

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081519\  
 Data File : VX011566.D  
 Acq On : 15 Aug 2019 18:51  
 Operator : JC/SP  
 Sample : VSTDICCC050  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICCC050

Manual Integrations  
 APPROVED

MMDadoda  
 8/16/2019 8:29:30 AM

Quant Time: Aug 16 04:04:04 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X081519W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Aug 16 03:49:44 2019  
 Response via : Initial Calibration

| Internal Standards            | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|-------|------|----------|---------|--------|----------|
| 1) Pentafluorobenzene         | 5.65  | 168  | 406326   | 50.00   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.85  | 114  | 556557   | 50.00   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.11 | 117  | 509098   | 50.00   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.07 | 152  | 283174   | 50.00   | ug/l   | 0.00     |
| System Monitoring Compounds   |       |      |          |         |        |          |
| 33) 1,2-Dichloroethane-d4     | 6.06  | 65   | 174076   | 41.58   | ug/l   | 0.00     |
| Spiked Amount 50.000          |       |      | Recovery | =       | 83.16% |          |
| 35) Dibromofluoromethane      | 5.49  | 113  | 168818   | 48.14   | ug/l   | 0.00     |
| Spiked Amount 50.000          |       |      | Recovery | =       | 96.28% |          |
| 50) Toluene-d8                | 8.71  | 98   | 540588   | 42.40   | ug/l   | 0.00     |
| Spiked Amount 50.000          |       |      | Recovery | =       | 84.80% |          |
| 62) 4-Bromofluorobenzene      | 11.13 | 95   | 222216   | 46.62   | ug/l   | 0.00     |
| Spiked Amount 50.000          |       |      | Recovery | =       | 93.24% |          |
| Target Compounds              |       |      |          |         |        |          |
|                               |       |      |          |         | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.19  | 85   | 220733   | 57.923  | ug/l   | 100      |
| 3) Chloromethane              | 1.32  | 50   | 197771   | 52.407  | ug/l   | 100      |
| 4) Vinyl Chloride             | 1.40  | 62   | 188607   | 49.861  | ug/l   | 100      |
| 5) Bromomethane               | 1.63  | 94   | 82549    | 39.802  | ug/l   | 100      |
| 6) Chloroethane               | 1.71  | 64   | 91463    | 39.696  | ug/l   | 100      |
| 7) Trichlorofluoromethane     | 1.92  | 101  | 258571   | 41.471  | ug/l   | 100      |
| 8) Diethyl Ether              | 2.18  | 74   | 88435    | 40.950  | ug/l   | 100      |
| 9) 1,1,2-Trichlorotrifluoroet | 2.37  | 101  | 175416   | 47.813  | ug/l   | 100      |
| 10) Methyl Iodide             | 2.50  | 142  | 264728   | 54.346  | ug/l   | 100      |
| 11) Tert butyl alcohol        | 3.04  | 59   | 232784   | 231.501 | ug/l   | 100      |
| 12) 1,1-Dichloroethene        | 2.36  | 96   | 169011   | 47.270  | ug/l   | 100      |
| 13) Acrolein                  | 2.29  | 56   | 65998    | 126.481 | ug/l   | 100      |
| 14) Allyl chloride            | 2.72  | 41   | 290838   | 54.279  | ug/l   | 100      |
| 15) Acrylonitrile             | 3.14  | 53   | 540865   | 261.883 | ug/l   | 100      |
| 16) Acetone                   | 2.43  | 43   | 467041   | 240.180 | ug/l   | 100      |
| 17) Carbon Disulfide          | 2.56  | 76   | 405374   | 44.686  | ug/l   | 100      |
| 18) Methyl Acetate            | 2.76  | 43   | 302642   | 63.353  | ug/l   | 100      |
| 19) Methyl tert-butyl Ether   | 3.19  | 73   | 573649   | 49.074  | ug/l   | 100      |
| 20) Methylene Chloride        | 2.85  | 84   | 189737   | 46.151  | ug/l   | 100      |
| 21) trans-1,2-Dichloroethene  | 3.16  | 96   | 182452   | 47.799  | ug/l   | 100      |
| 22) Diisopropyl ether         | 3.85  | 45   | 585010   | 52.001  | ug/l   | 100      |
| 23) Vinyl Acetate             | 3.81  | 43   | 2364328  | 252.240 | ug/l   | 100      |
| 24) 1,1-Dichloroethane        | 3.69  | 63   | 320683   | 49.511  | ug/l   | 100      |
| 25) 2-Butanone                | 4.67  | 43   | 760912   | 267.675 | ug/l   | 100      |
| 26) 2,2-Dichloropropane       | 4.58  | 77   | 244372   | 46.672  | ug/l   | 100      |
| 27) cis-1,2-Dichloroethene    | 4.59  | 96   | 212349   | 47.798  | ug/l   | 100      |
| 28) Bromochloromethane        | 5.01  | 49   | 143043   | 47.204  | ug/l   | 100      |
| 29) Tetrahydrofuran           | 5.12  | 42   | 501834   | 275.926 | ug/l   | 100      |
| 30) Chloroform                | 5.20  | 83   | 338028   | 48.410  | ug/l   | 100      |
| 31) Cyclohexane               | 5.57  | 56   | 284003   | 48.389  | ug/l   | 100      |
| 32) 1,1,1-Trichloroethane     | 5.49  | 97   | 300973   | 49.901  | ug/l   | 100      |
| 36) 1,1-Dichloropropene       | 5.79  | 75   | 241217   | 52.172  | ug/l   | 100      |
| 37) Ethyl Acetate             | 4.82  | 43   | 280835   | 58.302  | ug/l   | 100      |
| 38) Carbon Tetrachloride      | 5.78  | 117  | 267616   | 55.089  | ug/l   | 100      |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081519\  
 Data File : VX011566.D  
 Acq On : 15 Aug 2019 18:51  
 Operator : JC/SP  
 Sample : VSTDICCC050  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleID :  
 VSTDICCC050

Manual Integrations  
 APPROVED

MMDadoda  
 8/16/2019 8:29:30 AM

Quant Time: Aug 16 04:04:04 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X081519W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Aug 16 03:49:44 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc     | Units | Dev(Min) |
|--------------------------------|-------|------|----------|----------|-------|----------|
| 39) Methylcyclohexane          | 7.46  | 83   | 297555   | 50.044   | ug/l  | 100      |
| 40) Benzene                    | 6.14  | 78   | 742058   | 52.365   | ug/l  | 100      |
| 41) Methacrylonitrile          | 5.03  | 41   | 157431   | 56.899   | ug/l  | 100      |
| 42) 1,2-Dichloroethane         | 6.18  | 62   | 262163   | 52.786   | ug/l  | 100      |
| 43) Isopropyl Acetate          | 6.44  | 43   | 434519   | 55.190   | ug/l  | 100      |
| 44) Trichloroethene            | 7.21  | 130  | 219236   | 52.199   | ug/l  | 100      |
| 45) 1,2-Dichloropropane        | 7.51  | 63   | 190493   | 52.627   | ug/l  | 100      |
| 46) Dibromomethane             | 7.66  | 93   | 131204   | 51.191   | ug/l  | 100      |
| 47) Bromodichloromethane       | 7.90  | 83   | 253311   | 54.918   | ug/l  | 100      |
| 48) Methyl methacrylate        | 7.76  | 41   | 221998   | 57.281   | ug/l  | 100      |
| 49) 1,4-Dioxane                | 7.74  | 88   | 113503   | 1063.837 | ug/l  | 100      |
| 51) 4-Methyl-2-Pentanone       | 8.64  | 43   | 1461949  | 285.280  | ug/l  | 100      |
| 52) Toluene                    | 8.78  | 92   | 476077   | 51.353   | ug/l  | 100      |
| 53) t-1,3-Dichloropropene      | 9.04  | 75   | 274369   | 55.503   | ug/l  | 100      |
| 54) cis-1,3-Dichloropropene    | 8.43  | 75   | 300507   | 54.789   | ug/l  | 100      |
| 55) 1,1,2-Trichloroethane      | 9.21  | 97   | 199453   | 52.045   | ug/l  | 100      |
| 56) Ethyl methacrylate         | 9.18  | 69   | 310045   | 55.206   | ug/l  | 100      |
| 57) 1,3-Dichloropropane        | 9.37  | 76   | 320964   | 52.661   | ug/l  | 100      |
| 58) 2-Chloroethyl Vinyl ether  | 8.30  | 63   | 760088   | 281.568  | ug/l  | 100      |
| 59) 2-Hexanone                 | 9.49  | 43   | 1142255  | 288.300  | ug/l  | 100      |
| 60) Dibromochloromethane       | 9.58  | 129  | 228907   | 58.391   | ug/l  | 100      |
| 61) 1,2-Dibromoethane          | 9.67  | 107  | 218099   | 53.566   | ug/l  | 100      |
| 64) Tetrachloroethene          | 9.34  | 164  | 208551   | 51.361   | ug/l  | 100      |
| 65) Chlorobenzene              | 10.13 | 112  | 546488   | 51.508   | ug/l  | 100      |
| 66) 1,1,1,2-Tetrachloroethane  | 10.22 | 131  | 210356   | 56.112   | ug/l  | 100      |
| 67) Ethyl Benzene              | 10.25 | 91   | 919713   | 51.336   | ug/l  | 100      |
| 68) m/p-Xylenes                | 10.35 | 106  | 720631   | 104.488  | ug/l  | 100      |
| 69) o-Xylene                   | 10.69 | 106  | 345913   | 51.564   | ug/l  | 100      |
| 70) Styrene                    | 10.71 | 104  | 602436   | 53.730   | ug/l  | 100      |
| 71) Bromoform                  | 10.85 | 173  | 182134   | 60.217   | ug/l  | 100      |
| 73) Isopropylbenzene           | 11.02 | 105  | 930969   | 48.604   | ug/l  | 100      |
| 74) N-amyl acetate             | 10.90 | 43   | 394008   | 53.365   | ug/l  | 100      |
| 75) 1,1,2,2-Tetrachloroethane  | 11.27 | 83   | 315759   | 50.202   | ug/l  | 100      |
| 76) 1,2,3-Trichloropropane     | 11.29 | 75   | 273957m  | 52.913   | ug/l  |          |
| 77) Bromobenzene               | 11.25 | 156  | 274222   | 51.285   | ug/l  | 100      |
| 78) n-propylbenzene            | 11.36 | 91   | 1027984  | 48.771   | ug/l  | 100      |
| 79) 2-Chlorotoluene            | 11.42 | 91   | 624444   | 49.084   | ug/l  | 100      |
| 80) 1,3,5-Trimethylbenzene     | 11.51 | 105  | 796486   | 49.810   | ug/l  | 100      |
| 81) trans-1,4-Dichloro-2-buten | 11.07 | 75   | 94940    | 51.025   | ug/l  | 100      |
| 82) 4-Chlorotoluene            | 11.51 | 91   | 719228   | 48.679   | ug/l  | 100      |
| 83) tert-Butylbenzene          | 11.77 | 119  | 809237   | 51.179   | ug/l  | 100      |
| 84) 1,2,4-Trimethylbenzene     | 11.80 | 105  | 808455   | 50.080   | ug/l  | 100      |
| 85) sec-Butylbenzene           | 11.94 | 105  | 914175   | 49.740   | ug/l  | 100      |
| 86) p-Isopropyltoluene         | 12.06 | 119  | 877607   | 51.367   | ug/l  | 100      |
| 87) 1,3-Dichlorobenzene        | 12.02 | 146  | 473786   | 51.233   | ug/l  | 100      |
| 88) 1,4-Dichlorobenzene        | 12.10 | 146  | 474726   | 50.165   | ug/l  | 100      |
| 89) n-Butylbenzene             | 12.38 | 91   | 721353   | 49.827   | ug/l  | 100      |
| 90) Hexachloroethane           | 12.59 | 117  | 136576   | 50.877   | ug/l  | 100      |
| 91) 1,2-Dichlorobenzene        | 12.39 | 146  | 473953   | 51.673   | ug/l  | 100      |
| 92) 1,2-Dibromo-3-Chloropropan | 13.00 | 75   | 72126    | 54.294   | ug/l  | 100      |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081519\  
Data File : VX011566.D  
Acq On : 15 Aug 2019 18:51  
Operator : JC/SP  
Sample : VSTDICCC050  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC050

Manual Integrations  
APPROVED

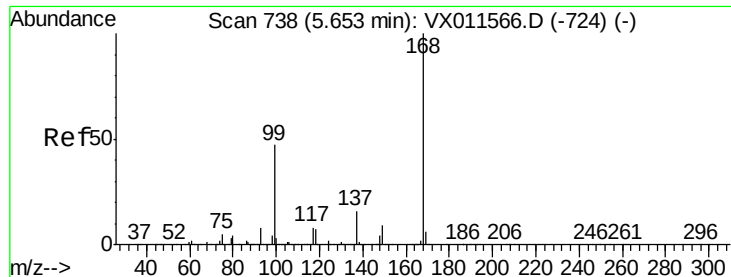
MMDadoda  
8/16/2019 8:29:30 AM

Quant Time: Aug 16 04:04:04 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X081519W.M  
Quant Title : SW846 8260  
QLast Update : Fri Aug 16 03:49:44 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 13.65 | 180  | 362729   | 57.298 | ug/l  | 100      |
| 94) Hexachlorobutadiene    | 13.78 | 225  | 194798   | 60.863 | ug/l  | 100      |
| 95) Naphthalene            | 13.83 | 128  | 1062085  | 57.128 | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 14.02 | 180  | 366659   | 57.983 | ug/l  | 100      |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 738

Delta R.T. 0.00 min

Lab File: VX011566.D

Acq: 15 Aug 2019 18:51

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICCC050

Tot Ion:168 Resp: 406326

Ion Ratio Lower Upper

168 100

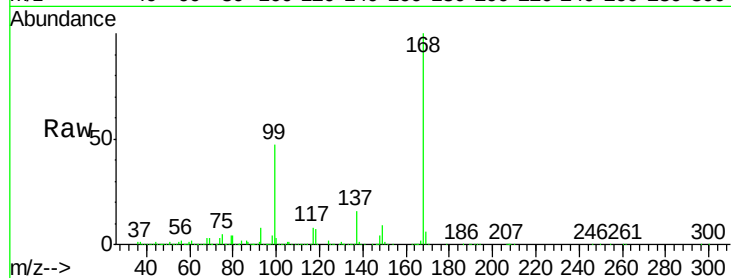
99 46.6 37.3 55.9

Manual Integrations

APPROVED

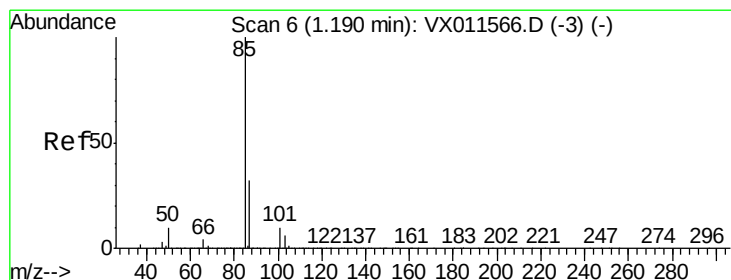
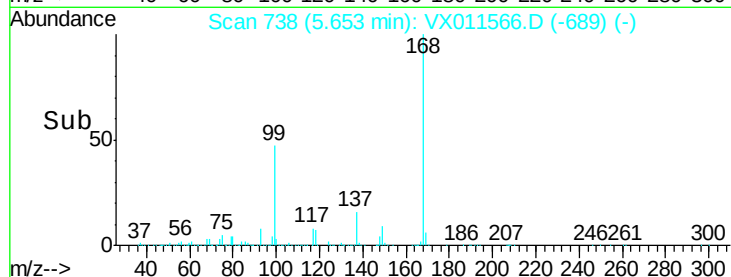
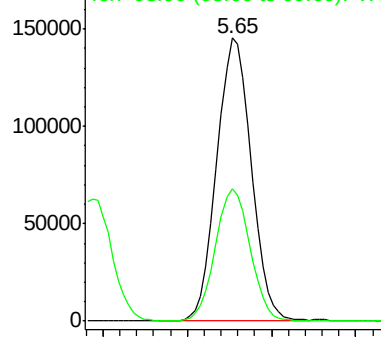
MMDadoda

8/16/2019 8:29:30 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 57.923 ug/l

RT: 1.19 min Scan# 6

Delta R.T. 0.00 min

Lab File: VX011566.D

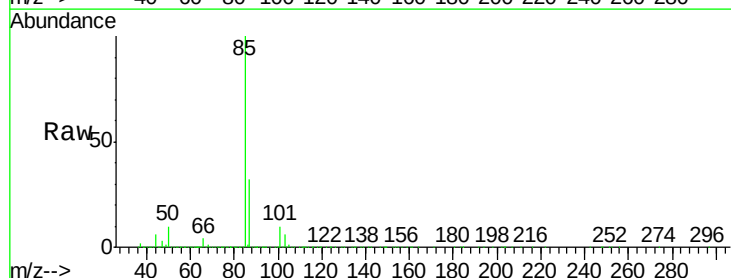
Acq: 15 Aug 2019 18:51

Tgt Ion: 85 Resp: 220733

Ion Ratio Lower Upper

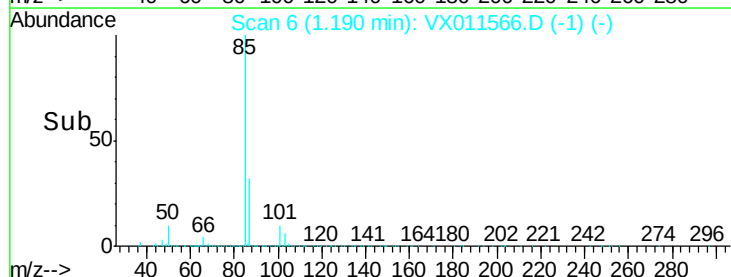
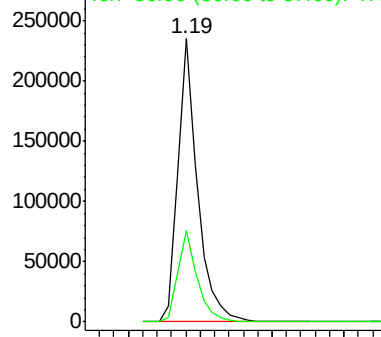
85 100

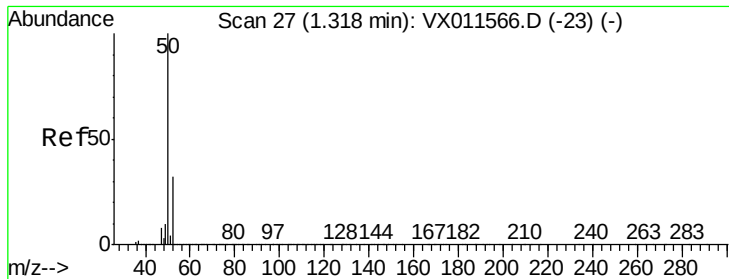
87 32.1 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 52.407 ug/l

RT: 1.32 min Scan# 27

Delta R.T. 0.00 min

Lab File: VX011566.D

Acq: 15 Aug 2019 18:51

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICCC050

Tot Ion: 50 Resp: 197771

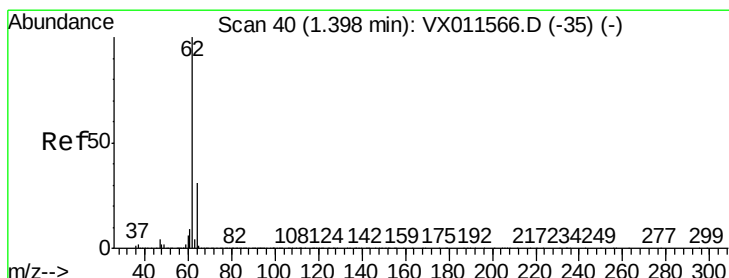
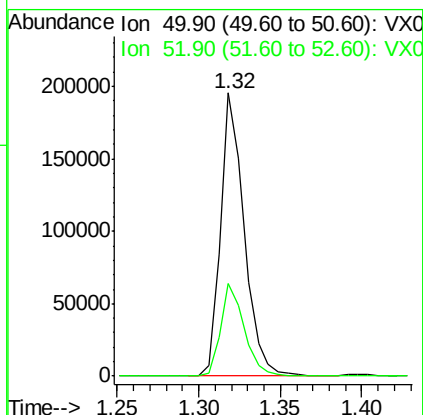
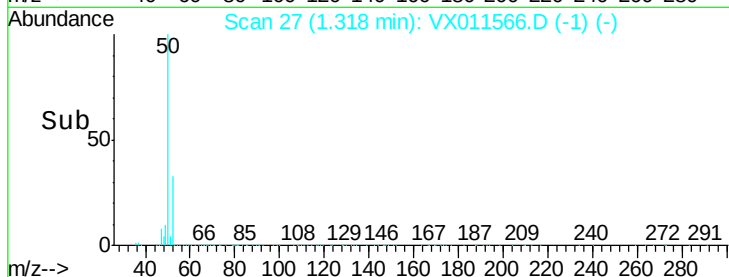
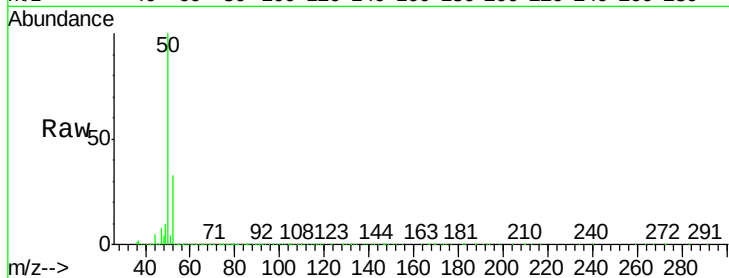
Ion Ratio Lower Upper

50 100

52 32.5 26.0 39.0

Manual Integrations  
APPROVED

MMDadoda  
8/16/2019 8:29:30 AM



#4

Vinyl Chloride

Concen: 49.861 ug/l

RT: 1.40 min Scan# 40

Delta R.T. 0.00 min

Lab File: VX011566.D

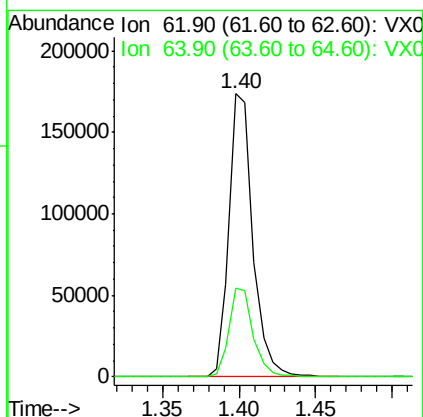
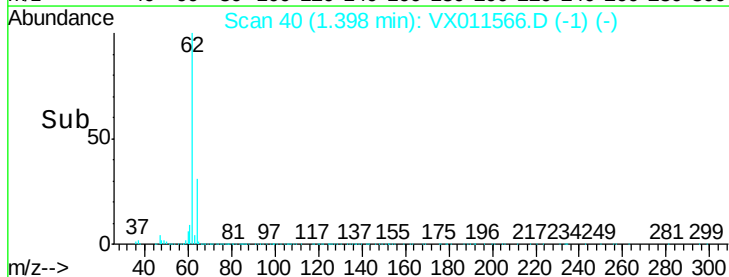
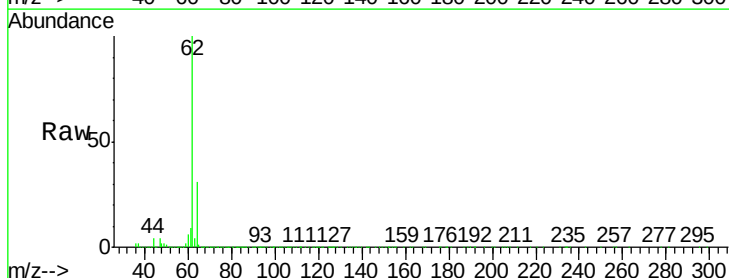
Acq: 15 Aug 2019 18:51

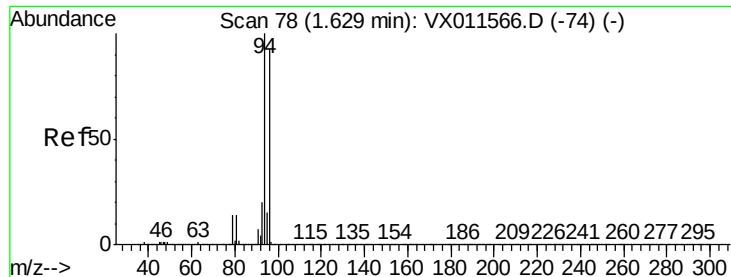
Tgt Ion: 62 Resp: 188607

Ion Ratio Lower Upper

62 100

64 31.2 25.0 37.4





#5

Bromomethane

Concen: 39.802 ug/l

RT: 1.63 min Scan# 78

Delta R.T. 0.00 min

Lab File: VX011566.D

Acq: 15 Aug 2019 18:51

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICCC050

Tot Ion: 94 Resp: 82549

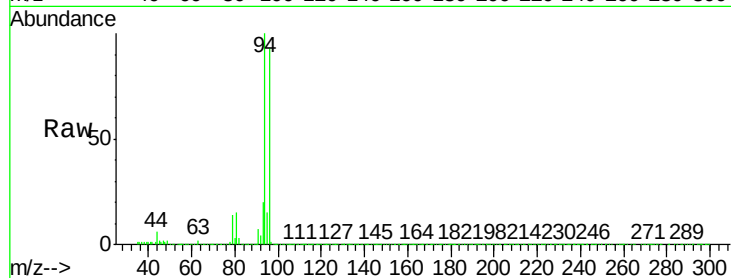
Ion Ratio Lower Upper

94 100

96 93.5 74.8 112.2

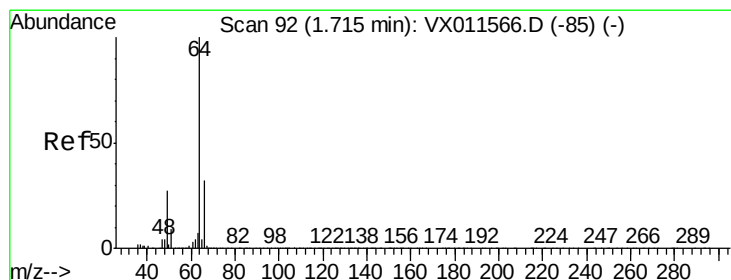
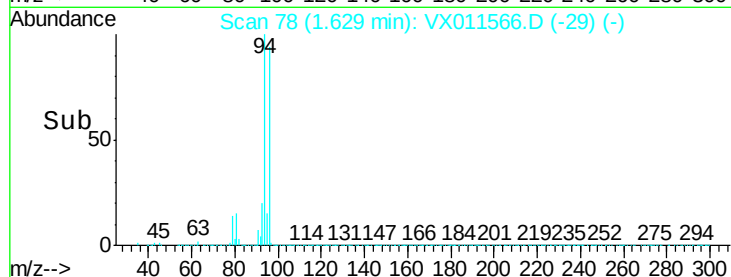
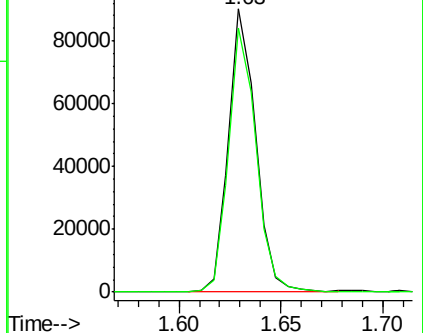
Manual Integrations  
APPROVED

MMDadoda  
8/16/2019 8:29:30 AM



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 39.696 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX011566.D

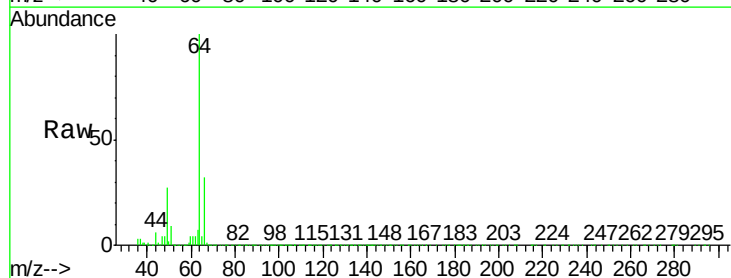
Acq: 15 Aug 2019 18:51

Tgt Ion: 64 Resp: 91463

Ion Ratio Lower Upper

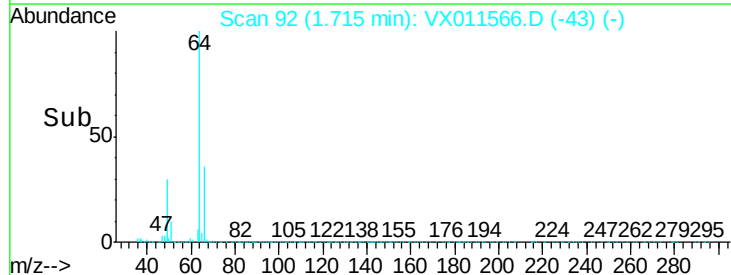
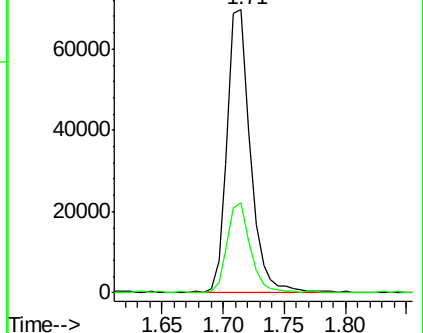
64 100

66 31.6 25.3 37.9

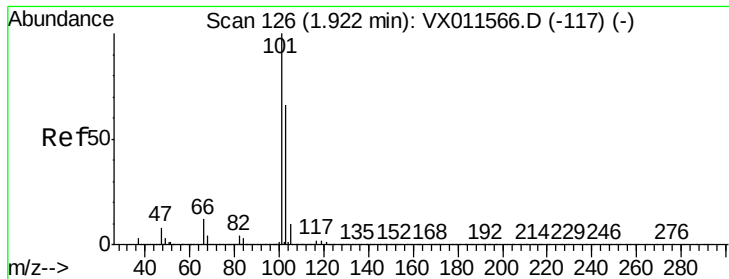


Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0







#7

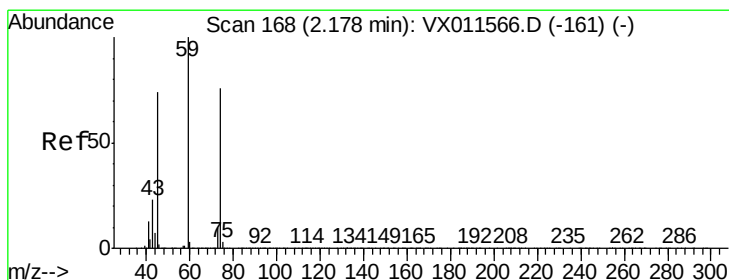
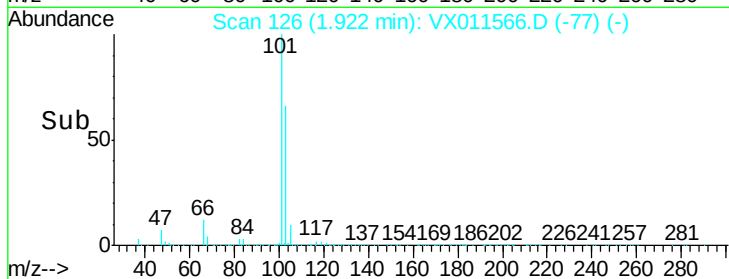
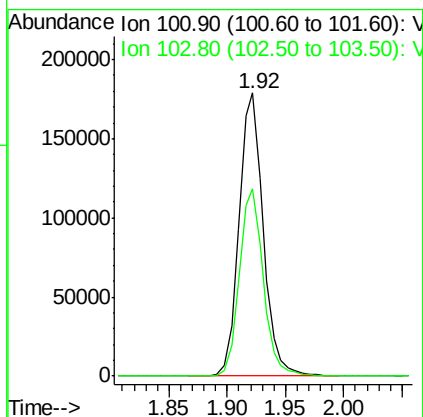
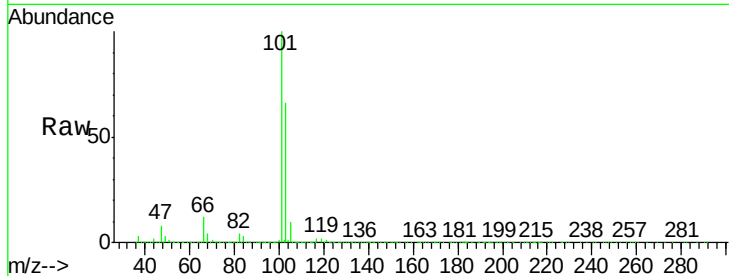
Trichlorofluoromethane  
Concen: 41.471 ug/l  
RT: 1.92 min Scan# 126  
Delta R.T. 0.00 min  
Lab File: VX011566.D  
Acq: 15 Aug 2019 18:51

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 101     | 100   | 258571 |       |       |
| 103     | 66.1  | 52.9   | 79.3  |       |

Manual Integrations  
APPROVED

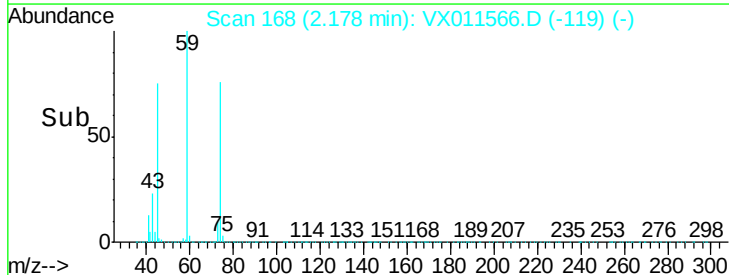
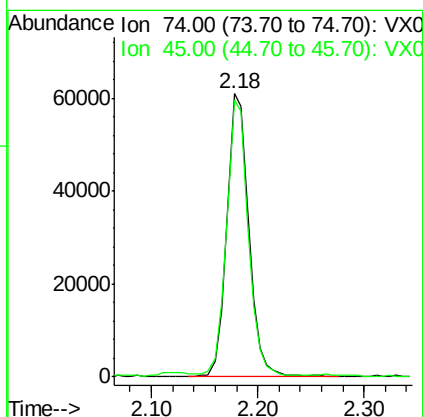
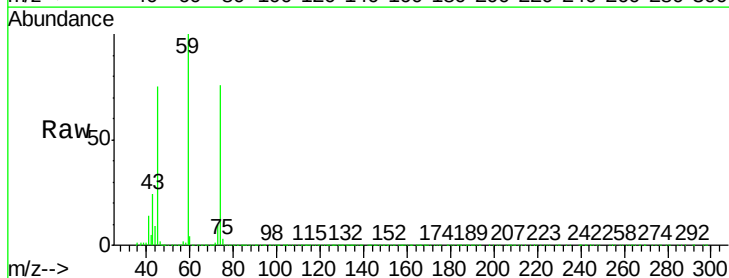
MMDadoda  
8/16/2019 8:29:30 AM



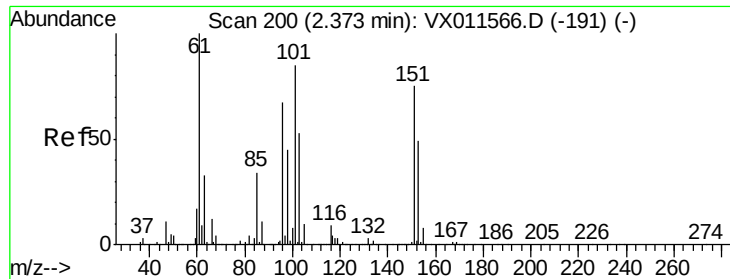
#8

Diethyl Ether  
Concen: 40.950 ug/l  
RT: 2.18 min Scan# 168  
Delta R.T. 0.00 min  
Lab File: VX011566.D  
Acq: 15 Aug 2019 18:51

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 74      | 100   | 88435 |       |       |
| 45      | 96.4  | 48.2  | 144.6 |       |







#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.813 ug/l

RT: 2.37 min Scan# 200

Delta R.T. 0.00 min

Lab File: VX011566.D

Acq: 15 Aug 2019 18:51

Instrument :

MSVOA\_X

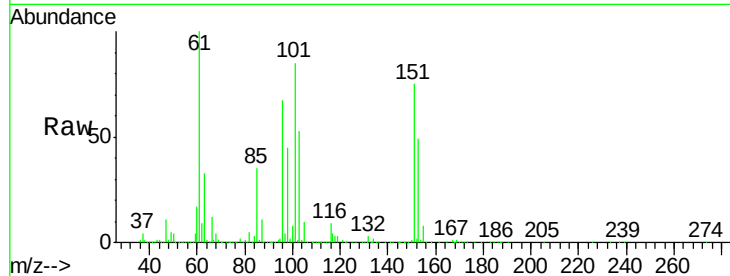
ClientSampleId :

