

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_X\DATA\VX111718\  
 Data File : VX006064.D  
 Acq On : 17 Nov 2018 12:38  
 Operator : JC/MD  
 Sample : VX1117WBS01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX1117WBS01

Manual Integrations  
 APPROVED

MMDadoda  
 11/19/2018 9:24:38 AM

Quant Time: Nov 19 00:29:23 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X110718W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Nov 07 14:40:53 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.67  | 168  | 116933   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.86  | 114  | 166602   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.11 | 117  | 145046   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152  | 95870    | 50.00 | ug/l  | 0.00     |

|                             |        |     |          |       |         |       |
|-----------------------------|--------|-----|----------|-------|---------|-------|
| System Monitoring Compounds |        |     |          |       |         |       |
| 33) 1,2-Dichloroethane-d4   | 6.07   | 65  | 69062    | 51.37 | ug/l    | 0.00  |
| Spiked Amount               | 50.000 |     | Recovery | =     | 102.74% |       |
| 35) Dibromofluoromethane    | 5.49   | 113 | 57775    | 50.99 | ug/l    | -0.01 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 101.98% |       |
| 50) Toluene-d8              | 8.71   | 98  | 185313   | 49.19 | ug/l    | 0.00  |
| Spiked Amount               | 50.000 |     | Recovery | =     | 98.38%  |       |
| 62) 4-Bromofluorobenzene    | 11.14  | 95  | 68431    | 50.52 | ug/l    | 0.00  |
| Spiked Amount               | 50.000 |     | Recovery | =     | 101.04% |       |

| Target Compounds              |      |     |        |        |      | Qvalue |
|-------------------------------|------|-----|--------|--------|------|--------|
| 2) Dichlorodifluoromethane    | 1.20 | 85  | 18283  | 17.34  | ug/l | 99     |
| 3) Chloromethane              | 1.32 | 50  | 23556  | 17.02  | ug/l | 96     |
| 4) Vinyl Chloride             | 1.41 | 62  | 24752  | 17.82  | ug/l | 100    |
| 5) Bromomethane               | 1.64 | 94  | 12997  | 15.29  | ug/l | 100    |
| 6) Chloroethane               | 1.72 | 64  | 15760  | 19.02  | ug/l | 99     |
| 7) Trichlorofluoromethane     | 1.93 | 101 | 34006  | 18.44  | ug/l | 98     |
| 8) Diethyl Ether              | 2.19 | 74  | 14587  | 20.19  | ug/l | 96     |
| 9) 1,1,2-Trichlorotrifluoroet | 2.39 | 101 | 20351  | 19.19  | ug/l | 99     |
| 10) Methyl Iodide             | 2.51 | 142 | 21113  | 16.43  | ug/l | 95     |
| 11) Tert butyl alcohol        | 3.07 | 59  | 38277  | 99.40  | ug/l | 99     |
| 12) 1,1-Dichloroethene        | 2.37 | 96  | 19551  | 18.92  | ug/l | 89     |
| 13) Acrolein                  | 2.29 | 56  | 9891   | 68.90  | ug/l | 97     |
| 14) Allyl chloride            | 2.73 | 41  | 45113  | 19.54  | ug/l | 99     |
| 15) Acrylonitrile             | 3.15 | 53  | 85384  | 106.99 | ug/l | 99     |
| 16) Acetone                   | 2.45 | 43  | 77757  | 107.43 | ug/l | 98     |
| 17) Carbon Disulfide          | 2.57 | 76  | 48076  | 15.59  | ug/l | 99     |
| 18) Methyl Acetate            | 2.78 | 43  | 44574  | 22.15  | ug/l | 99     |
| 19) Methyl tert-butyl Ether   | 3.20 | 73  | 75919  | 21.52  | ug/l | 94     |
| 20) Methylene Chloride        | 2.86 | 84  | 24084  | 20.26  | ug/l | 88     |
| 21) trans-1,2-Dichloroethene  | 3.17 | 96  | 20843  | 19.12  | ug/l | 92     |
| 22) Diisopropyl ether         | 3.87 | 45  | 82963  | 20.52  | ug/l | 93     |
| 23) Vinyl Acetate             | 3.82 | 43  | 345382 | 99.62  | ug/l | 99     |
| 24) 1,1-Dichloroethane        | 3.70 | 63  | 43731  | 20.27  | ug/l | 99     |
| 25) 2-Butanone                | 4.70 | 43  | 116557 | 102.43 | ug/l | 96     |
| 26) 2,2-Dichloropropane       | 4.58 | 77  | 33608  | 21.24  | ug/l | 99     |
| 27) cis-1,2-Dichloroethene    | 4.59 | 96  | 24169  | 20.08  | ug/l | 99     |
| 28) Bromochloromethane        | 5.01 | 49  | 21729  | 22.54  | ug/l | 96     |
| 29) Tetrahydrofuran           | 5.15 | 42  | 73980  | 101.25 | ug/l | 99     |
| 30) Chloroform                | 5.22 | 83  | 42055  | 20.21  | ug/l | 99     |
| 31) Cyclohexane               | 5.57 | 56  | 30727  | 16.41  | ug/l | 90     |
| 32) 1,1,1-Trichloroethane     | 5.50 | 97  | 33832  | 19.49  | ug/l | 100    |
| 36) 1,1-Dichloropropene       | 5.80 | 75  | 29252  | 18.21  | ug/l | 96     |
| 37) Ethyl Acetate             | 4.85 | 43  | 41353  | 19.58  | ug/l | 100    |
| 38) Carbon Tetrachloride      | 5.78 | 117 | 29341  | 18.25  | ug/l | 98     |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_X\DATA\VX111718\  
 Data File : VX006064.D  
 Acq On : 17 Nov 2018 12:38  
 Operator : JC/MD  
 Sample : VX1117WBS01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleID :  
 VX1117WBS01

Manual Integrations  
 APPROVED

MMDadoda  
 11/19/2018 9:24:38 AM

Quant Time: Nov 19 00:29:23 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X110718W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Nov 07 14:40:53 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| 39) Methylcyclohexane          | 7.46  | 83   | 25787    | 15.84  | ug/l   | 91       |
| 40) Benzene                    | 6.15  | 78   | 90754    | 19.38  | ug/l   | 97       |
| 41) Methacrylonitrile          | 5.06  | 41   | 22665    | 19.86  | ug/l   | 99       |
| 42) 1,2-Dichloroethane         | 6.20  | 62   | 32855    | 19.59  | ug/l   | 99       |
| 43) Isopropyl Acetate          | 6.46  | 43   | 56649    | 18.51  | ug/l   | 97       |
| 44) Trichloroethene            | 7.21  | 130  | 21374    | 17.98  | ug/l   | 96       |
| 45) 1,2-Dichloropropane        | 7.52  | 63   | 22267    | 19.59  | ug/l   | 97       |
| 46) Dibromomethane             | 7.66  | 93   | 13782    | 19.33  | ug/l   | 98       |
| 47) Bromodichloromethane       | 7.90  | 83   | 26882    | 19.95  | ug/l   | 98       |
| 48) Methyl methacrylate        | 7.77  | 41   | 26689    | 19.42  | ug/l   | 98       |
| 49) 1,4-Dioxane                | 7.75  | 88   | 11457    | 386.91 | ug/l   | 98       |
| 51) 4-Methyl-2-Pentanone       | 8.65  | 43   | 185796   | 96.33  | ug/l   | 98       |
| 52) Toluene                    | 8.79  | 92   | 48230    | 18.43  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene      | 9.04  | 75   | 29443    | 18.51  | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene    | 8.44  | 75   | 31890    | 19.67  | ug/l   | 97       |
| 55) 1,1,2-Trichloroethane      | 9.21  | 97   | 24048    | 20.62  | ug/l   | 89       |
| 56) Ethyl methacrylate         | 9.18  | 69   | 31303    | 17.94  | ug/l   | 98       |
| 57) 1,3-Dichloropropane        | 9.37  | 76   | 40718    | 20.78  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether  | 8.31  | 63   | 87678    | 97.44  | ug/l   | 99       |
| 59) 2-Hexanone                 | 9.49  | 43   | 168191   | 98.93  | ug/l   | 98       |
| 60) Dibromochloromethane       | 9.59  | 129  | 24292    | 19.27  | ug/l   | 98       |
| 61) 1,2-Dibromoethane          | 9.67  | 107  | 25688    | 19.92  | ug/l   | 98       |
| 64) Tetrachloroethene          | 9.34  | 164  | 26774    | 21.68  | ug/l   | 92       |
| 65) Chlorobenzene              | 10.14 | 112  | 57194    | 19.68  | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane  | 10.22 | 131  | 20744    | 20.53  | ug/l   | 100      |
| 67) Ethyl Benzene              | 10.25 | 91   | 90285    | 19.38  | ug/l   | 99       |
| 68) m/p-Xylenes                | 10.36 | 106  | 70104    | 39.44  | ug/l   | 99       |
| 69) o-Xylene                   | 10.70 | 106  | 33295    | 20.89  | ug/l   | 100      |
| 70) Styrene                    | 10.71 | 104  | 56707    | 21.57  | ug/l   | 99       |
| 71) Bromoform                  | 10.86 | 173  | 17696    | 20.90  | ug/l # | 99       |
| 73) Isopropylbenzene           | 11.02 | 105  | 94531    | 17.05  | ug/l   | 100      |
| 74) N-amyl acetate             | 10.90 | 43   | 44146    | 15.09  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane  | 11.27 | 83   | 33706    | 16.56  | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane     | 11.30 | 75   | 33503m   | 17.16  | ug/l   |          |
| 77) Bromobenzene               | 11.26 | 156  | 25599    | 16.38  | ug/l   | 100      |
| 78) n-propylbenzene            | 11.36 | 91   | 108595   | 16.62  | ug/l   | 99       |
| 79) 2-Chlorotoluene            | 11.42 | 91   | 65132    | 16.49  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene     | 11.51 | 105  | 80109    | 17.00  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-buten | 11.07 | 75   | 10476    | 17.10  | ug/l   | 99       |
| 82) 4-Chlorotoluene            | 11.51 | 91   | 76540    | 16.44  | ug/l   | 100      |
| 83) tert-Butylbenzene          | 11.77 | 119  | 91361    | 19.17  | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene     | 11.81 | 105  | 96975    | 18.58  | ug/l   | 97       |
| 85) sec-Butylbenzene           | 11.94 | 105  | 116341   | 19.96  | ug/l   | 99       |
| 86) p-Isopropyltoluene         | 12.07 | 119  | 109875   | 21.28  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene        | 12.02 | 146  | 62897    | 20.97  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 12.10 | 146  | 61716    | 20.10  | ug/l   | 98       |
| 89) n-Butylbenzene             | 12.39 | 91   | 93944    | 19.63  | ug/l   | 100      |
| 90) Hexachloroethane           | 12.60 | 117  | 17709    | 20.55  | ug/l   | 100      |
| 91) 1,2-Dichlorobenzene        | 12.39 | 146  | 63027    | 20.98  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 13.00 | 75   | 9646     | 19.43  | ug/l   | 92       |

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA\_X\DATA\VX111718\  
Data File : VX006064.D  
Acq On : 17 Nov 2018 12:38  
Operator : JC/MD  
Sample : VX1117WBS01  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1117WBS01

Manual Integrations  
APPROVED

MMDadoda  
11/19/2018 9:24:38 AM

Quant Time: Nov 19 00:29:23 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X110718W.M  
Quant Title : SW846 8260  
QLast Update : Wed Nov 07 14:40:53 2018  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 13.65 | 180  | 44764    | 21.17 | ug/l  | 98       |
| 94) Hexachlorobutadiene    | 13.78 | 225  | 22059    | 19.86 | ug/l  | 100      |
| 95) Naphthalene            | 13.83 | 128  | 132993   | 20.01 | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 14.02 | 180  | 46357    | 21.51 | ug/l  | 99       |

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

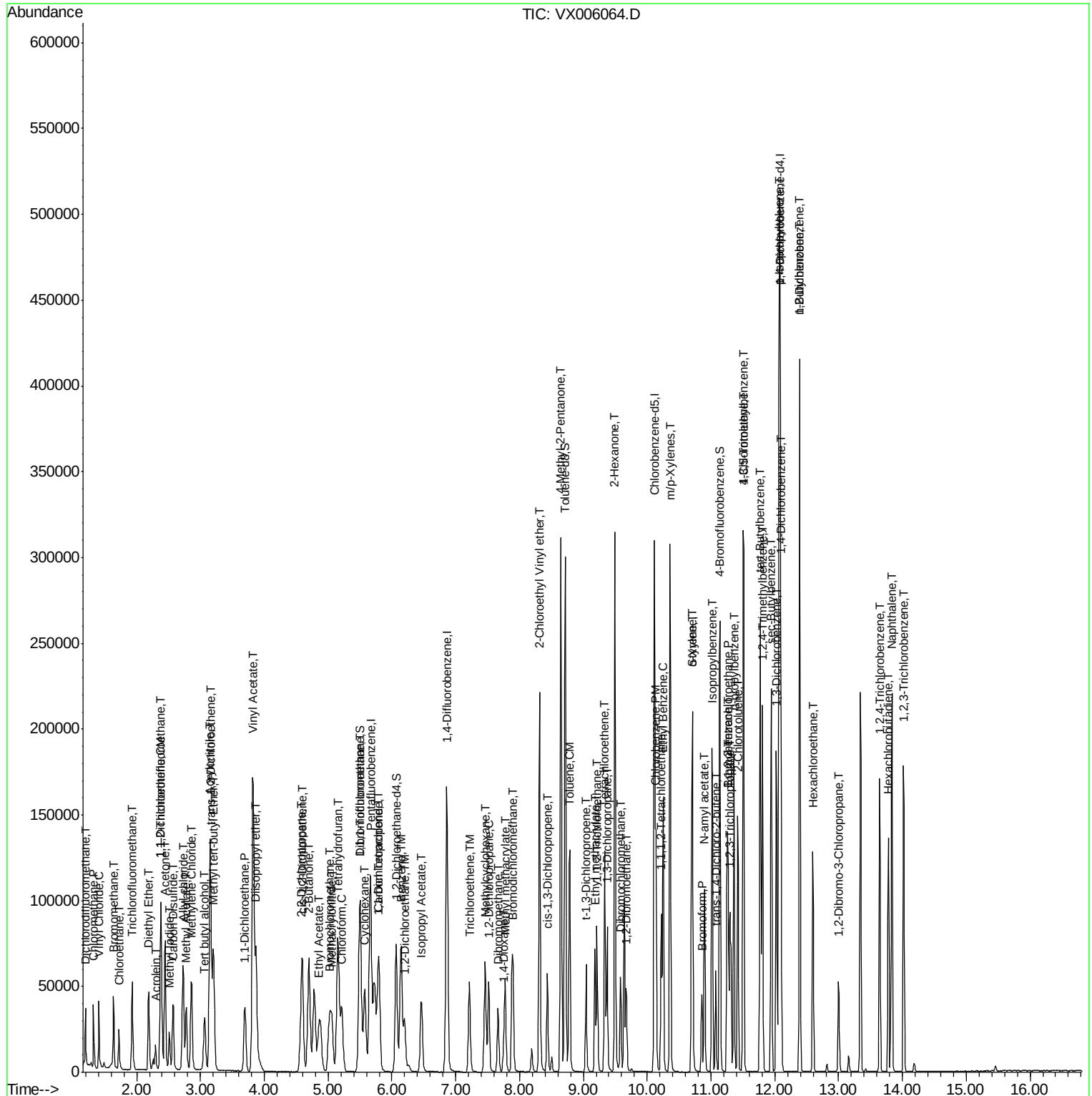
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA\_X\DATA\VX111718\  
Data File : VX006064.D  
Acq On : 17 Nov 2018 12:38  
Operator : JC/MD  
Sample : VX1117WBS01  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 5 Sample Multiplier: 1

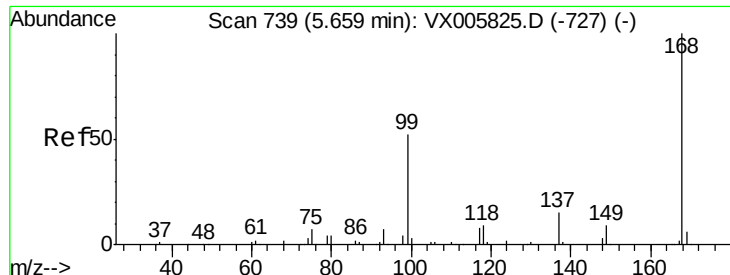
Instrument :  
MSVOA\_X  
Client Sampled :  
VX1117WBS01

Manual Integrations  
APPROVED

MMDadoda  
11/19/2018 9:24:38 AM

Quant Time: Nov 19 00:29:23 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X110718W.M  
Quant Title : SW846 8260  
QLast Update : Wed Nov 07 14:40:53 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX006064.D

Acq: 17 Nov 2018 12:38

Instrument :

MSVOA\_X

ClientSampleId :

VX1117WBS01

Tgt Ion:168 Resp: 116933

Ion Ratio Lower Upper

168 100

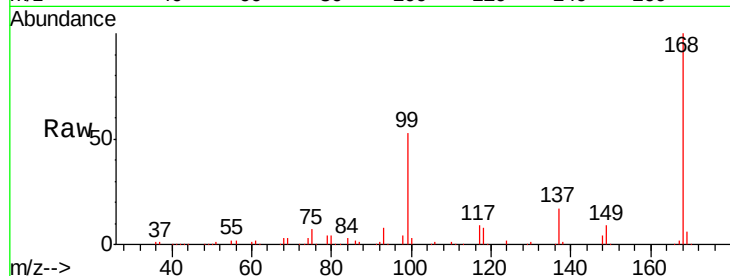
99 52.5 40.7 61.1

Manual Integrations

APPROVED

MMDadoda

11/19/2018 9:24:38 AM

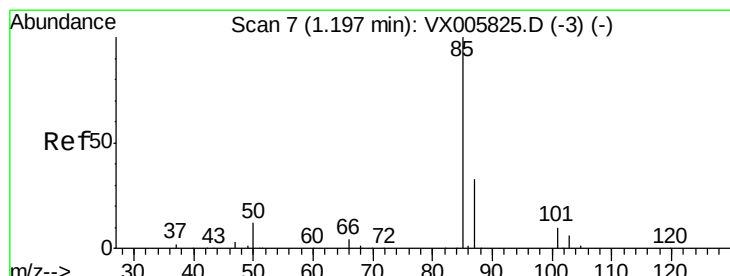
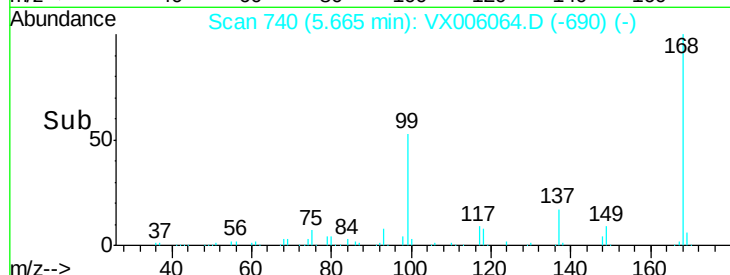


Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

Time-->



#2

Dichlorodifluoromethane

Concen: 17.34 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX006064.D

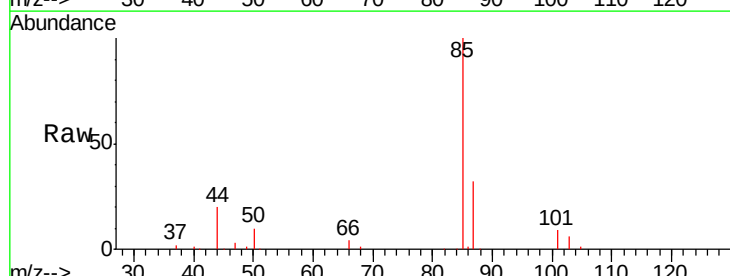
Acq: 17 Nov 2018 12:38

Tgt Ion: 85 Resp: 18283

Ion Ratio Lower Upper

85 100

87 31.8 16.3 48.9

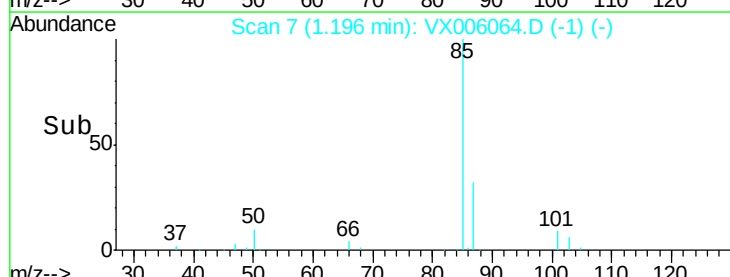


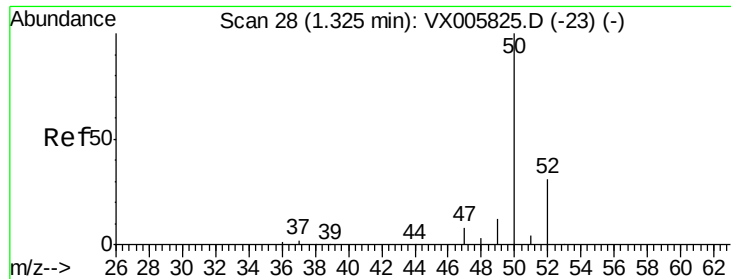
Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

Time-->





#3

Chloromethane

Concen: 17.02 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX006064.D

Acq: 17 Nov 2018 12:38

Instrument :

MSVOA\_X

ClientSampleId :

VX1117WBS01

Tgt Ion: 50 Resp: 23556

Ion Ratio Lower Upper

50 100

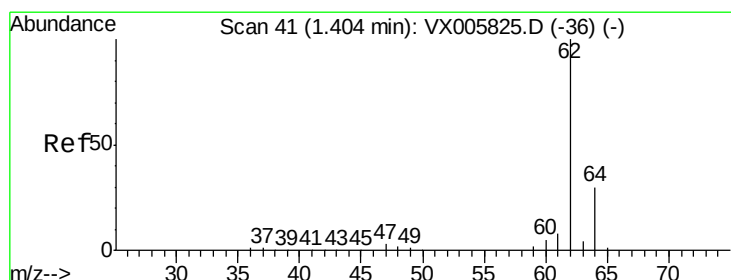
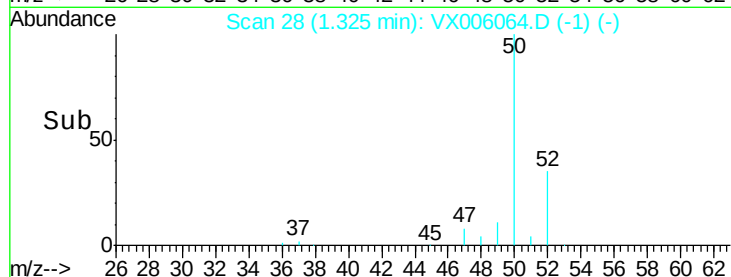
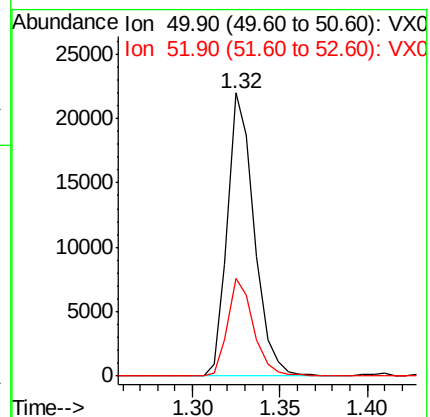
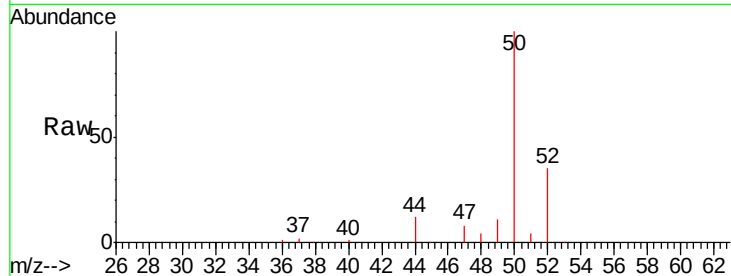
52 34.8 26.2 39.2

Manual Integrations

APPROVED

MMDadoda

11/19/2018 9:24:38 AM



#4

Vinyl Chloride

Concen: 17.82 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.01 min

Lab File: VX006064.D

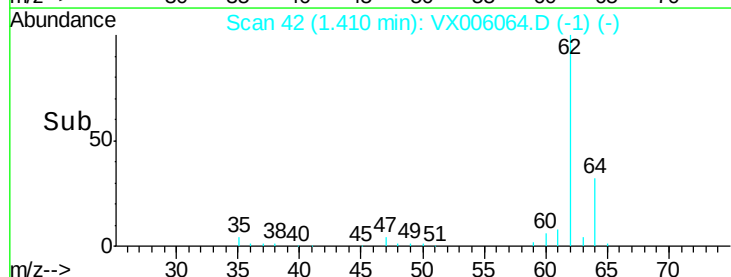
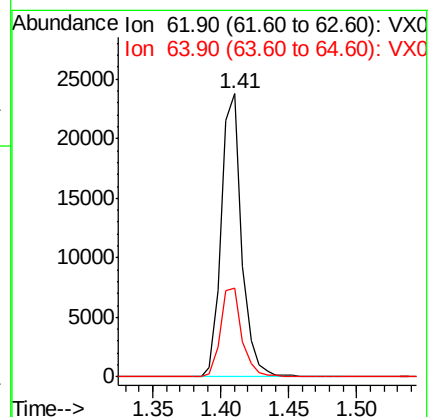
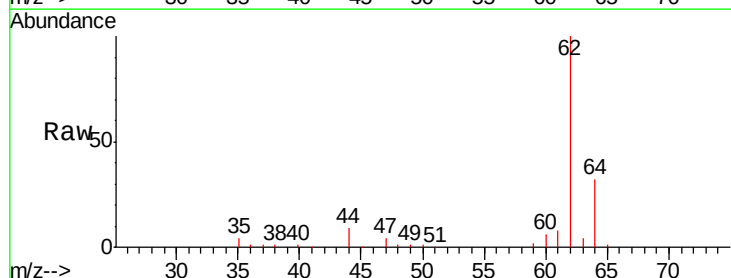
Acq: 17 Nov 2018 12:38

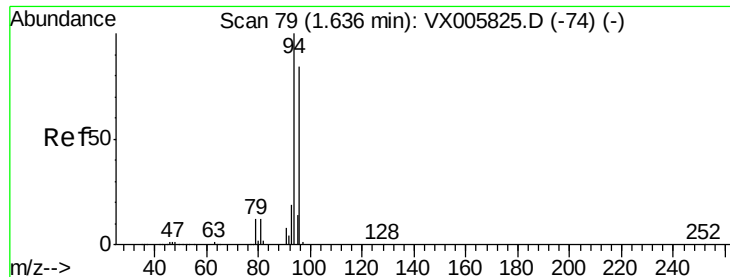
Tgt Ion: 62 Resp: 24752

Ion Ratio Lower Upper

62 100

64 31.6 25.3 37.9





#5

Bromomethane

Concen: 15.29 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX006064.D

Acq: 17 Nov 2018 12:38

Instrument :

MSVOA\_X

ClientSampleId :

VX1117WBS01

Tgt Ion: 94 Resp: 12997

Ion Ratio Lower Upper

94 100

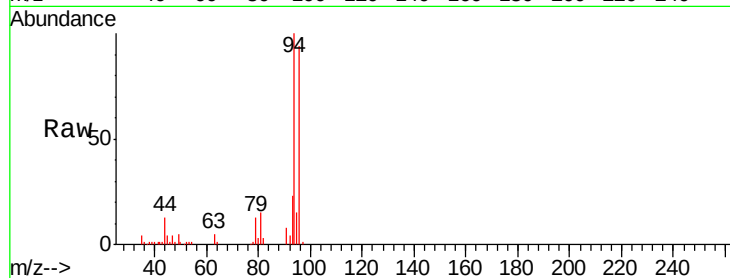
96 93.7 75.2 112.8

Manual Integrations

APPROVED

MMDadoda

11/19/2018 9:24:38 AM



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

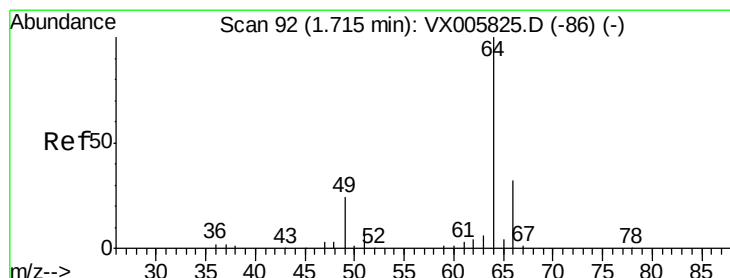
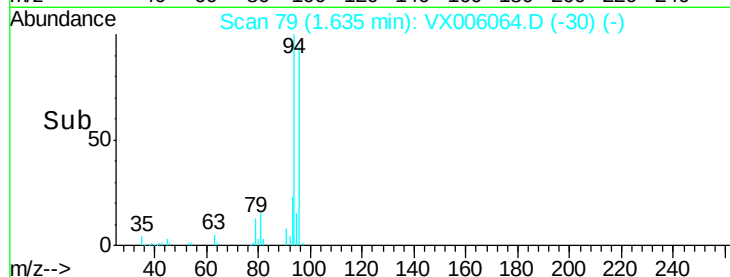
15000

10000

5000

0

Time-->



#6

Chloroethane

Concen: 19.02 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX006064.D

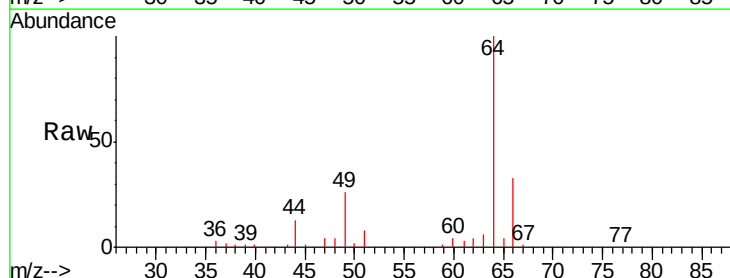
Acq: 17 Nov 2018 12:38

Tgt Ion: 64 Resp: 15760

Ion Ratio Lower Upper

64 100

66 32.6 25.8 38.6



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

12000

10000

8000

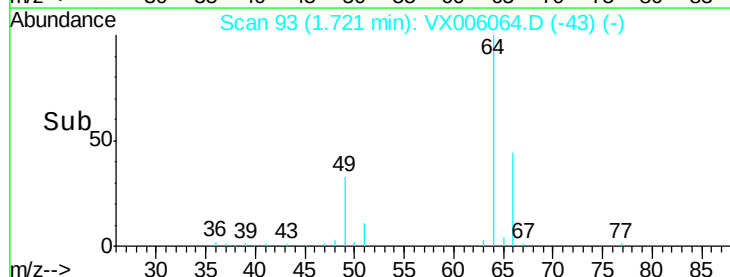
6000

4000

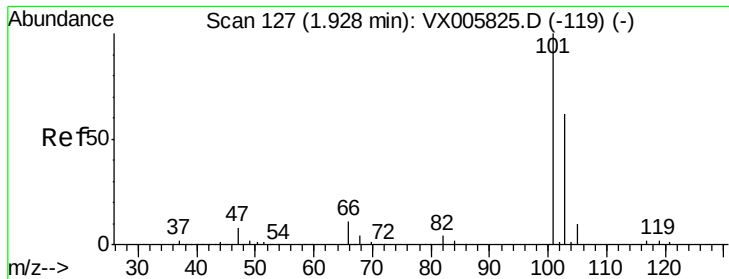
2000

0

Time-->







#7

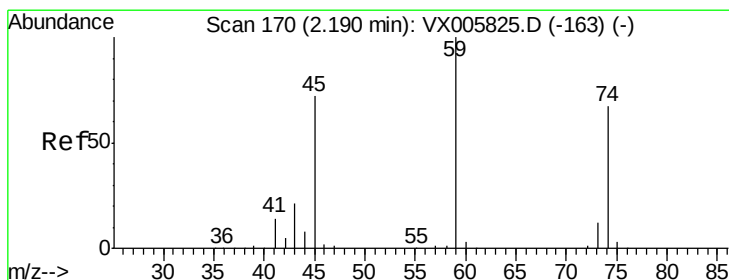
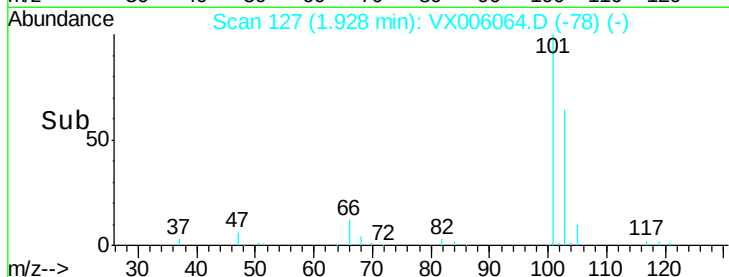
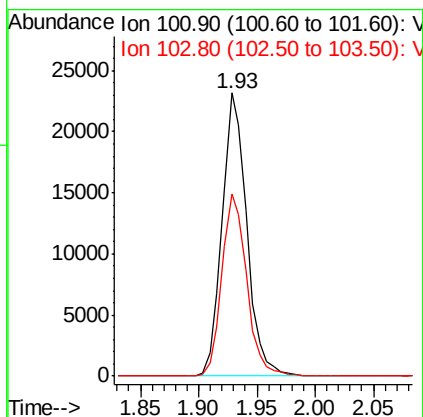
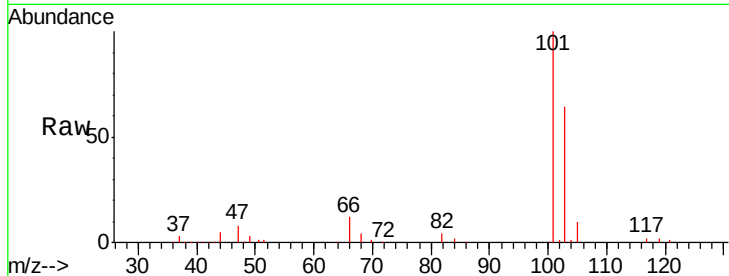
Trichlorofluoromethane  
Concen: 18.44 ug/l  
RT: 1.93 min Scan# 127  
Delta R.T. -0.00 min  
Lab File: VX006064.D  
Acq: 17 Nov 2018 12:38

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1117WBS01

Tgt Ion: 101 Resp: 34006  
Ion Ratio Lower Upper  
101 100  
103 64.3 50.0 75.0

Manual Integrations  
APPROVED

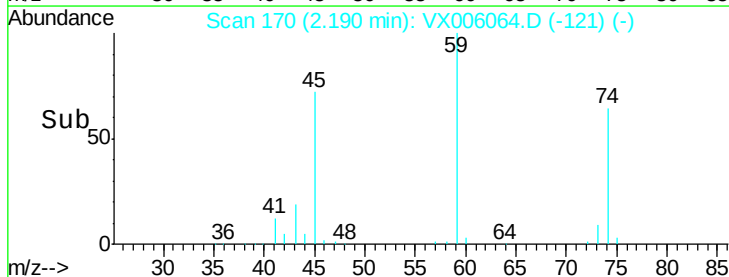
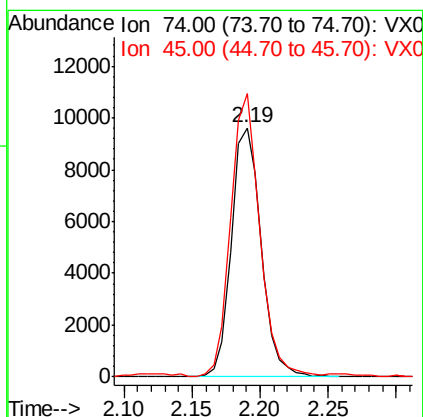
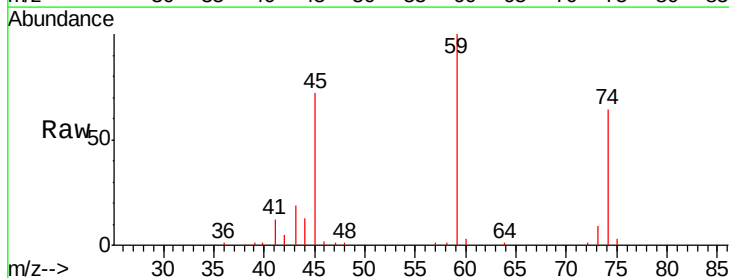
MMDadoda  
11/19/2018 9:24:38 AM