VSTDICCC050

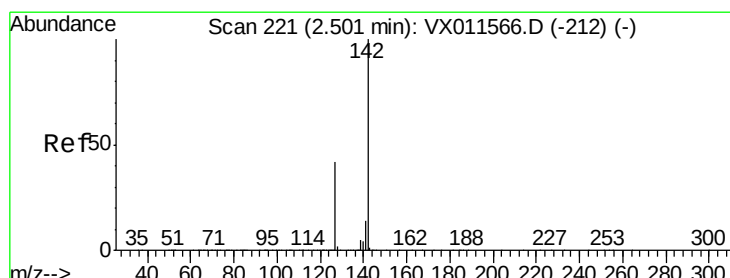
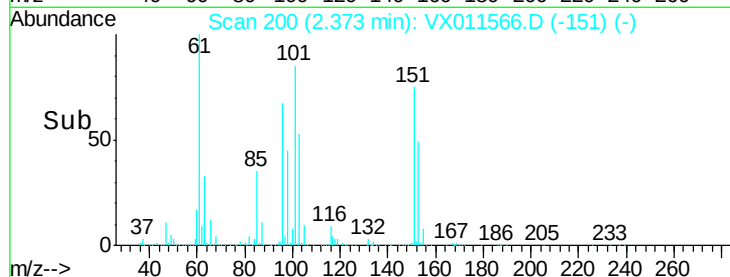
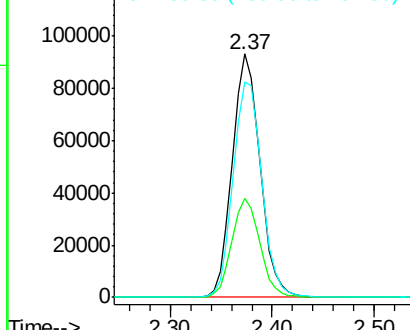
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 101   | Resp: | 175416 |
| Ion Ratio | Lower | Upper |        |
| 101       | 100   |       |        |
| 85        | 41.2  | 33.0  | 49.4   |
| 151       | 91.6  | 73.3  | 109.9  |

Manual Integrations  
APPROVED

MMDadoda  
8/16/2019 8:29:30 AM



Abundance Ion 100.90 (100.60 to 101.60): V  
Ion 84.90 (84.60 to 85.60): VX0  
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 54.346 ug/l

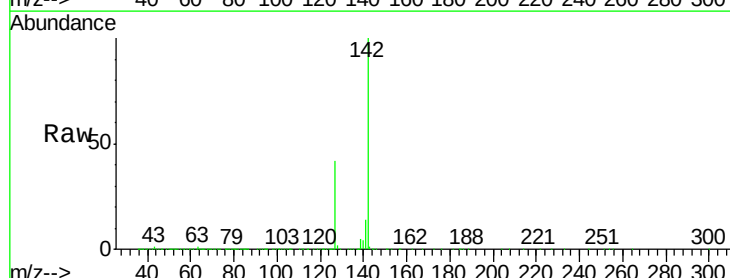
RT: 2.50 min Scan# 221

Delta R.T. 0.00 min

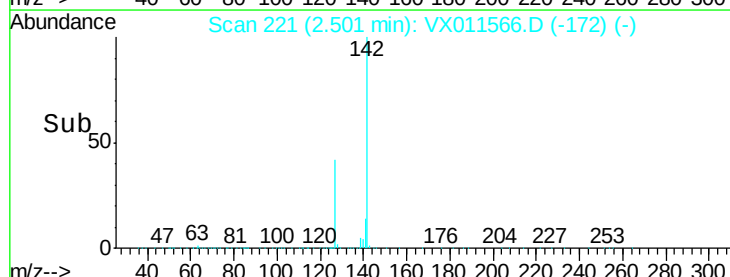
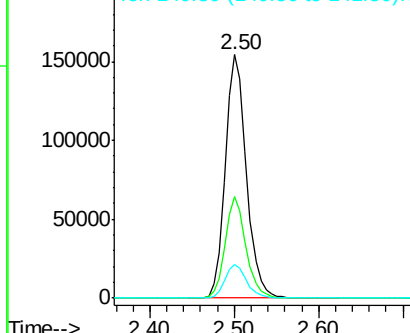
Lab File: VX011566.D

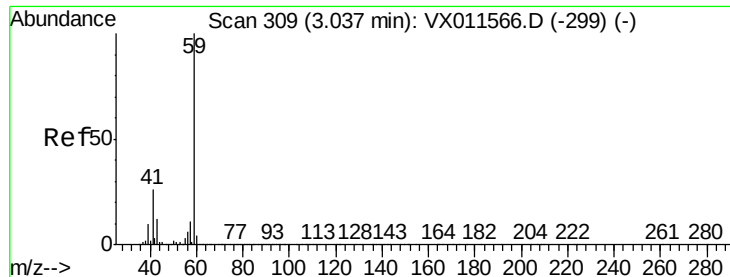
Acq: 15 Aug 2019 18:51

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 142   | Resp: | 264728 |
| Ion Ratio | Lower | Upper |        |
| 142       | 100   |       |        |
| 127       | 41.0  | 32.8  | 49.2   |
| 141       | 14.3  | 11.4  | 17.2   |



Abundance Ion 141.80 (141.50 to 142.50): V  
Ion 126.80 (126.50 to 127.50): V  
Ion 140.80 (140.50 to 141.50): V





#11

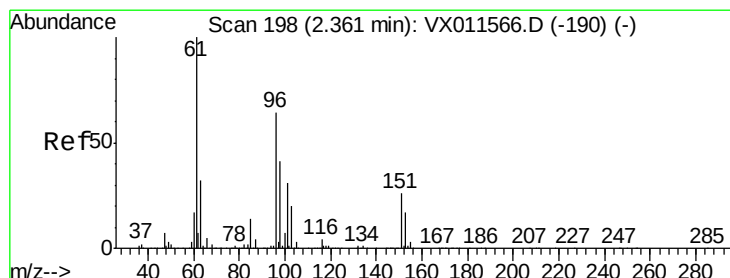
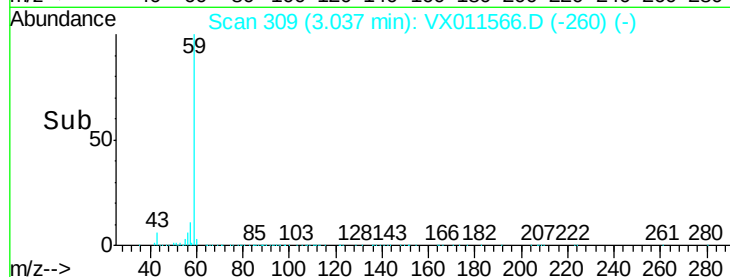
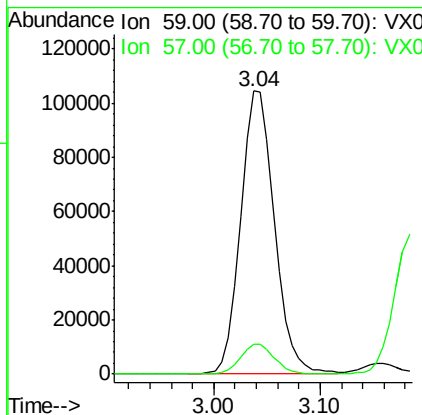
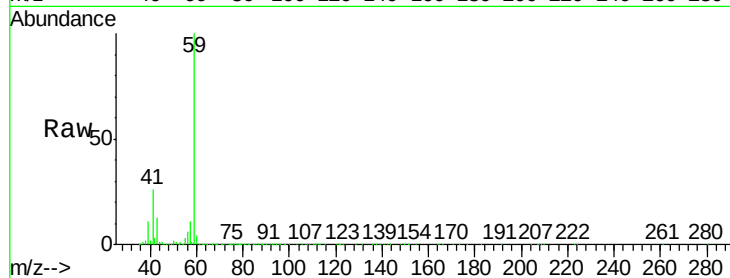
Tert butyl alcohol  
Concen: 231.501 ug/l  
RT: 3.04 min Scan# 309  
Delta R.T. 0.00 min  
Lab File: VX011566.D  
Acq: 15 Aug 2019 18:51

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 59      | 100   |       |       |
| 57      | 10.9  | 8.7   | 13.1  |

Manual Integrations  
APPROVED

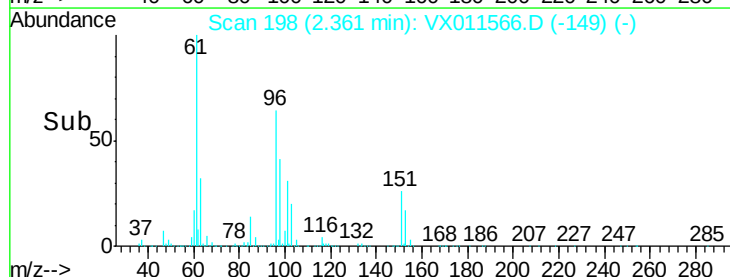
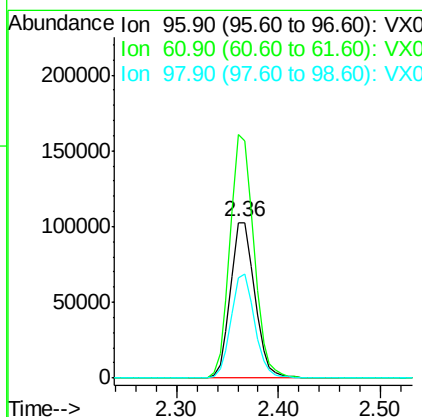
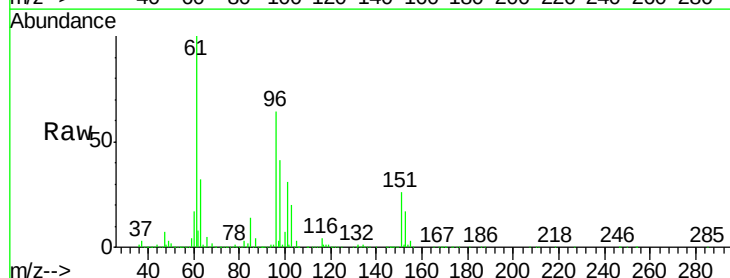
MMDadoda  
8/16/2019 8:29:30 AM

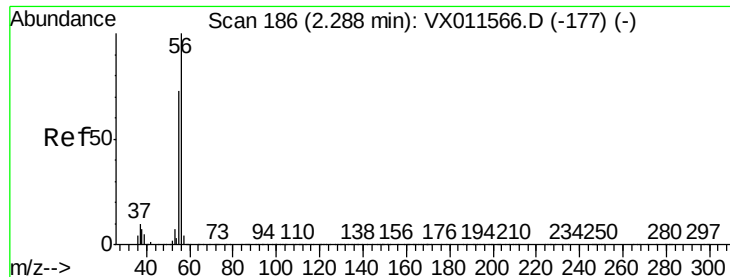


#12

1,1-Dichloroethene  
Concen: 47.270 ug/l  
RT: 2.36 min Scan# 198  
Delta R.T. 0.00 min  
Lab File: VX011566.D  
Acq: 15 Aug 2019 18:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 156.2 | 125.0 | 187.4 |
| 98      | 64.4  | 51.5  | 77.3  |





#13

Acrolein

Concen: 126.481 ug/l

RT: 2.29 min Scan# 186

Delta R.T. 0.00 min

Lab File: VX011566.D

Acq: 15 Aug 2019 18:51

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICCC050

Tot Ion: 56 Resp: 65998

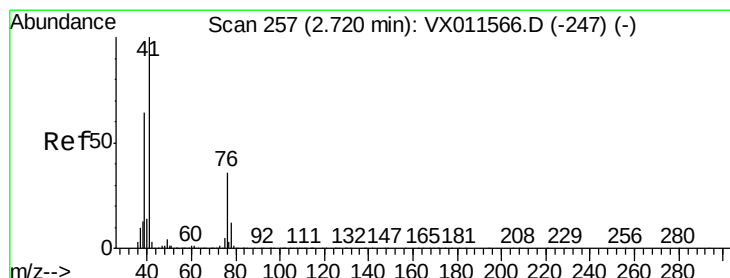
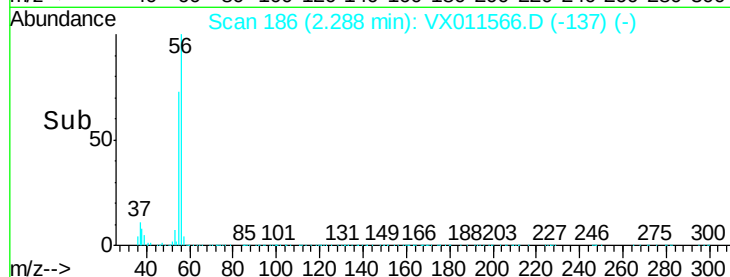
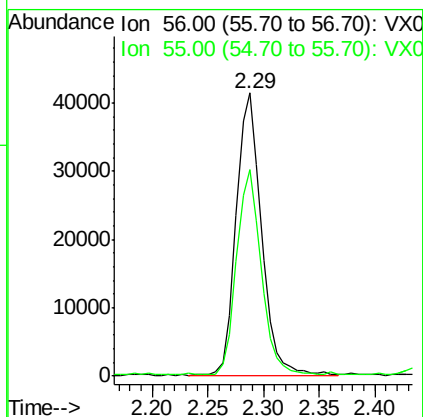
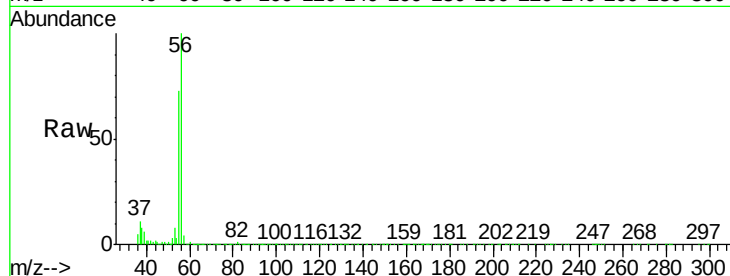
Ion Ratio Lower Upper

56 100

55 69.4 55.5 83.3

Manual Integrations  
APPROVED

MMDadoda  
8/16/2019 8:29:30 AM



#14

Allyl chloride

Concen: 54.279 ug/l

RT: 2.72 min Scan# 257

Delta R.T. 0.00 min

Lab File: VX011566.D

Acq: 15 Aug 2019 18:51

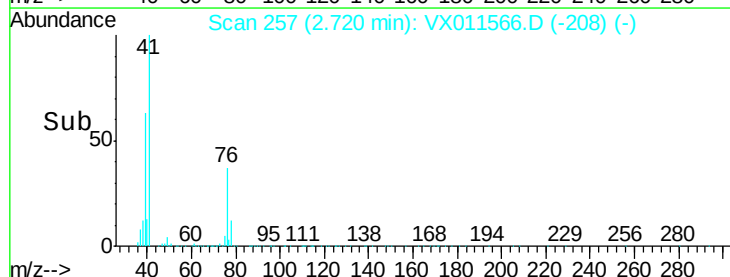
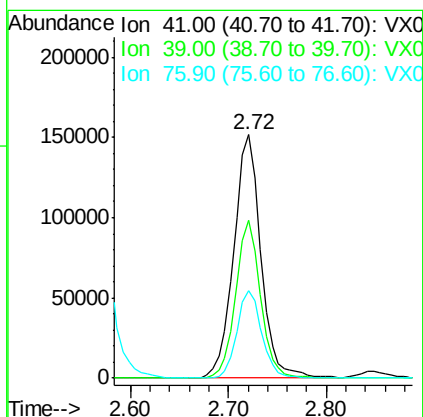
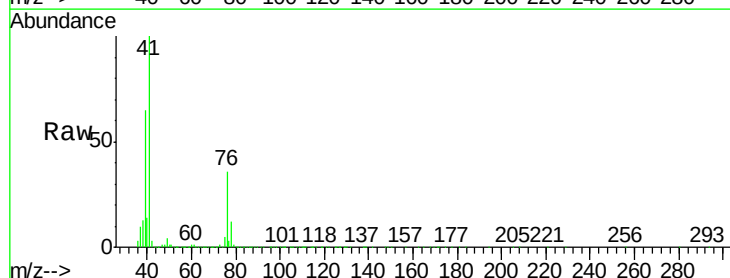
Tgt Ion: 41 Resp: 290838

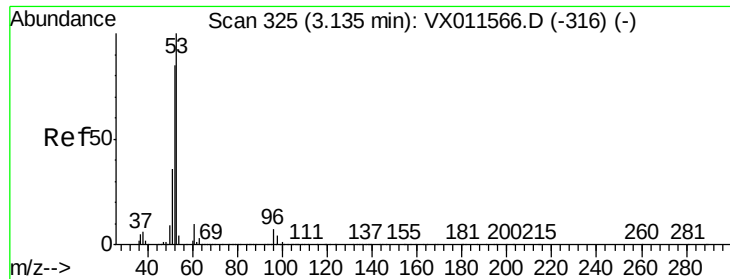
Ion Ratio Lower Upper

41 100

39 59.4 47.5 71.3

76 32.9 26.3 39.5





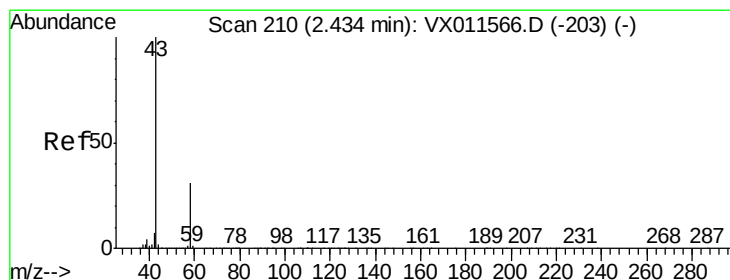
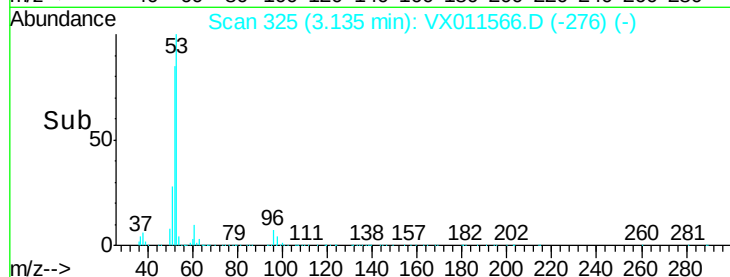
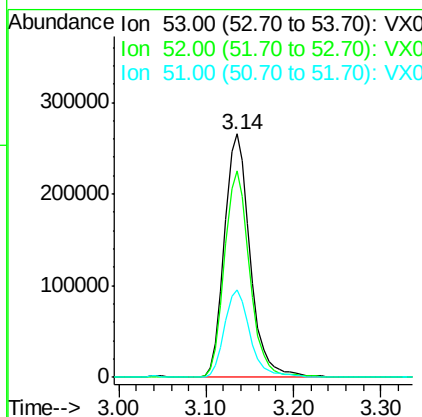
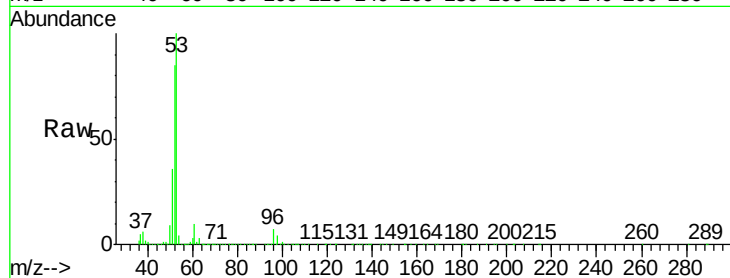
#15  
 Acrylonitrile  
 Concen: 261.883 ug/l  
 RT: 3.14 min Scan# 325  
 Delta R.T. 0.00 min  
 Lab File: VX011566.D  
 Acq: 15 Aug 2019 18:51

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICCC050

| Tot Ion   | 53   | Resp  | 540865 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 53        | 100  |       |        |
| 52        | 83.4 | 66.7  | 100.1  |
| 51        | 35.9 | 28.7  | 43.1   |

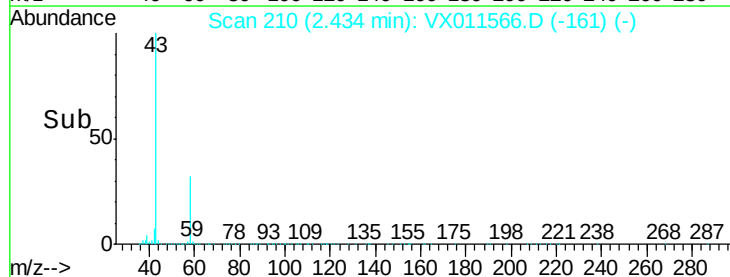
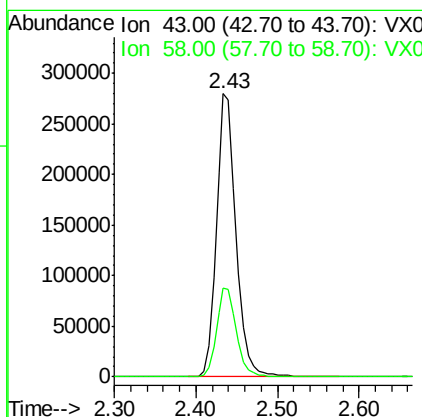
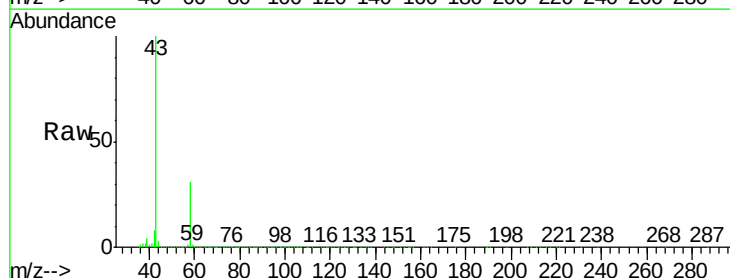
Manual Integrations  
 APPROVED

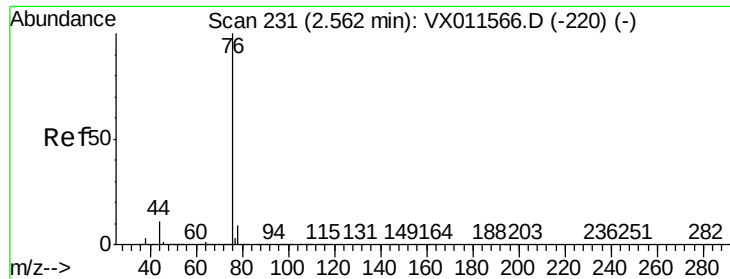
MMDadoda  
 8/16/2019 8:29:30 AM



#16  
 Acetone  
 Concen: 240.180 ug/l  
 RT: 2.43 min Scan# 210  
 Delta R.T. 0.00 min  
 Lab File: VX011566.D  
 Acq: 15 Aug 2019 18:51

| Tgt Ion   | 43   | Resp  | 467041 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 43        | 100  |       |        |
| 58        | 31.5 | 25.2  | 37.8   |





#17

Carbon Disulfide

Concen: 44.686 ug/l

RT: 2.56 min Scan# 231

Delta R.T. 0.00 min

Lab File: VX011566.D

Acq: 15 Aug 2019 18:51

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICCC050

Tot Ion: 76 Resp: 405374

Ion Ratio Lower Upper

76 100

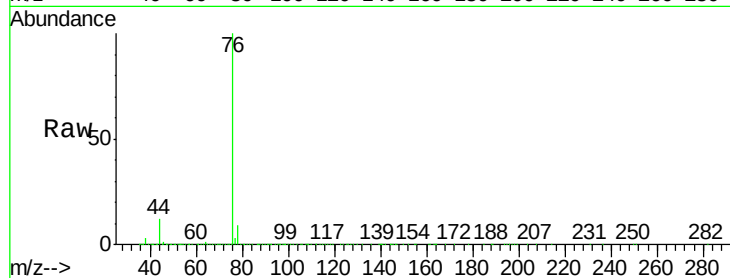
78 9.0 7.2 10.8

Manual Integrations

APPROVED

MMDadoda

8/16/2019 8:29:30 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

250000

200000

150000

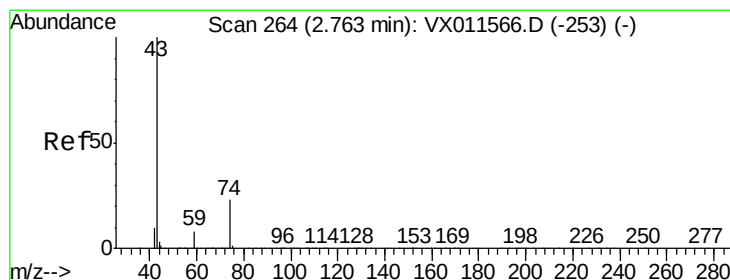
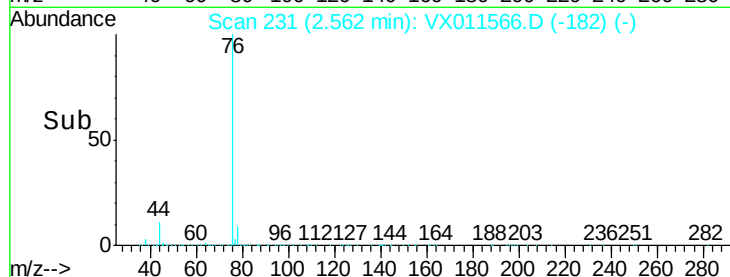
100000

50000

0

2.50 2.55 2.60 2.65 2.70

Time-->



#18

Methyl Acetate

Concen: 63.353 ug/l

RT: 2.76 min Scan# 264

Delta R.T. 0.00 min

Lab File: VX011566.D

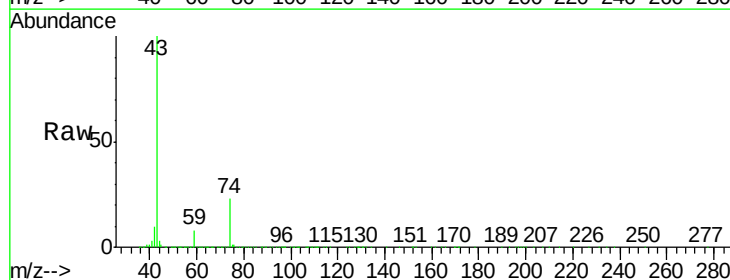
Acq: 15 Aug 2019 18:51

Tgt Ion: 43 Resp: 302642

Ion Ratio Lower Upper

43 100

74 24.6 19.7 29.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

200000

150000

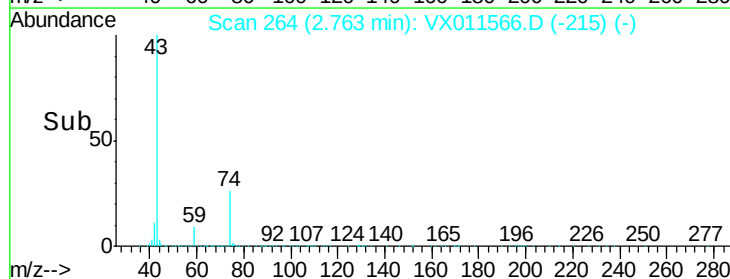
100000

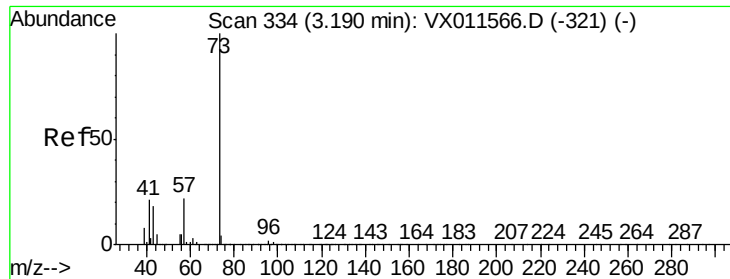
50000

0

2.70 2.75 2.80 2.85 2.90

Time-->





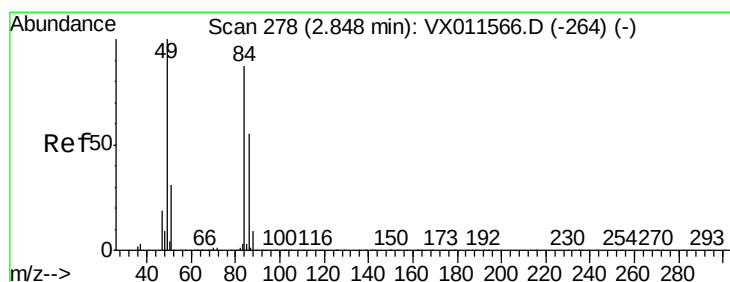
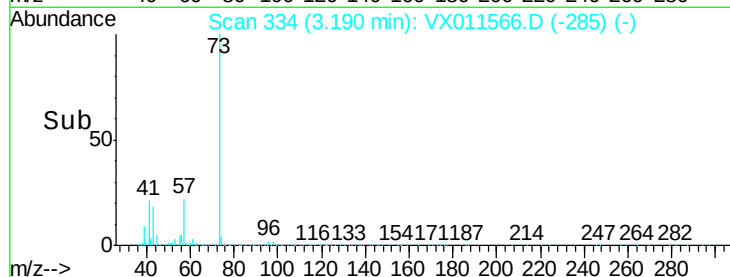
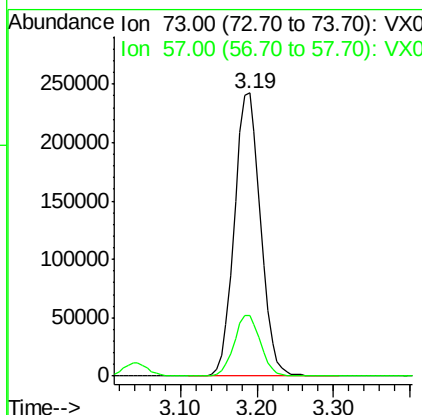
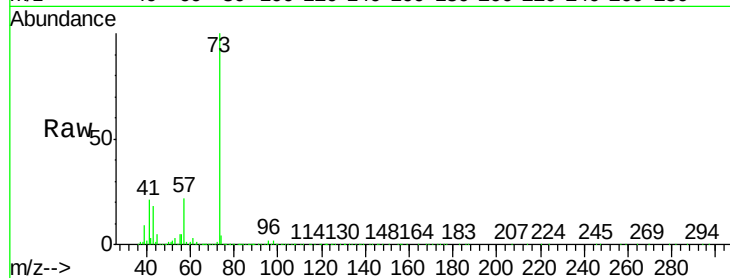
#19  
Methyl tert-butyl Ether  
Concen: 49.074 ug/l  
RT: 3.19 min Scan# 334  
Delta R.T. 0.00 min  
Lab File: VX011566.D  
Acq: 15 Aug 2019 18:51

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC050

| Tot Ion | Ion | Ratio | Lower | Upper |
|---------|-----|-------|-------|-------|
| 73      | 73  | 100   |       |       |
| 57      | 57  | 21.5  | 17.2  | 25.8  |

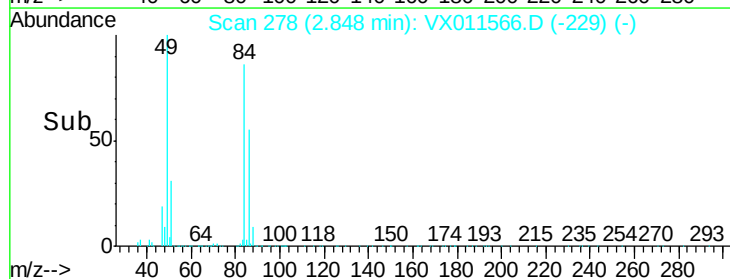
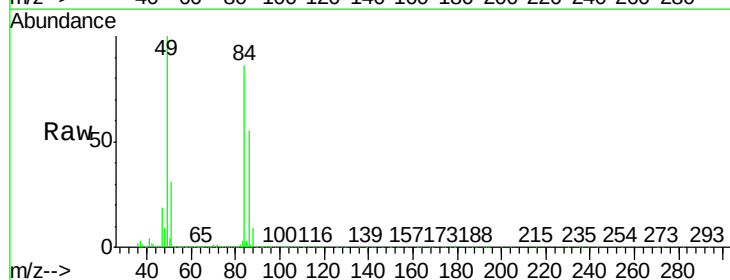
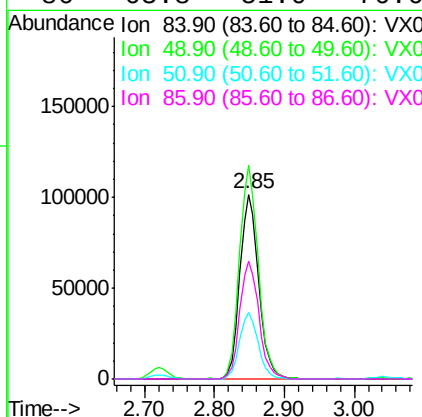
Manual Integrations  
APPROVED

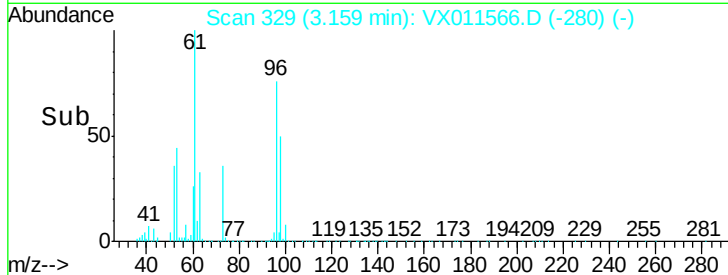
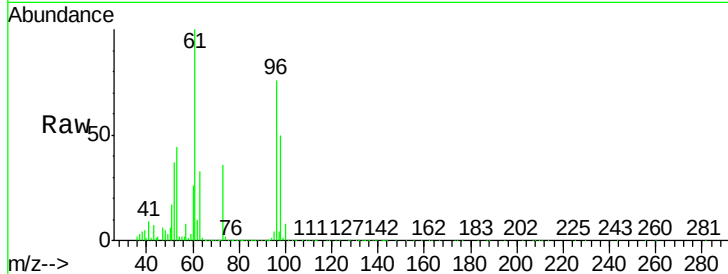
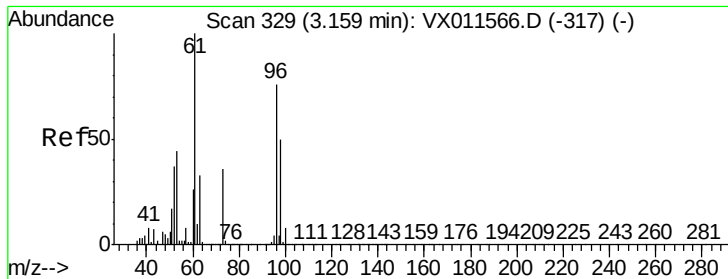
MMDadoda  
8/16/2019 8:29:30 AM



#20  
Methylene Chloride  
Concen: 46.151 ug/l  
RT: 2.85 min Scan# 278  
Delta R.T. 0.00 min  
Lab File: VX011566.D  
Acq: 15 Aug 2019 18:51

| Tgt Ion | Ion | Ratio | Lower | Upper |
|---------|-----|-------|-------|-------|
| 84      | 84  | 100   |       |       |
| 49      | 49  | 115.5 | 92.4  | 138.6 |
| 51      | 51  | 35.6  | 28.5  | 42.7  |
| 86      | 86  | 63.8  | 51.0  | 76.6  |