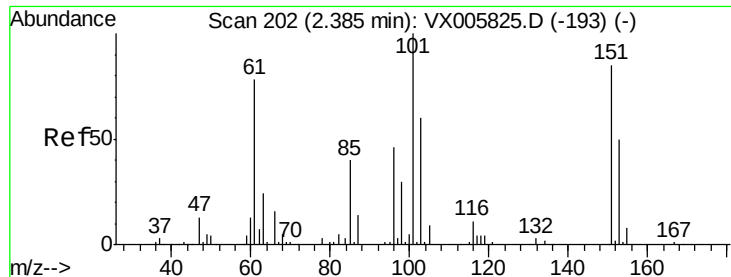
#8

Diethyl Ether  
Concen: 20.19 ug/l  
RT: 2.19 min Scan# 170  
Delta R.T. -0.00 min  
Lab File: VX006064.D  
Acq: 17 Nov 2018 12:38

Tgt Ion: 74 Resp: 14587  
Ion Ratio Lower Upper  
74 100  
45 111.9 54.1 162.3







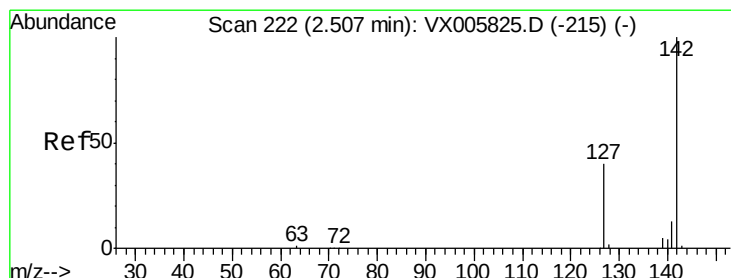
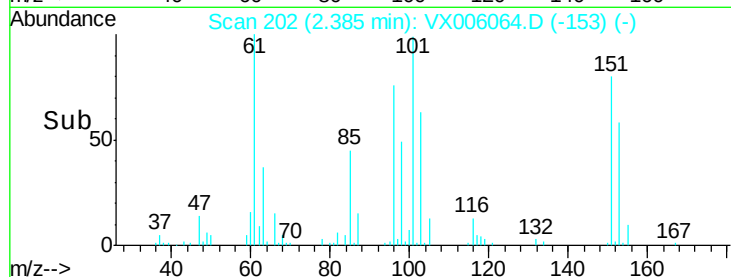
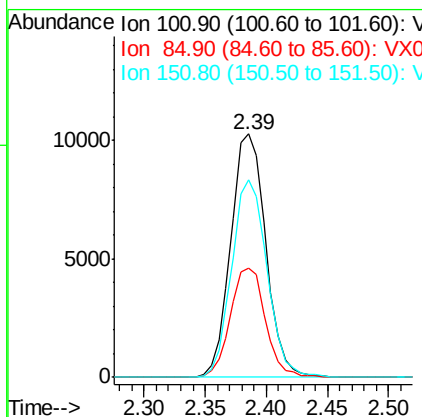
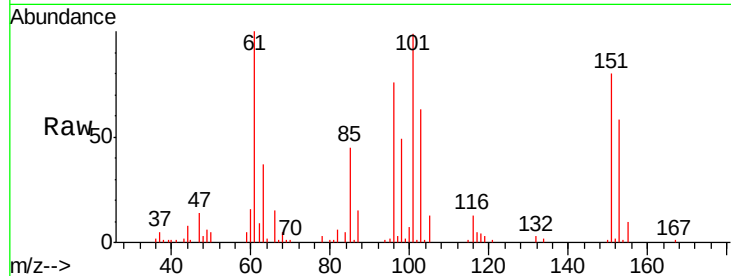
#9  
 1,1,2-Trichlorotrifluoroethane  
 Concen: 19.19 ug/l  
 RT: 2.39 min Scan# 202  
 Delta R.T. -0.00 min  
 Lab File: VX006064.D  
 Acq: 17 Nov 2018 12:38

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX1117WBS01

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 101     | 100   | 20351 |       |       |
| 85      | 44.6  | 35.0  | 52.4  |       |
| 151     | 82.0  | 66.2  | 99.2  |       |

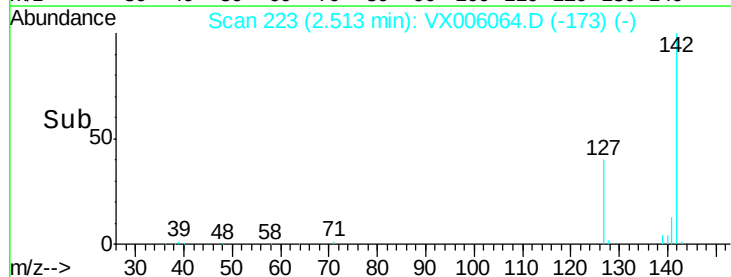
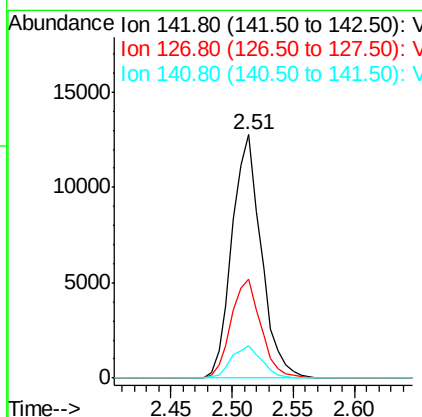
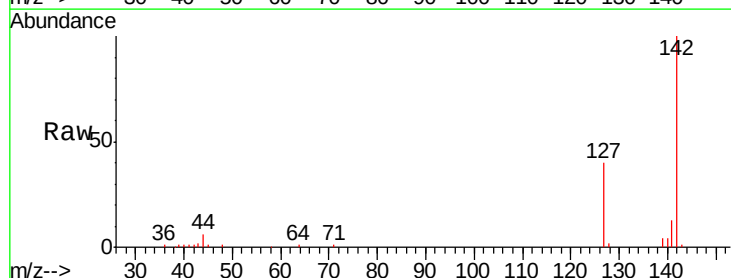
Manual Integrations  
 APPROVED

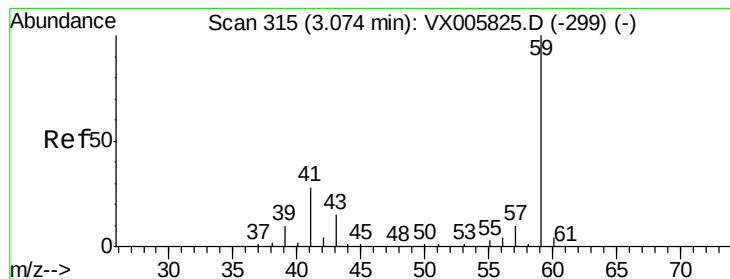
MMDadoda  
 11/19/2018 9:24:38 AM



#10  
 Methyl Iodide  
 Concen: 16.43 ug/l  
 RT: 2.51 min Scan# 223  
 Delta R.T. 0.01 min  
 Lab File: VX006064.D  
 Acq: 17 Nov 2018 12:38

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 142     | 100   | 21113 |       |       |
| 127     | 41.2  | 36.0  | 54.0  |       |
| 141     | 13.6  | 11.7  | 17.5  |       |





#11

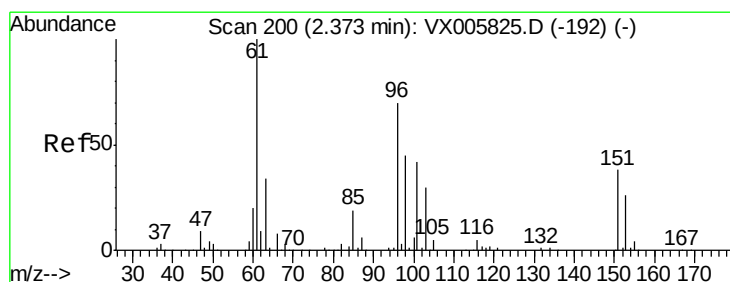
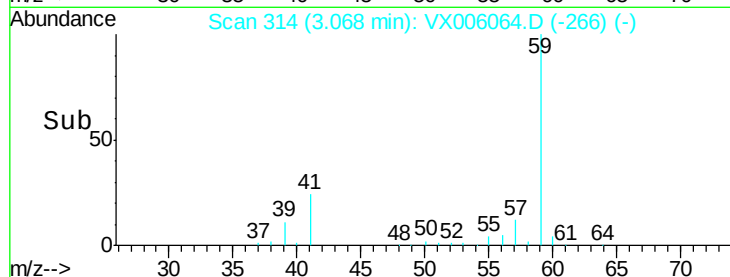
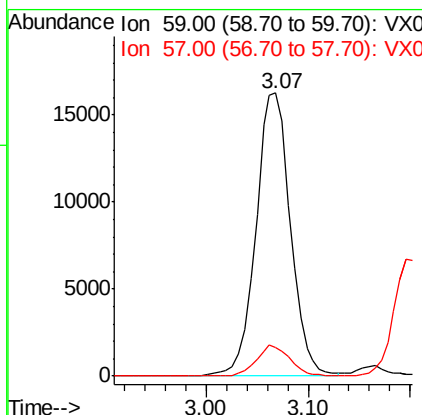
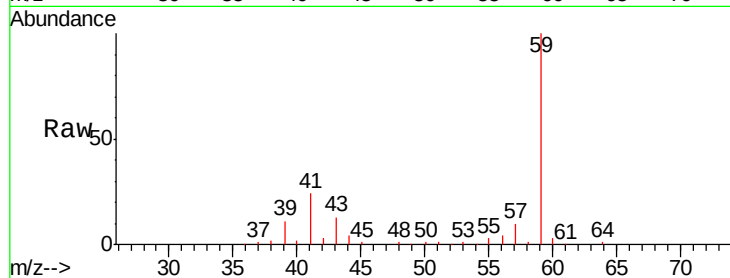
Tert butyl alcohol  
Concen: 99.40 ug/l  
RT: 3.07 min Scan# 314  
Delta R.T. -0.01 min  
Lab File: VX006064.D  
Acq: 17 Nov 2018 12:38

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1117WBS01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 59      | 100   |       |       |
| 57      | 10.3  | 8.5   | 12.7  |

Manual Integrations  
APPROVED

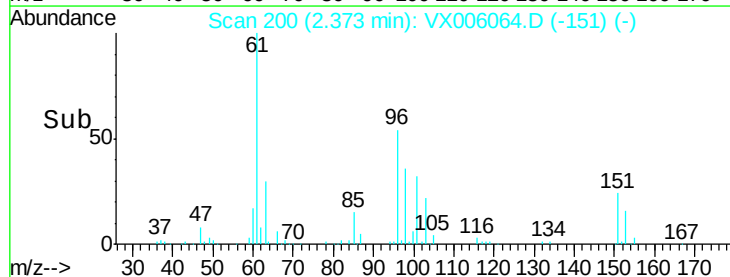
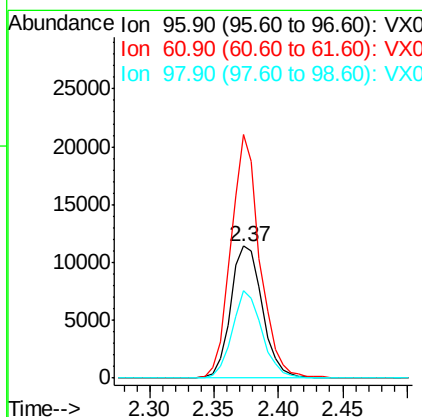
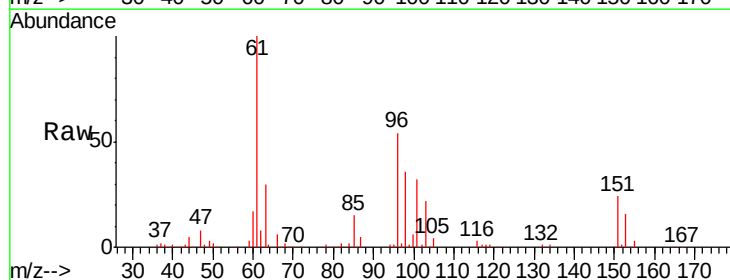
MMDadoda  
11/19/2018 9:24:38 AM

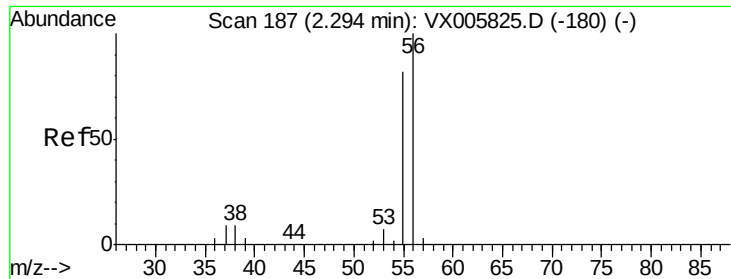


#12

1,1-Dichloroethene  
Concen: 18.92 ug/l  
RT: 2.37 min Scan# 200  
Delta R.T. -0.00 min  
Lab File: VX006064.D  
Acq: 17 Nov 2018 12:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 184.5 | 131.8 | 197.8 |
| 98      | 66.1  | 53.4  | 80.2  |





#13

Acrolein

Concen: 68.90 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX006064.D

Acq: 17 Nov 2018 12:38

Instrument :

MSVOA\_X

ClientSampleId :

VX1117WBS01

Tgt Ion: 56 Resp: 9891

Ion Ratio Lower Upper

56 100

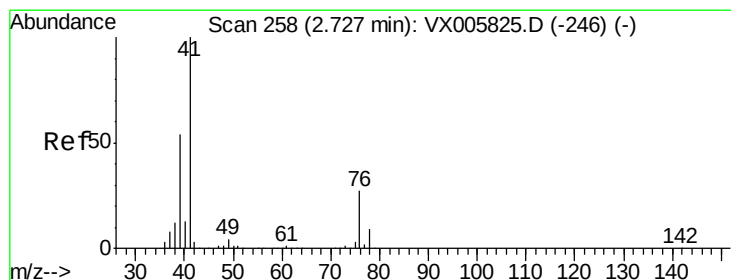
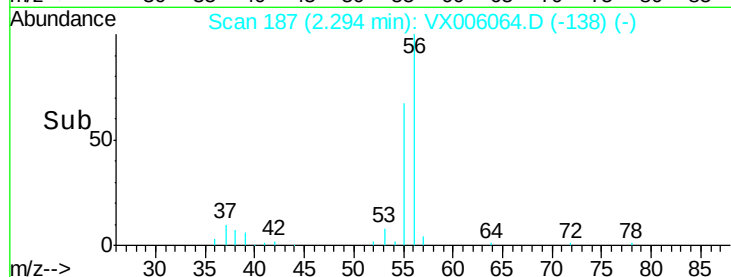
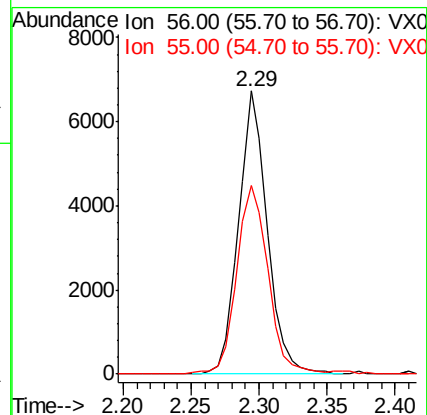
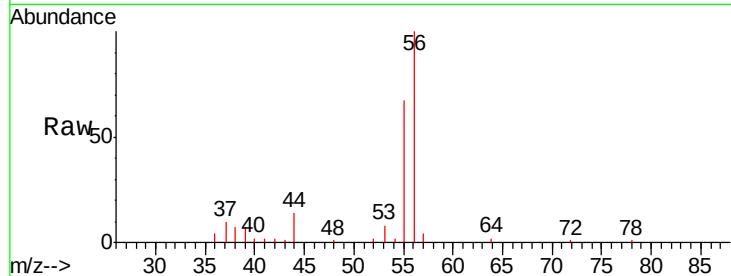
55 73.8 57.3 85.9

Manual Integrations

APPROVED

MMDadoda

11/19/2018 9:24:38 AM



#14

Allyl chloride

Concen: 19.54 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX006064.D

Acq: 17 Nov 2018 12:38

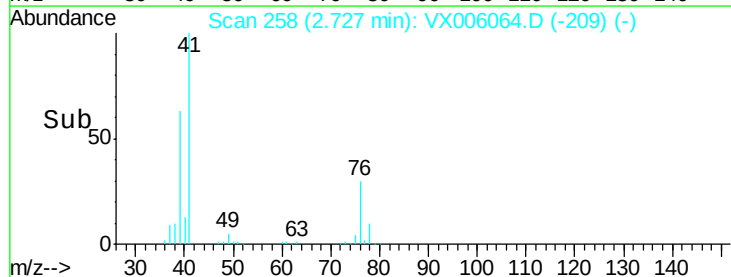
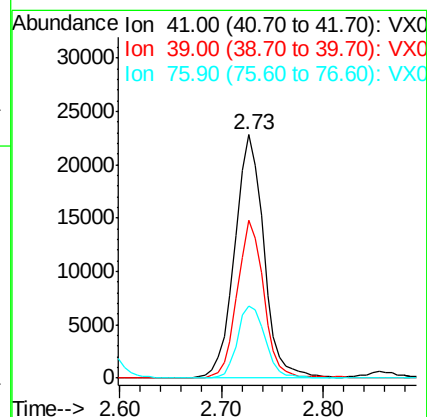
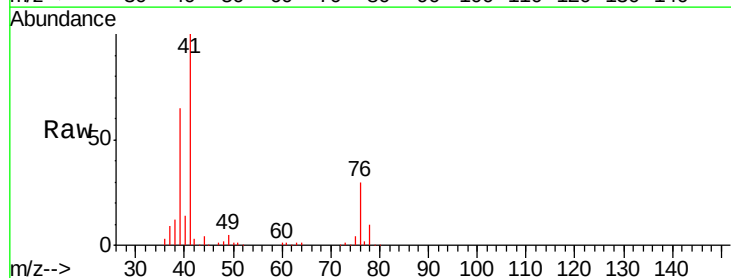
Tgt Ion: 41 Resp: 45113

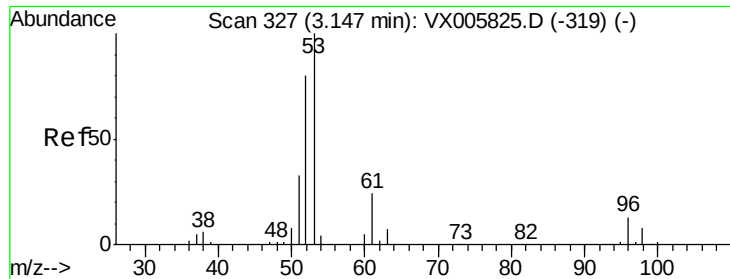
Ion Ratio Lower Upper

41 100

39 59.3 48.2 72.4

76 28.2 21.9 32.9





#15

Acrylonitrile

Concen: 106.99 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.00 min

Lab File: VX006064.D

Acq: 17 Nov 2018 12:38

Instrument :

MSVOA\_X

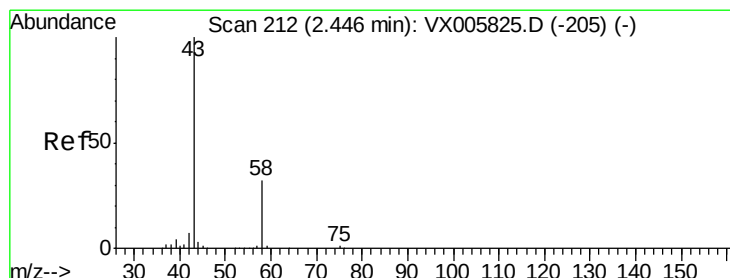
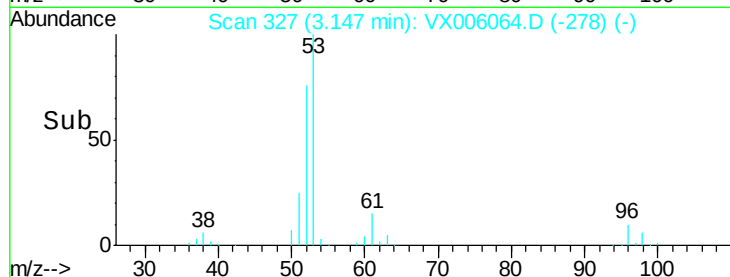
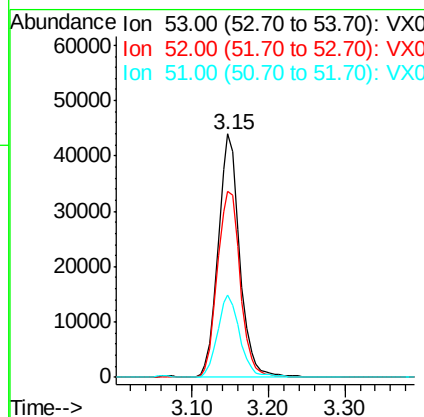
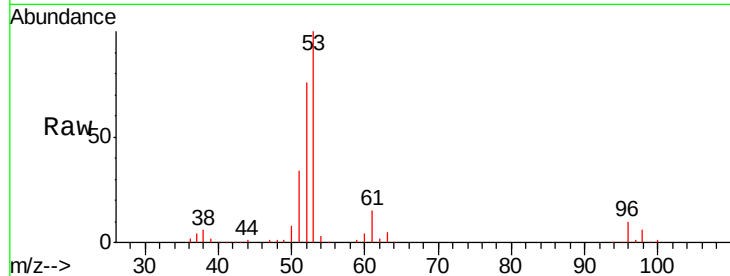
ClientSampleId :

VX1117WBS01

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 53    | Resp: | 85384 |
| Ion      | Ratio | Lower | Upper |
| 53       | 100   |       |       |
| 52       | 81.5  | 66.6  | 99.8  |
| 51       | 35.6  | 28.4  | 42.6  |

Manual Integrations  
APPROVED

MMDadoda  
11/19/2018 9:24:38 AM



#16

Acetone

Concen: 107.43 ug/l

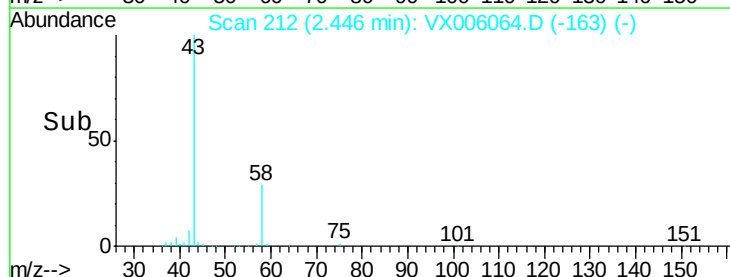
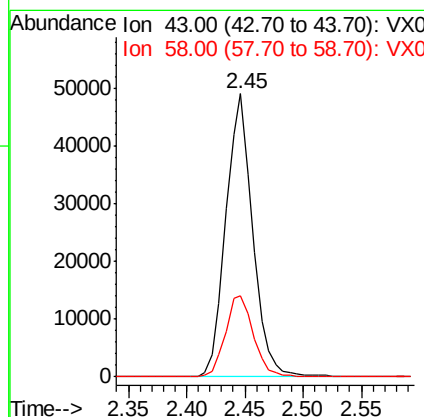
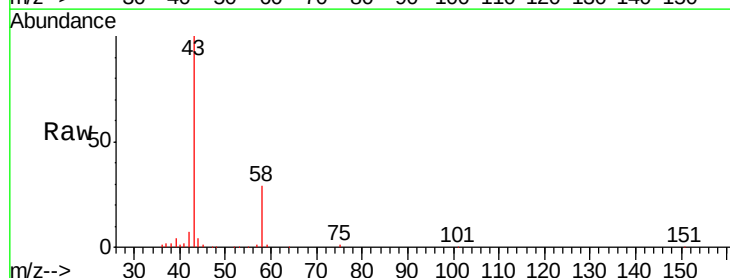
RT: 2.45 min Scan# 212

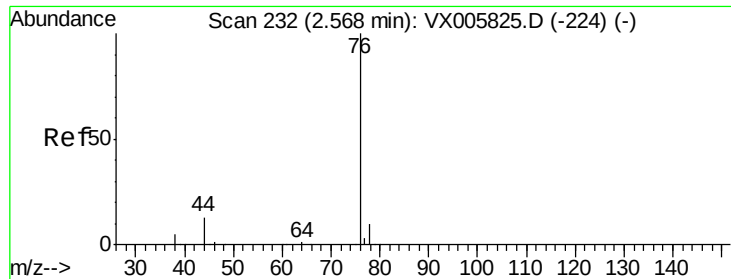
Delta R.T. -0.00 min

Lab File: VX006064.D

Acq: 17 Nov 2018 12:38

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 77757 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 28.7  | 23.8  | 35.6  |





#17

Carbon Disulfide

Concen: 15.59 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX006064.D

Acq: 17 Nov 2018 12:38

Instrument :

MSVOA\_X

ClientSampleId :

VX1117WBS01

Tgt Ion: 76 Resp: 48076

Ion Ratio Lower Upper

76 100

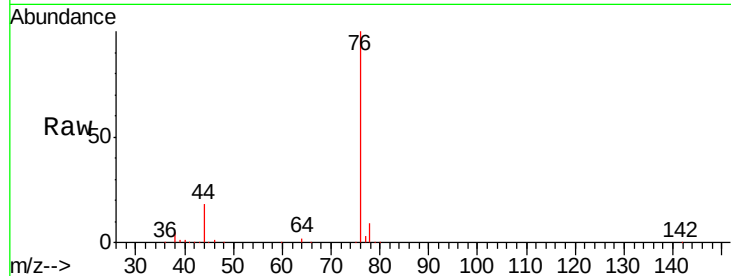
78 9.4 7.3 10.9

Manual Integrations

APPROVED

MMDadoda

11/19/2018 9:24:38 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

30000

25000

20000

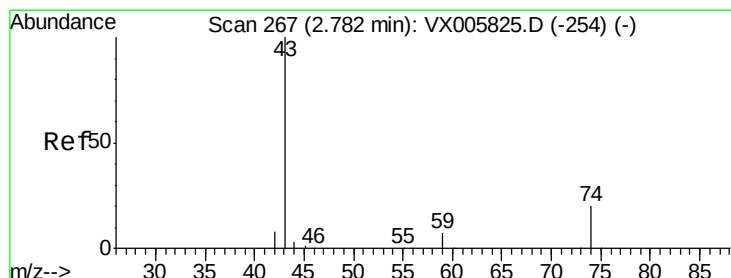
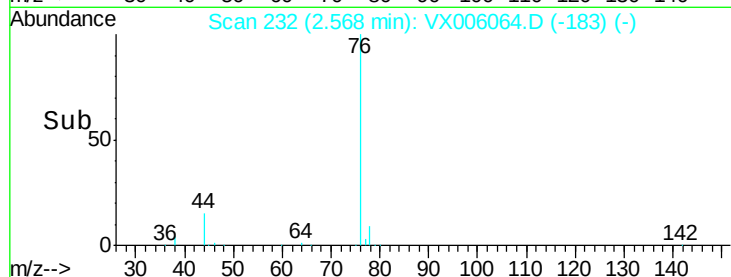
15000

10000

5000

0

Time-->



#18

Methyl Acetate

Concen: 22.15 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.01 min

Lab File: VX006064.D

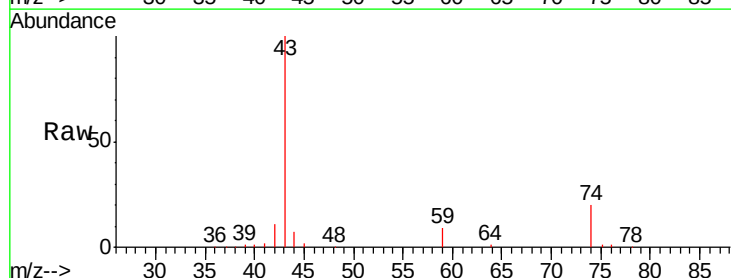
Acq: 17 Nov 2018 12:38

Tgt Ion: 43 Resp: 44574

Ion Ratio Lower Upper

43 100

74 20.4 16.8 25.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

25000

20000

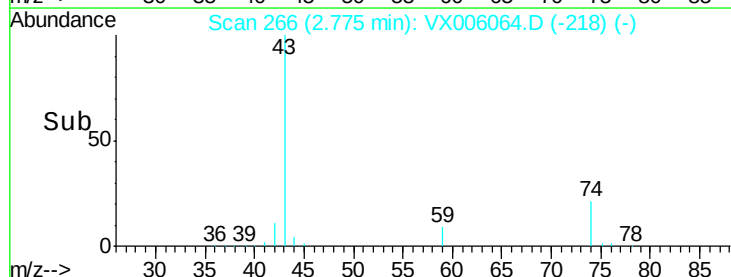
15000

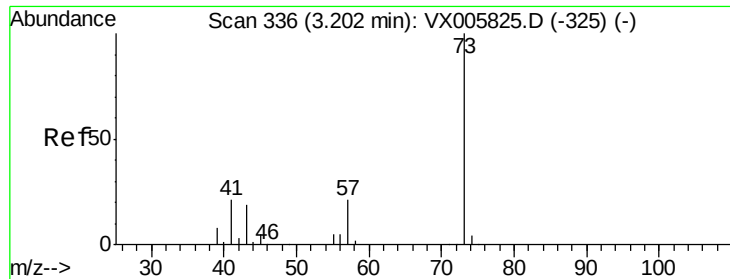
10000

5000

0

Time-->





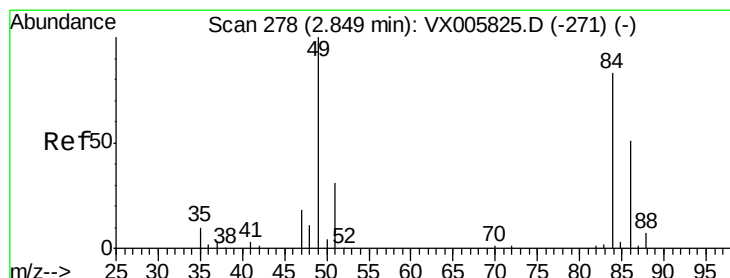
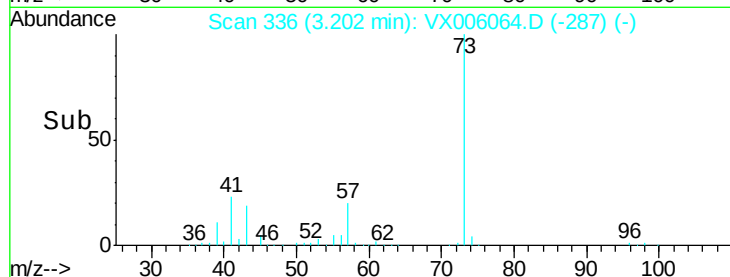
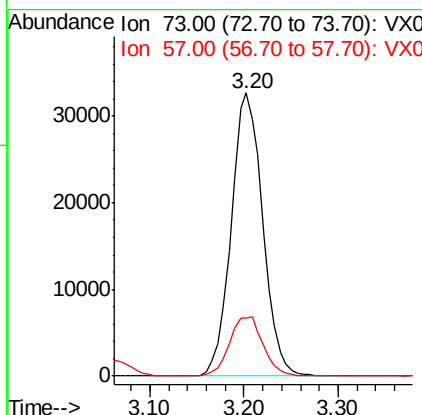
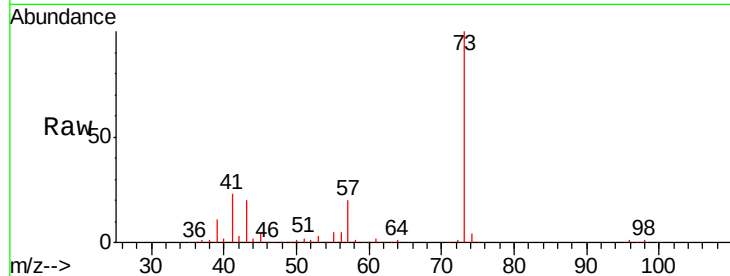
#19  
Methyl tert-butyl Ether  
Concen: 21.52 ug/l  
RT: 3.20 min Scan# 336  
Delta R.T. -0.00 min  
Lab File: VX006064.D  
Acq: 17 Nov 2018 12:38

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1117WBS01

Tgt Ion: 73 Resp: 75919  
Ion Ratio Lower Upper  
73 100  
57 20.4 18.8 28.2

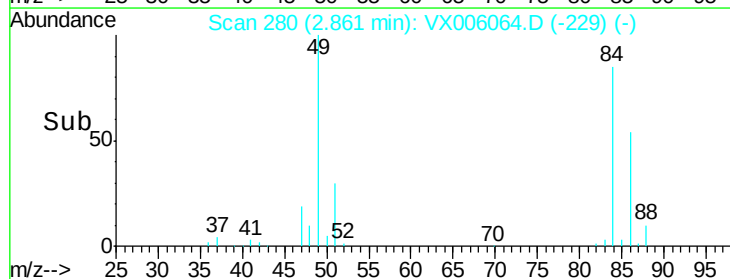
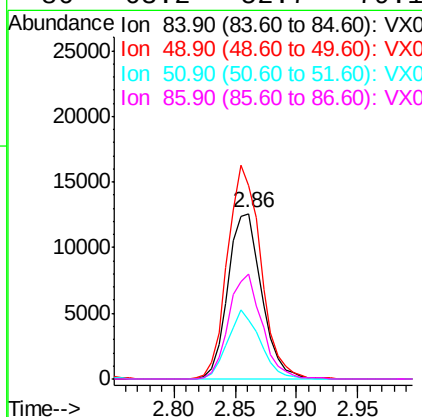
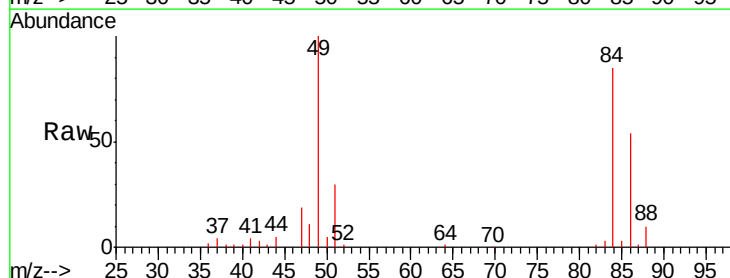
Manual Integrations  
APPROVED

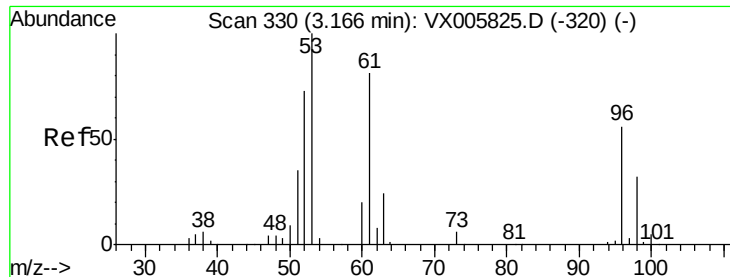
MMDadoda  
11/19/2018 9:24:38 AM



#20  
Methylene Chloride  
Concen: 20.26 ug/l  
RT: 2.86 min Scan# 280  
Delta R.T. 0.01 min  
Lab File: VX006064.D  
Acq: 17 Nov 2018 12:38

Tgt Ion: 84 Resp: 24084  
Ion Ratio Lower Upper  
84 100  
49 117.1 109.5 164.3  
51 35.5 33.3 49.9  
86 63.2 52.7 79.1





#21

trans-1,2-Dichloroethene

Concen: 19.12 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX006064.D

Acq: 17 Nov 2018 12:38

Instrument :

MSVOA\_X

ClientSampleId :