#21

trans-1,2-Dichloroethene

Concen: 47.799 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.00 min

Lab File: VX011566.D

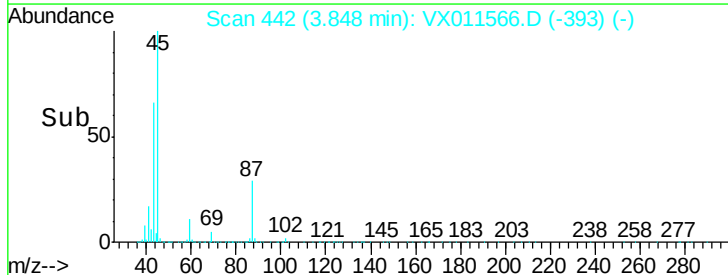
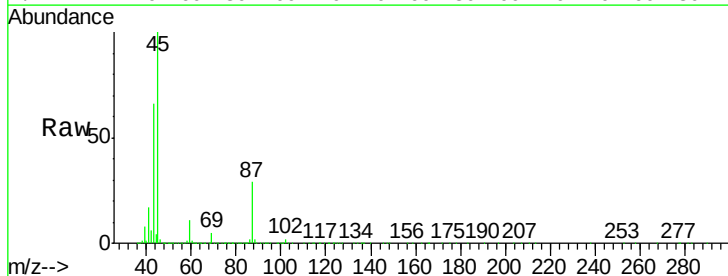
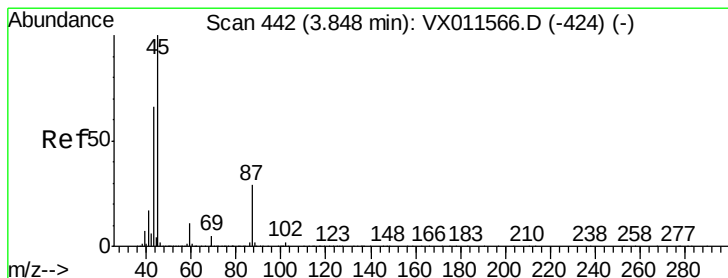
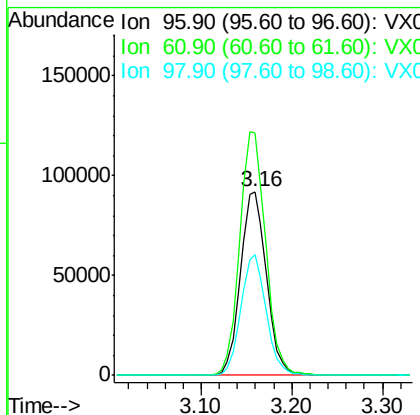
Acq: 15 Aug 2019 18:51

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 96    | Resp: | 182452 |
| Ion Ratio | Lower | Upper |        |
| 96        | 100   |       |        |
| 61        | 131.9 | 105.5 | 158.3  |
| 98        | 65.7  | 52.6  | 78.8   |

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC050

Manual Integrations  
APPROVED

MMDadoda  
8/16/2019 8:29:30 AM



#22

Diisopropyl ether

Concen: 52.001 ug/l

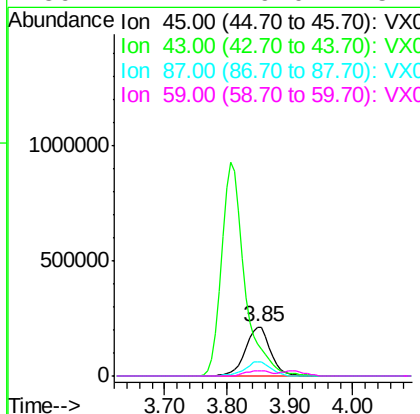
RT: 3.85 min Scan# 442

Delta R.T. 0.00 min

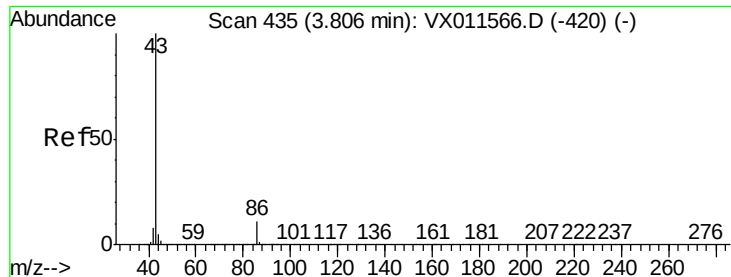
Lab File: VX011566.D

Acq: 15 Aug 2019 18:51

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 45    | Resp: | 585010 |
| Ion Ratio | Lower | Upper |        |
| 45        | 100   |       |        |
| 43        | 65.9  | 52.7  | 79.1   |
| 87        | 29.4  | 23.5  | 35.3   |
| 59        | 11.2  | 9.0   | 13.4   |







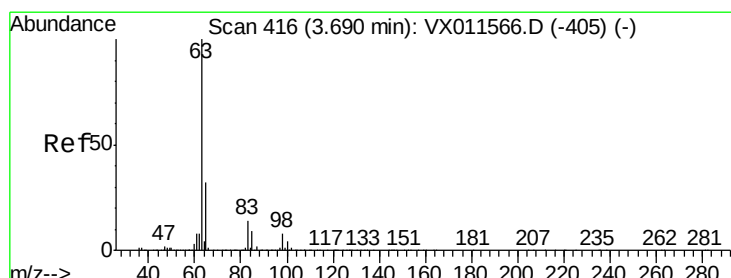
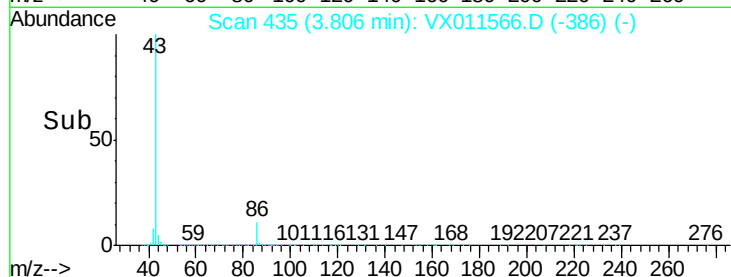
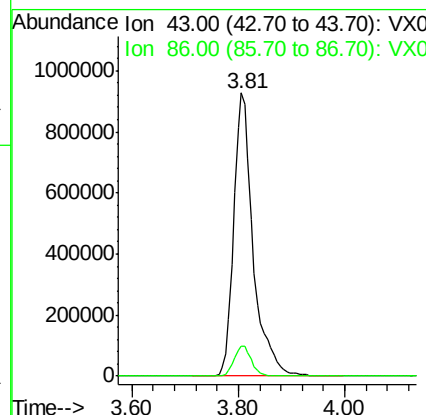
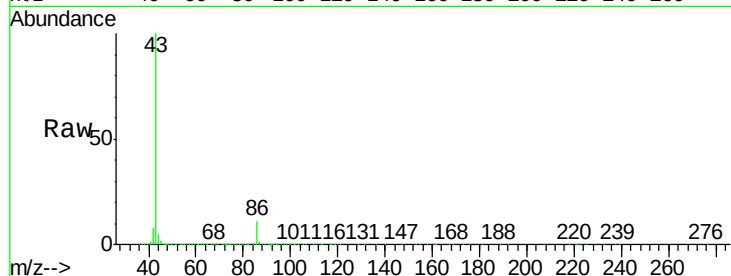
#23  
 Vinyl Acetate  
 Concen: 252.240 ug/l  
 RT: 3.81 min Scan# 435  
 Delta R.T. 0.00 min  
 Lab File: VX011566.D  
 Acq: 15 Aug 2019 18:51

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICCC050

Tot Ion: 43 Resp: 2364328  
 Ion Ratio Lower Upper  
 43 100  
 86 10.8 8.6 13.0

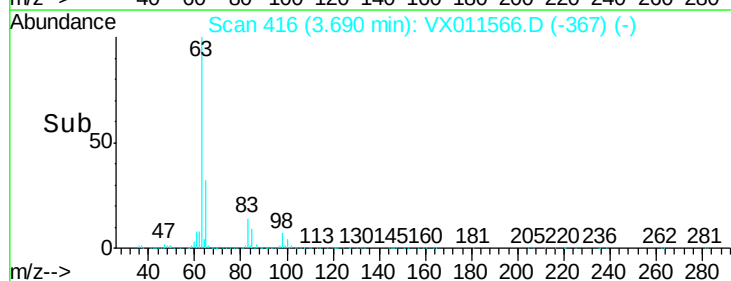
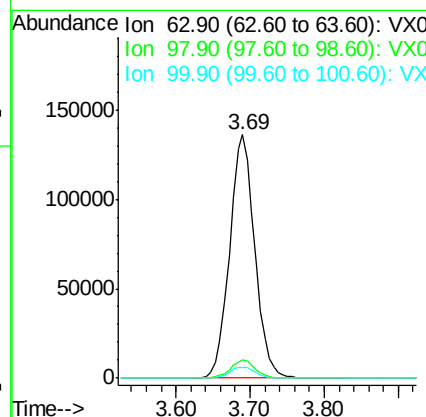
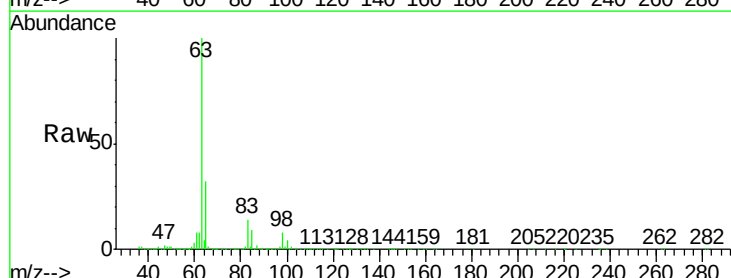
Manual Integrations  
 APPROVED

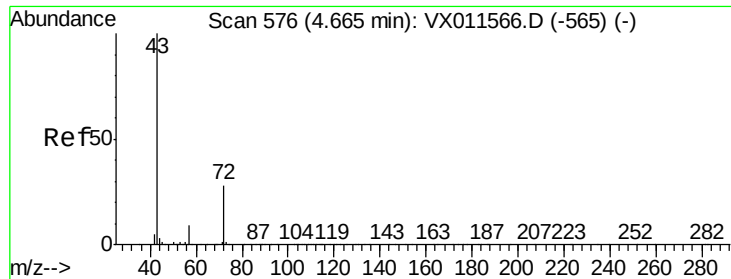
MMDadoda  
 8/16/2019 8:29:30 AM



#24  
 1,1-Dichloroethane  
 Concen: 49.511 ug/l  
 RT: 3.69 min Scan# 416  
 Delta R.T. 0.00 min  
 Lab File: VX011566.D  
 Acq: 15 Aug 2019 18:51

Tgt Ion: 63 Resp: 320683  
 Ion Ratio Lower Upper  
 63 100  
 98 7.4 3.7 11.1  
 100 4.2 2.1 6.3





#25

2-Butanone

Concen: 267.675 ug/l

RT: 4.67 min Scan# 576

Delta R.T. 0.00 min

Lab File: VX011566.D

Acq: 15 Aug 2019 18:51

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 760912

Ion Ratio Lower Upper

43 100

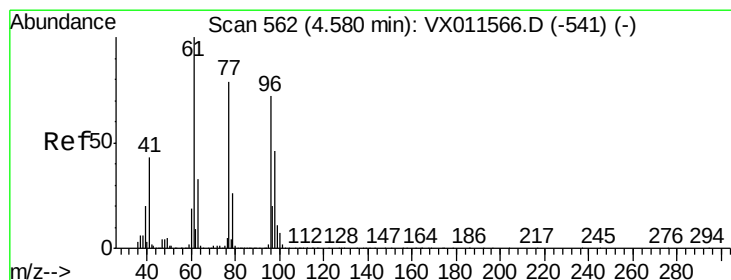
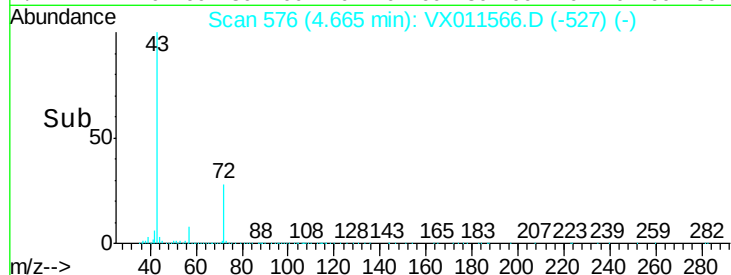
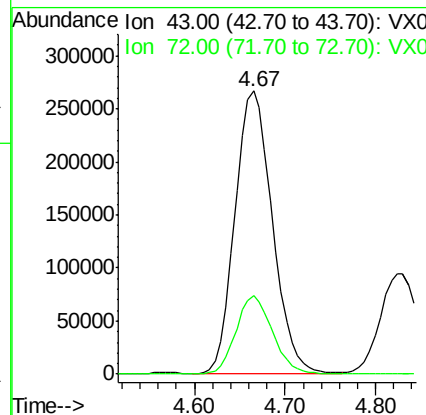
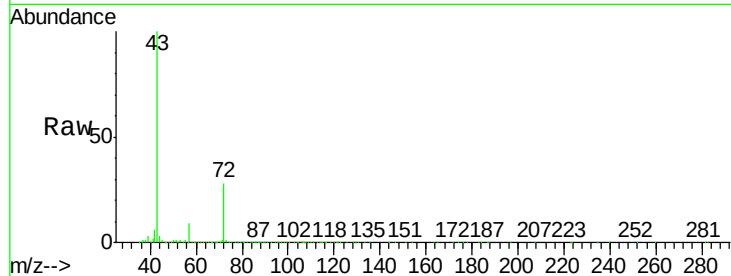
72 27.8 22.2 33.4

Manual Integrations

APPROVED

MMDadoda

8/16/2019 8:29:30 AM



#26

2,2-Dichloropropane

Concen: 46.672 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VX011566.D

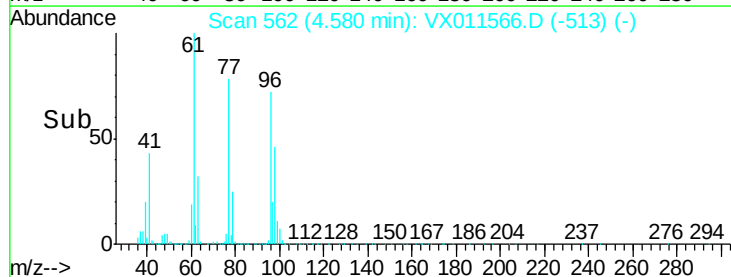
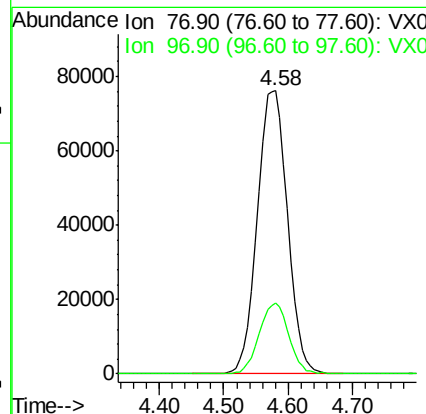
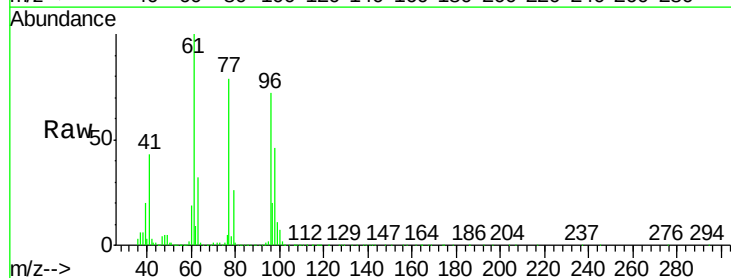
Acq: 15 Aug 2019 18:51

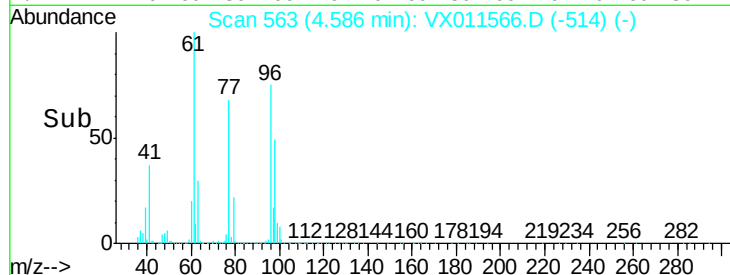
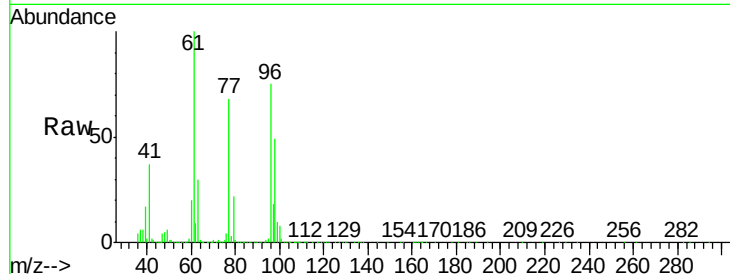
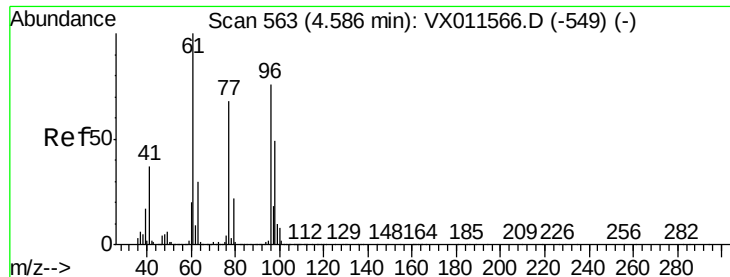
Tgt Ion: 77 Resp: 244372

Ion Ratio Lower Upper

77 100

97 24.8 12.4 37.2





#27

cis-1,2-Dichloroethene

Concen: 47.798 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.00 min

Lab File: VX011566.D

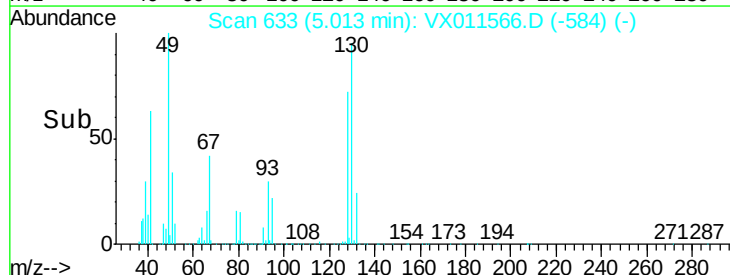
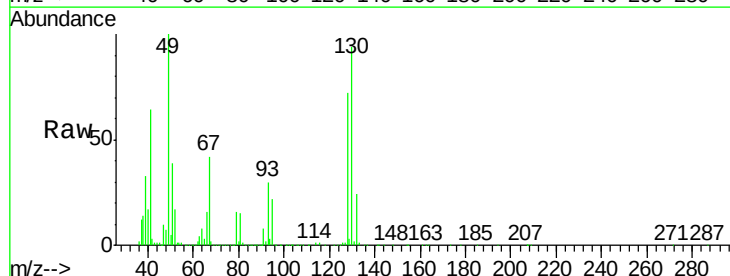
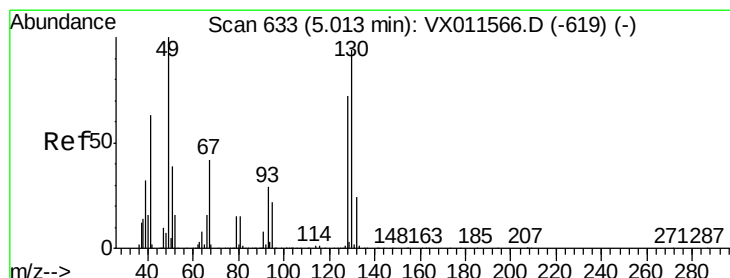
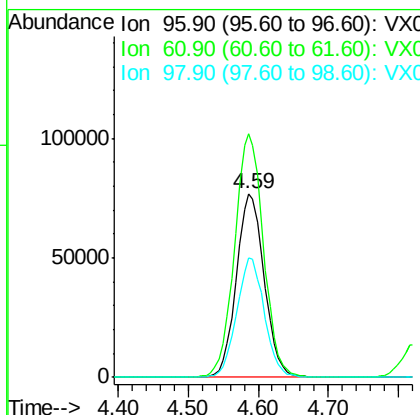
Acq: 15 Aug 2019 18:51

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 96      | 100   | 212349 |       |       |
| 61      | 136.3 | 0.0    | 272.6 |       |
| 98      | 64.7  | 0.0    | 129.4 |       |

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC050

Manual Integrations  
APPROVED

MMDadoda  
8/16/2019 8:29:30 AM



#28

Bromochloromethane

Concen: 47.204 ug/l

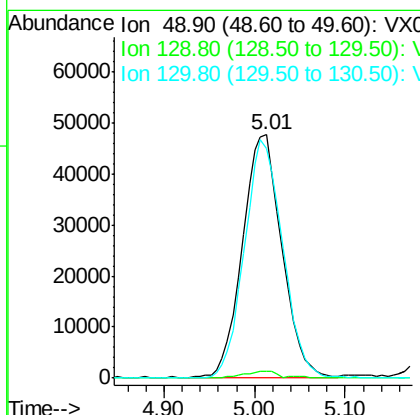
RT: 5.01 min Scan# 633

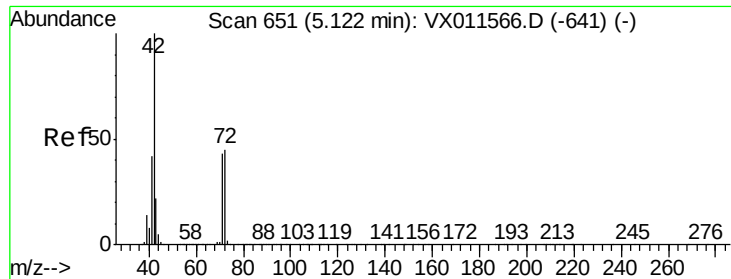
Delta R.T. 0.00 min

Lab File: VX011566.D

Acq: 15 Aug 2019 18:51

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 49      | 100   | 143043 |       |       |
| 129     | 2.5   | 0.0    | 5.0   |       |
| 130     | 95.8  | 76.6   | 115.0 |       |





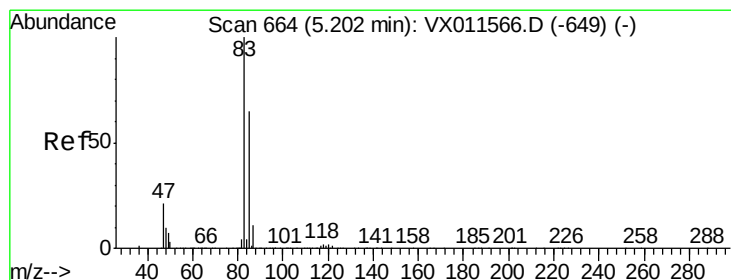
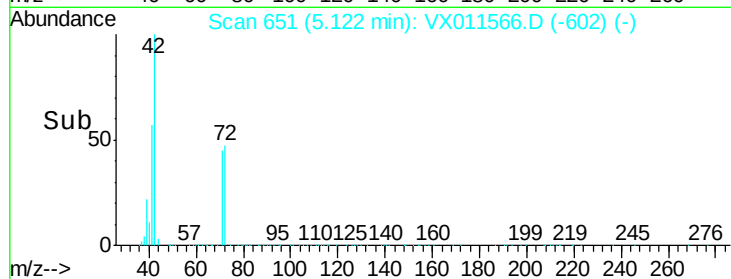
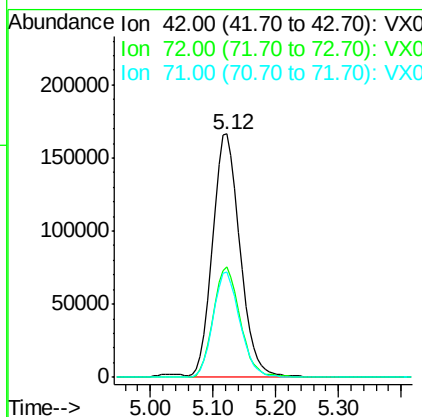
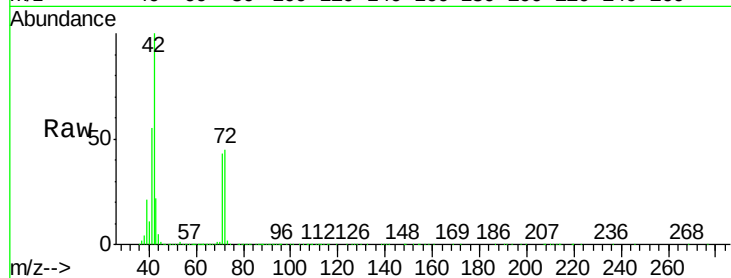
#29  
Tetrahydrofuran  
Concen: 275.926 ug/l  
RT: 5.12 min Scan# 651  
Delta R.T. 0.00 min  
Lab File: VX011566.D  
Acq: 15 Aug 2019 18:51

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 45.1  | 36.1  | 54.1  |
| 71      | 42.3  | 33.8  | 50.8  |

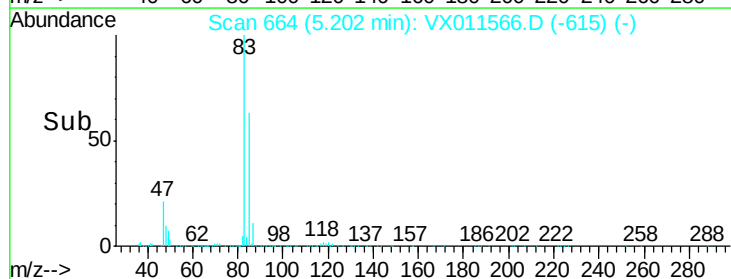
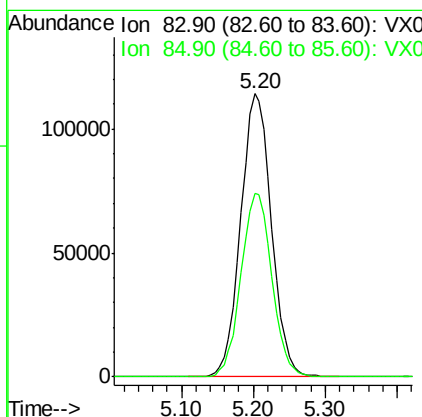
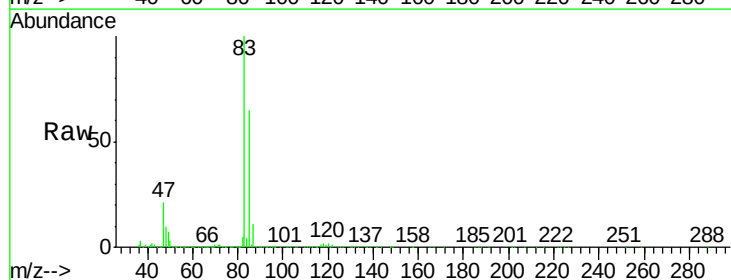
Manual Integrations  
APPROVED

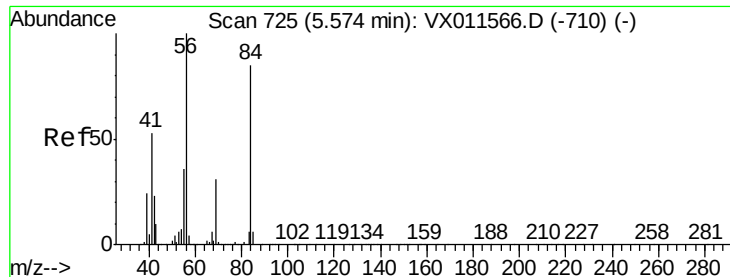
MMDadoda  
8/16/2019 8:29:30 AM



#30  
Chloroform  
Concen: 48.410 ug/l  
RT: 5.20 min Scan# 664  
Delta R.T. 0.00 min  
Lab File: VX011566.D  
Acq: 15 Aug 2019 18:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 64.9  | 51.9  | 77.9  |





#31

Cyclohexane

Concen: 48.389 ug/l

RT: 5.57 min Scan# 725

Delta R.T. 0.00 min

Lab File: VX011566.D

Acq: 15 Aug 2019 18:51

Instrument :

MSVOA\_X

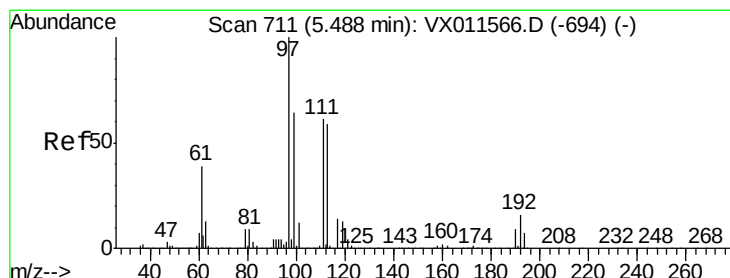
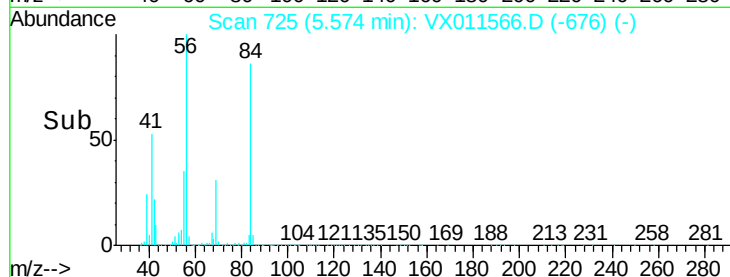
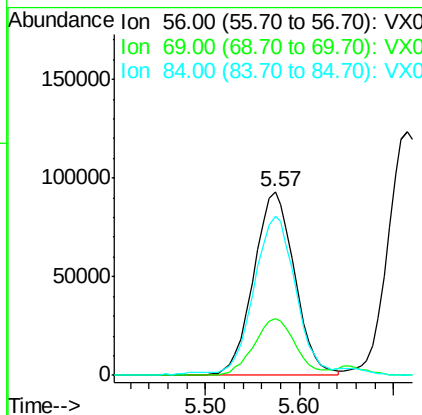
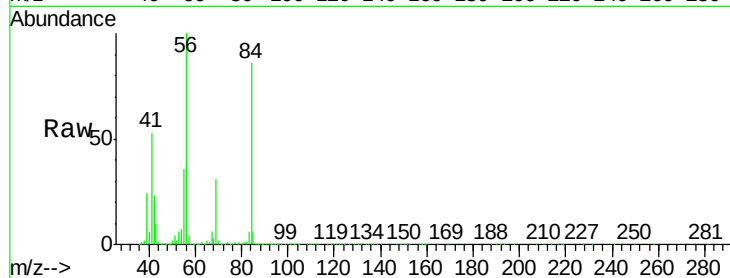
ClientSampleId :

VSTDICCC050

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 56    | Resp: | 284003 |
| Ion      | Ratio | Lower | Upper  |
| 56       | 100   |       |        |
| 69       | 31.0  | 24.8  | 37.2   |
| 84       | 84.9  | 67.9  | 101.9  |

Manual Integrations  
APPROVED

MMDadoda  
8/16/2019 8:29:30 AM



#32

1,1,1-Trichloroethane

Concen: 49.901 ug/l

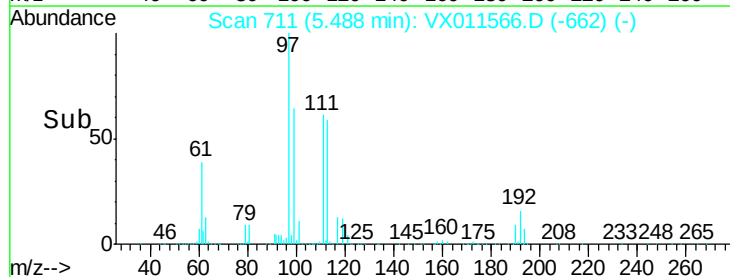
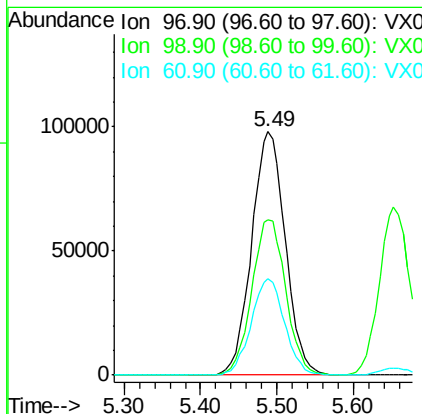
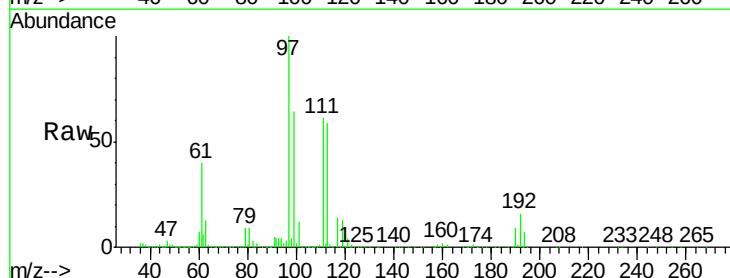
RT: 5.49 min Scan# 711

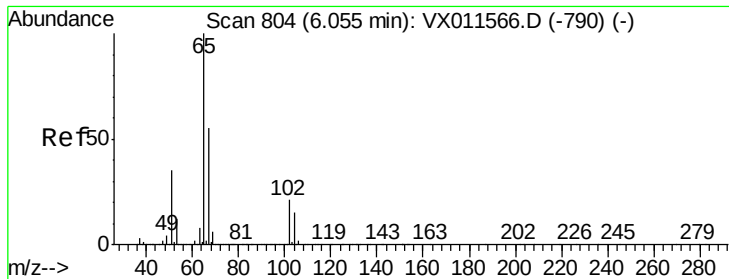
Delta R.T. 0.00 min

Lab File: VX011566.D

Acq: 15 Aug 2019 18:51

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 97    | Resp: | 300973 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 99       | 64.2  | 51.4  | 77.0   |
| 61       | 39.3  | 31.4  | 47.2   |





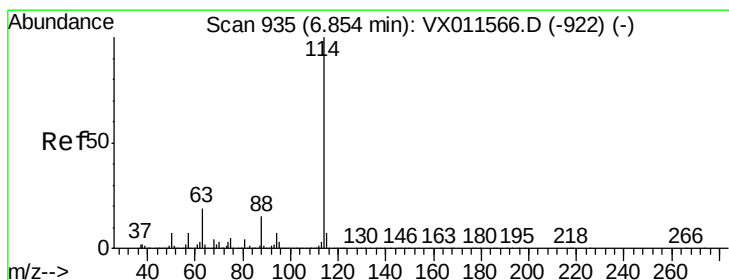
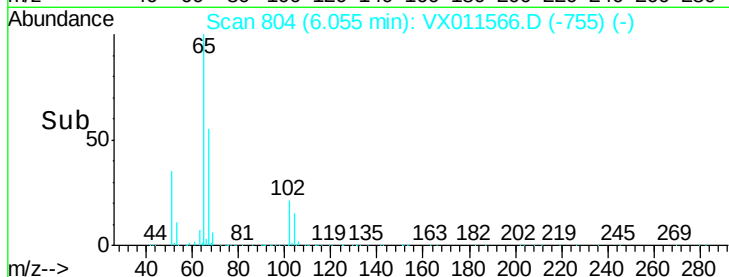
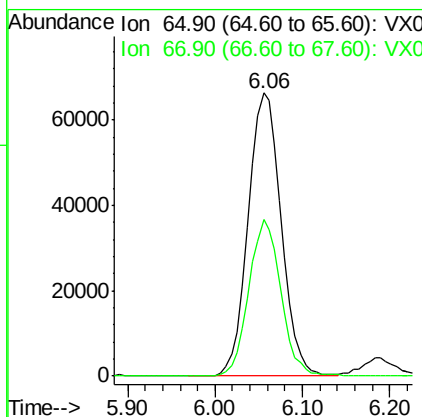
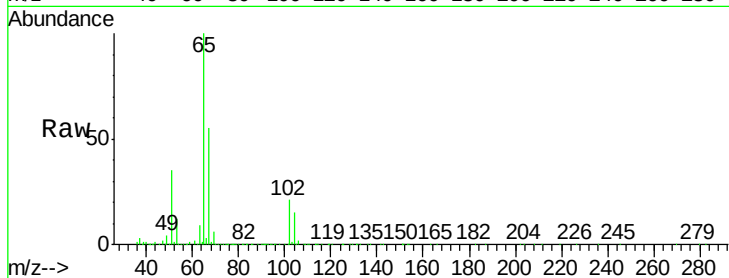
#33  
 1,2-Dichloroethane-d4  
 Concen: 41.583 ug/l  
 RT: 6.06 min Scan# 804  
 Delta R.T. 0.00 min  
 Lab File: VX011566.D  
 Acq: 15 Aug 2019 18:51

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 65      | 100   | 174076 |       |       |
| 67      | 53.8  | 0.0    | 107.6 |       |