VX1117WBS01

Tgt Ion: 96 Resp: 20843

Ion Ratio Lower Upper

96 100

61 157.6 115.6 173.4

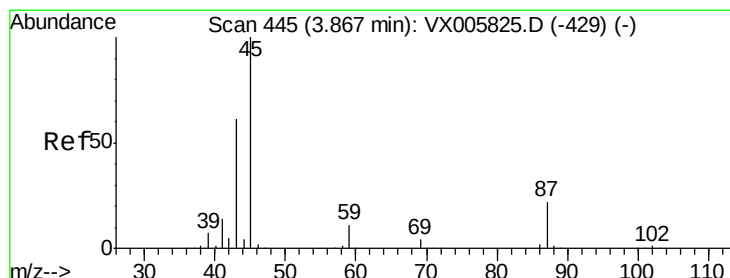
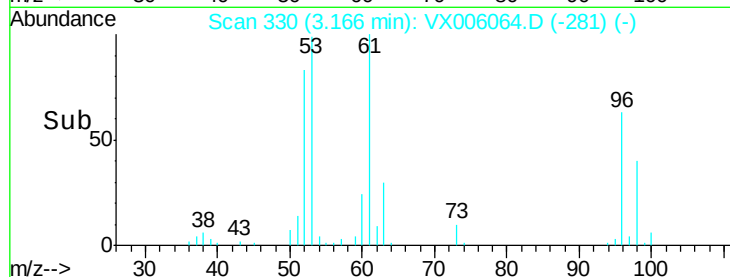
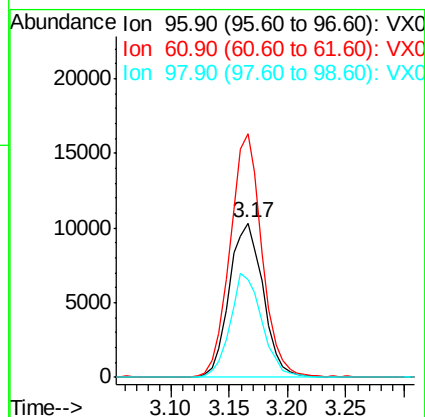
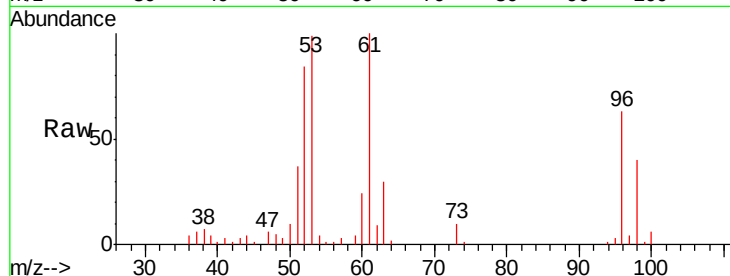
98 63.0 50.2 75.2

Manual Integrations

APPROVED

MMDadoda

11/19/2018 9:24:38 AM



#22

Diisopropyl ether

Concen: 20.52 ug/l

RT: 3.87 min Scan# 445

Delta R.T. -0.00 min

Lab File: VX006064.D

Acq: 17 Nov 2018 12:38

Tgt Ion: 45 Resp: 82963

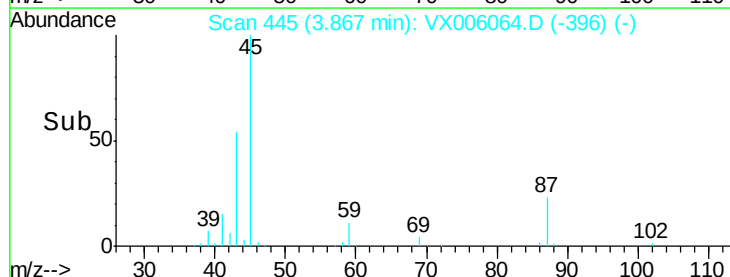
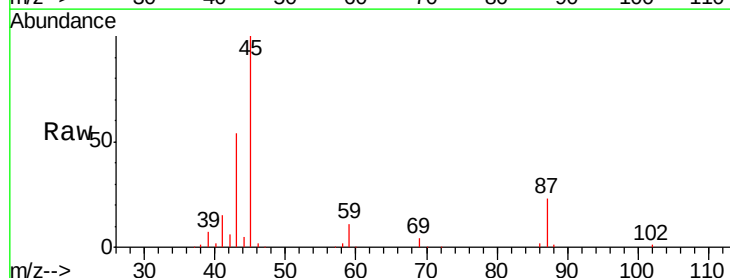
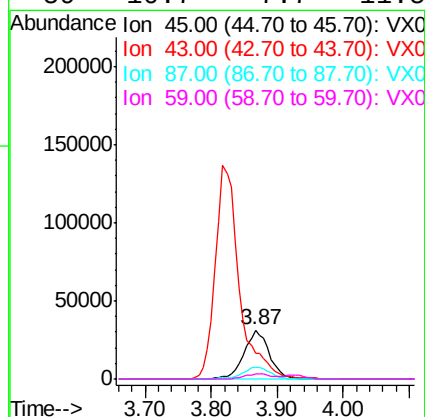
Ion Ratio Lower Upper

45 100

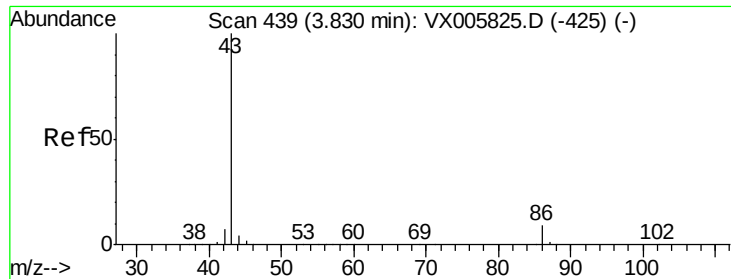
43 53.2 47.4 71.2

87 23.2 15.9 23.9

59 10.7 7.7 11.5







#23

Vinyl Acetate

Concen: 99.62 ug/l

RT: 3.82 min Scan# 437

Delta R.T. -0.01 min

Lab File: VX006064.D

Acq: 17 Nov 2018 12:38

Instrument :

MSVOA\_X

ClientSampleId :

VX1117WBS01

Tgt Ion: 43 Resp: 345382

Ion Ratio Lower Upper

43 100

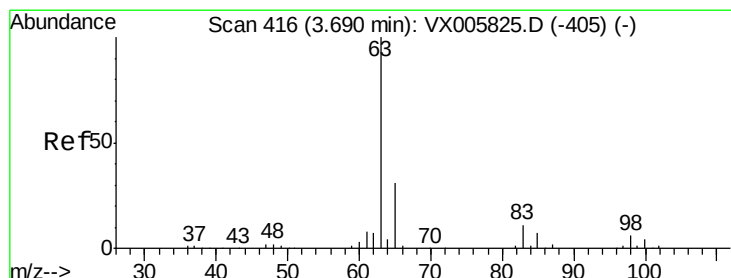
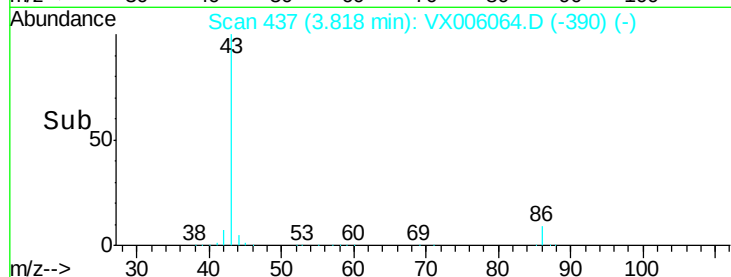
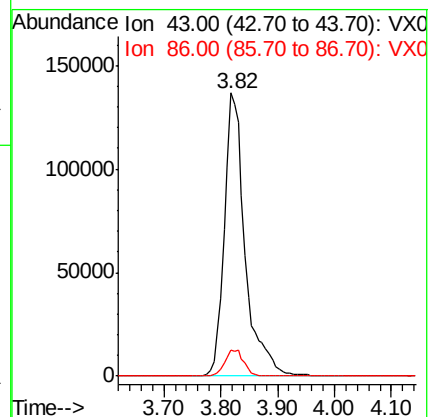
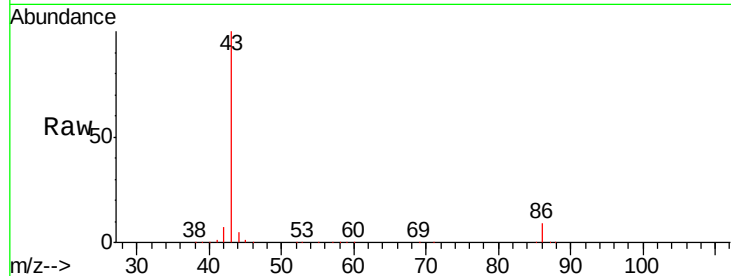
86 9.1 7.4 11.2

Manual Integrations

APPROVED

MMDadoda

11/19/2018 9:24:38 AM



#24

1,1-Dichloroethane

Concen: 20.27 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.01 min

Lab File: VX006064.D

Acq: 17 Nov 2018 12:38

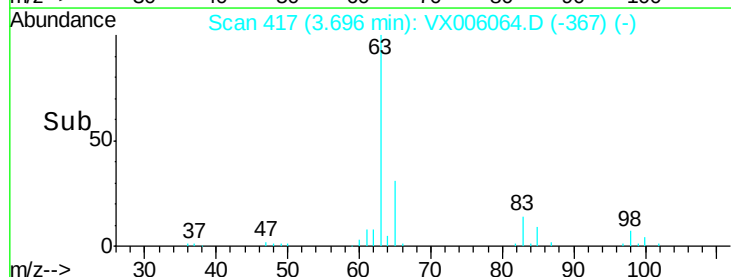
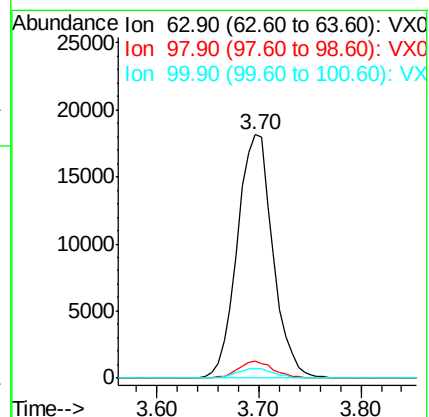
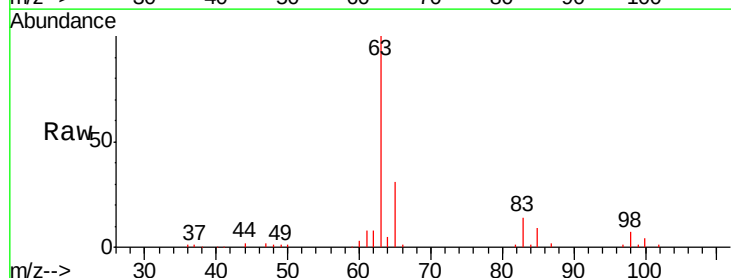
Tgt Ion: 63 Resp: 43731

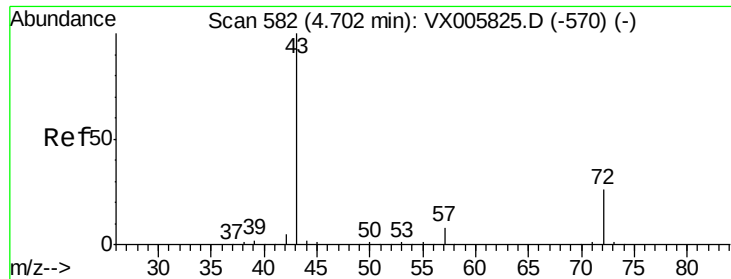
Ion Ratio Lower Upper

63 100

98 7.0 3.2 9.6

100 3.9 2.1 6.2





#25

2-Butanone

Concen: 102.43 ug/l

RT: 4.70 min Scan# 581

Delta R.T. -0.01 min

Lab File: VX006064.D

Acq: 17 Nov 2018 12:38

Instrument :

MSVOA\_X

ClientSampleId :

VX1117WBS01

Tgt Ion: 43 Resp: 116557

Ion Ratio Lower Upper

43 100

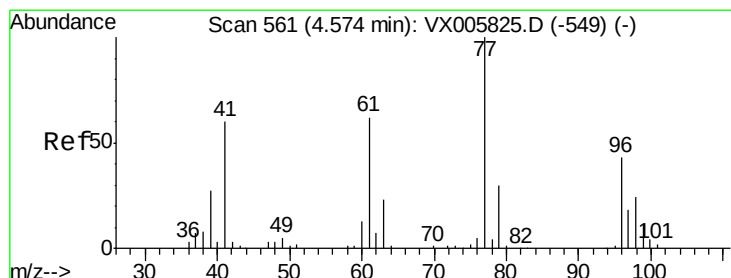
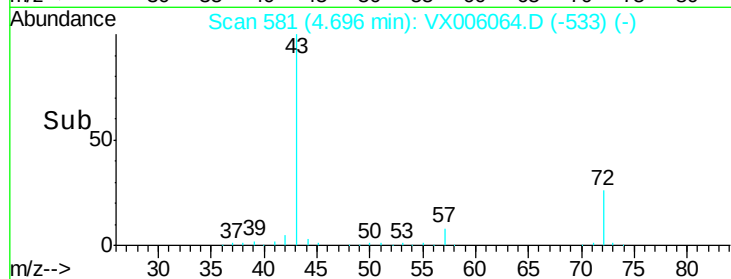
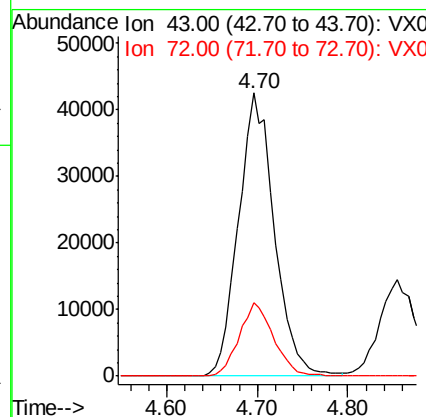
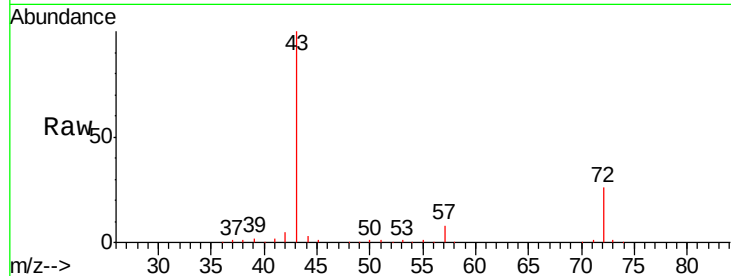
72 26.1 19.2 28.8

Manual Integrations

APPROVED

MMDadoda

11/19/2018 9:24:38 AM



#26

2,2-Dichloropropane

Concen: 21.24 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.01 min

Lab File: VX006064.D

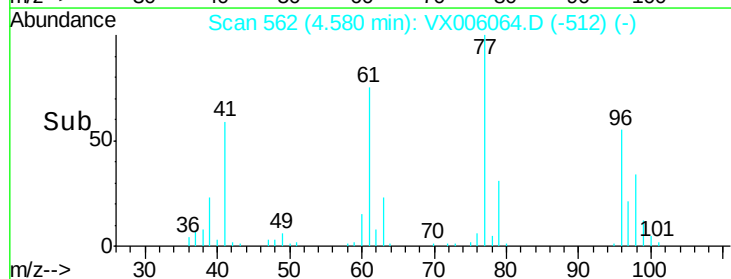
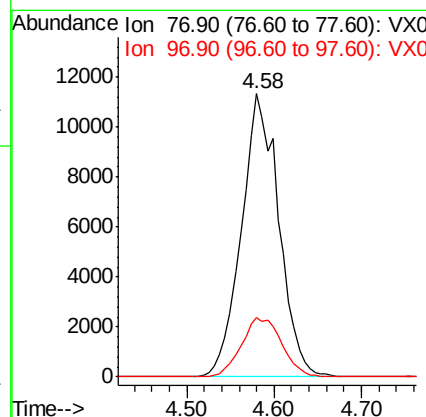
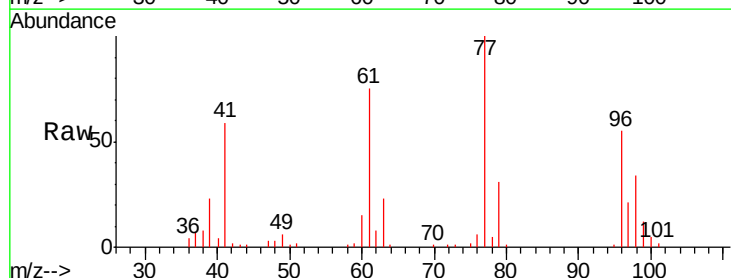
Acq: 17 Nov 2018 12:38

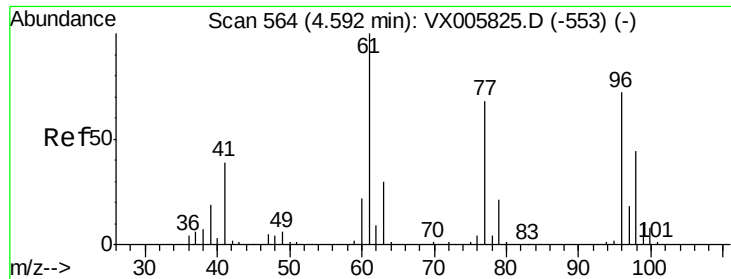
Tgt Ion: 77 Resp: 33608

Ion Ratio Lower Upper

77 100

97 22.6 11.5 34.5





#27

cis-1,2-Dichloroethene

Concen: 20.08 ug/l

RT: 4.59 min Scan# 564

Delta R.T. -0.00 min

Lab File: VX006064.D

Acq: 17 Nov 2018 12:38

Instrument :

MSVOA\_X

ClientSampleId :