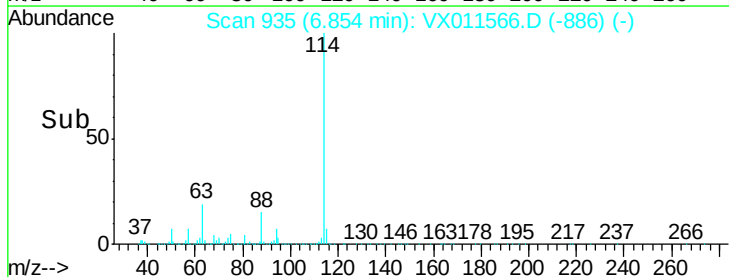
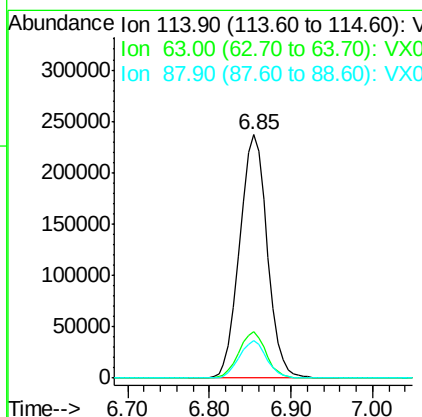
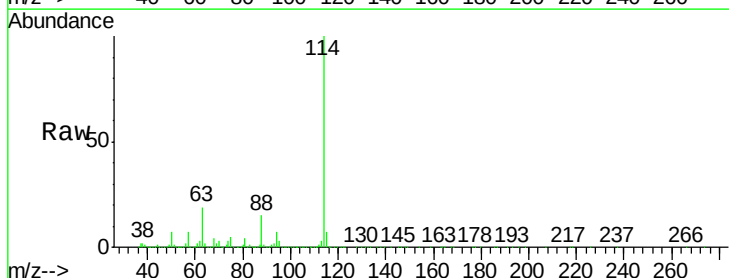
Manual Integrations  
 APPROVED

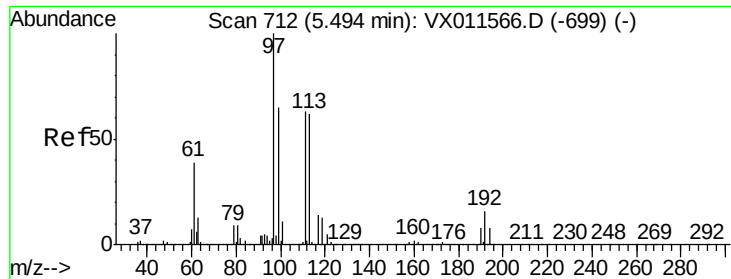
MMDadoda  
 8/16/2019 8:29:30 AM



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.85 min Scan# 935  
 Delta R.T. 0.00 min  
 Lab File: VX011566.D  
 Acq: 15 Aug 2019 18:51

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 114     | 100   | 556557 |       |       |
| 63      | 18.9  | 0.0    | 37.8  |       |
| 88      | 15.1  | 0.0    | 30.2  |       |





#35

Dibromofluoromethane

Concen: 48.137 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.00 min

Lab File: VX011566.D

Acq: 15 Aug 2019 18:51

Instrument :

MSVOA\_X

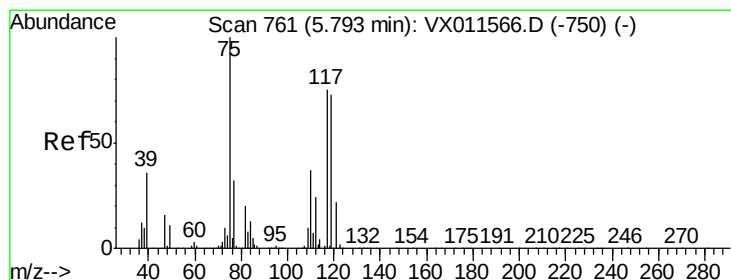
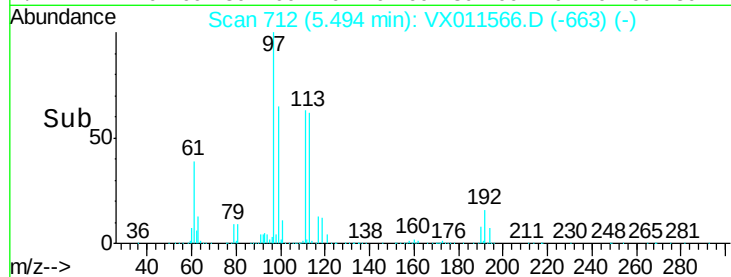
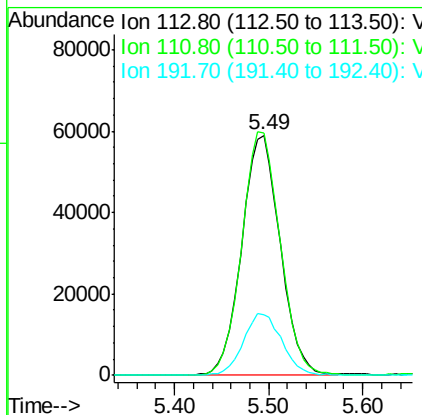
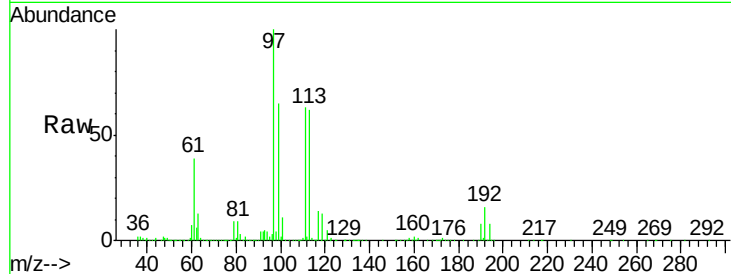
ClientSampleId :

VSTDICCC050

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 113   | Resp: | 168818 |
| Ion Ratio | Lower | Upper |        |
| 113       | 100   |       |        |
| 111       | 101.4 | 81.1  | 121.7  |
| 192       | 26.0  | 20.8  | 31.2   |

Manual Integrations  
APPROVED

MMDadoda  
8/16/2019 8:29:30 AM



#36

1,1-Dichloropropene

Concen: 52.172 ug/l

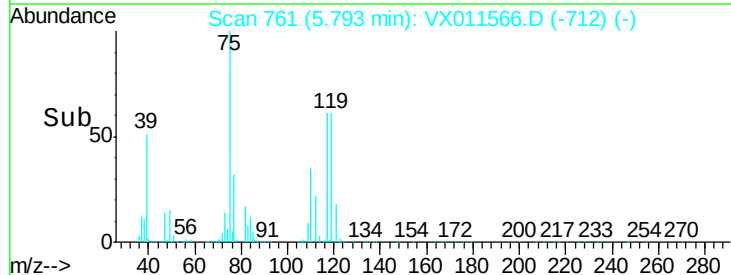
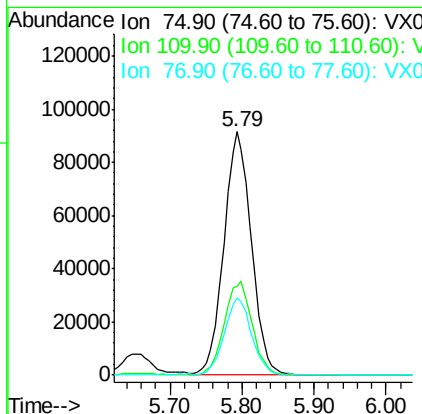
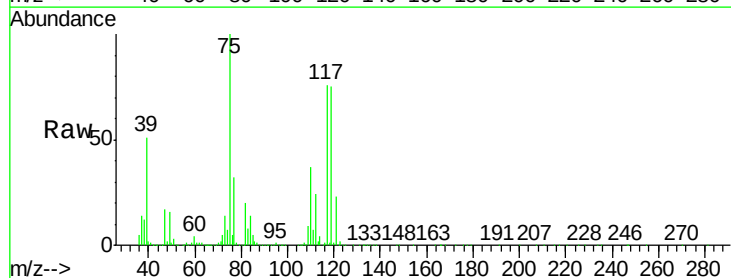
RT: 5.79 min Scan# 761

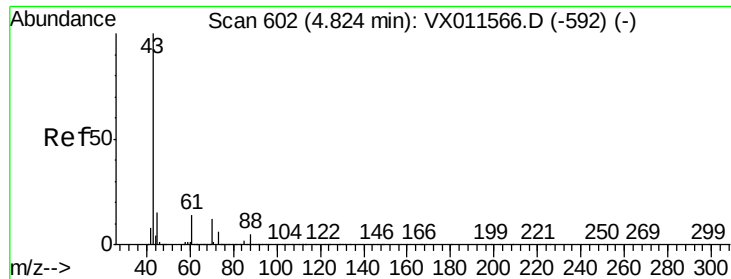
Delta R.T. 0.00 min

Lab File: VX011566.D

Acq: 15 Aug 2019 18:51

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 75    | Resp: | 241217 |
| Ion Ratio | Lower | Upper |        |
| 75        | 100   |       |        |
| 110       | 38.7  | 19.4  | 58.1   |
| 77        | 31.4  | 25.1  | 37.7   |





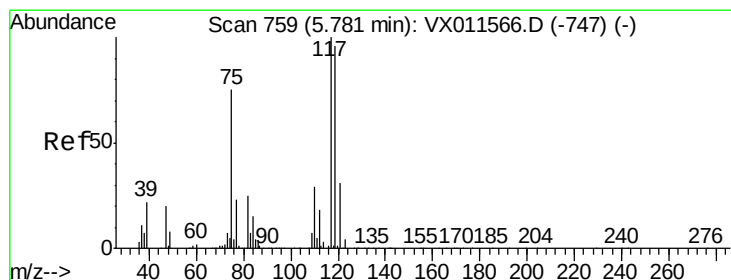
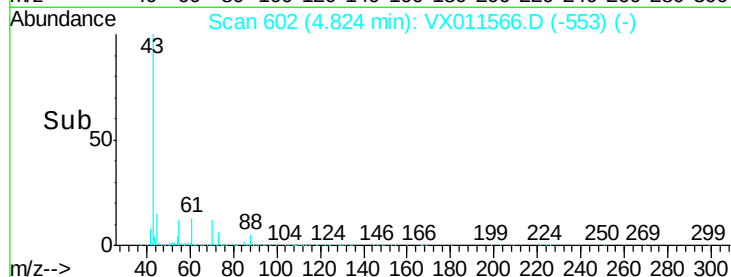
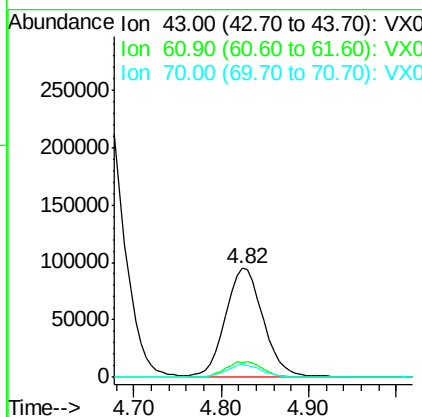
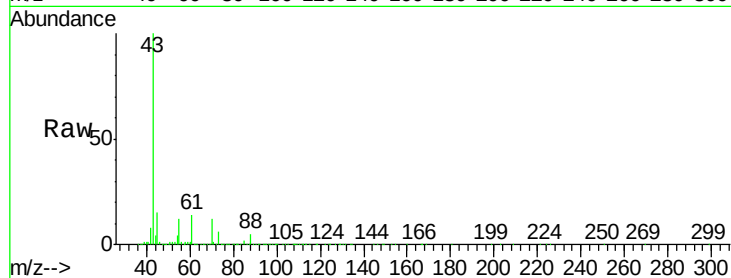
#37  
Ethyl Acetate  
Concen: 58.302 ug/l  
RT: 4.82 min Scan# 602  
Delta R.T. 0.00 min  
Lab File: VX011566.D  
Acq: 15 Aug 2019 18:51

Instrument :  
MSVOA\_X  
ClientSampled :  
VSTDICCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 14.2  | 11.4  | 17.0  |
| 70      | 11.3  | 9.0   | 13.6  |

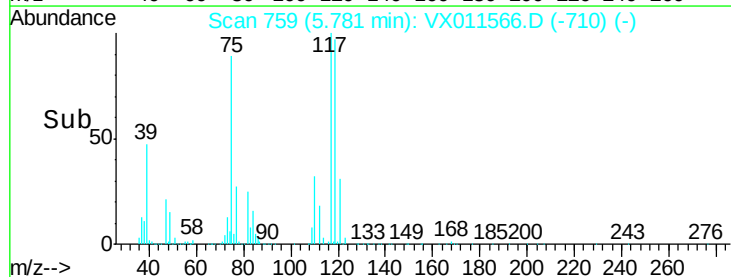
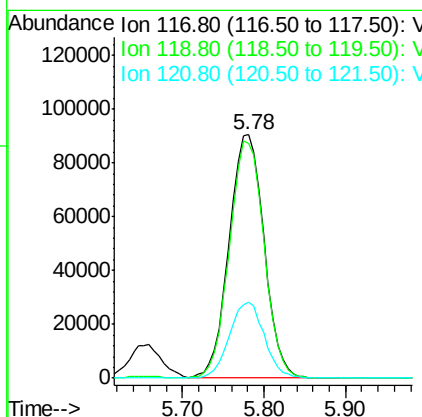
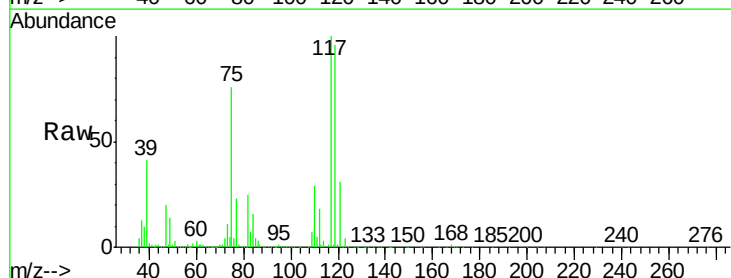
Manual Integrations  
APPROVED

MMDadoda  
8/16/2019 8:29:30 AM

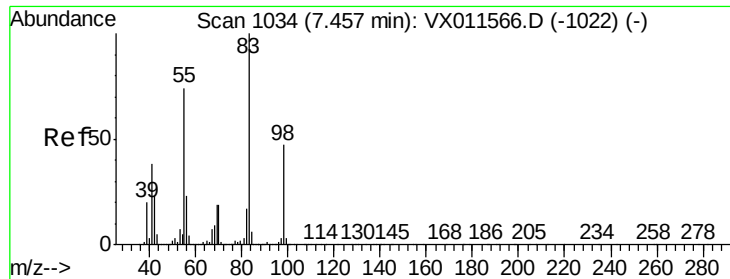


#38  
Carbon Tetrachloride  
Concen: 55.089 ug/l  
RT: 5.78 min Scan# 759  
Delta R.T. 0.00 min  
Lab File: VX011566.D  
Acq: 15 Aug 2019 18:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 96.1  | 76.9  | 115.3 |
| 121     | 31.0  | 24.8  | 37.2  |







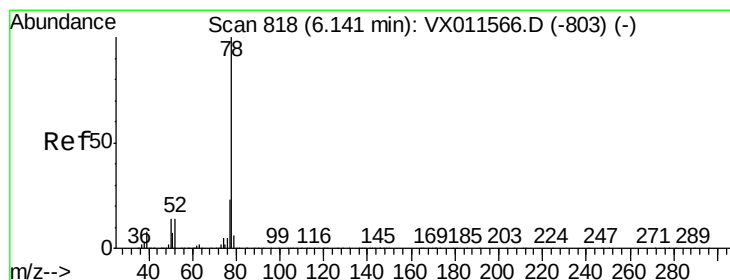
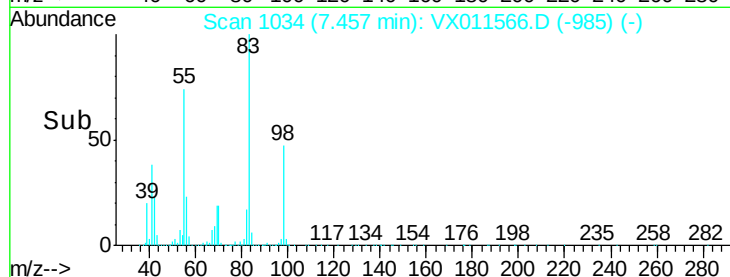
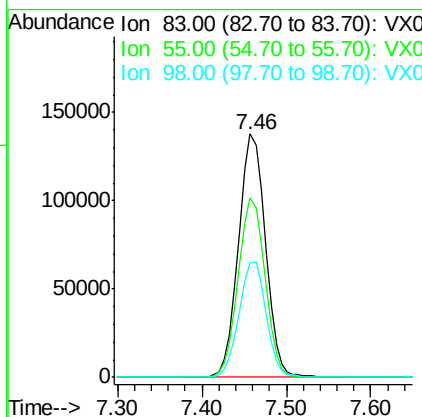
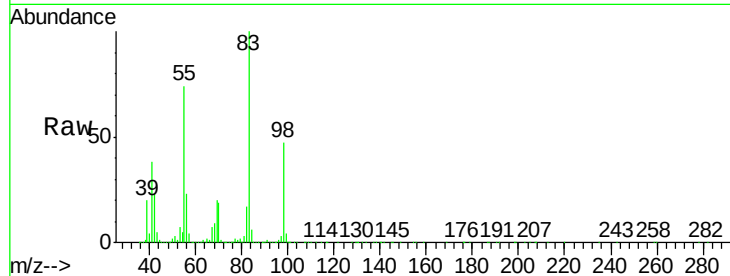
#39  
Methylvlcyclohexane  
Concen: 50.044 ug/l  
RT: 7.46 min Scan# 1034  
Delta R.T. 0.00 min  
Lab File: VX011566.D  
Acq: 15 Aug 2019 18:51

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 83      | 100   | 297555 |       |       |
| 55      | 73.5  |        | 58.8  | 88.2  |
| 98      | 47.2  |        | 37.8  | 56.6  |

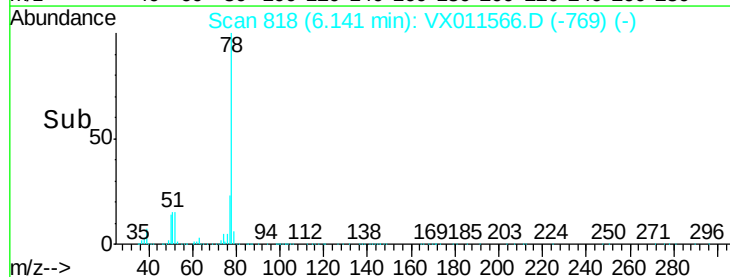
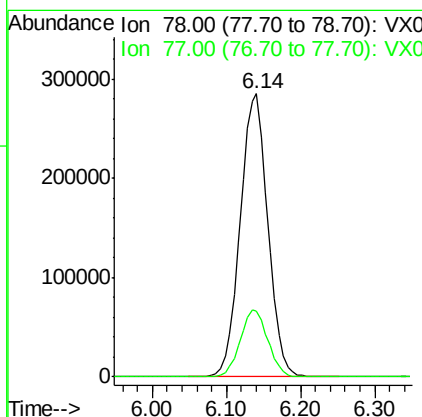
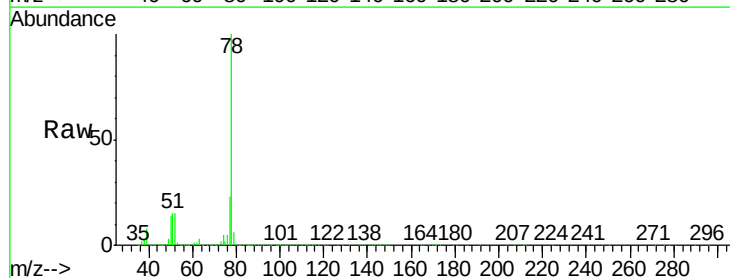
Manual Integrations  
APPROVED

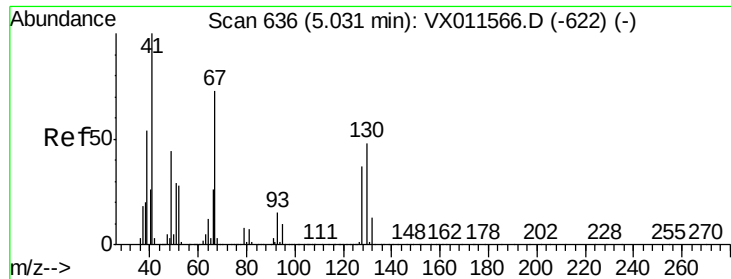
MMDadoda  
8/16/2019 8:29:30 AM



#40  
Benzene  
Concen: 52.365 ug/l  
RT: 6.14 min Scan# 818  
Delta R.T. 0.00 min  
Lab File: VX011566.D  
Acq: 15 Aug 2019 18:51

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 78      | 100   | 742058 |       |       |
| 77      | 23.3  |        | 18.6  | 28.0  |





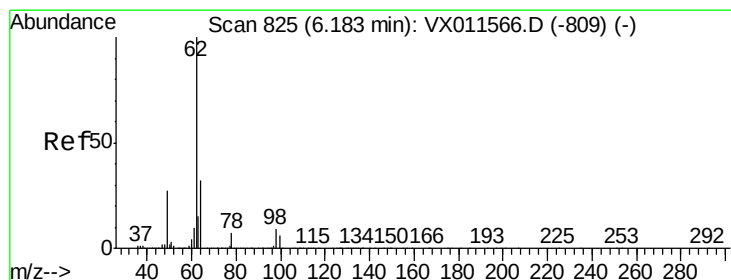
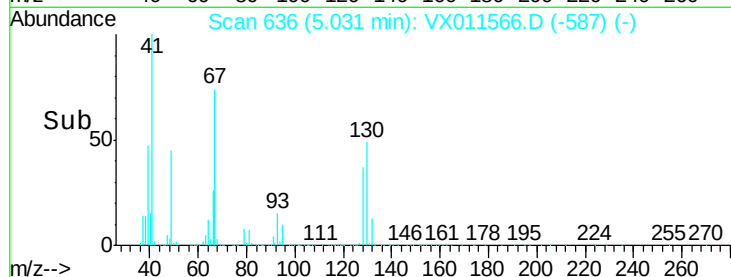
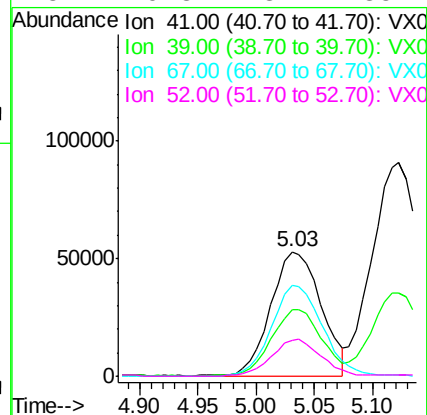
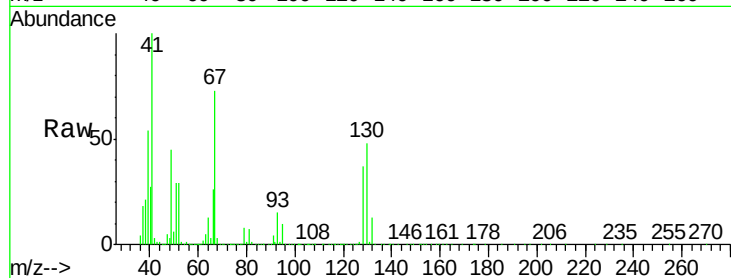
#41  
Methacrylonitrile  
Concen: 56.899 ug/l  
RT: 5.03 min Scan# 636  
Delta R.T. 0.00 min  
Lab File: VX011566.D  
Acq: 15 Aug 2019 18:51

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC050

| Tot Ion | Ion  | Ratio | Resp | Lower | Upper |
|---------|------|-------|------|-------|-------|
| 41      | 100  |       |      |       |       |
| 39      | 54.4 | 43.5  | 65.3 |       |       |
| 67      | 74.3 | 59.4  | 89.2 |       |       |
| 52      | 29.3 | 23.4  | 35.2 |       |       |

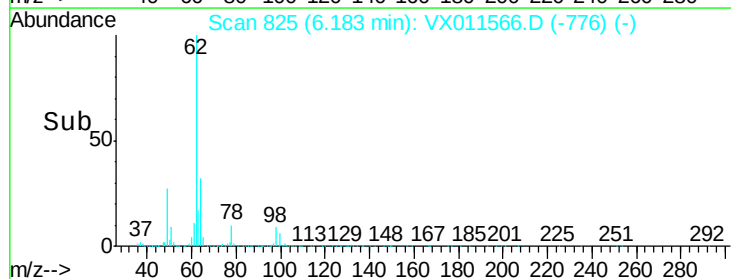
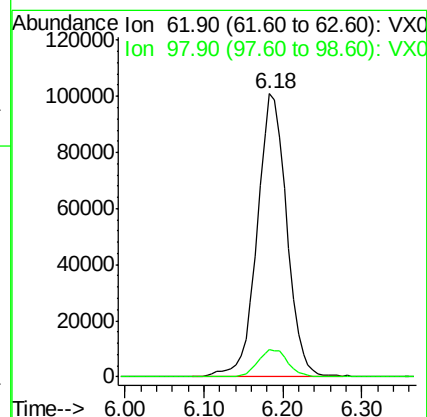
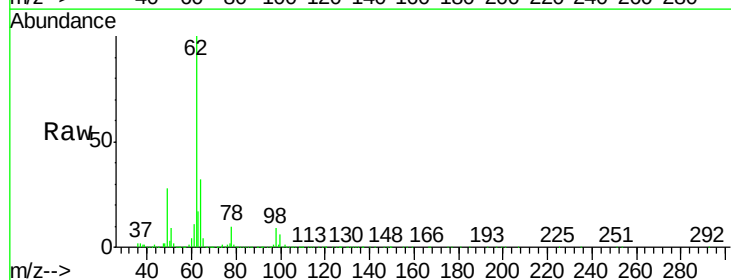
Manual Integrations  
APPROVED

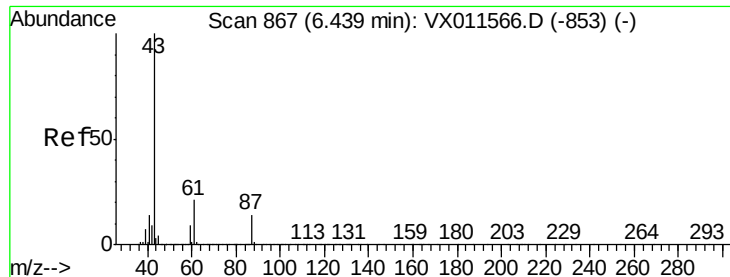
MMDadoda  
8/16/2019 8:29:30 AM



#42  
1,2-Dichloroethane  
Concen: 52.786 ug/l  
RT: 6.18 min Scan# 825  
Delta R.T. 0.00 min  
Lab File: VX011566.D  
Acq: 15 Aug 2019 18:51

| Tgt Ion | Ion | Ratio | Resp | Lower | Upper |
|---------|-----|-------|------|-------|-------|
| 62      | 100 |       |      |       |       |
| 98      | 9.7 | 0.0   | 19.4 |       |       |





#43

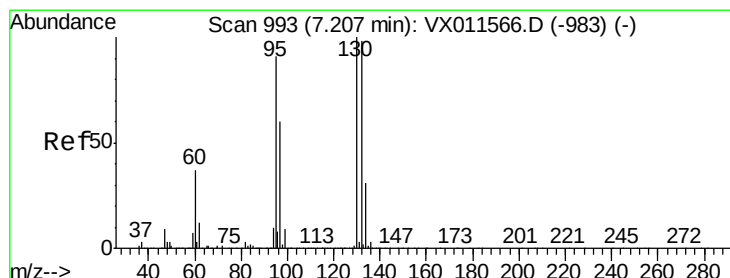
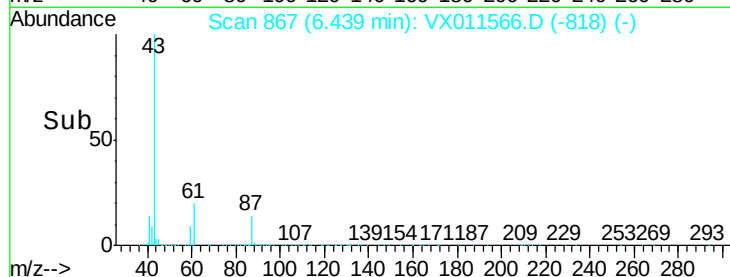
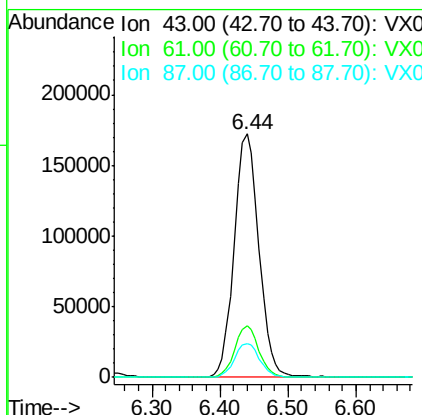
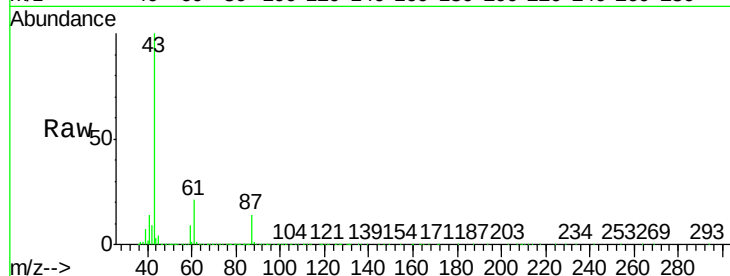
Isopropyl Acetate  
 Concen: 55.190 ug/l  
 RT: 6.44 min Scan# 867  
 Delta R.T. 0.00 min  
 Lab File: VX011566.D  
 Acq: 15 Aug 2019 18:51

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICCC050

| Tot Ion   | 43    | Resp  | 434519 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 43        | 100   |       |        |
| 61        | 20.7  | 16.6  | 24.8   |
| 87        | 14.3  | 11.4  | 17.2   |

Manual Integrations  
 APPROVED

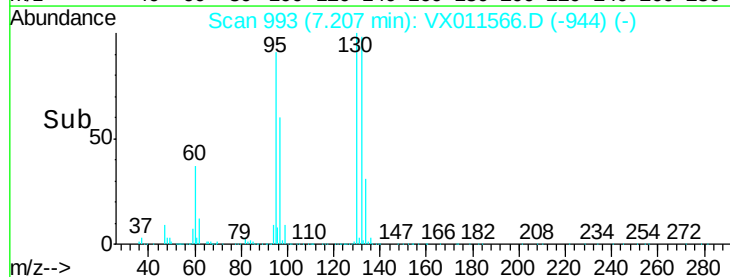
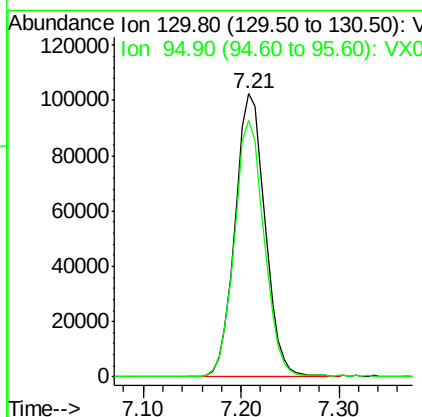
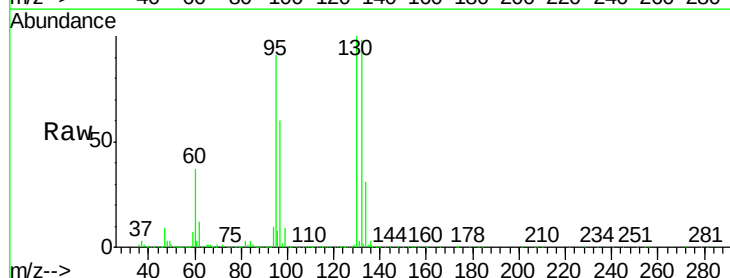
MMDadoda  
 8/16/2019 8:29:30 AM

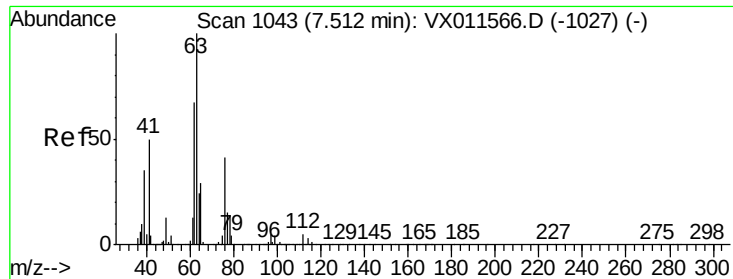


#44

Trichloroethene  
 Concen: 52.199 ug/l  
 RT: 7.21 min Scan# 993  
 Delta R.T. 0.00 min  
 Lab File: VX011566.D  
 Acq: 15 Aug 2019 18:51

| Tgt Ion   | 130   | Resp  | 219236 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 130       | 100   |       |        |
| 95        | 90.7  | 0.0   | 181.4  |





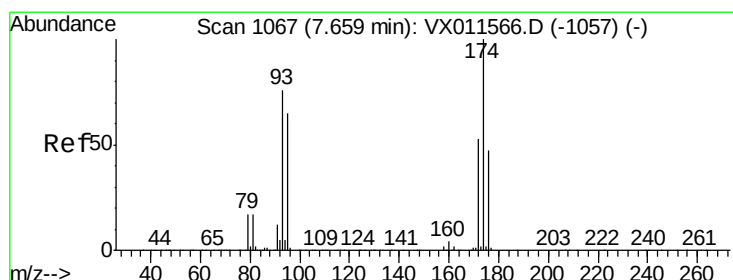
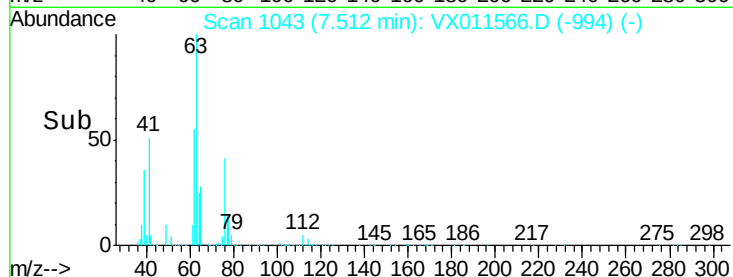
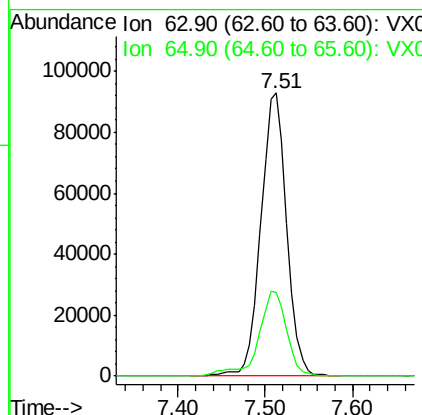
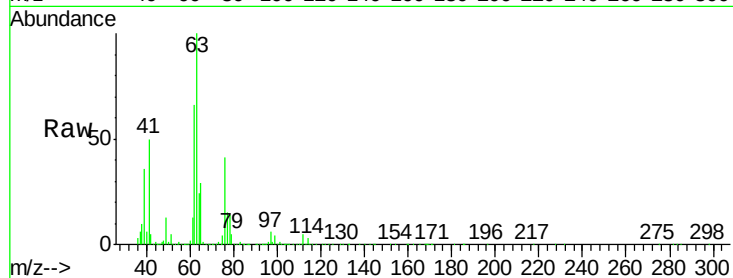
#45  
 1,2-Dichloropropane  
 Concen: 52.627 ug/l  
 RT: 7.51 min Scan# 1043  
 Delta R.T. 0.00 min  
 Lab File: VX011566.D  
 Acq: 15 Aug 2019 18:51

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 63      | 100   | 190493 |       |       |
| 65      | 29.3  |        | 23.4  | 35.2  |