VX1117WBS01

Tgt Ion: 96 Resp: 24169

Ion Ratio Lower Upper

96 100

61 150.3 0.0 304.6

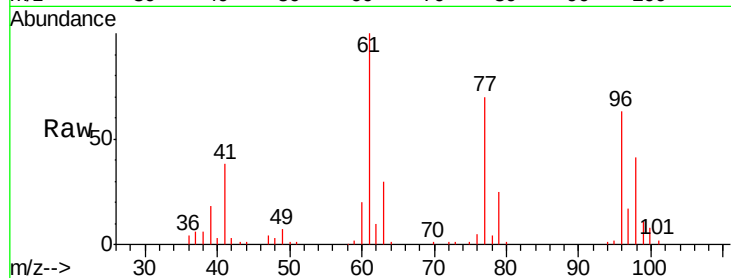
98 64.5 0.0 127.4

Manual Integrations

APPROVED

MMDadoda

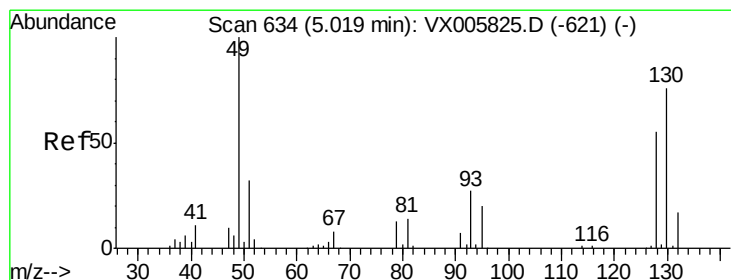
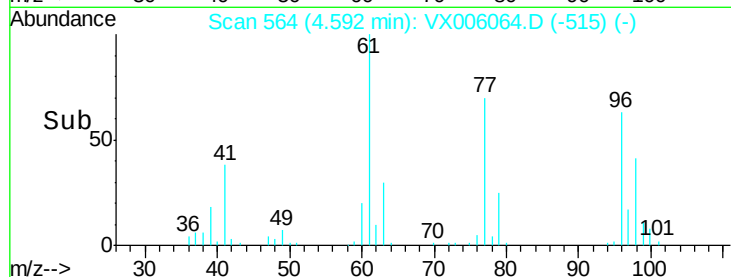
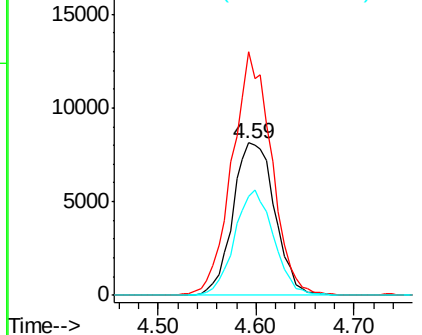
11/19/2018 9:24:38 AM



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#28

Bromochloromethane

Concen: 22.54 ug/l

RT: 5.01 min Scan# 633

Delta R.T. -0.01 min

Lab File: VX006064.D

Acq: 17 Nov 2018 12:38

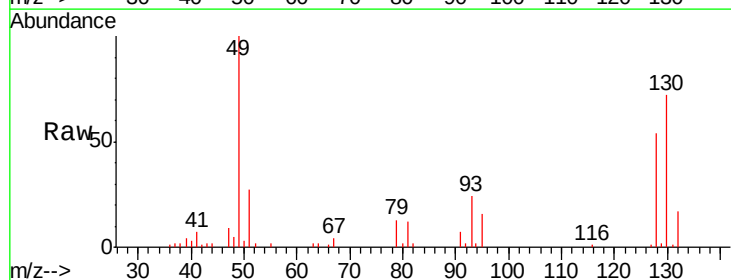
Tgt Ion: 49 Resp: 21729

Ion Ratio Lower Upper

49 100

129 1.1 0.0 4.0

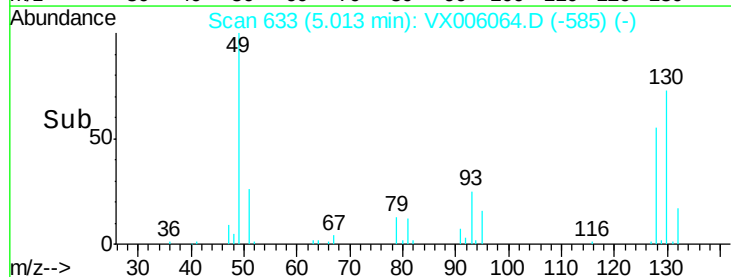
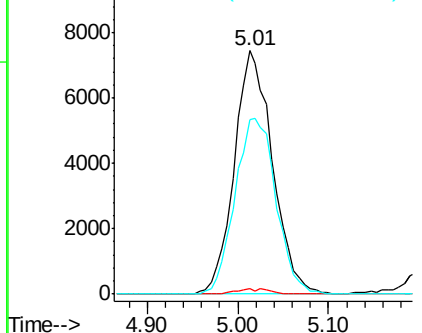
130 77.3 58.9 88.3

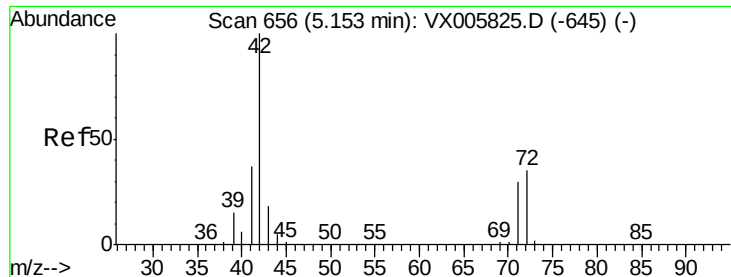


Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





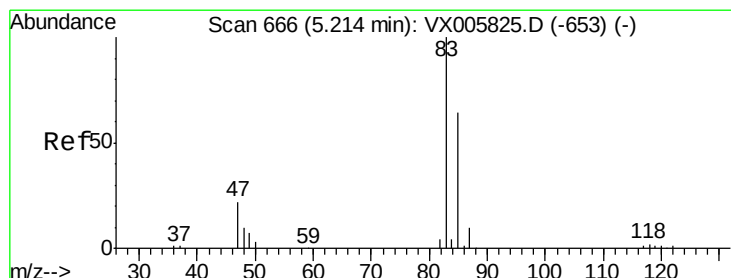
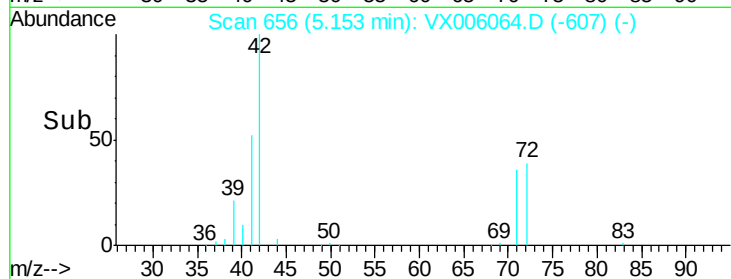
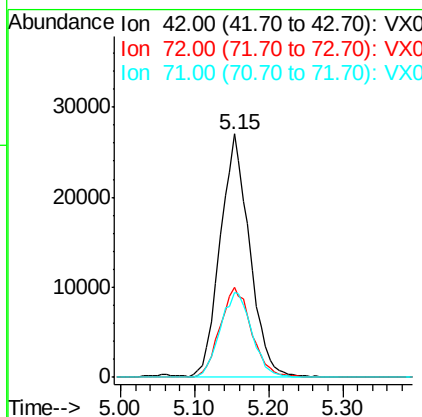
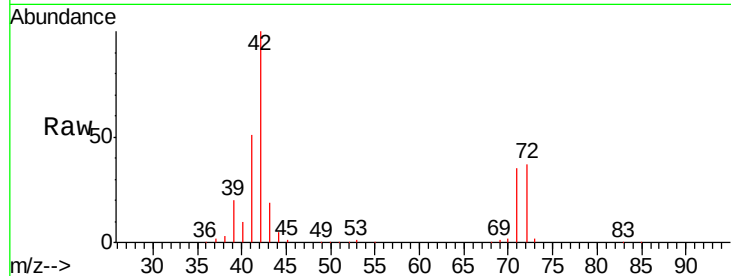
#29  
Tetrahydrofuran  
Concen: 101.25 ug/l  
RT: 5.15 min Scan# 656  
Delta R.T. -0.00 min  
Lab File: VX006064.D  
Acq: 17 Nov 2018 12:38

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1117WBS01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 39.8  | 32.0  | 48.0  |
| 71      | 37.8  | 29.8  | 44.8  |

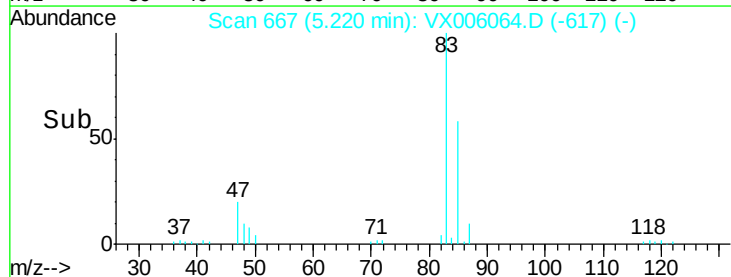
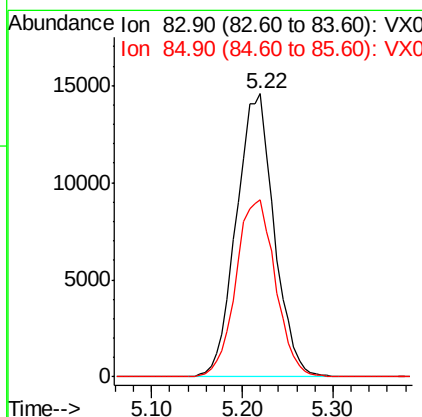
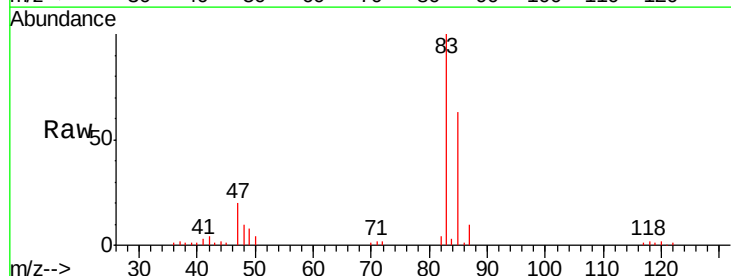
Manual Integrations  
APPROVED

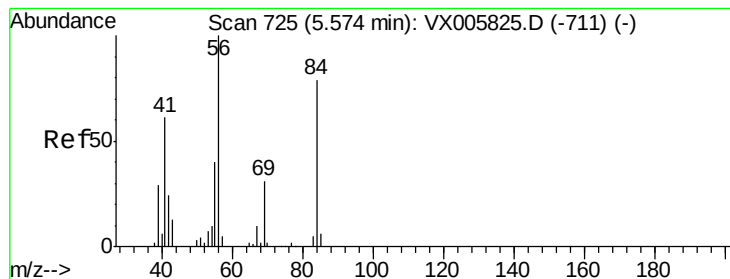
MMDadoda  
11/19/2018 9:24:38 AM



#30  
Chloroform  
Concen: 20.21 ug/l  
RT: 5.22 min Scan# 667  
Delta R.T. 0.01 min  
Lab File: VX006064.D  
Acq: 17 Nov 2018 12:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 62.5  | 50.6  | 76.0  |





#31

Cyclohexane

Concen: 16.41 ug/l

RT: 5.57 min Scan# 724

Delta R.T. -0.01 min

Lab File: VX006064.D

Acq: 17 Nov 2018 12:38

Instrument :

MSVOA\_X

ClientSampleId :

VX1117WBS01

Tgt Ion: 56 Resp: 30727

Ion Ratio Lower Upper

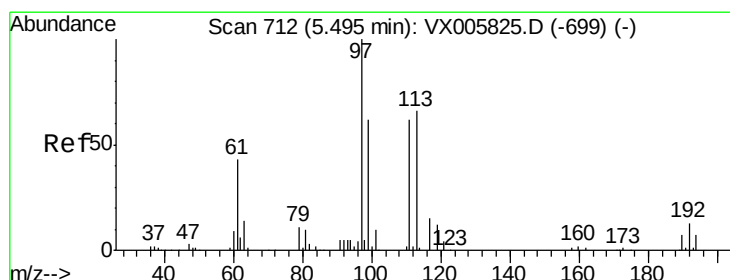
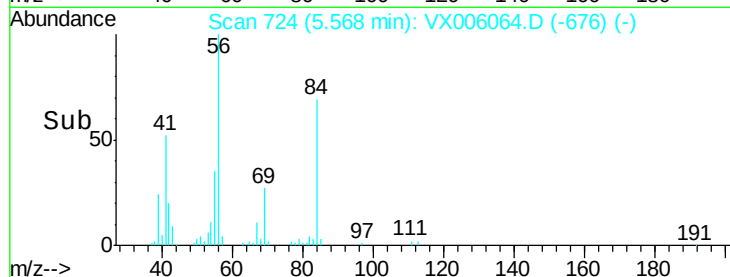
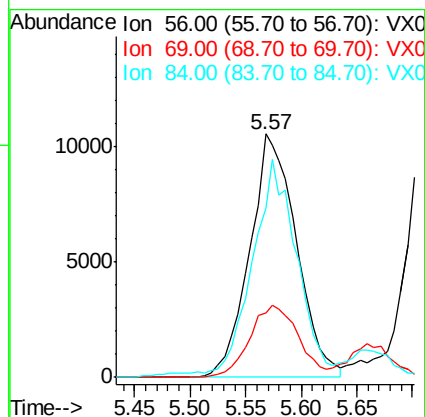
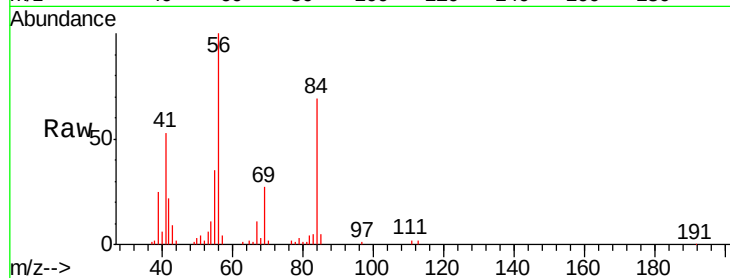
56 100

69 26.6 22.6 34.0

84 67.7 62.7 94.1

Manual Integrations  
APPROVED

MMDadoda  
11/19/2018 9:24:38 AM



#32

1,1,1-Trichloroethane

Concen: 19.49 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.01 min

Lab File: VX006064.D

Acq: 17 Nov 2018 12:38

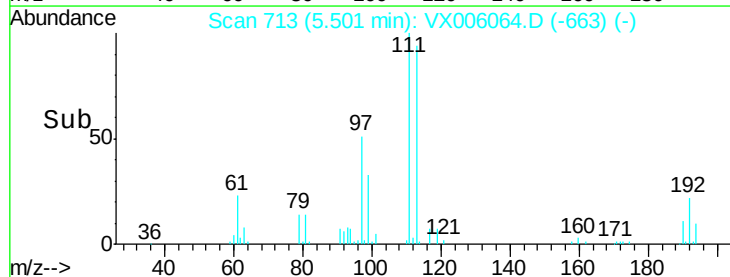
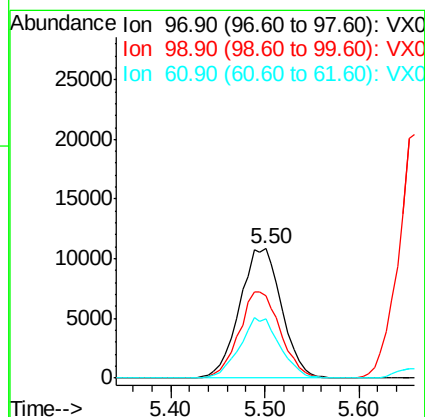
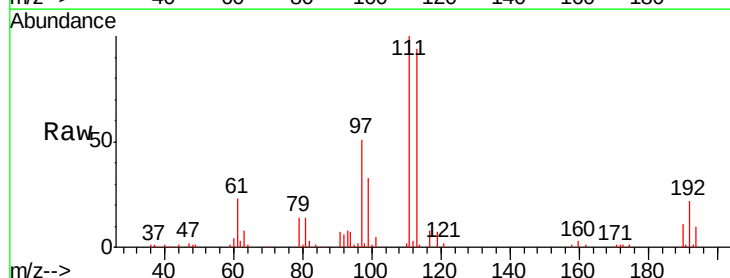
Tgt Ion: 97 Resp: 33832

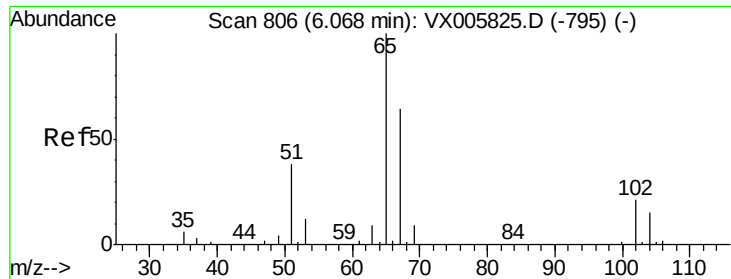
Ion Ratio Lower Upper

97 100

99 65.4 52.3 78.5

61 44.3 35.2 52.8





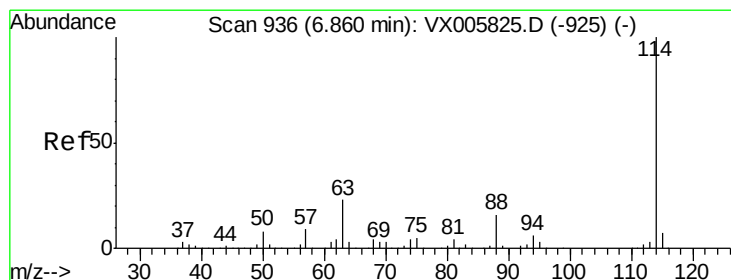
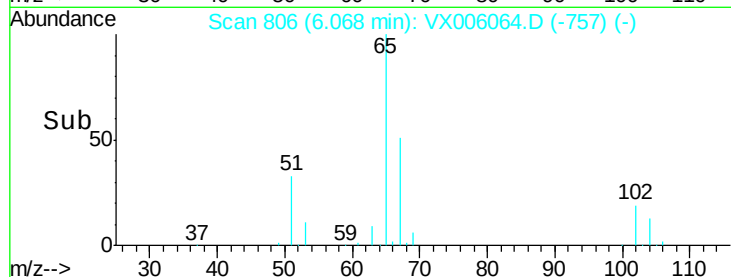
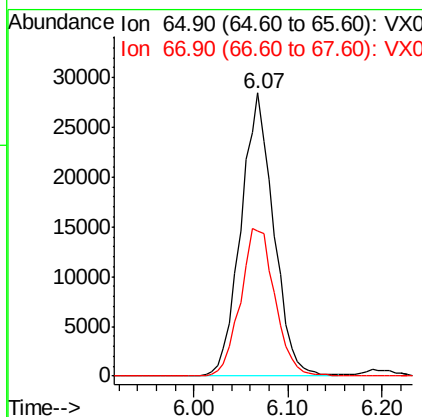
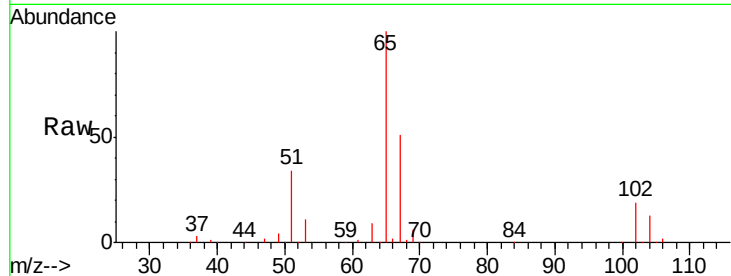
#33  
 1,2-Dichloroethane-d4  
 Concen: 51.37 ug/l  
 RT: 6.07 min Scan# 806  
 Delta R.T. -0.00 min  
 Lab File: VX006064.D  
 Acq: 17 Nov 2018 12:38