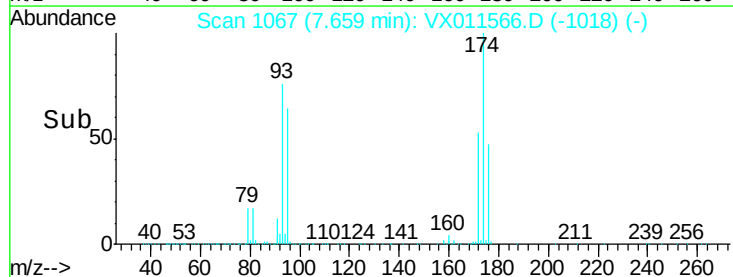
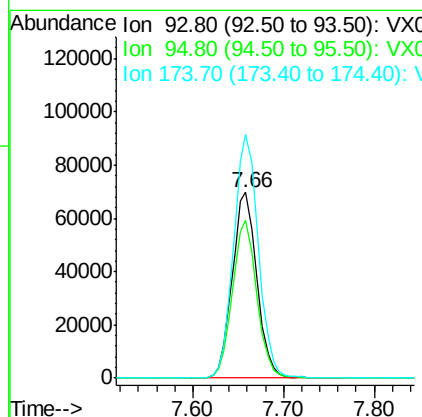
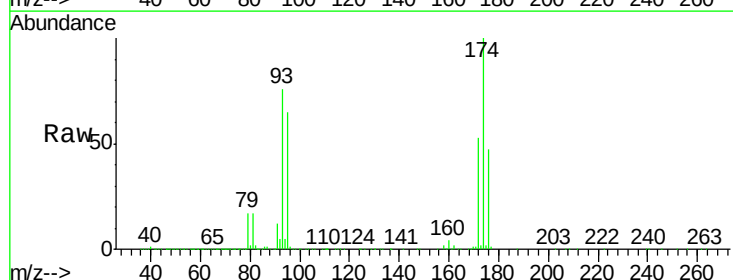
Manual Integrations  
 APPROVED

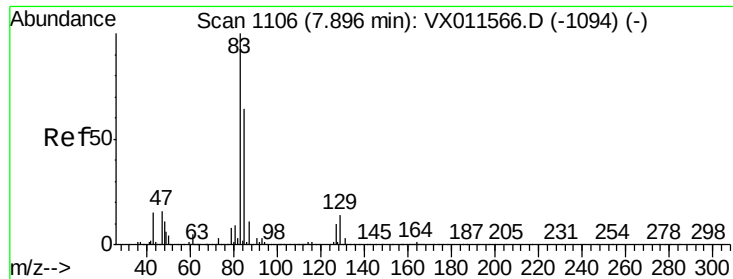
MMDadoda  
 8/16/2019 8:29:30 AM



#46  
 Dibromomethane  
 Concen: 51.191 ug/l  
 RT: 7.66 min Scan# 1067  
 Delta R.T. 0.00 min  
 Lab File: VX011566.D  
 Acq: 15 Aug 2019 18:51

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 93      | 100   | 131204 |       |       |
| 95      | 84.0  |        | 67.2  | 100.8 |
| 174     | 131.9 |        | 105.5 | 158.3 |





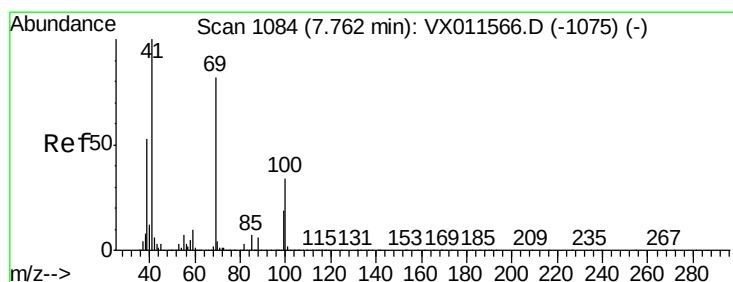
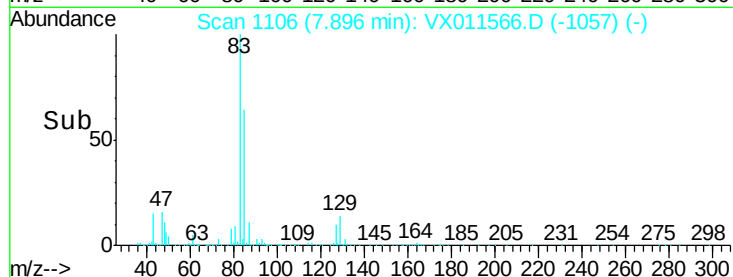
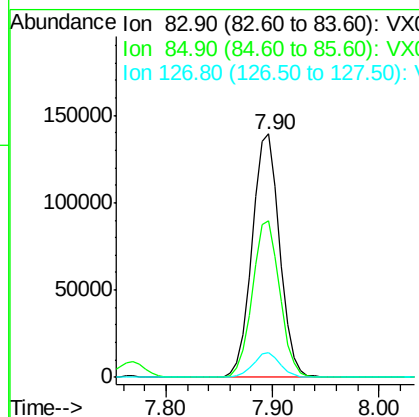
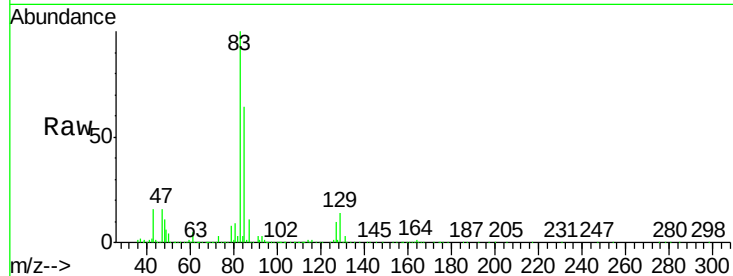
#47  
Bromodichloromethane  
Concen: 54.918 ug/l  
RT: 7.90 min Scan# 1106  
Delta R.T. 0.00 min  
Lab File: VX011566.D  
Acq: 15 Aug 2019 18:51

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC050

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 83    | Resp: | 253311 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 85        | 64.0  | 51.2  | 76.8   |
| 127       | 10.1  | 8.1   | 12.1   |

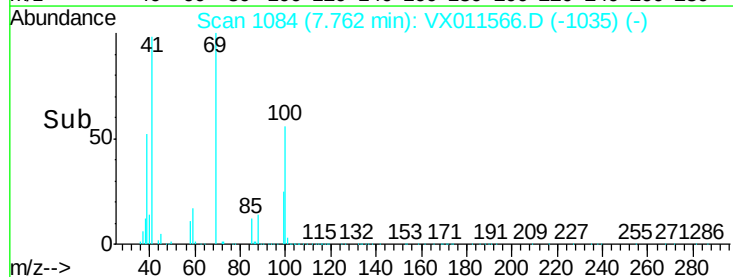
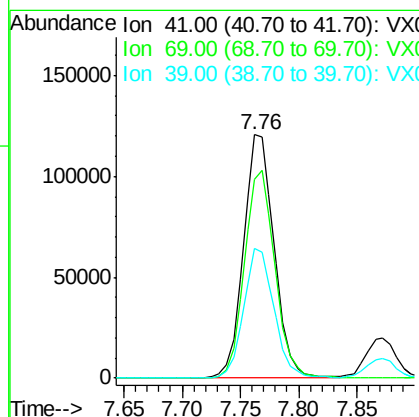
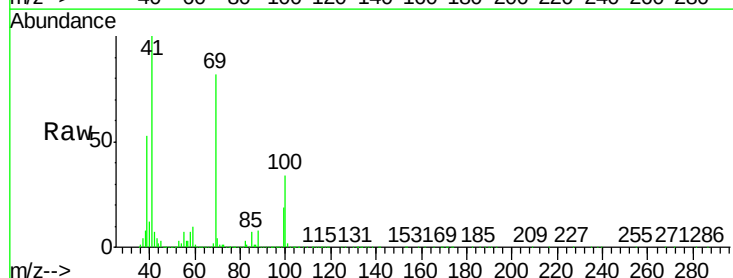
Manual Integrations  
APPROVED

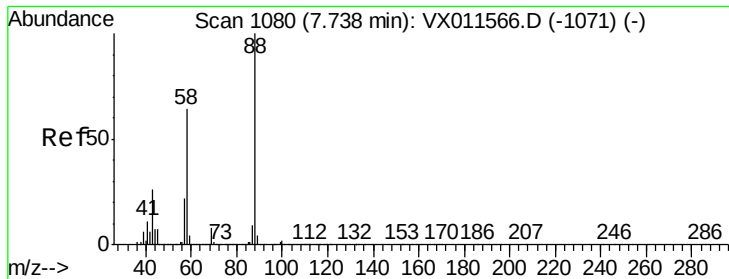
MMDadoda  
8/16/2019 8:29:30 AM



#48  
Methyl methacrylate  
Concen: 57.281 ug/l  
RT: 7.76 min Scan# 1084  
Delta R.T. 0.00 min  
Lab File: VX011566.D  
Acq: 15 Aug 2019 18:51

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 41    | Resp: | 221998 |
| Ion Ratio | Lower | Upper |        |
| 41        | 100   |       |        |
| 69        | 84.9  | 67.9  | 101.9  |
| 39        | 52.0  | 41.6  | 62.4   |





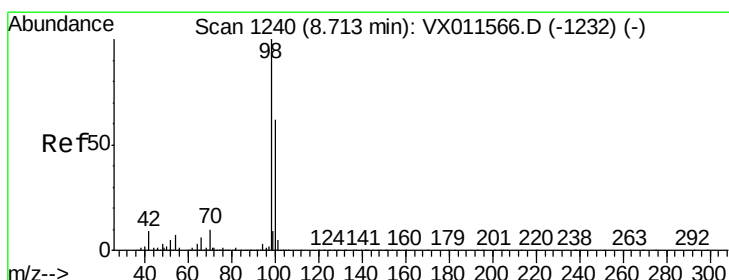
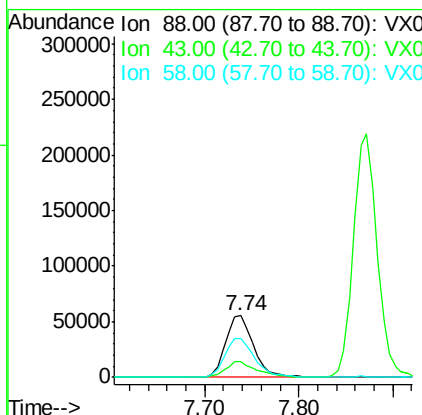
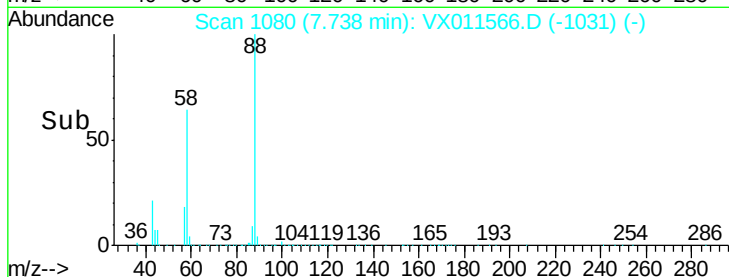
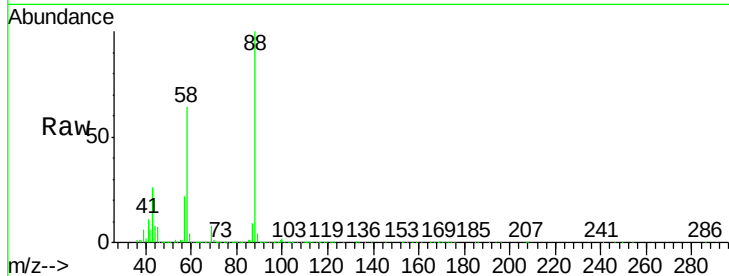
#49  
1,4-Dioxane  
Concen: 1063.837 ug/l  
RT: 7.74 min Scan# 1080  
Delta R.T. 0.00 min  
Lab File: VX011566.D  
Acq: 15 Aug 2019 18:51

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 29.2  | 23.4  | 35.0  |
| 58      | 67.9  | 54.3  | 81.5  |

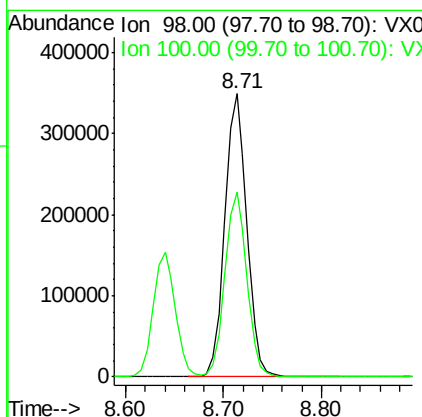
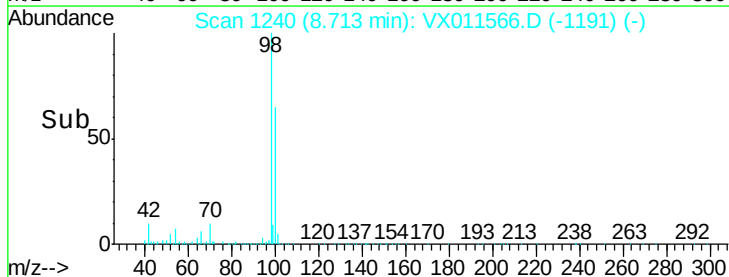
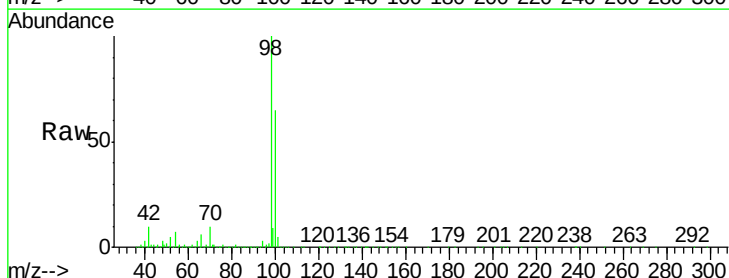
Manual Integrations  
APPROVED

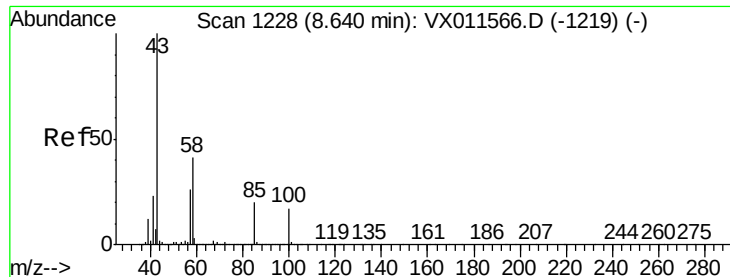
MMDadoda  
8/16/2019 8:29:30 AM



#50  
Toluene-d8  
Concen: 42.401 ug/l  
RT: 8.71 min Scan# 1240  
Delta R.T. 0.00 min  
Lab File: VX011566.D  
Acq: 15 Aug 2019 18:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 65.5  | 52.4  | 78.6  |





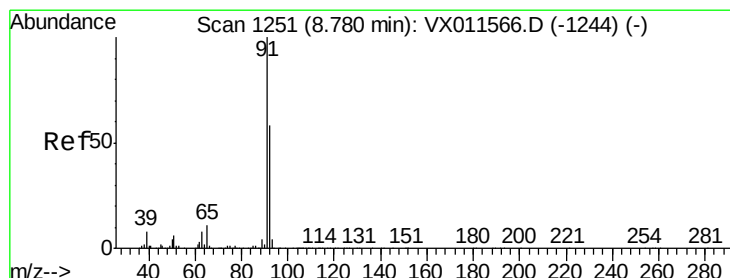
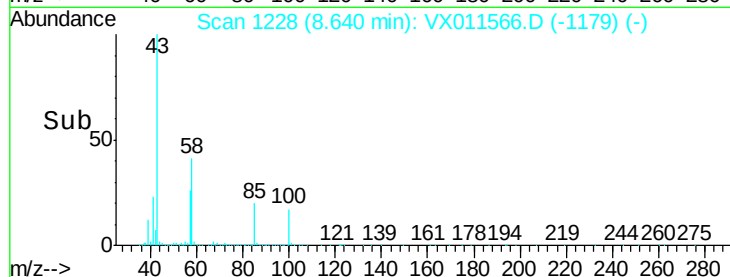
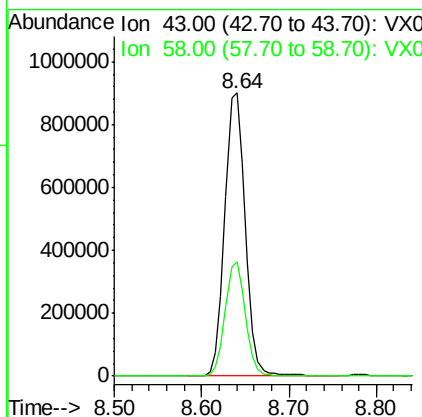
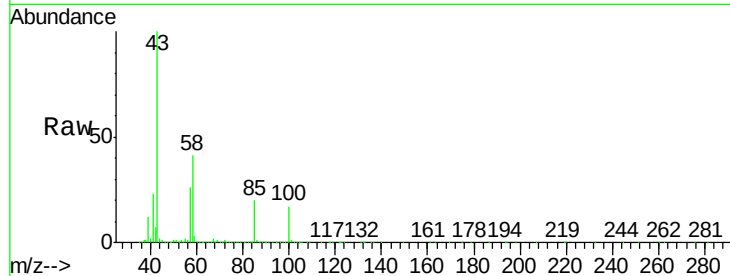
#51  
4-Methyl-2-Pentanone  
Concen: 285.280 ug/l  
RT: 8.64 min Scan# 1228  
Delta R.T. 0.00 min  
Lab File: VX011566.D  
Acq: 15 Aug 2019 18:51

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC050

Tot Ion: 43 Resp: 1461949  
Ion Ratio Lower Upper  
43 100  
58 39.7 31.8 47.6

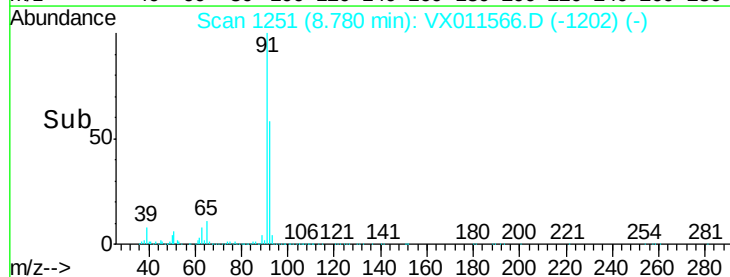
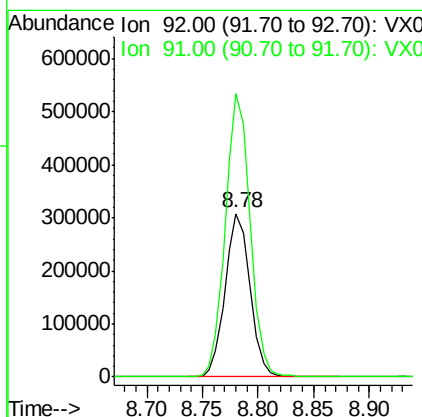
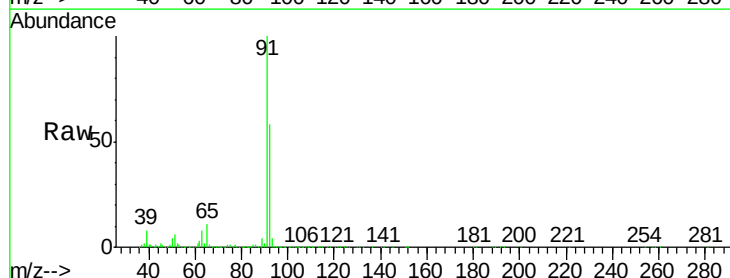
Manual Integrations  
APPROVED

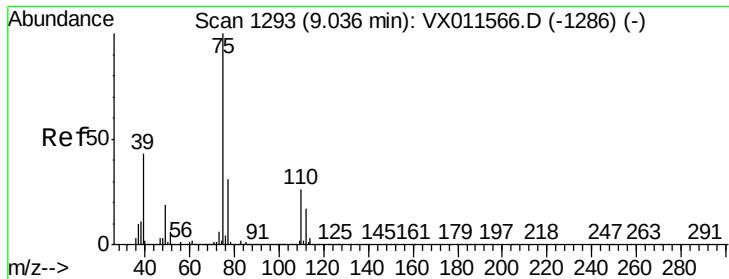
MMDadoda  
8/16/2019 8:29:30 AM



#52  
Toluene  
Concen: 51.353 ug/l  
RT: 8.78 min Scan# 1251  
Delta R.T. 0.00 min  
Lab File: VX011566.D  
Acq: 15 Aug 2019 18:51

Tgt Ion: 92 Resp: 476077  
Ion Ratio Lower Upper  
92 100  
91 172.5 138.0 207.0





#53

t-1,3-Dichloropropene

Concen: 55.503 ug/l

RT: 9.04 min Scan# 1293

Delta R.T. 0.00 min

Lab File: VX011566.D

Acq: 15 Aug 2019 18:51

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICCC050

Tot Ion: 75 Resp: 274369

Ion Ratio Lower Upper

75 100

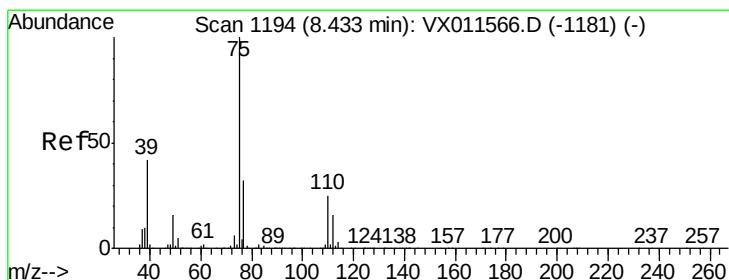
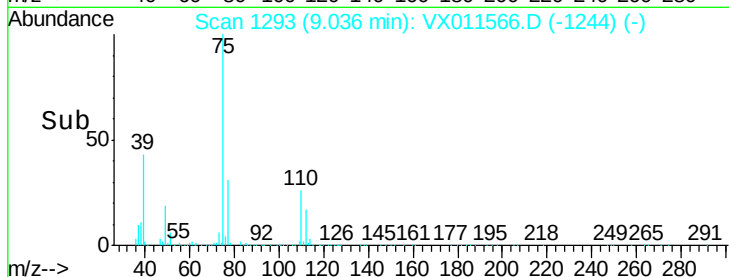
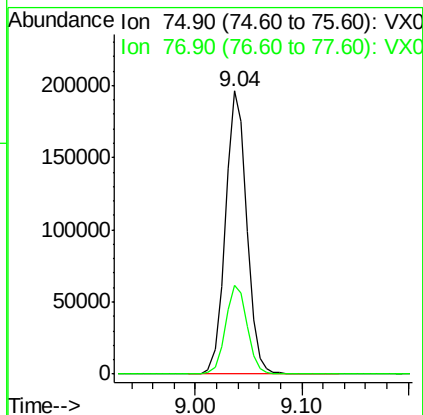
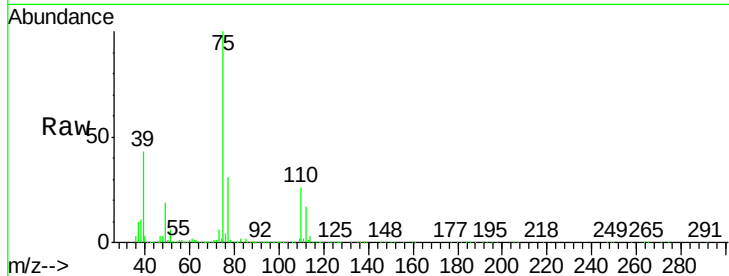
77 31.4 25.1 37.7

Manual Integrations

APPROVED

MMDadoda

8/16/2019 8:29:30 AM



#54

cis-1,3-Dichloropropene

Concen: 54.789 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. 0.00 min

Lab File: VX011566.D

Acq: 15 Aug 2019 18:51

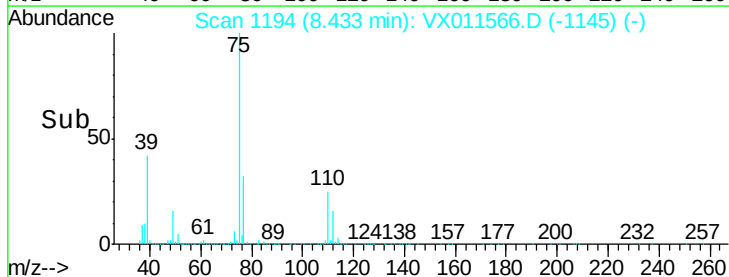
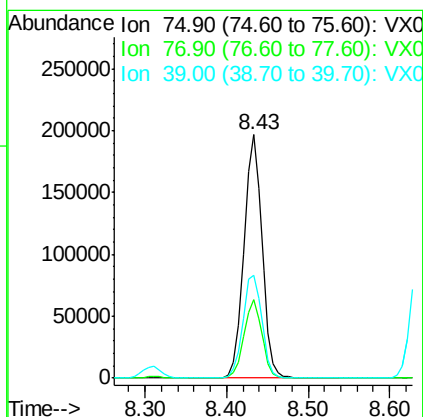
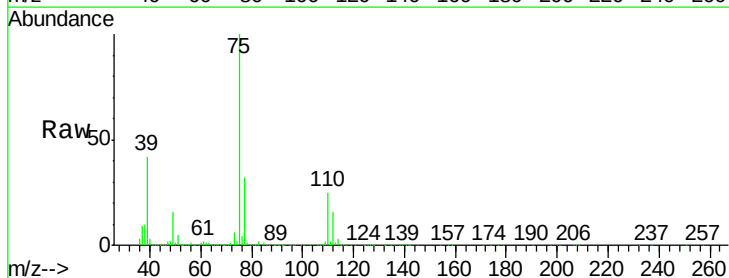
Tgt Ion: 75 Resp: 300507

Ion Ratio Lower Upper

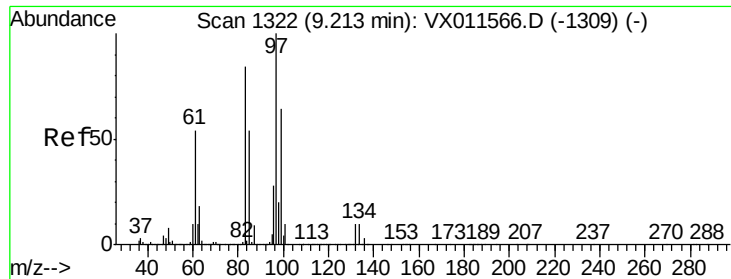
75 100

77 31.9 25.5 38.3

39 42.0 33.6 50.4







#55

1,1,2-Trichloroethane

Concen: 52.045 ug/l

RT: 9.21 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VX011566.D

Acq: 15 Aug 2019 18:51

Instrument :

MSVOA\_X

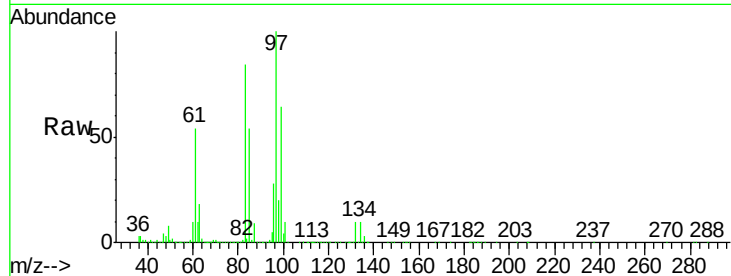
ClientSampleId :

VSTDICCC050

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 97      | 100  |       | 199453 |       |       |
| 83      | 84.2 | 67.4  | 101.0  |       |       |
| 85      | 54.3 | 43.4  | 65.2   |       |       |
| 99      | 63.9 | 51.1  | 76.7   |       |       |

Manual Integrations  
APPROVED

MMDadoda  
8/16/2019 8:29:30 AM



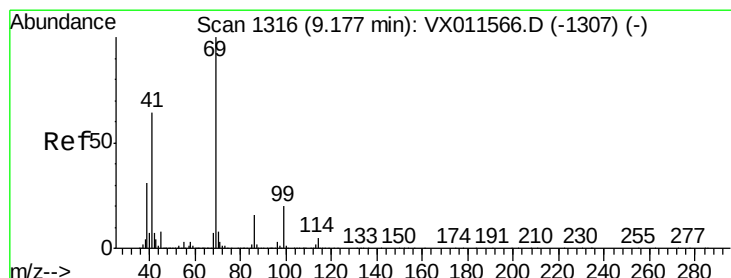
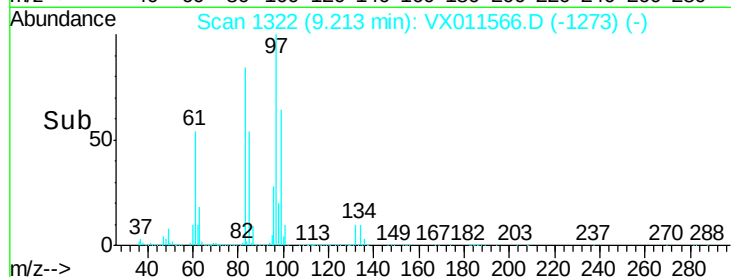
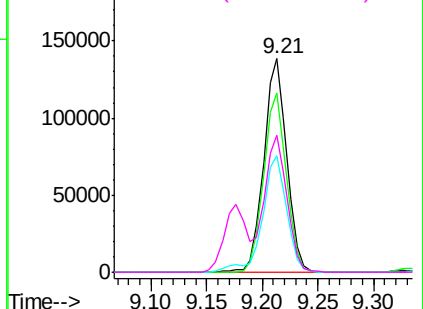
Abundance

Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



#56

Ethyl methacrylate

Concen: 55.206 ug/l

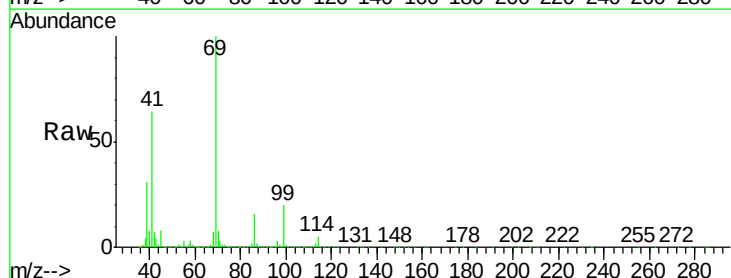
RT: 9.18 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VX011566.D

Acq: 15 Aug 2019 18:51

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 69      | 100  |       | 310045 |       |       |
| 41      | 65.1 | 52.1  | 78.1   |       |       |
| 39      | 31.7 | 25.4  | 38.0   |       |       |

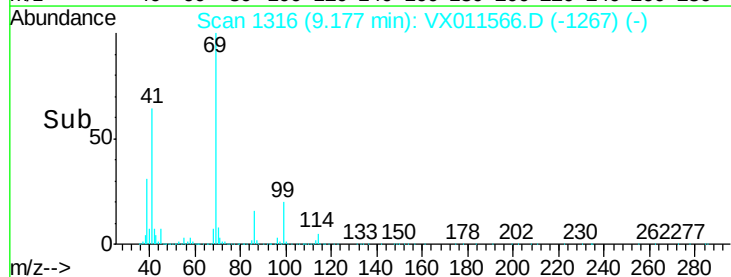
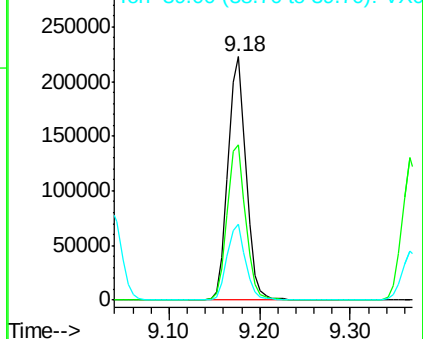


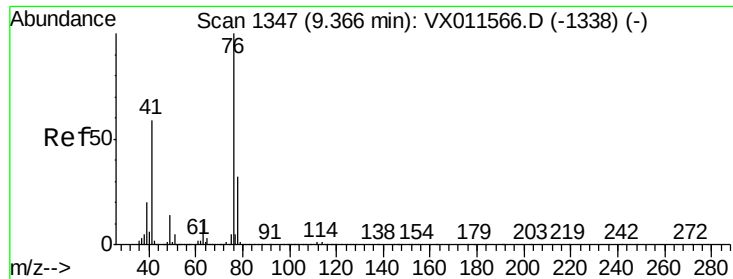
Abundance

Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





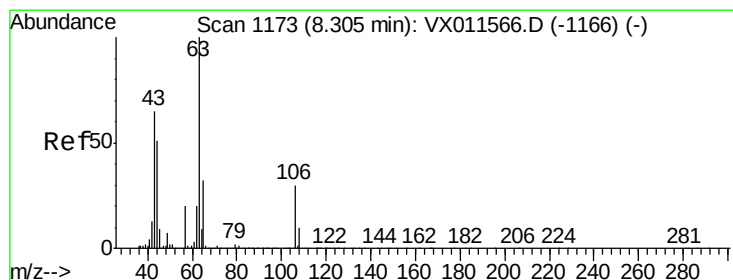
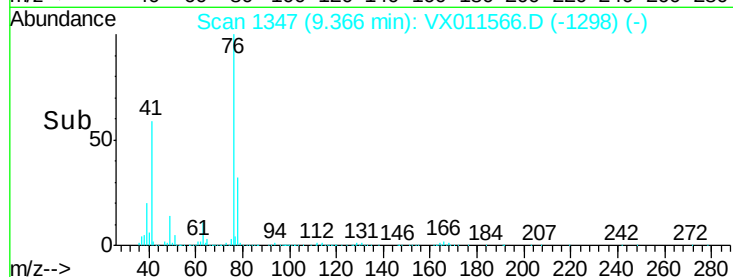
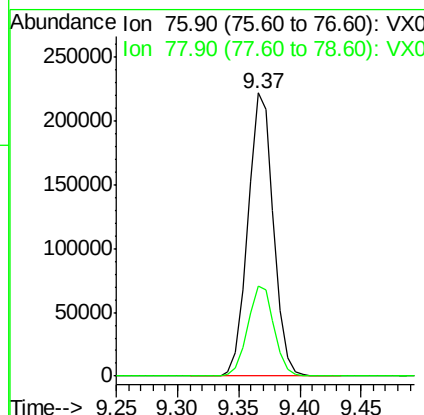
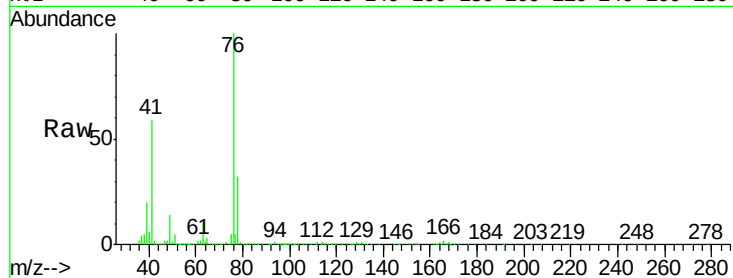
#57  
 1,3-Dichloropropane  
 Concen: 52.661 ug/l  
 RT: 9.37 min Scan# 1347  
 Delta R.T. 0.00 min  
 Lab File: VX011566.D  
 Acq: 15 Aug 2019 18:51

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 32.8  | 26.2  | 39.4  |

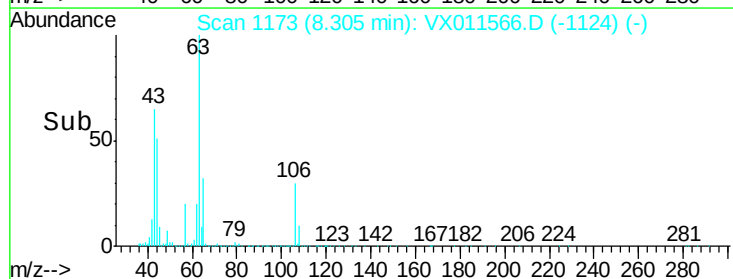
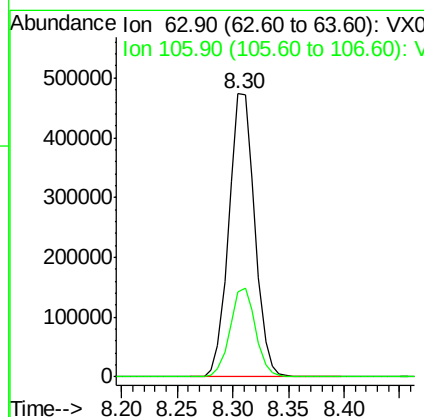
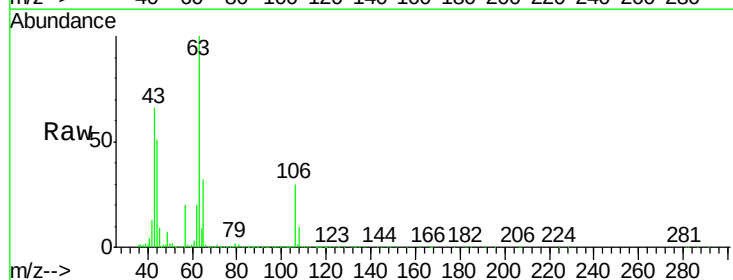
Manual Integrations  
 APPROVED

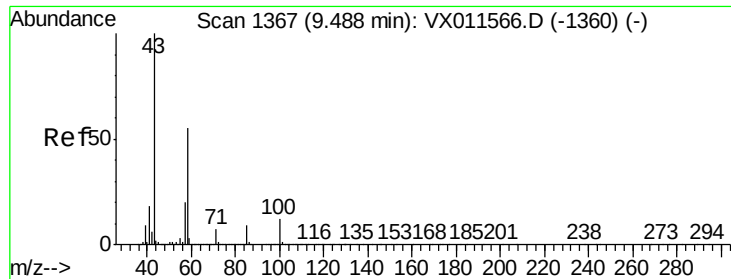
MMDadoda  
 8/16/2019 8:29:30 AM



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 281.568 ug/l  
 RT: 8.30 min Scan# 1173  
 Delta R.T. 0.00 min  
 Lab File: VX011566.D  
 Acq: 15 Aug 2019 18:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 106     | 30.9  | 24.7  | 37.1  |





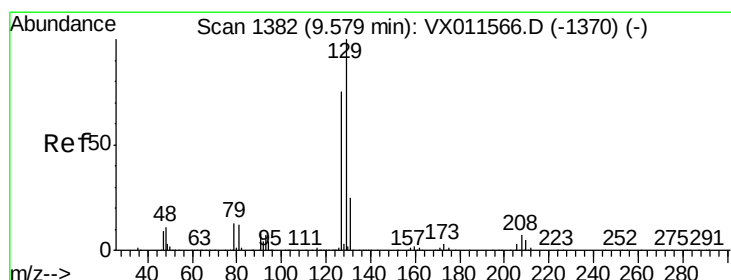
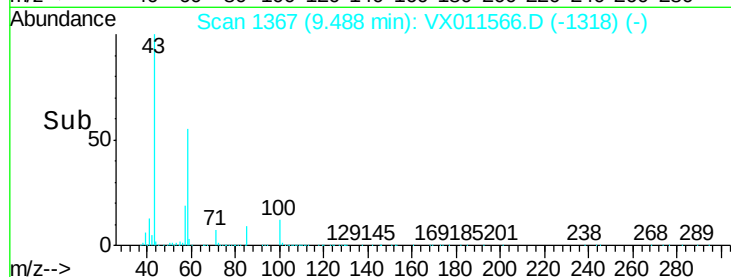
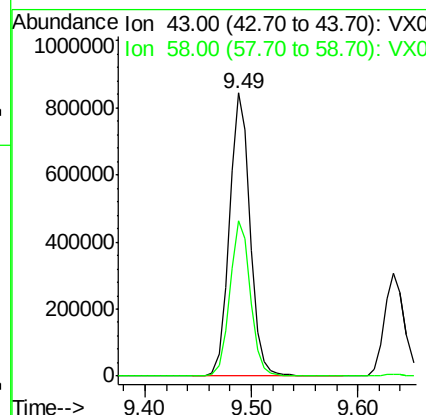
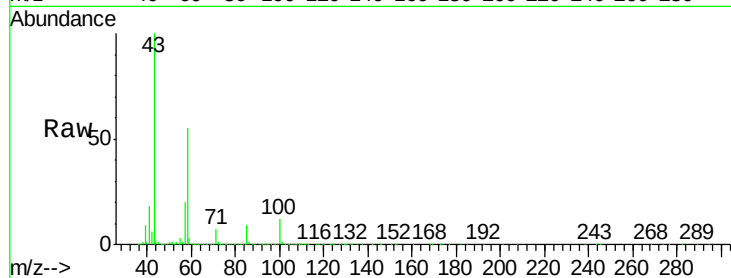
#59  
2-Hexanone  
Concen: 288.300 ug/l  
RT: 9.49 min Scan# 1367  
Delta R.T. 0.00 min  
Lab File: VX011566.D  
Acq: 15 Aug 2019 18:51

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC050

Tot Ion: 43 Resp: 1142255  
Ion Ratio Lower Upper  
43 100  
58 54.9 27.5 82.4

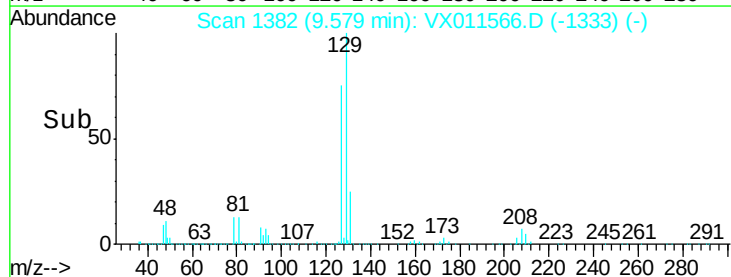
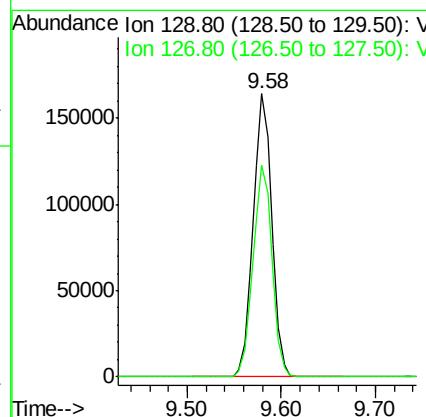
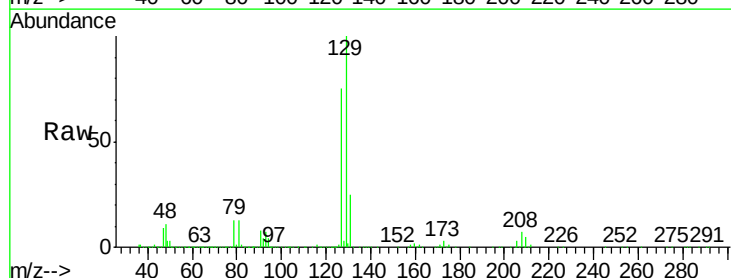
Manual Integrations  
APPROVED

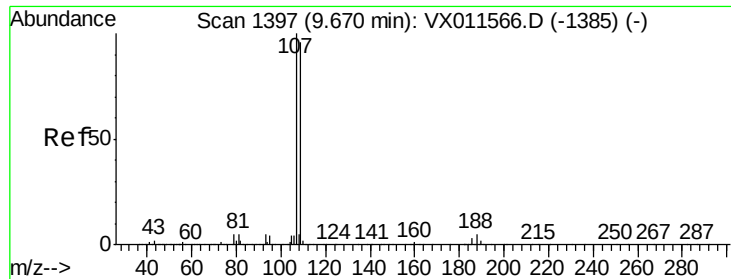
MMDadoda  
8/16/2019 8:29:30 AM



#60  
Dibromochloromethane  
Concen: 58.391 ug/l  
RT: 9.58 min Scan# 1382  
Delta R.T. 0.00 min  
Lab File: VX011566.D  
Acq: 15 Aug 2019 18:51

Tgt Ion: 129 Resp: 228907  
Ion Ratio Lower Upper  
129 100  
127 76.1 38.0 114.1





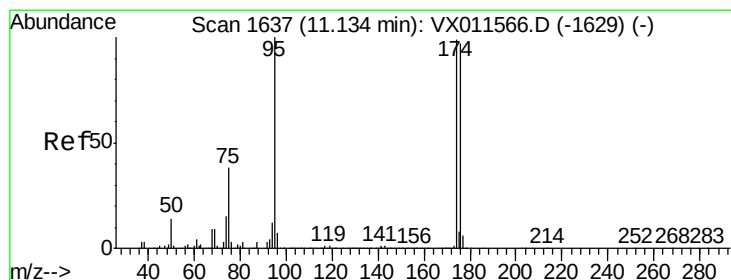
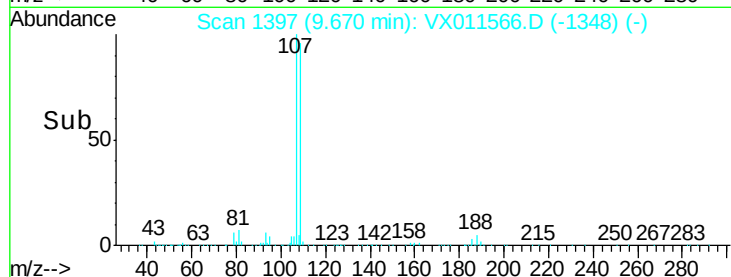
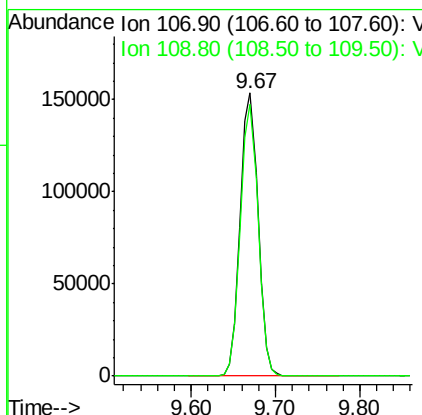
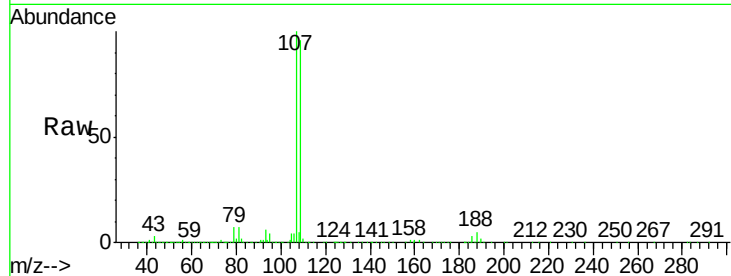
#61  
 1,2-Dibromoethane  
 Concen: 53.566 ug/l  
 RT: 9.67 min Scan# 1397  
 Delta R.T. 0.00 min  
 Lab File: VX011566.D  
 Acq: 15 Aug 2019 18:51

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 107     | 100   | 218099 |       |       |
| 109     | 95.2  | 76.2   | 114.2 |       |

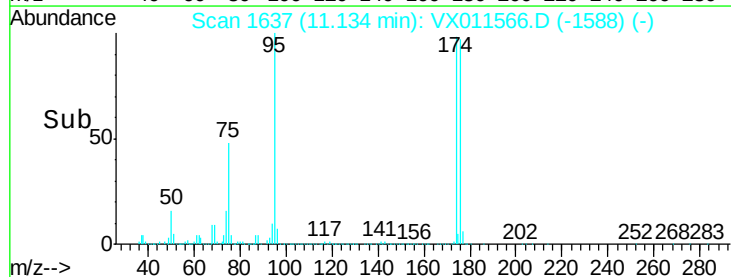
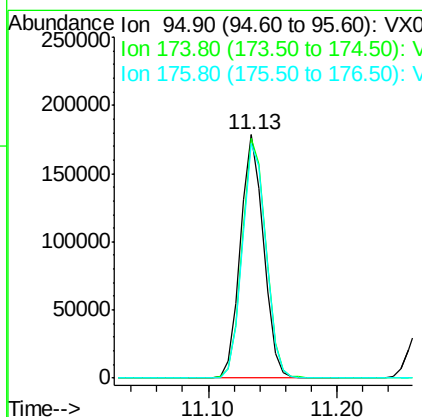
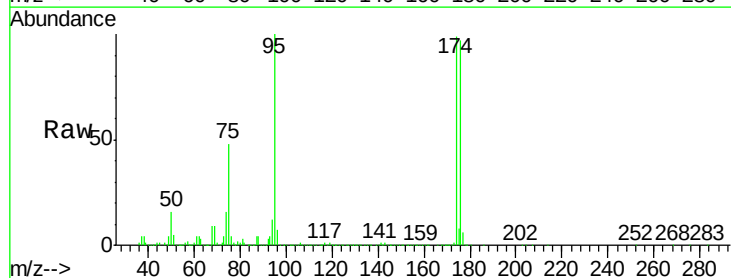
Manual Integrations  
 APPROVED

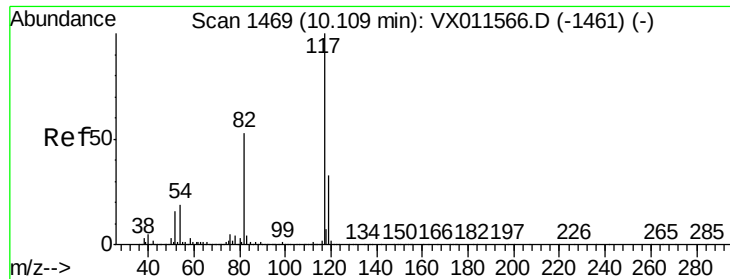
MMDadoda  
 8/16/2019 8:29:30 AM



#62  
 4-Bromofluorobenzene  
 Concen: 46.624 ug/l  
 RT: 11.13 min Scan# 1637  
 Delta R.T. 0.00 min  
 Lab File: VX011566.D  
 Acq: 15 Aug 2019 18:51

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 95      | 100   | 222216 |       |       |
| 174     | 100.3 | 0.0    | 200.6 |       |
| 176     | 98.3  | 0.0    | 196.6 |       |





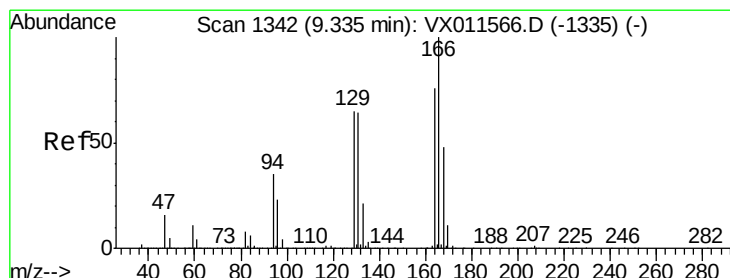
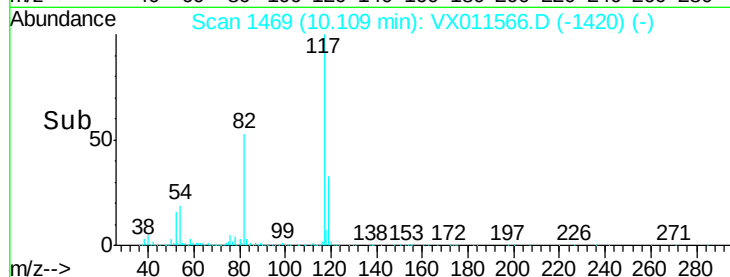
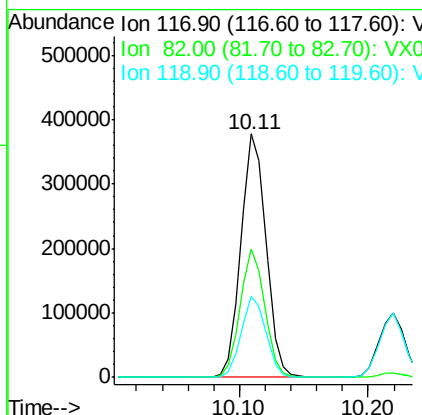
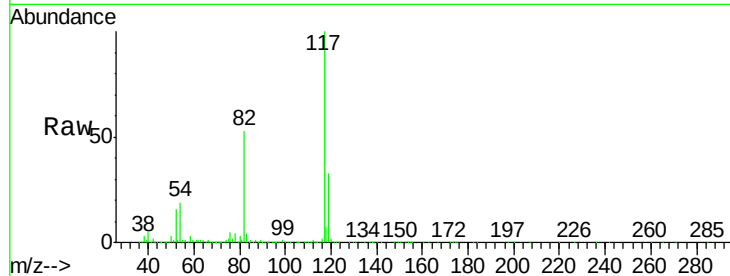
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.11 min Scan# 1469  
Delta R.T. 0.00 min  
Lab File: VX011566.D  
Acq: 15 Aug 2019 18:51

Instrument :  
MSVOA\_X  
ClientSampled :  
VSTDICCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 117     | 100   | 509098 |       |       |
| 82      | 52.5  |        | 42.0  | 63.0  |
| 119     | 33.1  |        | 26.5  | 39.7  |

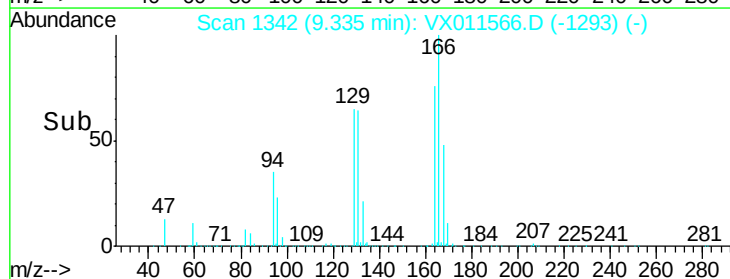
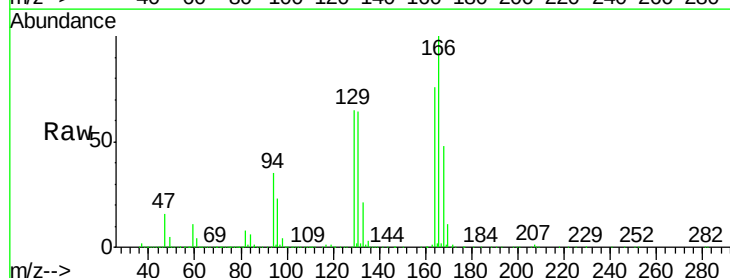
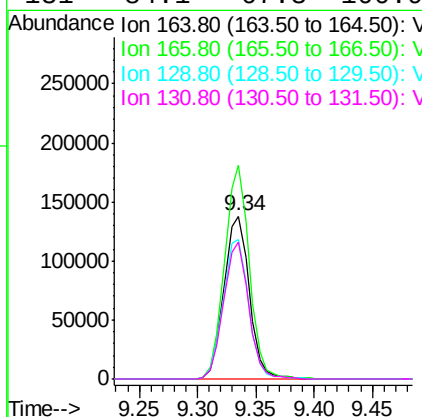
Manual Integrations  
APPROVED

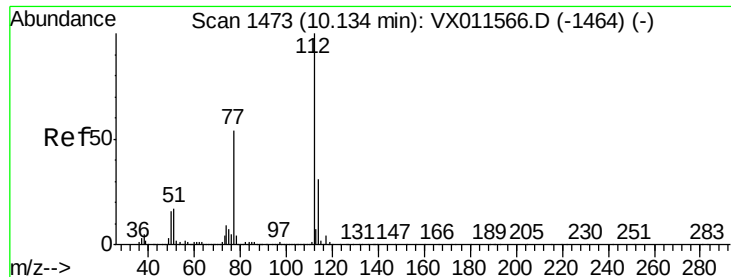
MMDadoda  
8/16/2019 8:29:30 AM



#64  
Tetrachloroethene  
Concen: 51.361 ug/l  
RT: 9.34 min Scan# 1342  
Delta R.T. 0.00 min  
Lab File: VX011566.D  
Acq: 15 Aug 2019 18:51

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 164     | 100   | 208551 |       |       |
| 166     | 130.9 |        | 104.7 | 157.1 |
| 129     | 85.3  |        | 68.2  | 102.4 |
| 131     | 84.1  |        | 67.3  | 100.9 |





#65

Chlorobenzene

Concen: 51.508 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. 0.00 min

Lab File: VX011566.D

Acq: 15 Aug 2019 18:51

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICCC050

Tot Ion:112 Resp: 546488

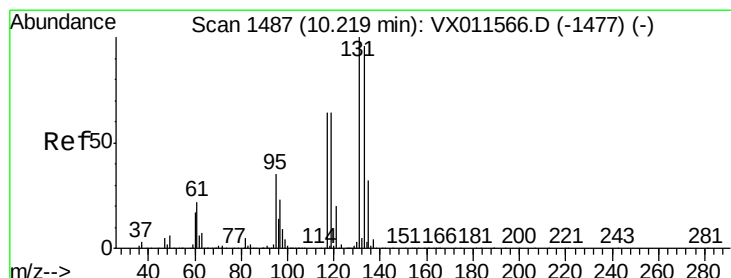
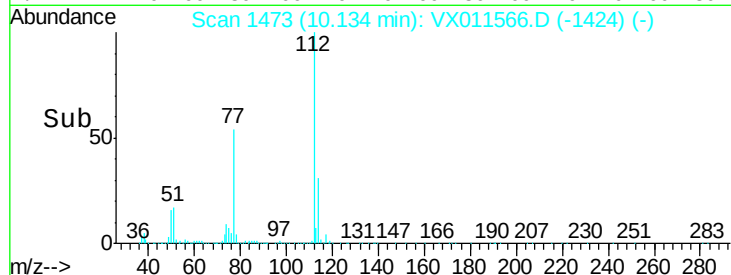
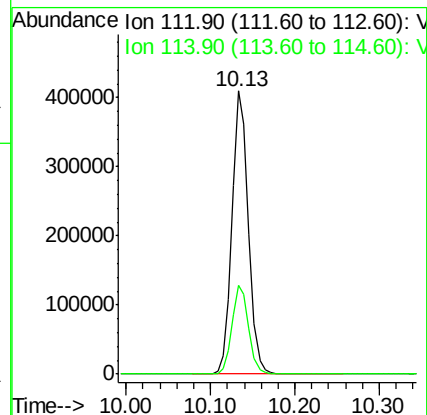
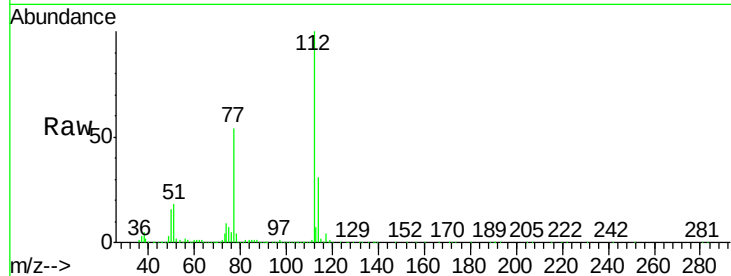
Ion Ratio Lower Upper

112 100

114 31.3 25.0 37.6

Manual Integrations  
APPROVED

MMDadoda  
8/16/2019 8:29:30 AM



#66

1,1,1,2-Tetrachloroethane

Concen: 56.112 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX011566.D

Acq: 15 Aug 2019 18:51

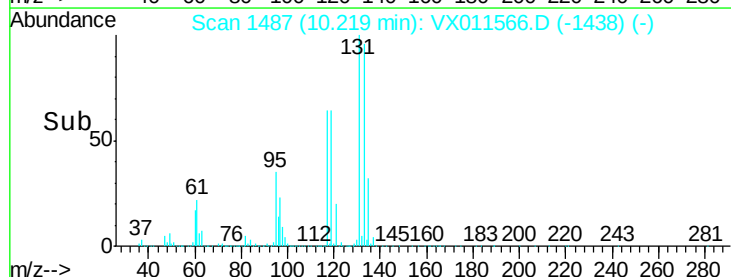
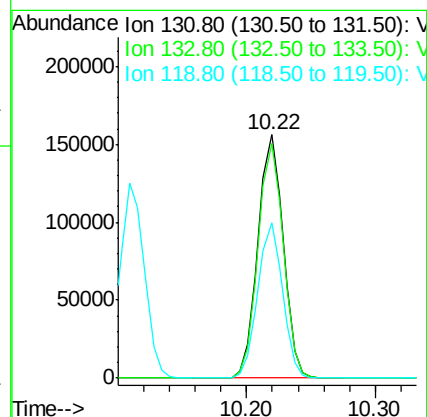
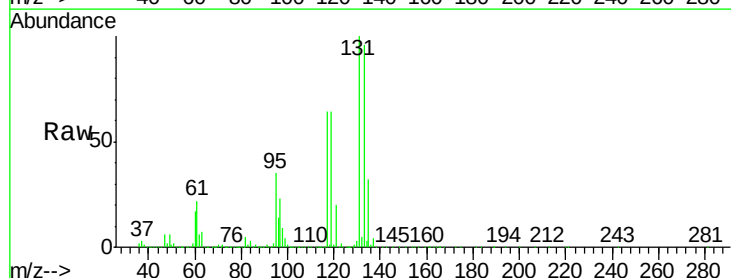
Tgt Ion:131 Resp: 210356

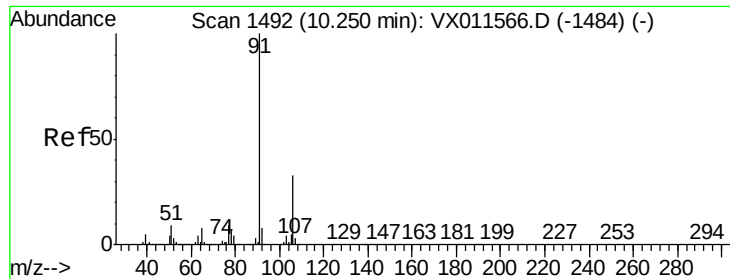
Ion Ratio Lower Upper

131 100

133 96.3 48.1 144.4

119 62.5 31.3 93.8





#67

Ethyl Benzene

Concen: 51.336 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX011566.D

Acq: 15 Aug 2019 18:51

Instrument :

MSVOA\_X

ClientSampled :

VSTDICCC050

Tot Ion: 91 Resp: 919713

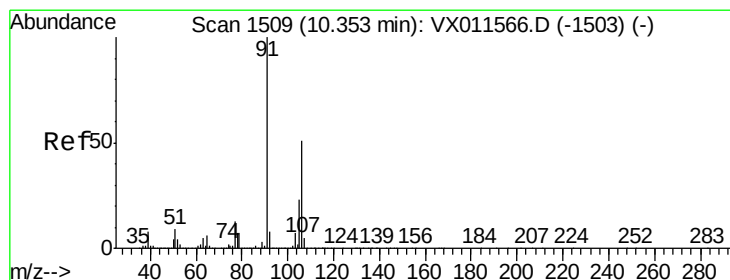
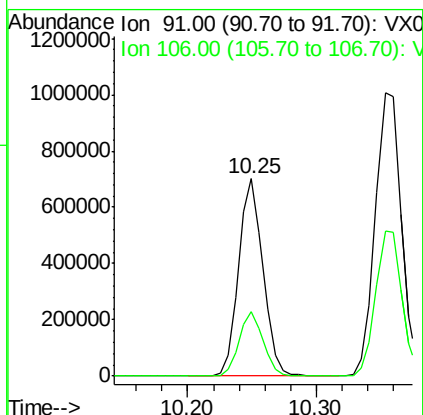
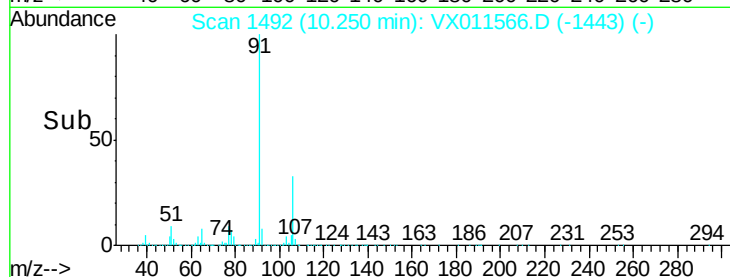
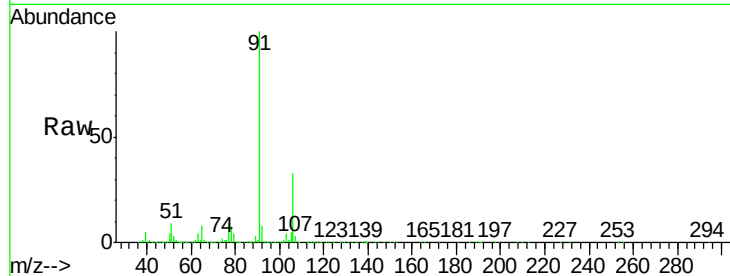
Ion Ratio Lower Upper

91 100

106 32.5 26.0 39.0

Manual Integrations  
APPROVED

MMDadoda  
8/16/2019 8:29:30 AM



#68

m/p-Xylenes

Concen: 104.488 ug/l

RT: 10.35 min Scan# 1509

Delta R.T. 0.00 min

Lab File: VX011566.D

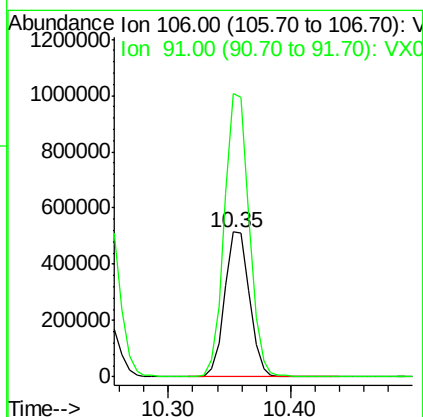
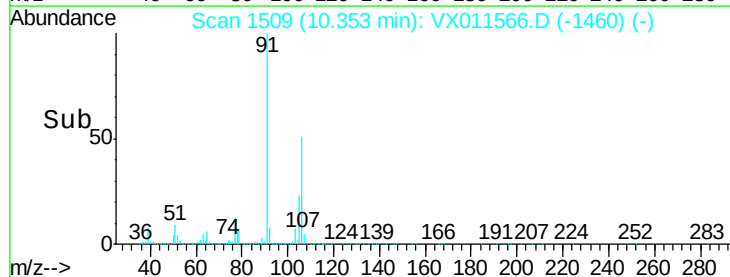
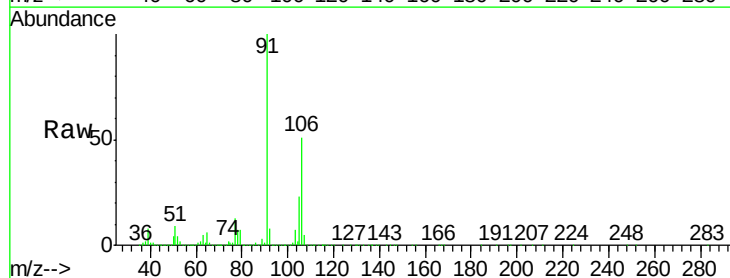
Acq: 15 Aug 2019 18:51

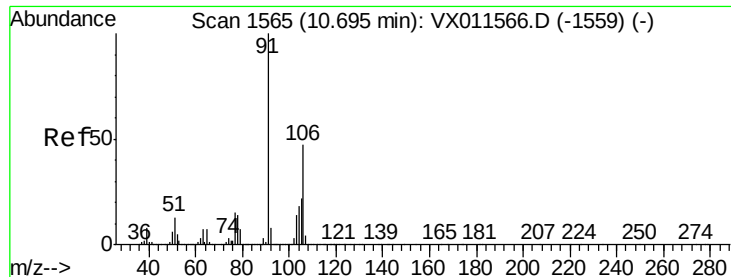
Tgt Ion: 106 Resp: 720631

Ion Ratio Lower Upper

106 100

91 195.0 156.0 234.0





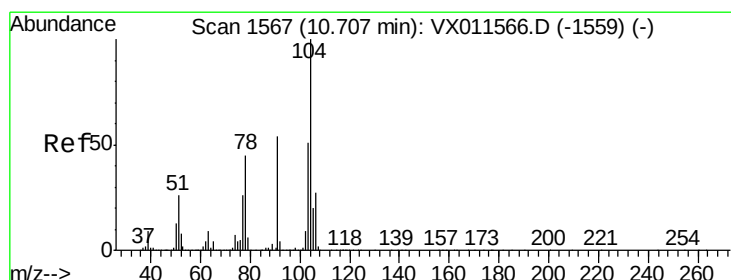
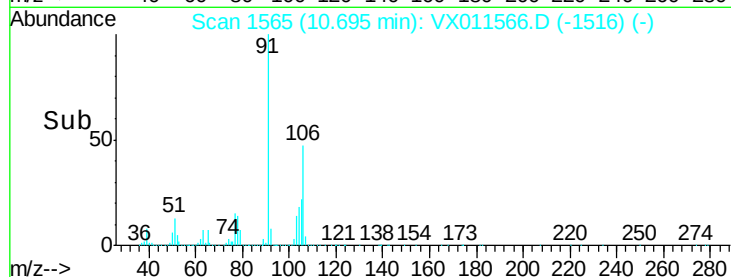
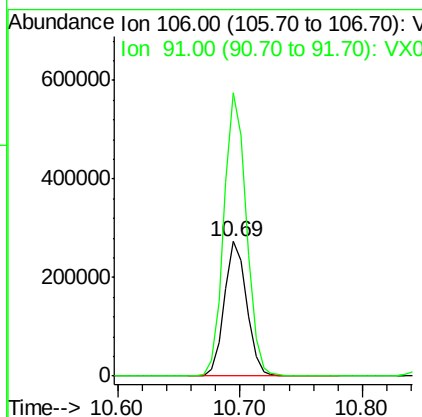
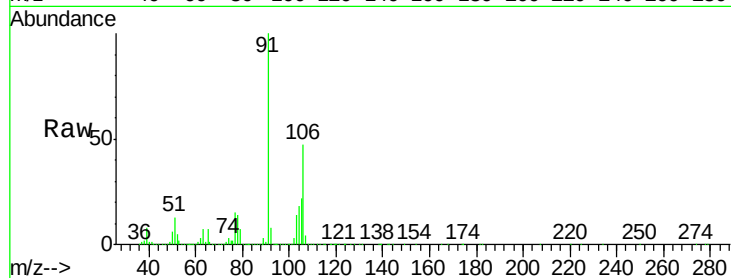
#69  
o-Xylene  
Concen: 51.564 ug/l  
RT: 10.69 min Scan# 1565  
Delta R.T. 0.00 min  
Lab File: VX011566.D  
Acq: 15 Aug 2019 18:51

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC050

| Tot Ion | Ion   | Ratio | Resp   | Lower | Upper |
|---------|-------|-------|--------|-------|-------|
| 106     | 100   |       |        |       |       |
| 91      | 210.9 | 105.5 | 345913 | 316.4 |       |

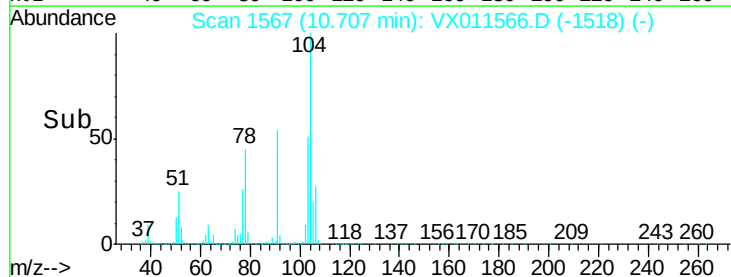
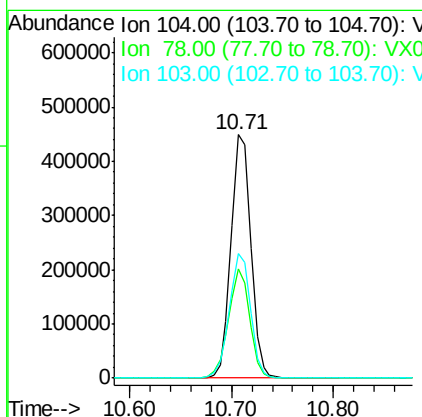
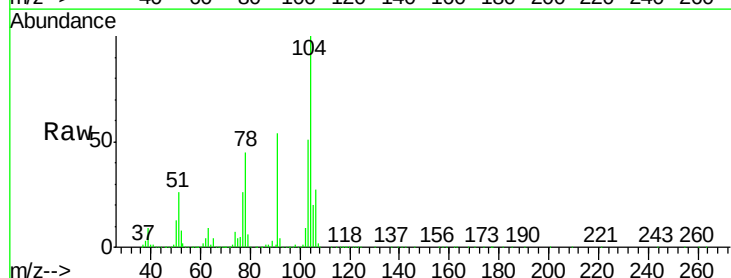
Manual Integrations  
APPROVED

MMDadoda  
8/16/2019 8:29:30 AM

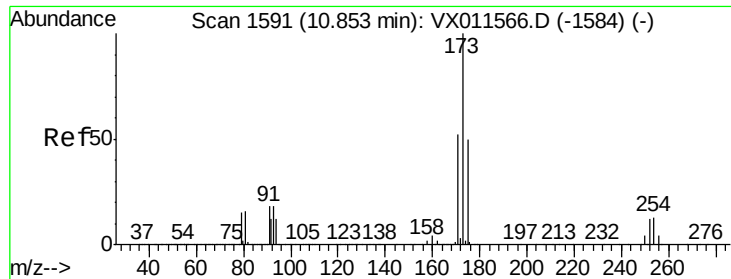


#70  
Styrene  
Concen: 53.730 ug/l  
RT: 10.71 min Scan# 1567  
Delta R.T. 0.00 min  
Lab File: VX011566.D  
Acq: 15 Aug 2019 18:51

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 104     | 100  |       |        |       |       |
| 78      | 47.8 | 38.2  | 602436 | 57.4  |       |
| 103     | 54.5 | 43.6  |        | 65.4  |       |