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX1117WBS01

Tgt Ion: 65 Resp: 69062  
 Ion Ratio Lower Upper  
 65 100  
 67 55.0 0.0 105.0

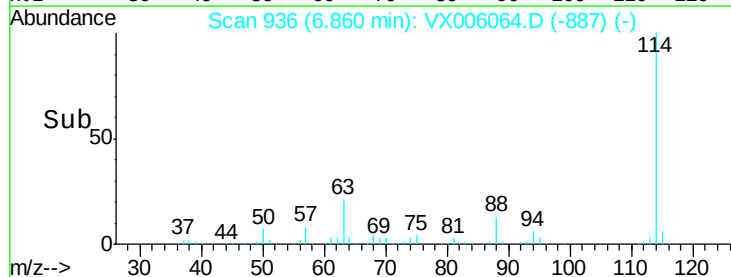
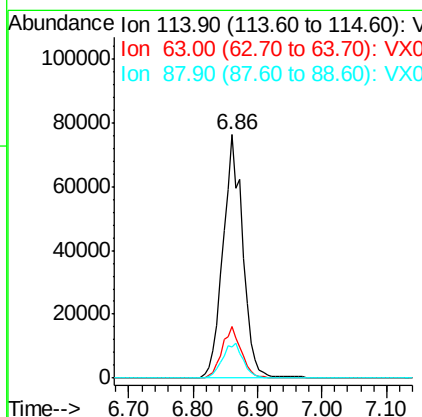
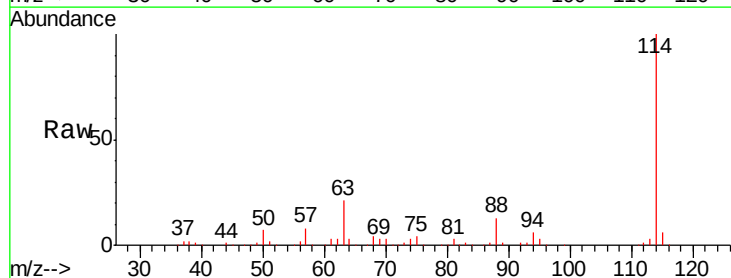
Manual Integrations  
 APPROVED

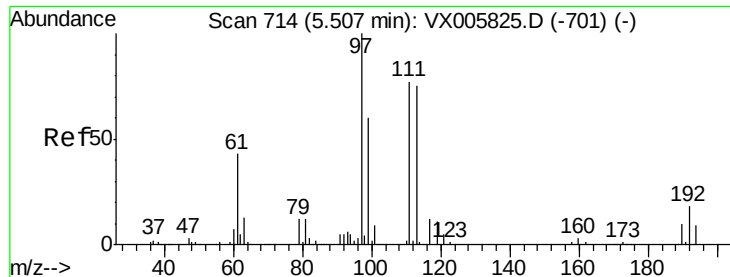
MMDadoda  
 11/19/2018 9:24:38 AM



#34  
 1,4-Difluorobenzene  
 Concen: 50.00 ug/l  
 RT: 6.86 min Scan# 936  
 Delta R.T. -0.00 min  
 Lab File: VX006064.D  
 Acq: 17 Nov 2018 12:38

Tgt Ion: 114 Resp: 166602  
 Ion Ratio Lower Upper  
 114 100  
 63 21.3 0.0 42.8  
 88 13.0 0.0 31.2





#35

Dibromofluoromethane

Concen: 50.99 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.01 min

Lab File: VX006064.D

Acq: 17 Nov 2018 12:38

Instrument :

MSVOA\_X

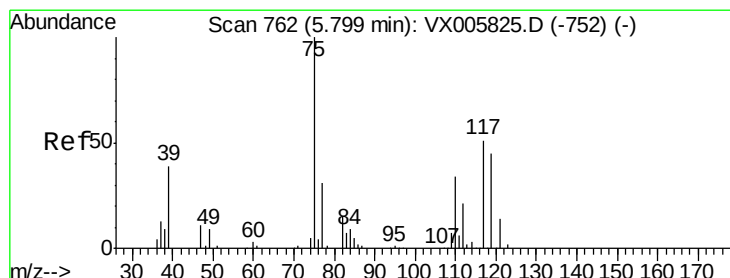
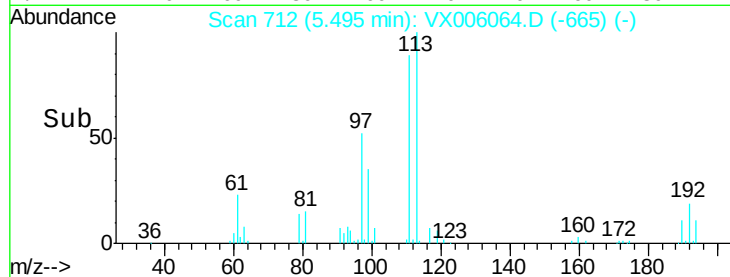
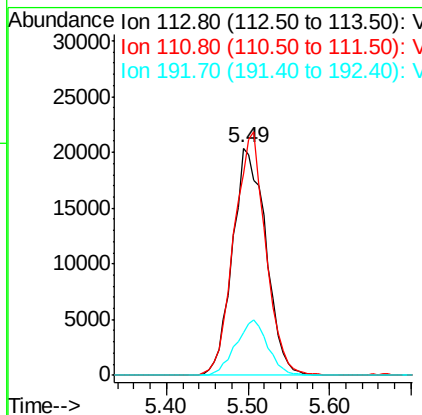
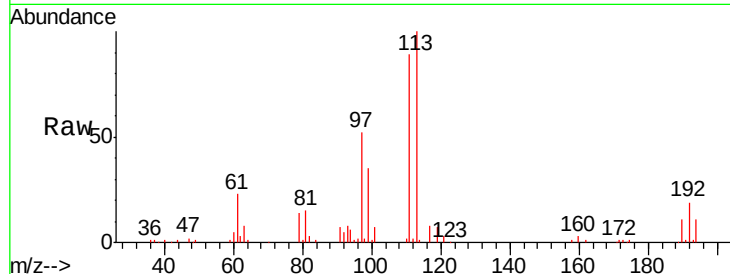
ClientSampleId :

VX1117WBS01

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 113   | Resp: | 57775 |
| Ion      | Ratio | Lower | Upper |
| 113      | 100   |       |       |
| 111      | 101.7 | 82.3  | 123.5 |
| 192      | 23.1  | 17.9  | 26.9  |

Manual Integrations  
APPROVED

MMDadoda  
11/19/2018 9:24:38 AM



#36

1,1-Dichloropropene

Concen: 18.21 ug/l

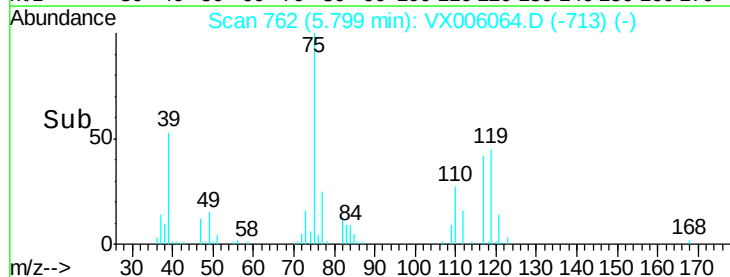
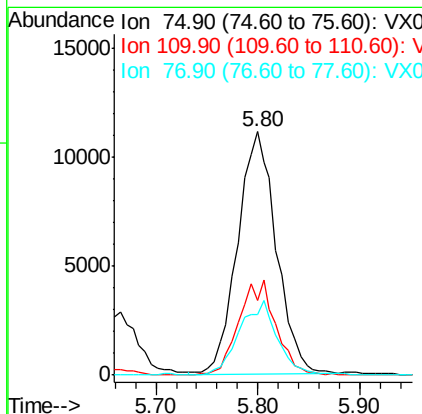
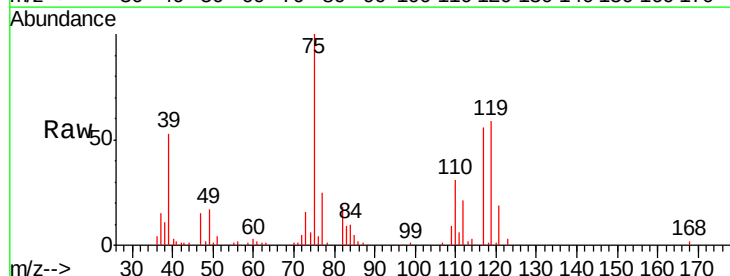
RT: 5.80 min Scan# 762

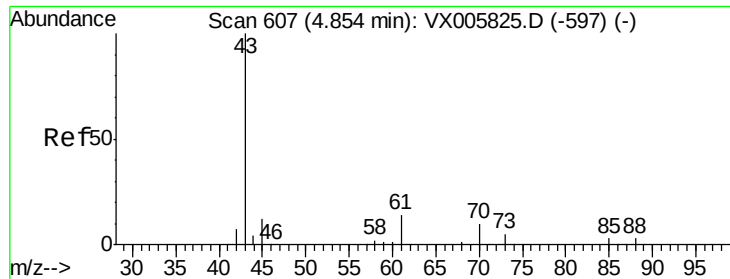
Delta R.T. -0.00 min

Lab File: VX006064.D

Acq: 17 Nov 2018 12:38

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 29252 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 110      | 37.4  | 17.4  | 52.2  |
| 77       | 30.4  | 25.8  | 38.6  |





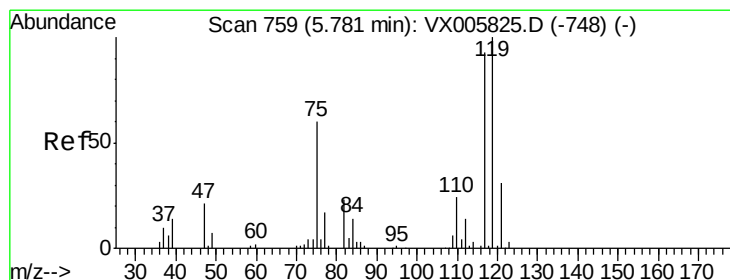
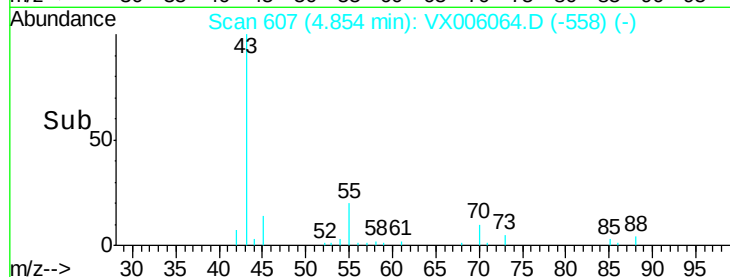
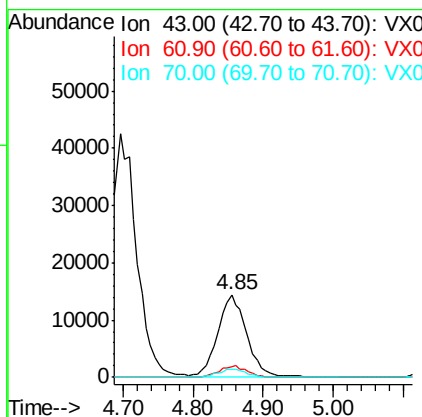
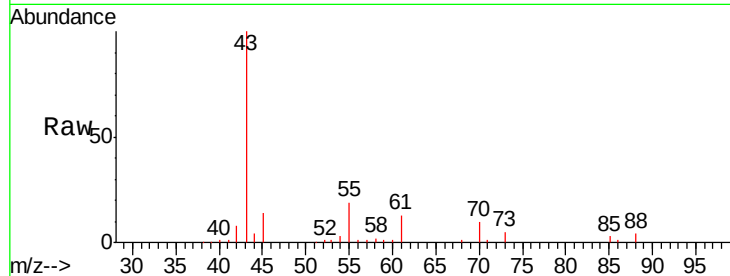
#37  
Ethyl Acetate  
Concen: 19.58 ug/l  
RT: 4.85 min Scan# 607  
Delta R.T. -0.00 min  
Lab File: VX006064.D  
Acq: 17 Nov 2018 12:38

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1117WBS01

Tgt Ion: 43 Resp: 41353  
Ion Ratio Lower Upper  
43 100  
61 13.5 10.8 16.2  
70 9.7 7.8 11.8

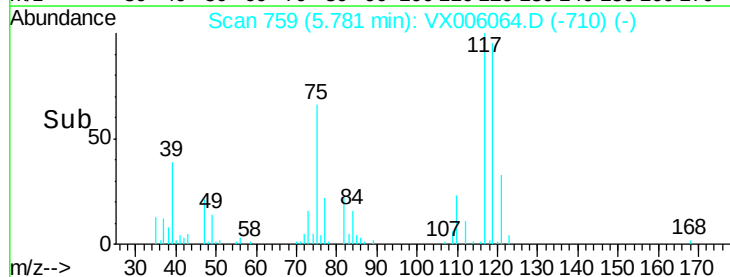
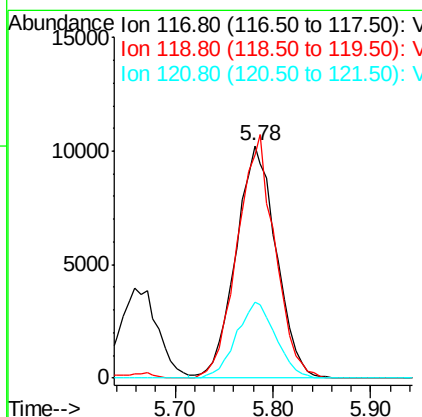
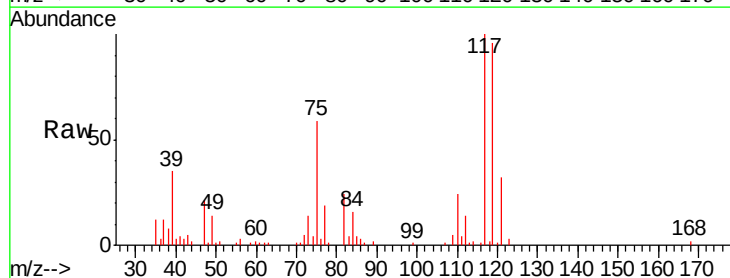
Manual Integrations  
APPROVED

MMDadoda  
11/19/2018 9:24:38 AM

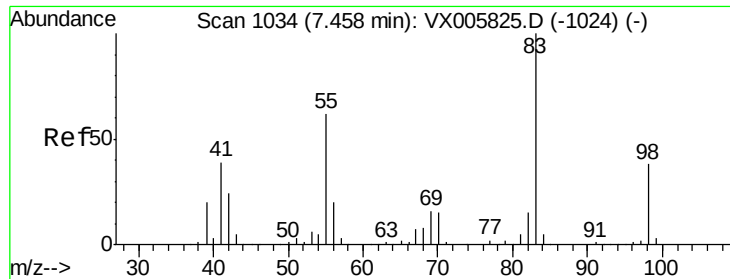


#38  
Carbon Tetrachloride  
Concen: 18.25 ug/l  
RT: 5.78 min Scan# 759  
Delta R.T. -0.00 min  
Lab File: VX006064.D  
Acq: 17 Nov 2018 12:38

Tgt Ion: 117 Resp: 29341  
Ion Ratio Lower Upper  
117 100  
119 96.1 78.1 117.1  
121 32.5 24.6 36.8







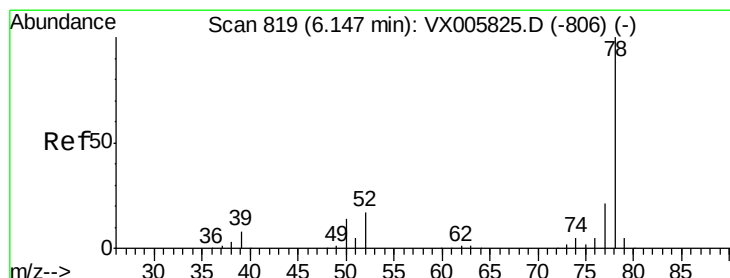
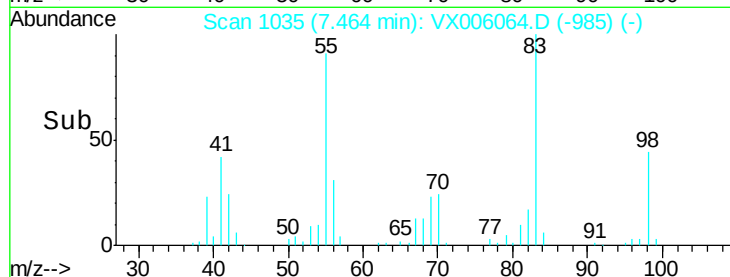
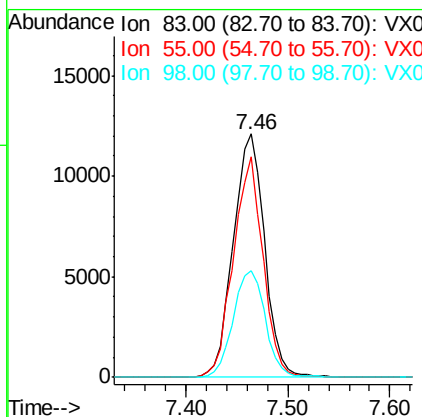
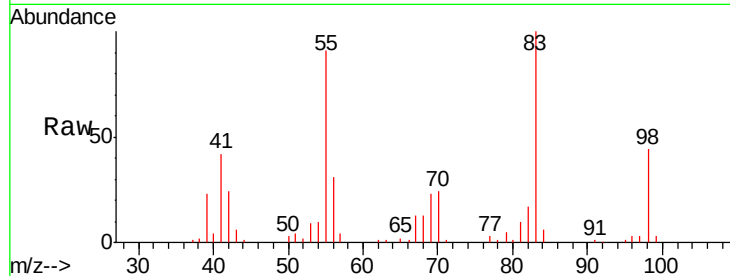
#39  
Methylcyclohexane  
Concen: 15.84 ug/l  
RT: 7.46 min Scan# 1035  
Delta R.T. 0.01 min  
Lab File: VX006064.D  
Acq: 17 Nov 2018 12:38