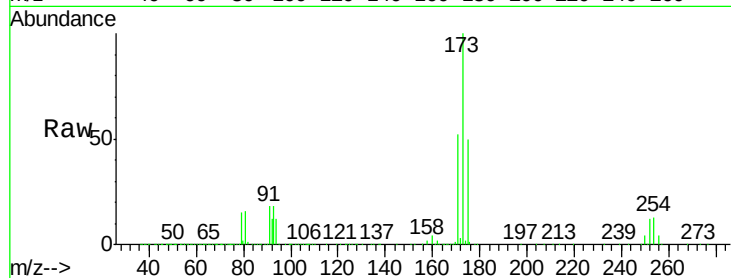
#71  
Bromoform  
Concen: 60.217 ug/l  
RT: 10.85 min Scan# 1591  
Delta R.T. 0.00 min  
Lab File: VX011566.D  
Acq: 15 Aug 2019 18:51

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC050

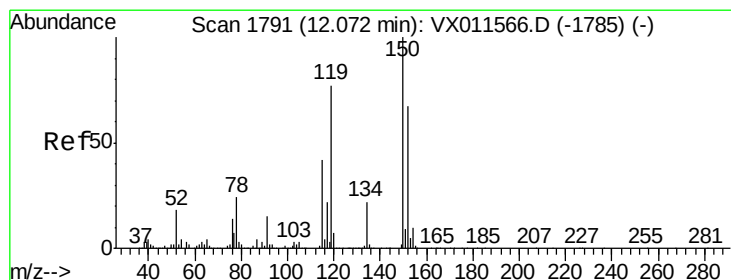
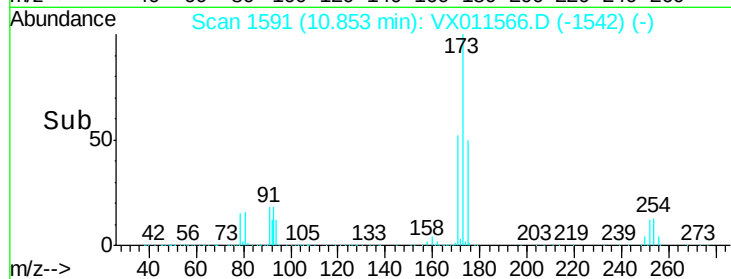
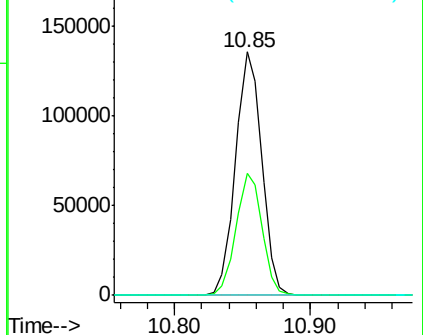
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 173     | 100   |       |       |
| 175     | 49.8  | 24.9  | 74.7  |
| 254     | 0.1   | 0.1   | 0.1   |

Manual Integrations  
APPROVED

MMDadoda  
8/16/2019 8:29:30 AM

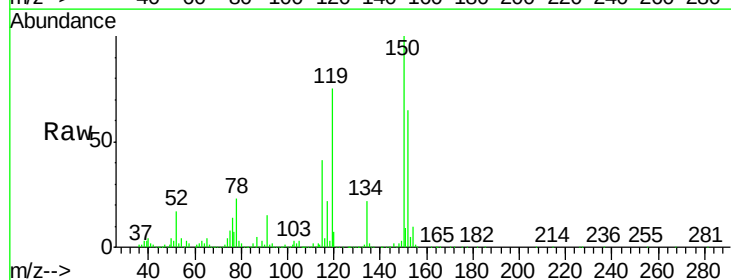


Abundance Ion 172.70 (172.40 to 173.40): V  
Ion 174.70 (174.40 to 175.40): V  
Ion 254.40 (254.10 to 255.10): V

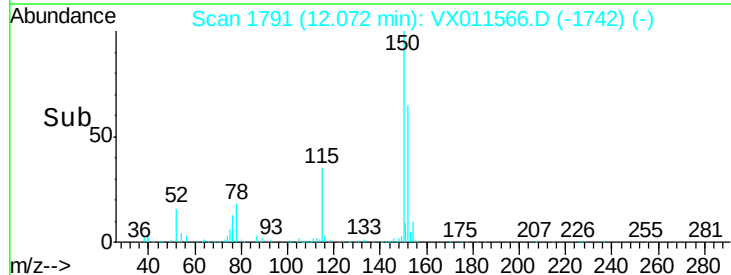
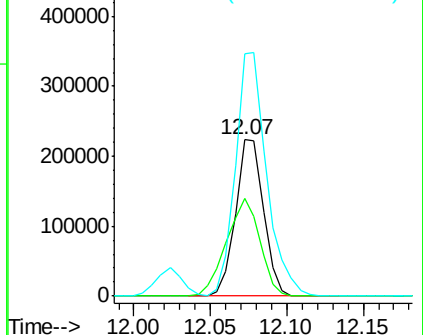


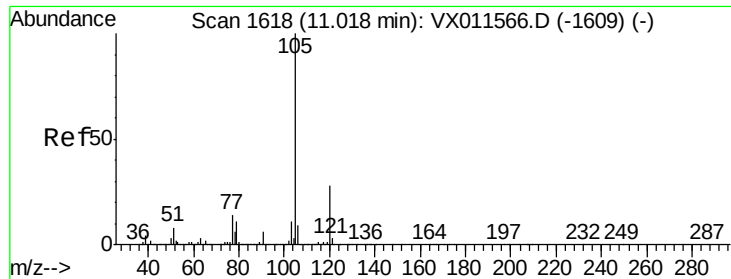
#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.07 min Scan# 1791  
Delta R.T. 0.00 min  
Lab File: VX011566.D  
Acq: 15 Aug 2019 18:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 74.6  | 37.3  | 111.9 |
| 150     | 173.1 | 0.0   | 346.2 |



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: 48.604 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX011566.D

Acq: 15 Aug 2019 18:51

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICCC050

Tot Ion:105 Resp: 930969

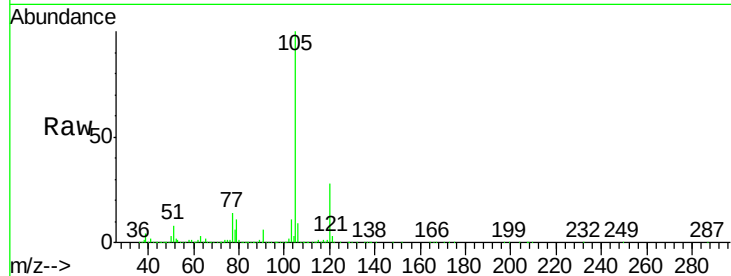
Ion Ratio Lower Upper

105 100

120 27.9 14.0 41.9

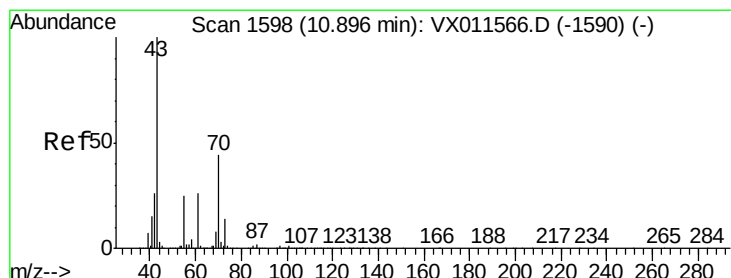
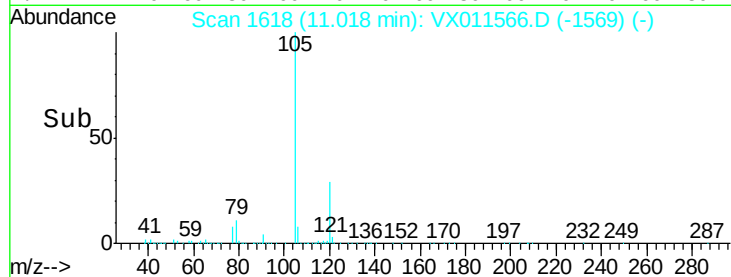
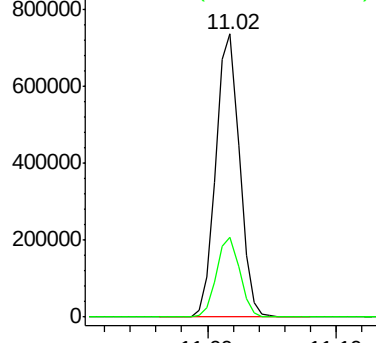
Manual Integrations  
APPROVED

MMDadoda  
8/16/2019 8:29:30 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 53.365 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX011566.D

Acq: 15 Aug 2019 18:51

Tgt Ion: 43 Resp: 394008

Ion Ratio Lower Upper

43 100

70 43.4 34.7 52.1

55 24.5 19.6 29.4

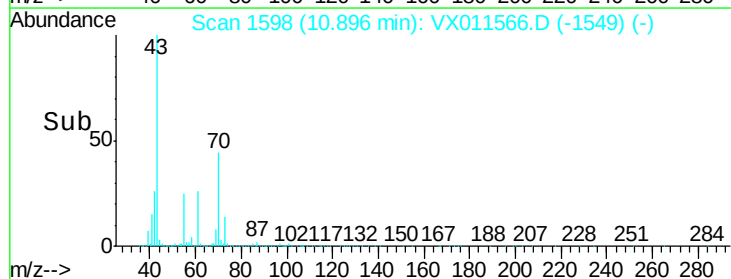
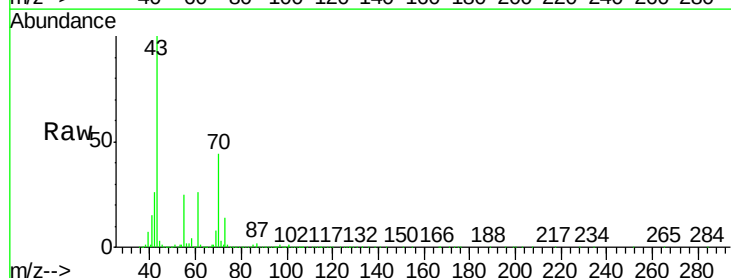
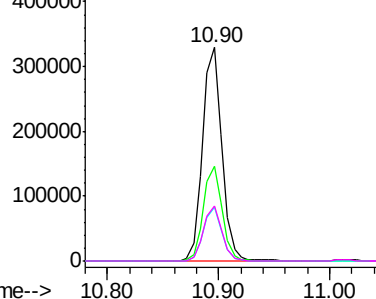
61 24.9 19.9 29.9

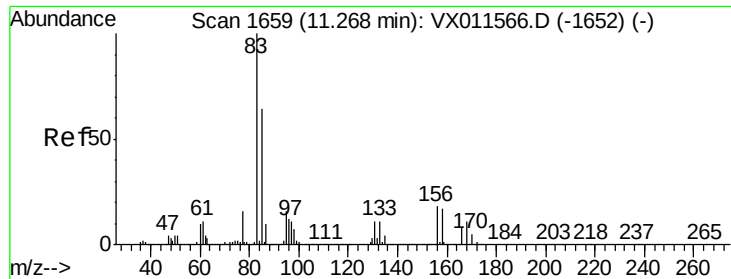
Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 50.202 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX011566.D

Acq: 15 Aug 2019 18:51

Instrument :

MSVOA\_X

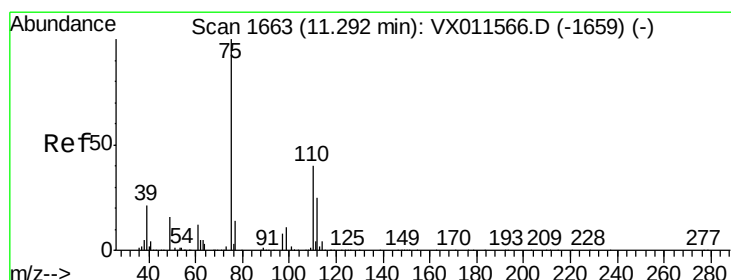
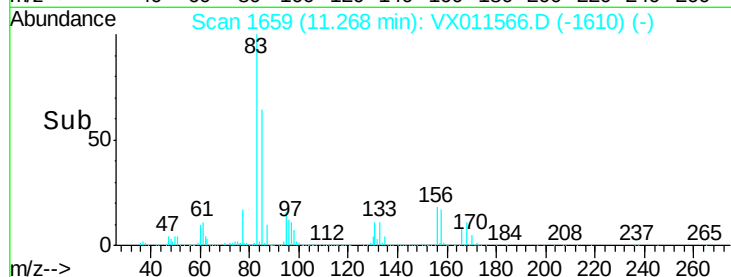
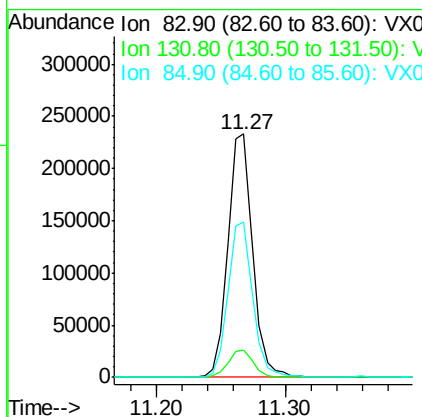
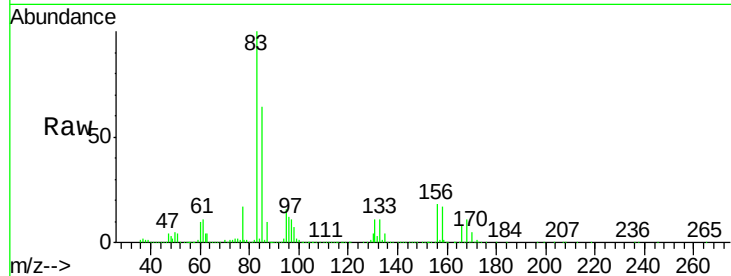
ClientSampleId :

VSTDICCC050

|           |      |       |        |
|-----------|------|-------|--------|
| Tot Ion:  | 83   | Resp: | 315759 |
| Ion Ratio |      | Lower | Upper  |
| 83        | 100  |       |        |
| 131       | 11.5 | 5.8   | 17.3   |
| 85        | 63.9 | 31.9  | 95.9   |

Manual Integrations  
APPROVED

MMDadoda  
8/16/2019 8:29:30 AM



#76

1,2,3-Trichloropropane

Concen: 52.913 ug/l m

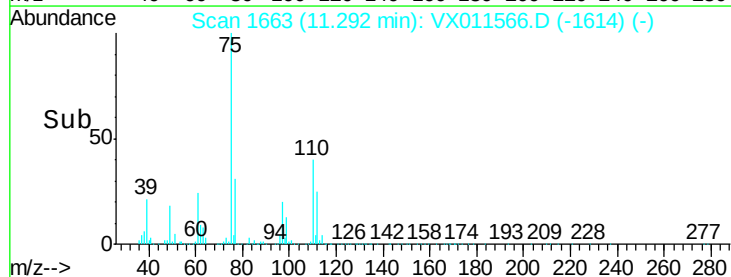
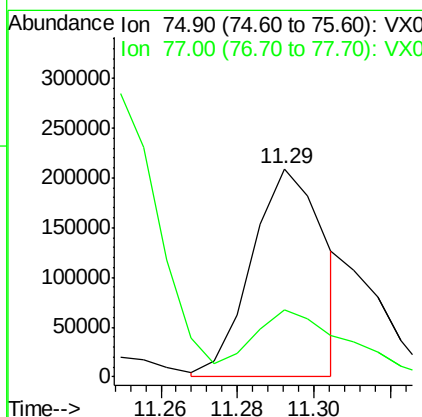
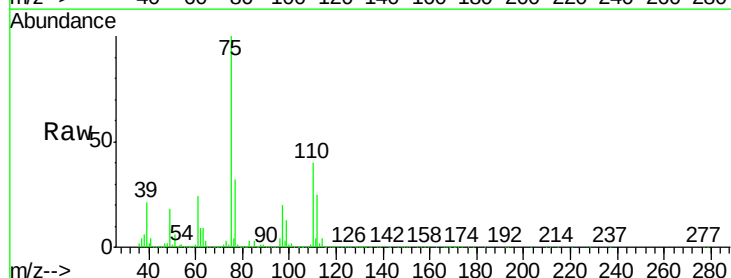
RT: 11.29 min Scan# 1663

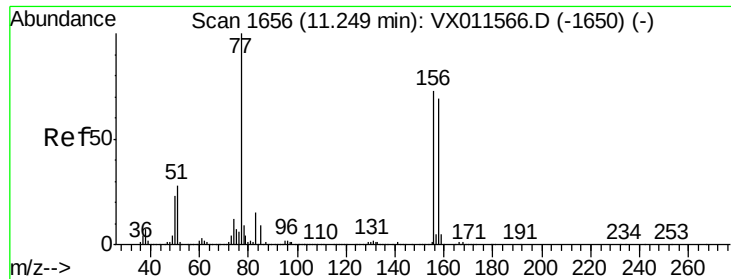
Delta R.T. 0.00 min

Lab File: VX011566.D

Acq: 15 Aug 2019 18:51

|           |      |       |        |
|-----------|------|-------|--------|
| Tgt Ion:  | 75   | Resp: | 273957 |
| Ion Ratio |      | Lower | Upper  |
| 75        | 100  |       |        |
| 77        | 41.9 | 20.9  | 62.8   |





#77

Bromobenzene

Concen: 51.285 ug/l

RT: 11.25 min Scan# 1656

Delta R.T. 0.00 min

Lab File: VX011566.D

Acq: 15 Aug 2019 18:51

Instrument :

MSVOA\_X

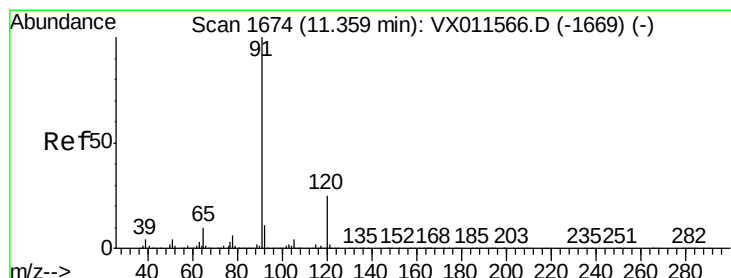
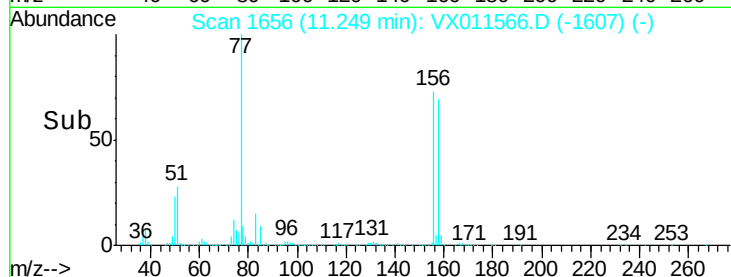
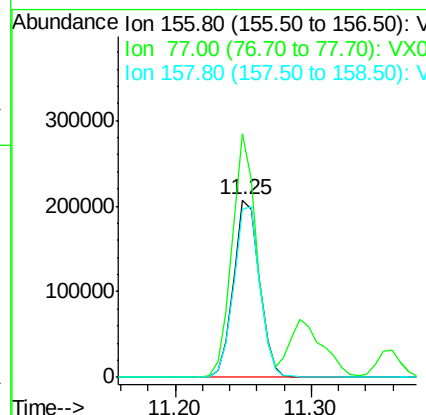
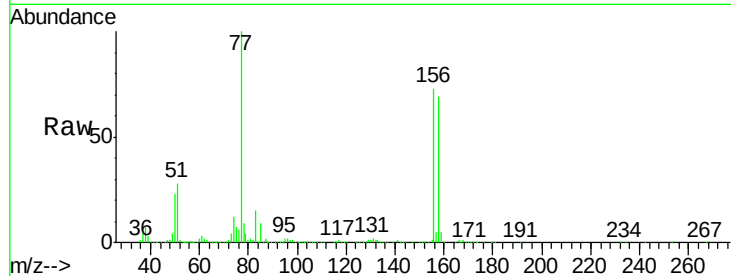
ClientSampleId :

VSTDICCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 156     | 100   |       |       |
| 77      | 129.3 | 64.6  | 193.9 |
| 158     | 96.9  | 48.4  | 145.3 |

Manual Integrations  
APPROVED

MMDadoda  
8/16/2019 8:29:30 AM



#78

n-propylbenzene

Concen: 48.771 ug/l

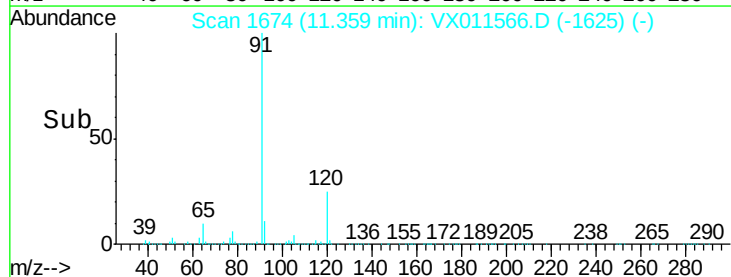
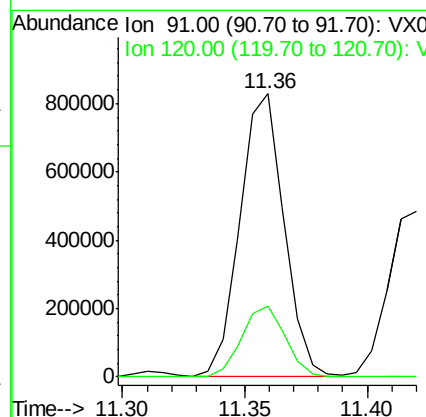
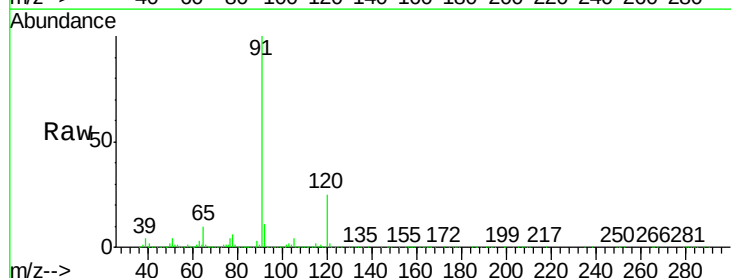
RT: 11.36 min Scan# 1674

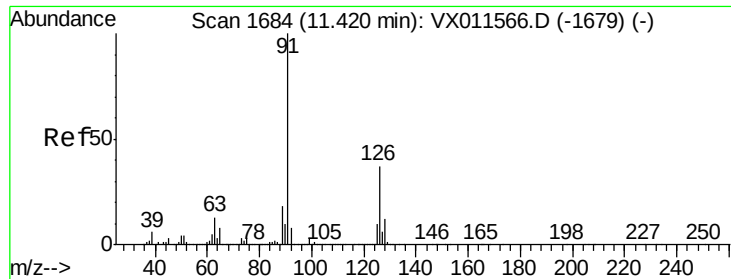
Delta R.T. 0.00 min

Lab File: VX011566.D

Acq: 15 Aug 2019 18:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 120     | 25.1  | 12.6  | 37.6  |





#79

2-Chlorotoluene

Concen: 49.084 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX011566.D

Acq: 15 Aug 2019 18:51

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICCC050

Tot Ion: 91 Resp: 624444

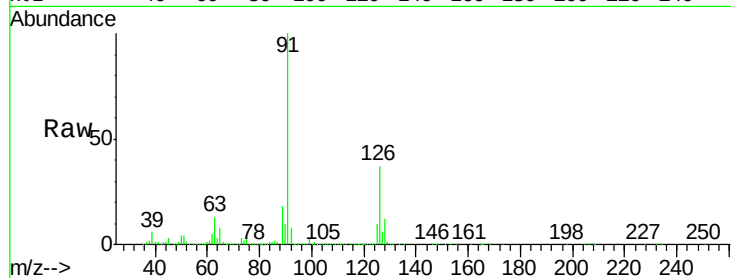
Ion Ratio Lower Upper

91 100

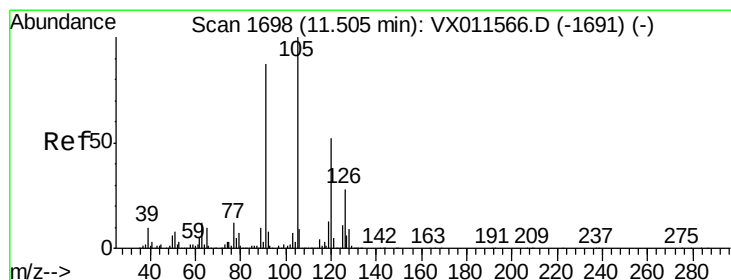
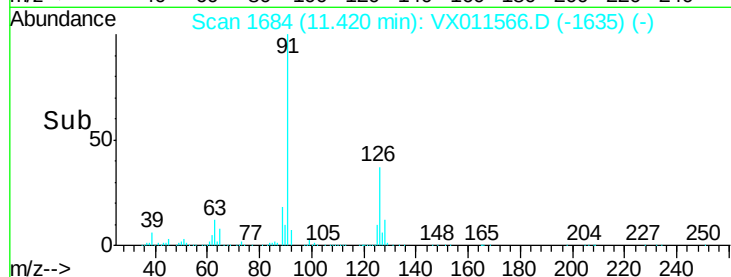
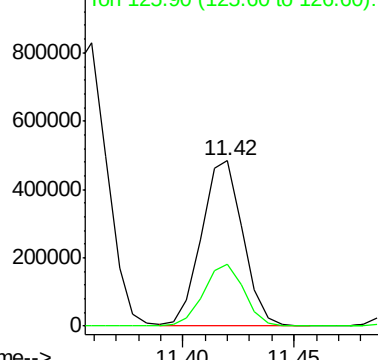
126 36.7 18.4 55.0

Manual Integrations  
APPROVED

MMDadoda  
8/16/2019 8:29:30 AM



Abundance Ion 91.00 (90.70 to 91.70): VX011566.D (-1679) (-)



#80

1,3,5-Trimethylbenzene

Concen: 49.810 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX011566.D

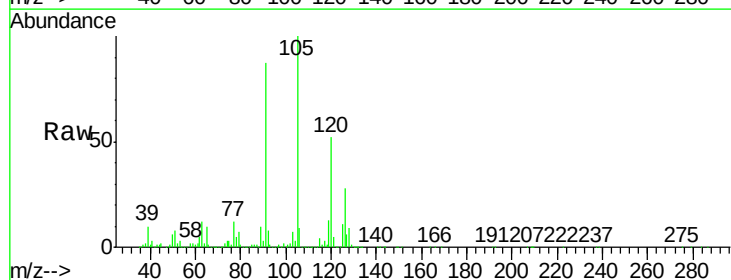
Acq: 15 Aug 2019 18:51

Tgt Ion: 105 Resp: 796486

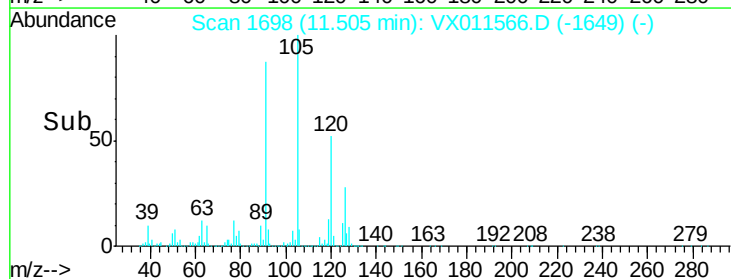
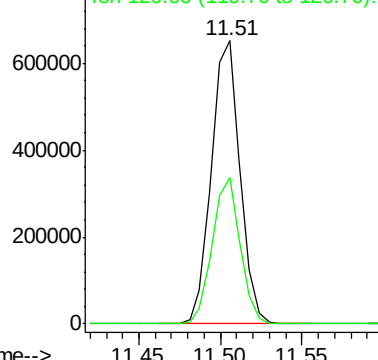
Ion Ratio Lower Upper

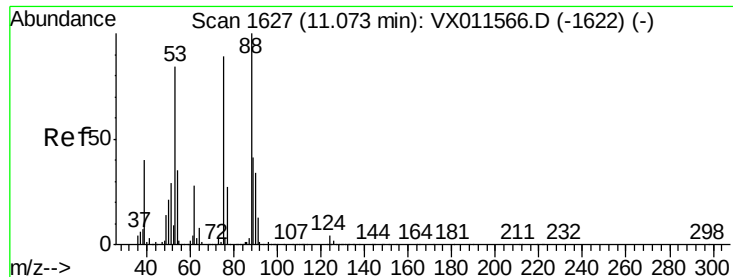
105 100

120 50.5 25.3 75.8



Abundance Ion 105.00 (104.70 to 105.70): VX011566.D (-1691) (-)





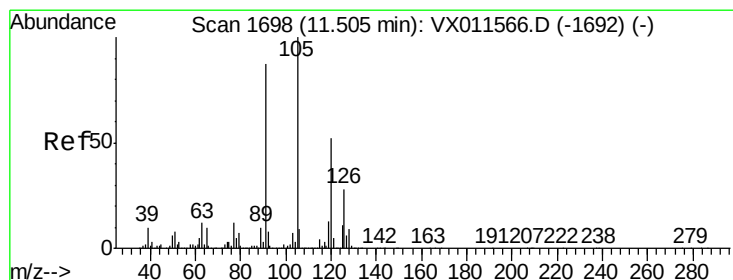
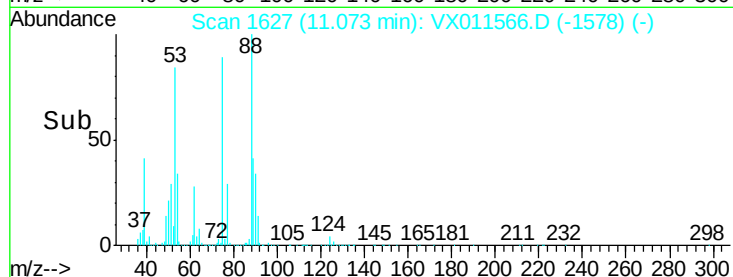
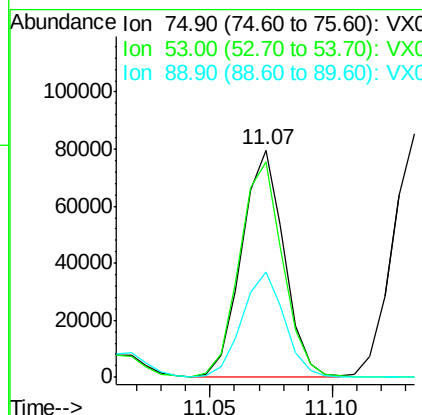
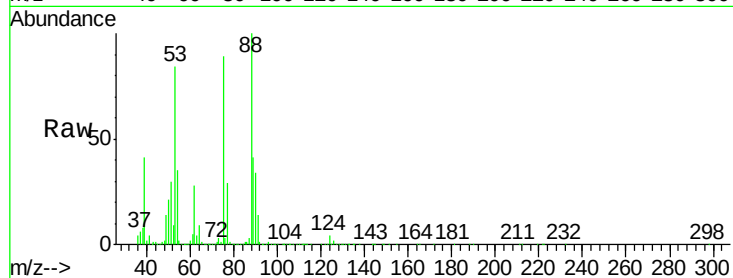
#81  
trans-1,4-Dichloro-2-butene  
Concen: 51.025 ug/l  
RT: 11.07 min Scan# 1627  
Delta R.T. 0.00 min  
Lab File: VX011566.D  
Acq: 15 Aug 2019 18:51

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 53      | 96.7  | 77.4  | 116.0 |
| 89      | 46.6  | 37.3  | 55.9  |

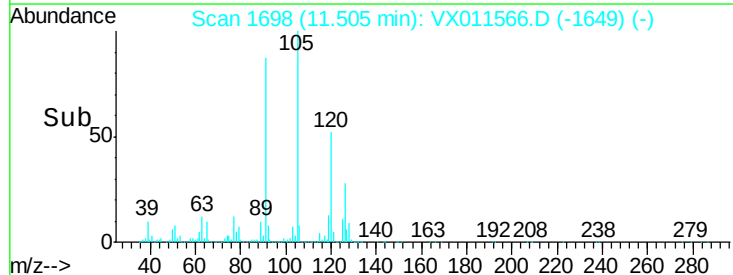
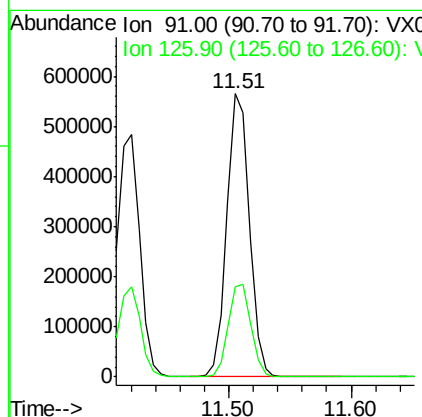
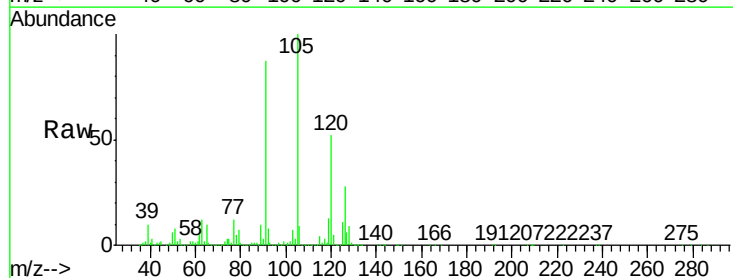
Manual Integrations  
APPROVED

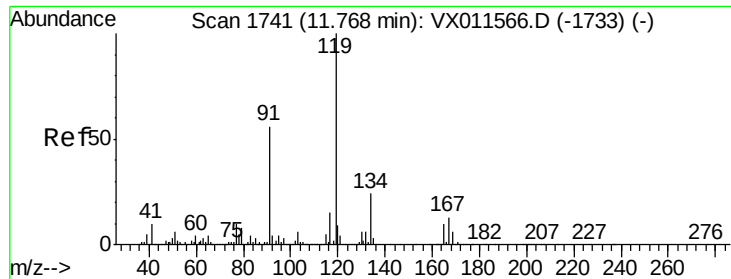
MMDadoda  
8/16/2019 8:29:30 AM



#82  
4-Chlorotoluene  
Concen: 48.679 ug/l  
RT: 11.51 min Scan# 1698  
Delta R.T. 0.00 min  
Lab File: VX011566.D  
Acq: 15 Aug 2019 18:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 126     | 32.7  | 16.4  | 49.1  |





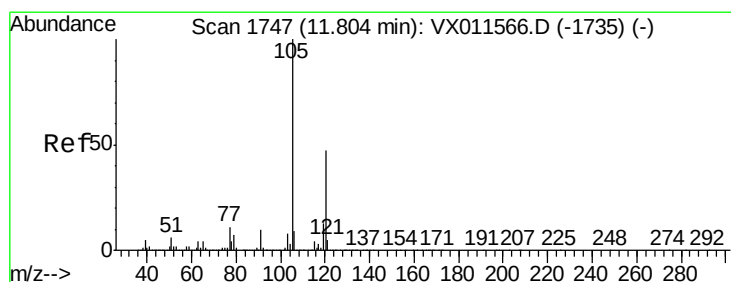
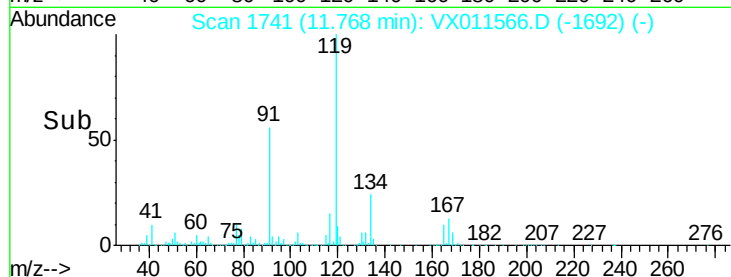
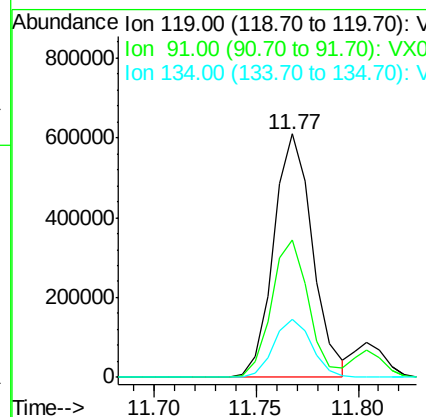
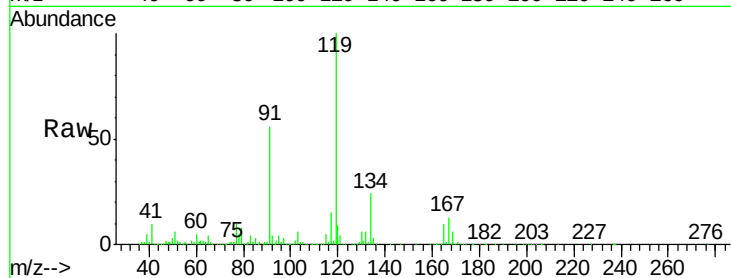
#83  
 tert-Butylbenzene  
 Concen: 51.179 ug/l  
 RT: 11.77 min Scan# 1741  
 Delta R.T. 0.00 min  
 Lab File: VX011566.D  
 Acq: 15 Aug 2019 18:51

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 119     | 100   | 809237 |       |       |
| 91      | 54.2  | 27.1   | 81.3  |       |
| 134     | 23.5  | 11.8   | 35.3  |       |

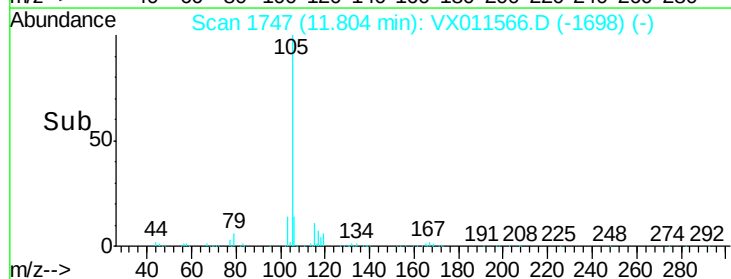
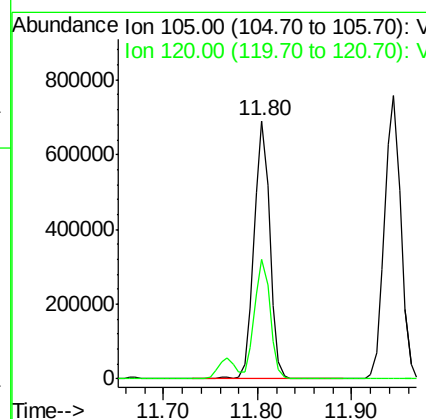
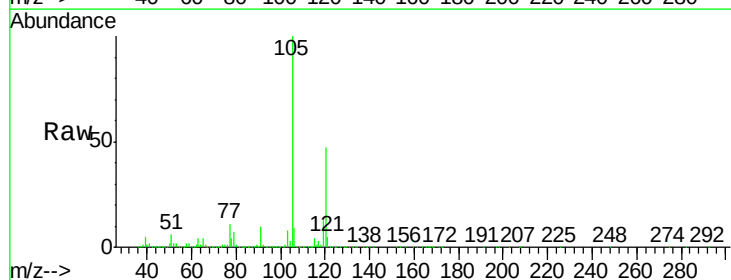
Manual Integrations  
 APPROVED

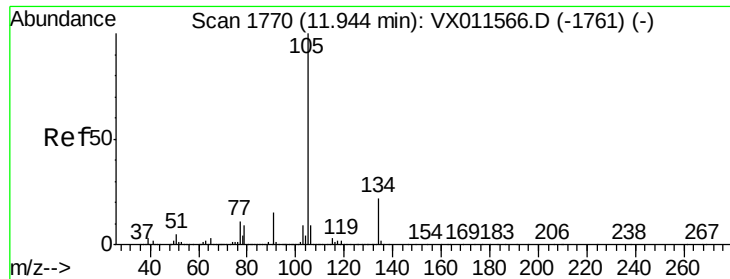
MMDadoda  
 8/16/2019 8:29:30 AM



#84  
 1,2,4-Trimethylbenzene  
 Concen: 50.080 ug/l  
 RT: 11.80 min Scan# 1747  
 Delta R.T. 0.00 min  
 Lab File: VX011566.D  
 Acq: 15 Aug 2019 18:51

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 105     | 100   | 808455 |       |       |
| 120     | 46.6  | 23.3   | 69.9  |       |





#85

sec-Butylbenzene

Concen: 49.740 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX011566.D

Acq: 15 Aug 2019 18:51

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICCC050

Tot Ion:105 Resp: 914175

Ion Ratio Lower Upper

105 100

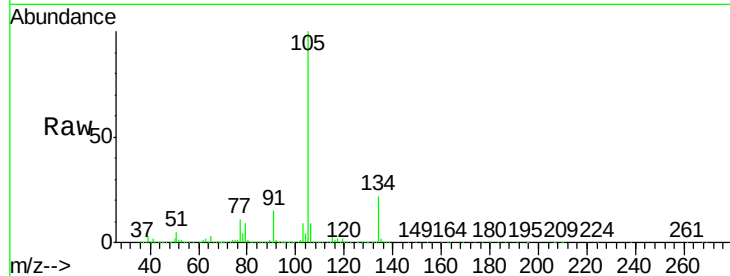
134 21.6 10.8 32.4

Manual Integrations

APPROVED

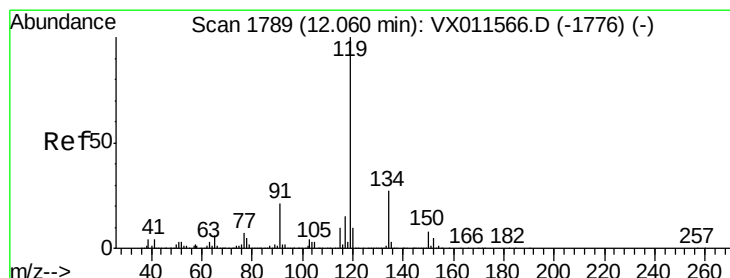
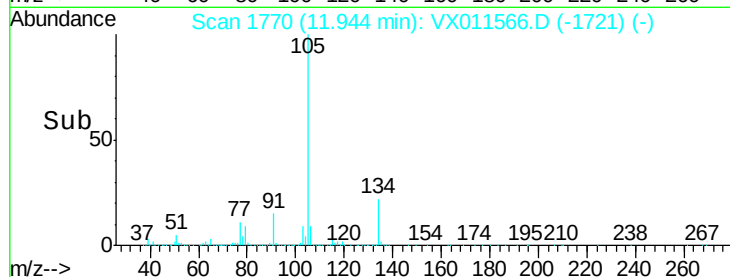
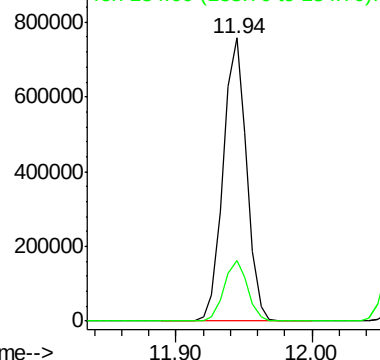
MMDadoda

8/16/2019 8:29:30 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 51.367 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX011566.D

Acq: 15 Aug 2019 18:51

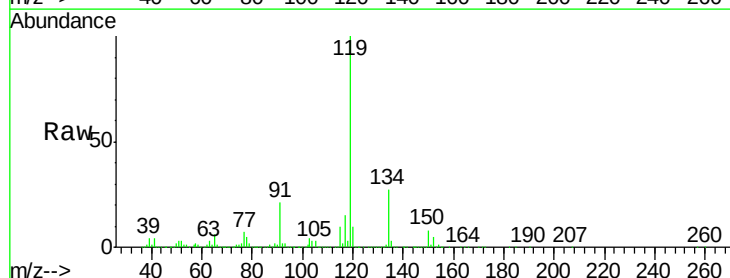
Tgt Ion:119 Resp: 877607

Ion Ratio Lower Upper

119 100

134 27.2 13.6 40.8

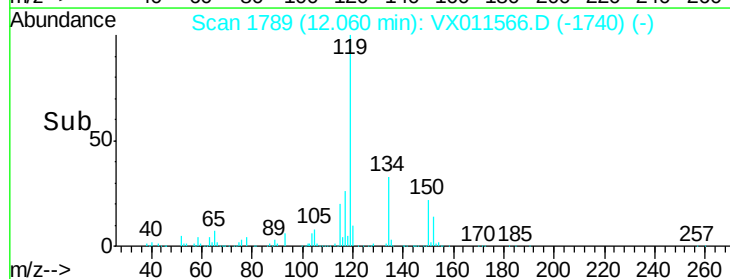
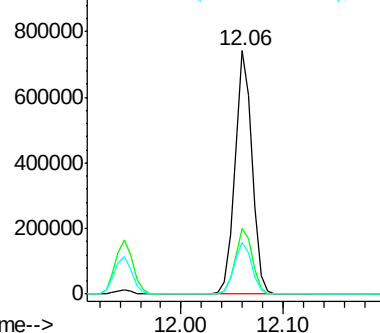
91 21.9 10.9 32.9



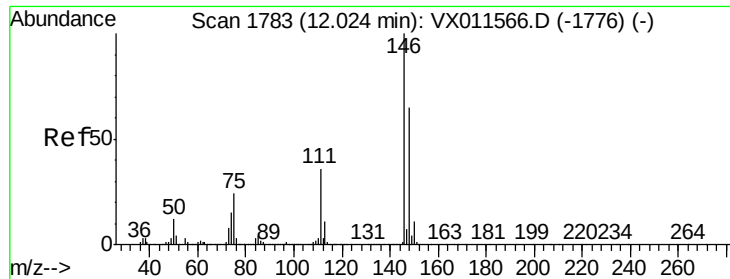
Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0







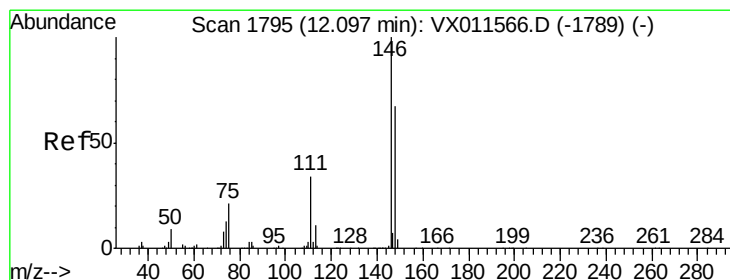
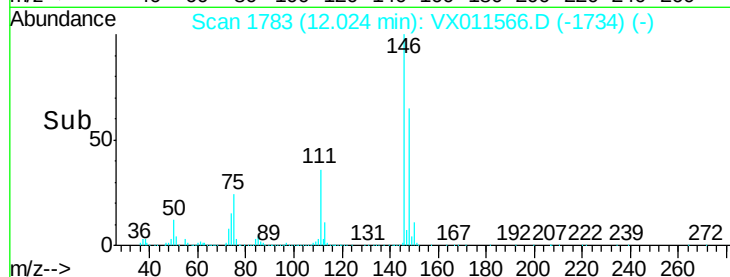
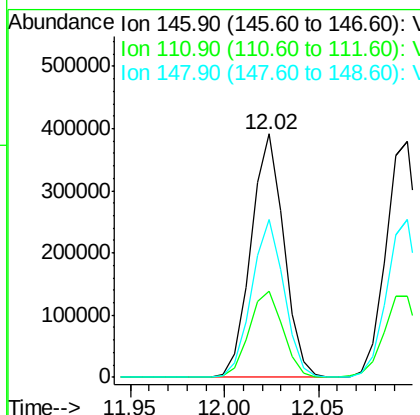
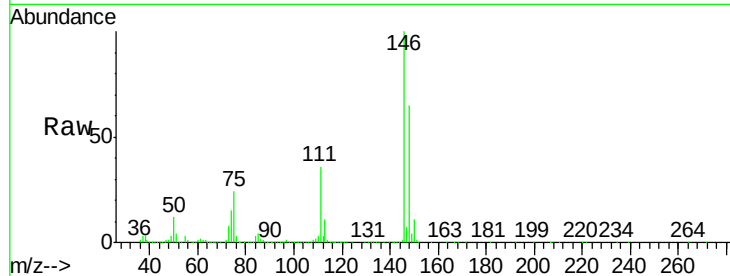
#87  
 1,3-Dichlorobenzene  
 Concen: 51.233 ug/l  
 RT: 12.02 min Scan# 1783  
 Delta R.T. 0.00 min  
 Lab File: VX011566.D  
 Acq: 15 Aug 2019 18:51

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 36.3  | 18.1  | 54.4  |
| 148     | 64.0  | 32.0  | 96.0  |

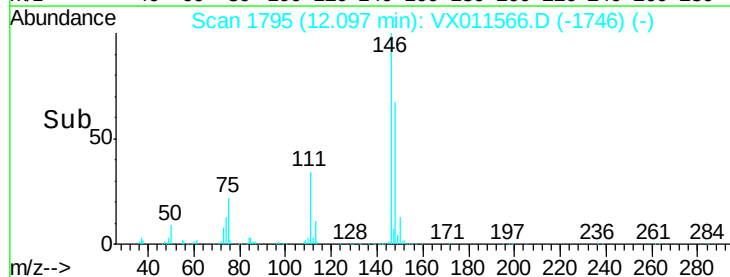
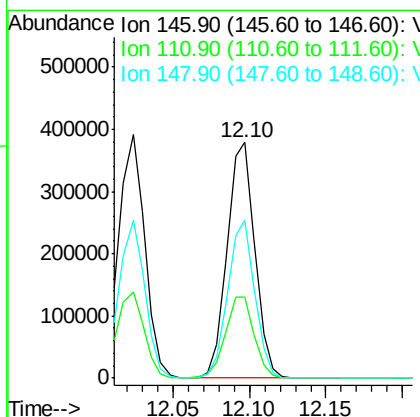
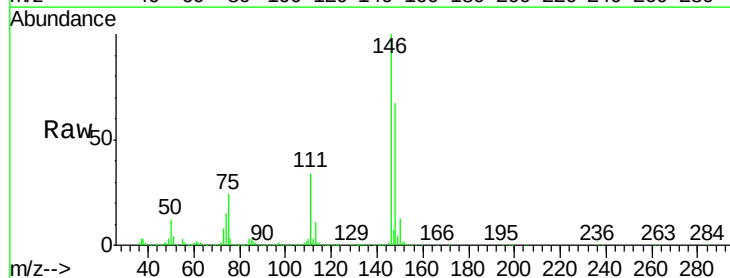
Manual Integrations  
 APPROVED

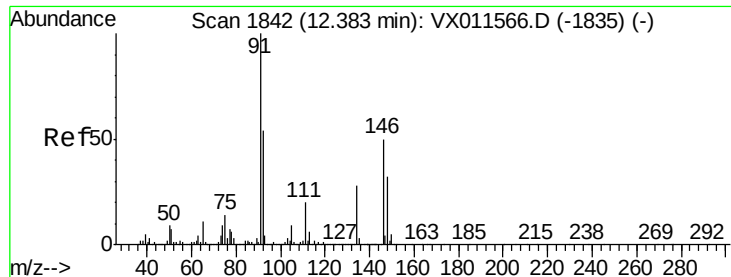
MMDadoda  
 8/16/2019 8:29:30 AM



#88  
 1,4-Dichlorobenzene  
 Concen: 50.165 ug/l  
 RT: 12.10 min Scan# 1795  
 Delta R.T. 0.00 min  
 Lab File: VX011566.D  
 Acq: 15 Aug 2019 18:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 35.8  | 17.9  | 53.7  |
| 148     | 65.0  | 32.5  | 97.5  |





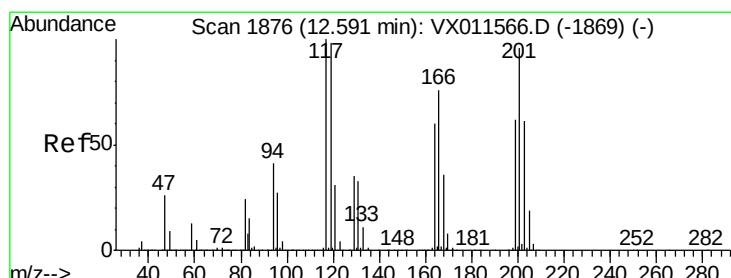
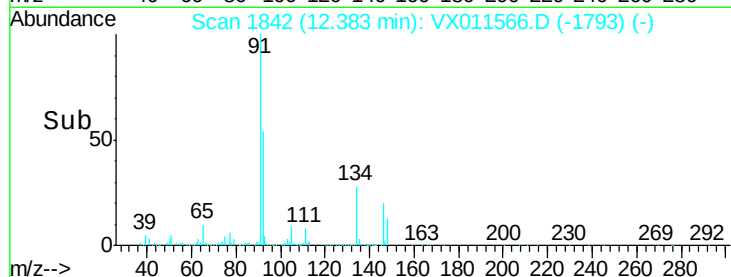
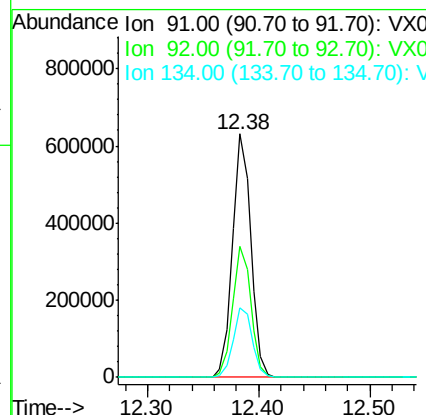
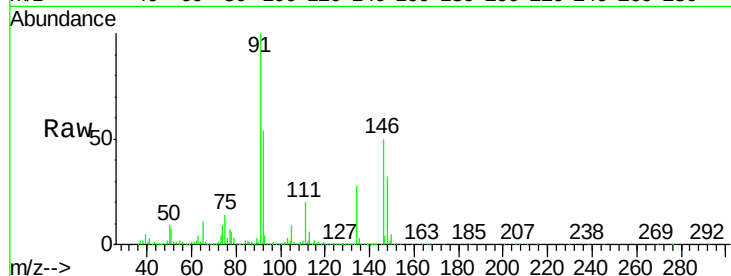
#89  
n-Butylbenzene  
Concen: 49.827 ug/l  
RT: 12.38 min Scan# 1842  
Delta R.T. 0.00 min  
Lab File: VX011566.D  
Acq: 15 Aug 2019 18:51

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 53.5  | 26.8  | 80.3  |
| 134     | 29.3  | 14.6  | 44.0  |

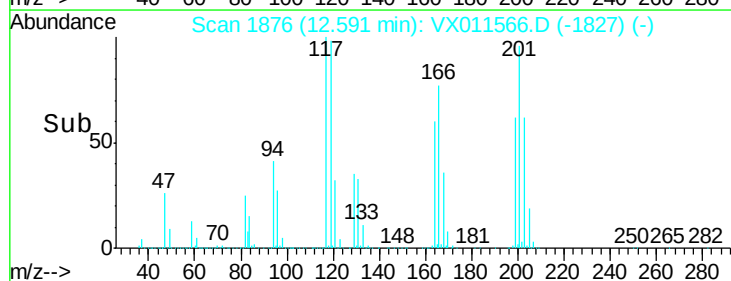
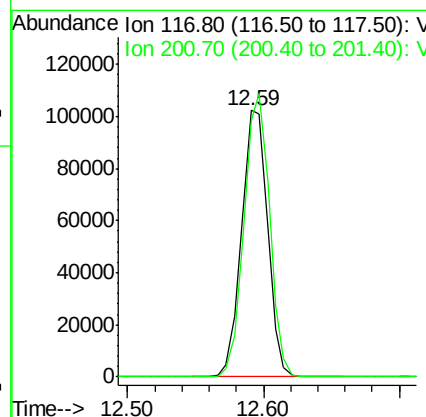
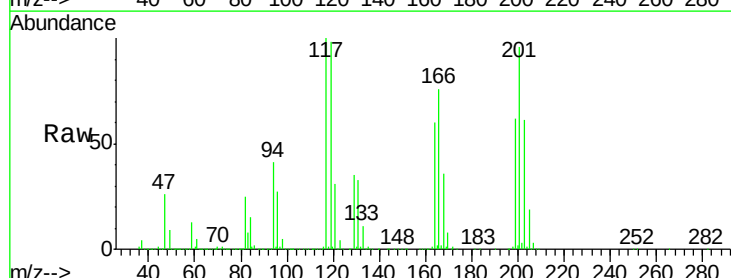
Manual Integrations  
APPROVED

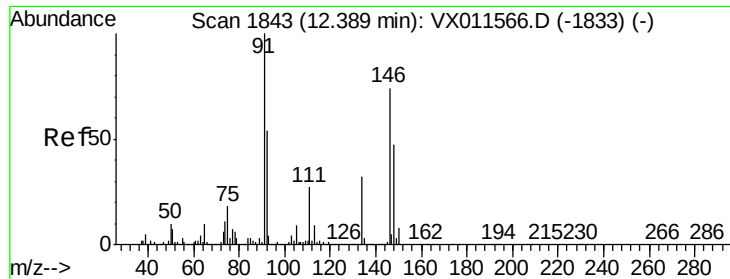
MMDadoda  
8/16/2019 8:29:30 AM



#90  
Hexachloroethane  
Concen: 50.877 ug/l  
RT: 12.59 min Scan# 1876  
Delta R.T. 0.00 min  
Lab File: VX011566.D  
Acq: 15 Aug 2019 18:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 103.8 | 51.9  | 155.7 |





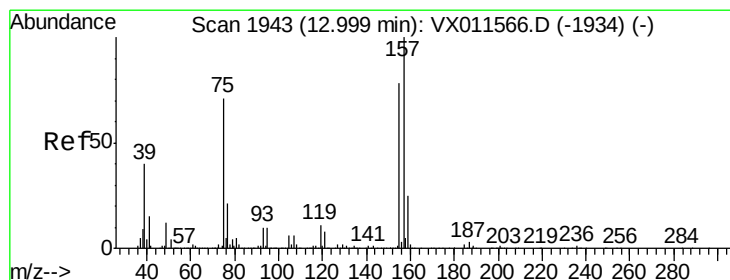
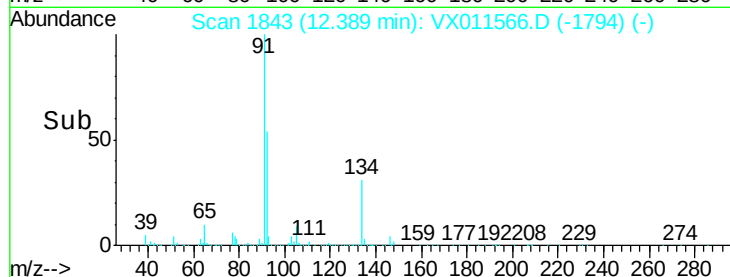
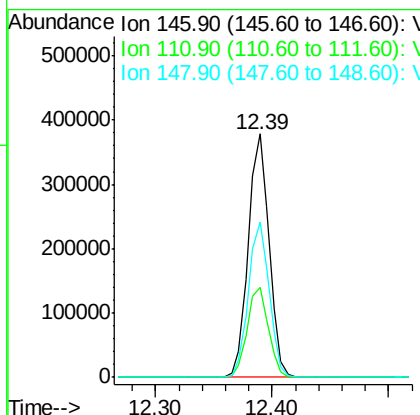
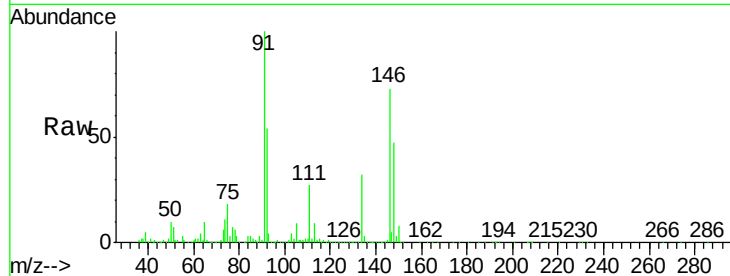
#91  
 1,2-Dichlorobenzene  
 Concen: 51.673 ug/l  
 RT: 12.39 min Scan# 1843  
 Delta R.T. 0.00 min  
 Lab File: VX011566.D  
 Acq: 15 Aug 2019 18:51

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 37.8  | 18.9  | 56.7  |
| 148     | 63.9  | 31.9  | 95.9  |

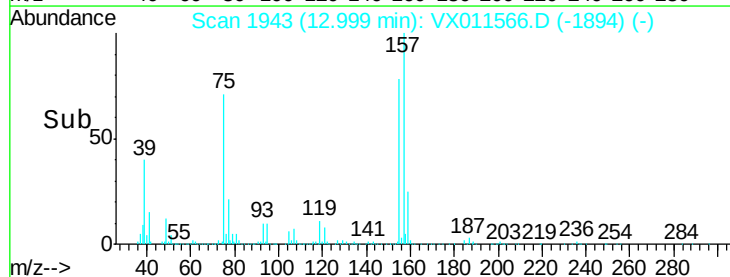
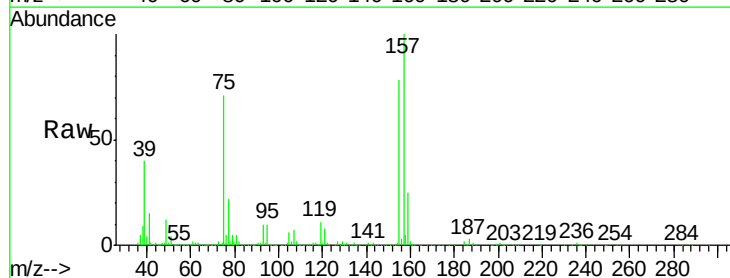
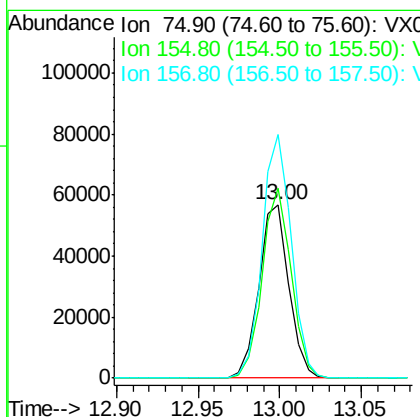
Manual Integrations  
 APPROVED

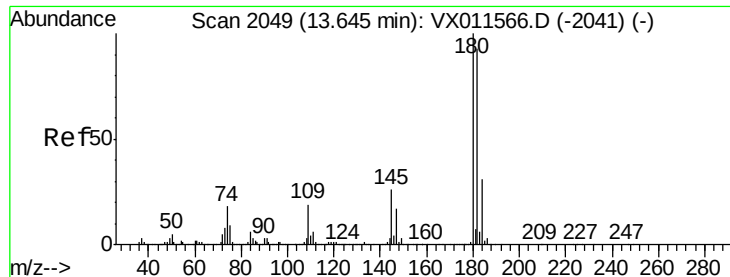
MMDadoda  
 8/16/2019 8:29:30 AM



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 54.294 ug/l  
 RT: 13.00 min Scan# 1943  
 Delta R.T. 0.00 min  
 Lab File: VX011566.D  
 Acq: 15 Aug 2019 18:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 106.0 | 53.0  | 159.0 |
| 157     | 136.7 | 68.3  | 205.1 |





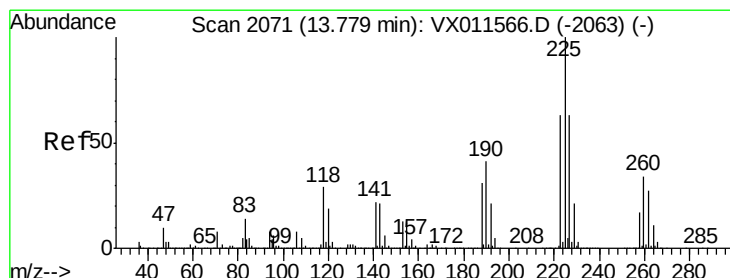
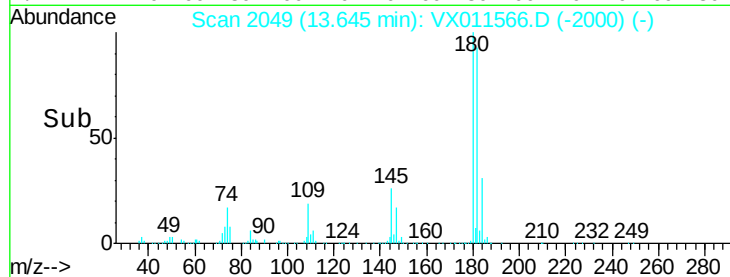
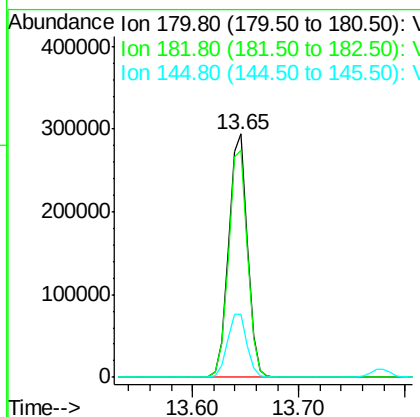
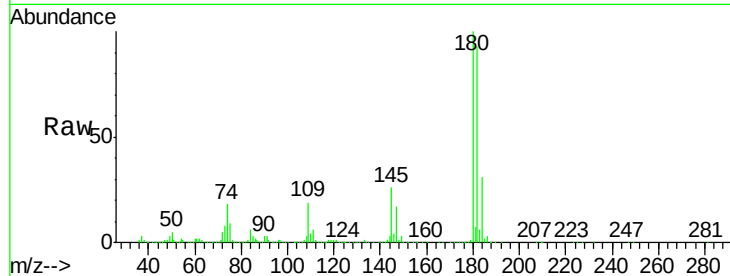
#93  
 1,2,4-Trichlorobenzene  
 Concen: 57.298 ug/l  
 RT: 13.65 min Scan# 2049  
 Delta R.T. 0.00 min  
 Lab File: VX011566.D  
 Acq: 15 Aug 2019 18:51

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICCC050

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 180     | 100   |      |       |       |
| 182     | 94.7  | 47.3 | 142.0 |       |
| 145     | 27.2  | 13.6 | 40.8  |       |

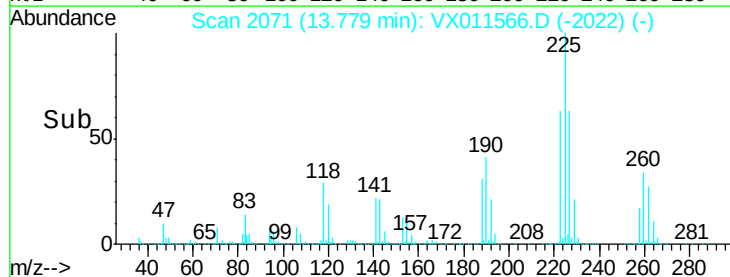
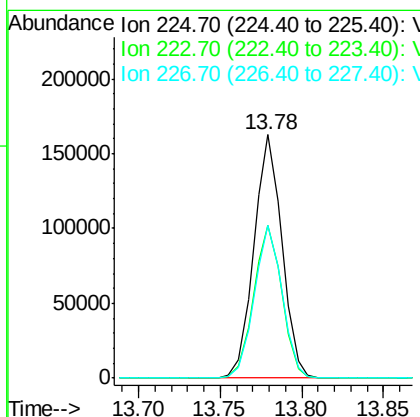
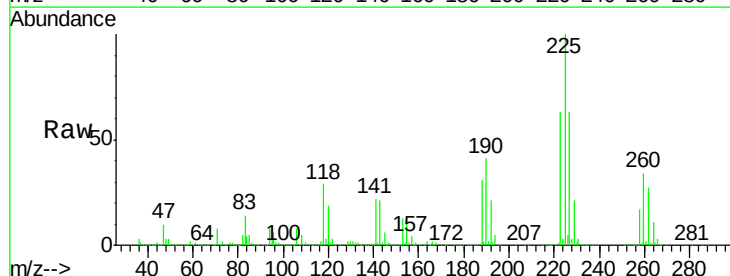
Manual Integrations  
 APPROVED

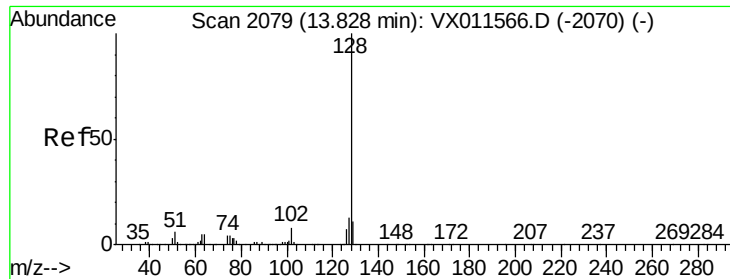
MMDadoda  
 8/16/2019 8:29:30 AM



#94  
 Hexachlorobutadiene  
 Concen: 60.863 ug/l  
 RT: 13.78 min Scan# 2071  
 Delta R.T. 0.00 min  
 Lab File: VX011566.D  
 Acq: 15 Aug 2019 18:51

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 225     | 100   |      |       |       |
| 223     | 62.7  | 31.4 | 94.0  |       |
| 227     | 62.4  | 31.2 | 93.6  |       |





#95

Naphthalene

Concen: 57.128 ug/l

RT: 13.83 min Scan# 2079

Delta R.T. 0.00 min

Lab File: VX011566.D

Acq: 15 Aug 2019 18:51

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICCC050

Tot Ion:128 Resp: 1062085

Ion Ratio Lower Upper

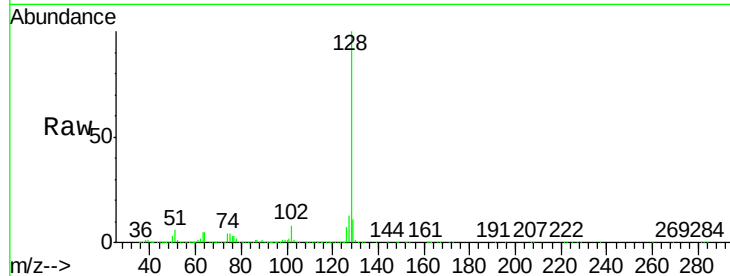
128 100

127 12.9 10.3 15.5

129 10.9 8.7 13.1

Manual Integrations  
APPROVED

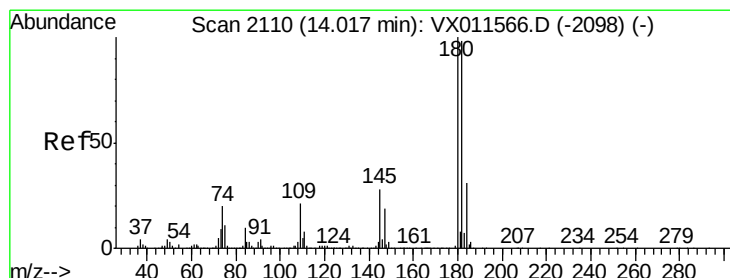
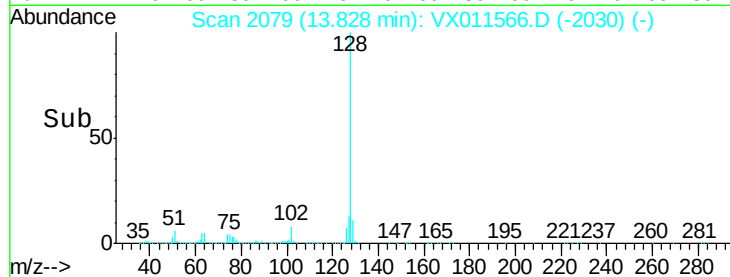
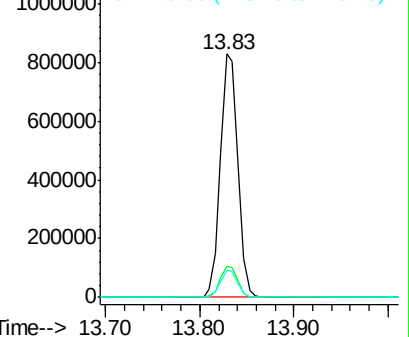
MMDadoda  
8/16/2019 8:29:30 AM



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: 57.983 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX011566.D

Acq: 15 Aug 2019 18:51

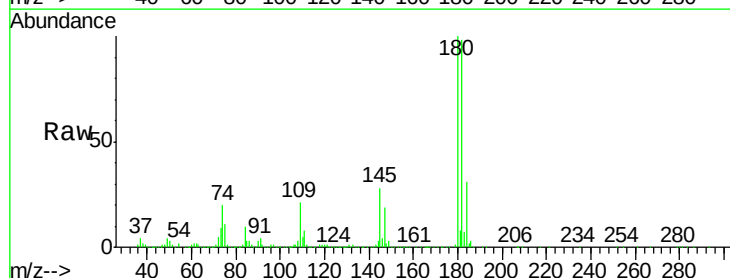
Tgt Ion:180 Resp: 366659

Ion Ratio Lower Upper

180 100

182 96.0 48.0 144.0

145 29.2 14.6 43.8



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