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1117WBS01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 90.6  | 63.7  | 95.5  |
| 98      | 43.9  | 36.2  | 54.2  |

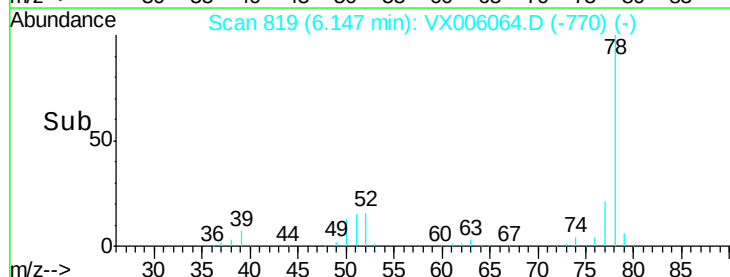
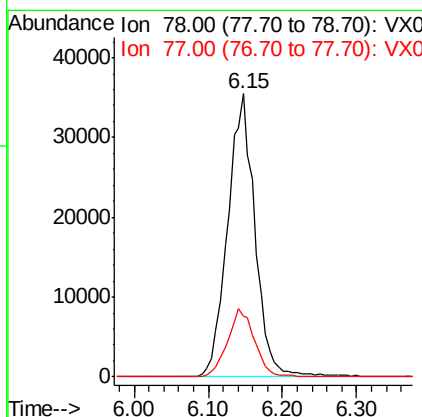
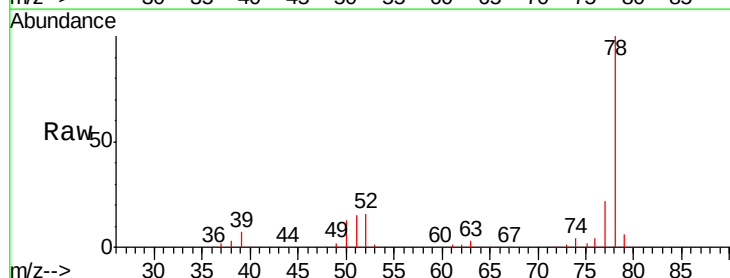
Manual Integrations  
APPROVED

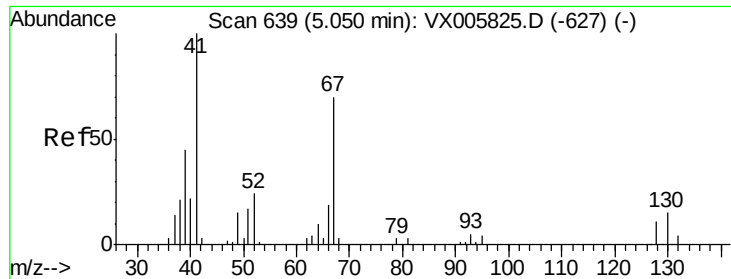
MMDadoda  
11/19/2018 9:24:38 AM



#40  
Benzene  
Concen: 19.38 ug/l  
RT: 6.15 min Scan# 819  
Delta R.T. -0.00 min  
Lab File: VX006064.D  
Acq: 17 Nov 2018 12:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 21.6  | 18.4  | 27.6  |





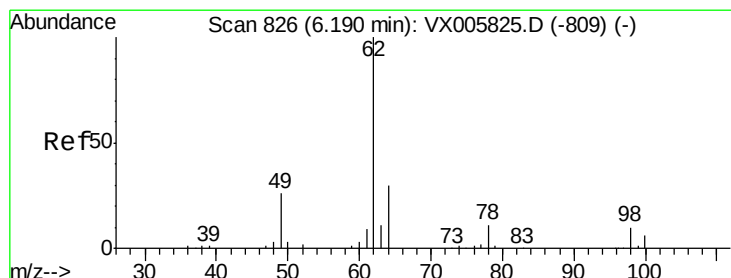
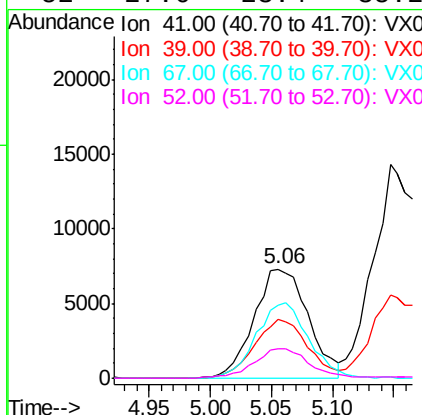
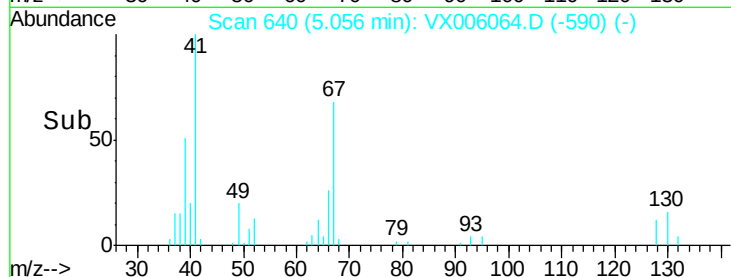
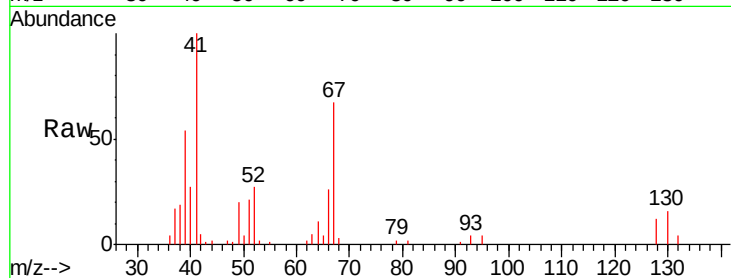
#41  
Methacrylonitrile  
Concen: 19.86 ug/l  
RT: 5.06 min Scan# 640  
Delta R.T. 0.01 min  
Lab File: VX006064.D  
Acq: 17 Nov 2018 12:38

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1117WBS01

| Tgt Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 41      | 100  |       |       |       |
| 39      | 52.7 | 42.2  | 63.2  |       |
| 67      | 66.5 | 53.4  | 80.0  |       |
| 52      | 27.6 | 23.4  | 35.2  |       |

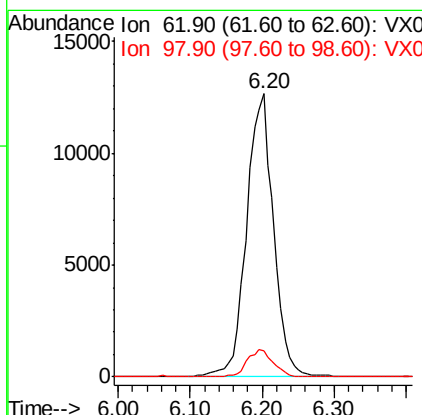
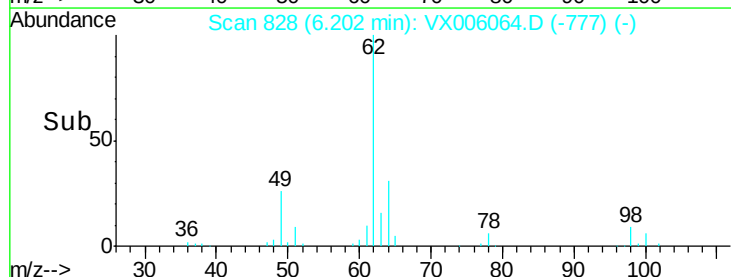
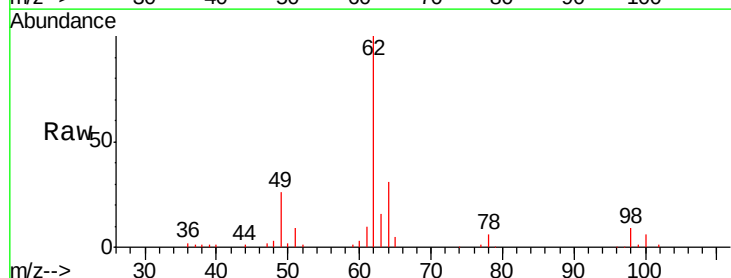
Manual Integrations  
APPROVED

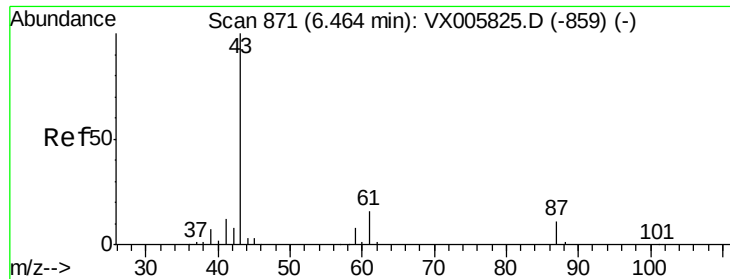
MMDadoda  
11/19/2018 9:24:38 AM



#42  
1,2-Dichloroethane  
Concen: 19.59 ug/l  
RT: 6.20 min Scan# 828  
Delta R.T. 0.01 min  
Lab File: VX006064.D  
Acq: 17 Nov 2018 12:38

| Tgt Ion | Ion | Ratio | Lower | Upper |
|---------|-----|-------|-------|-------|
| 62      | 100 |       |       |       |
| 98      | 9.3 | 0.0   | 17.8  |       |





#43

Isopropyl Acetate

Concen: 18.51 ug/l

RT: 6.46 min Scan# 870

Delta R.T. -0.01 min

Lab File: VX006064.D

Acq: 17 Nov 2018 12:38

Instrument :

MSVOA\_X

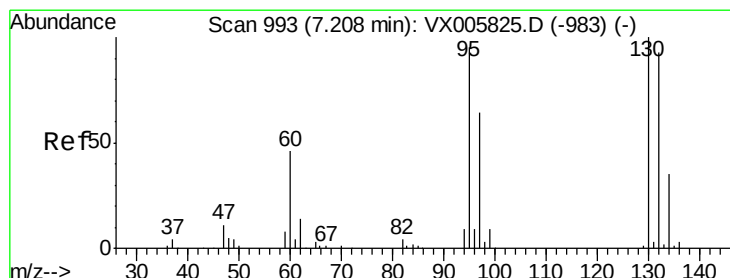
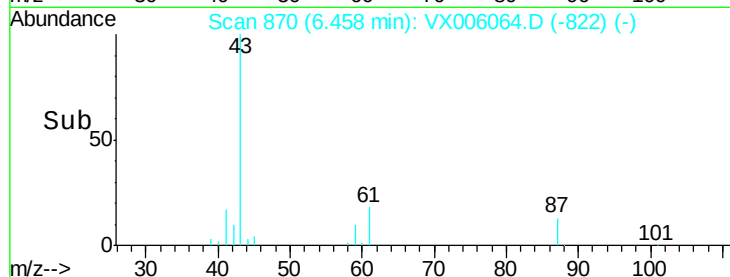
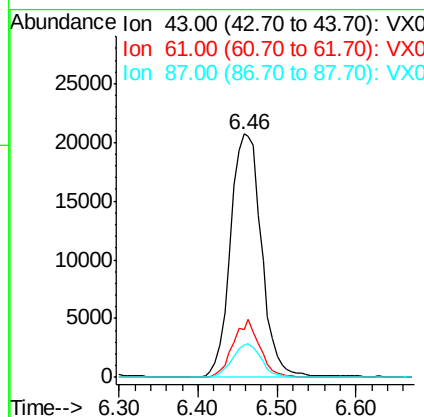
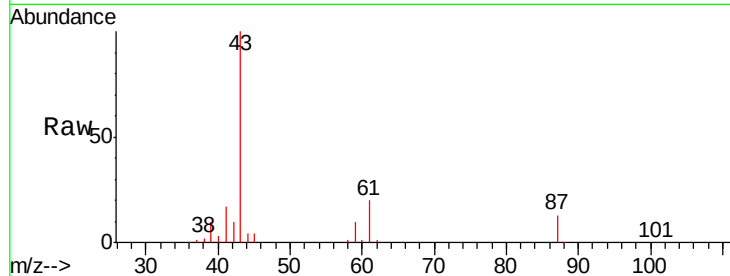
ClientSampleId :

VX1117WBS01

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 56649 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 61       | 20.2  | 14.6  | 22.0  |
| 87       | 12.7  | 9.6   | 14.4  |

Manual Integrations  
APPROVED

MMDadoda  
11/19/2018 9:24:38 AM



#44

Trichloroethene

Concen: 17.98 ug/l

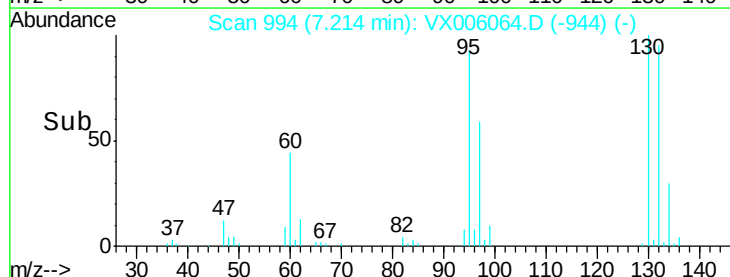
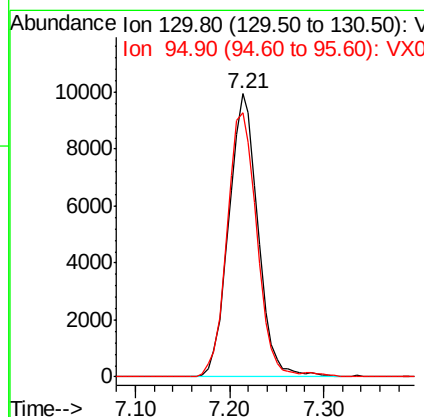
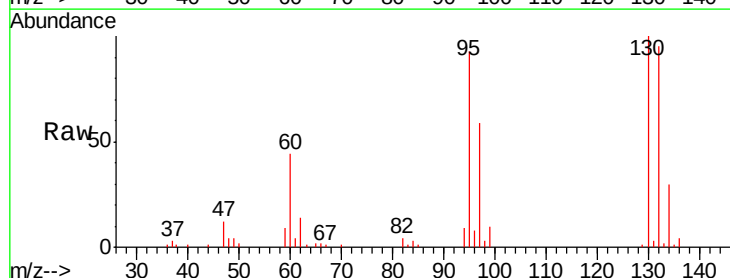
RT: 7.21 min Scan# 994

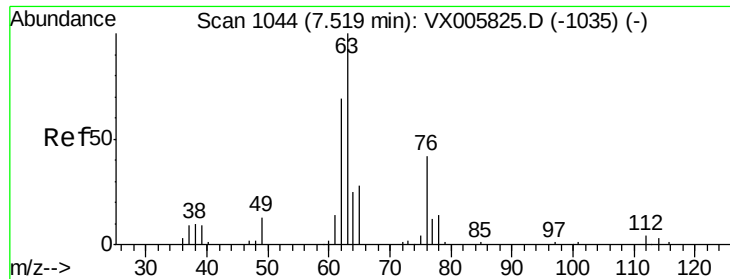
Delta R.T. 0.01 min

Lab File: VX006064.D

Acq: 17 Nov 2018 12:38

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 130   | Resp: | 21374 |
| Ion      | Ratio | Lower | Upper |
| 130      | 100   |       |       |
| 95       | 93.5  | 0.0   | 194.2 |





#45

1,2-Dichloropropane

Concen: 19.59 ug/l

RT: 7.52 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VX006064.D

Acq: 17 Nov 2018 12:38

Instrument :

MSVOA\_X

ClientSampleId :

VX1117WBS01

Tgt Ion: 63 Resp: 22267

Ion Ratio Lower Upper

63 100

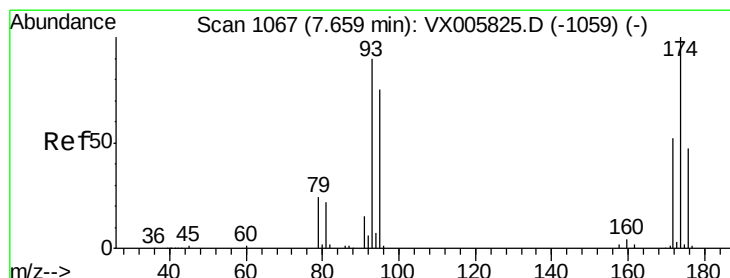
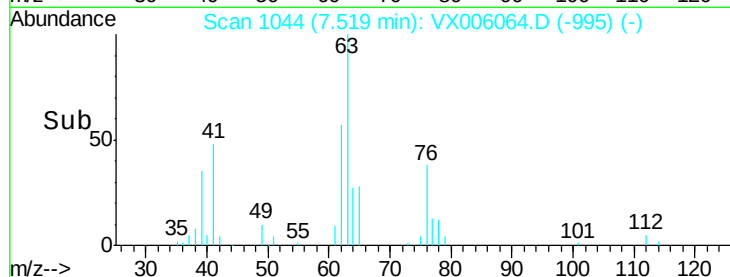
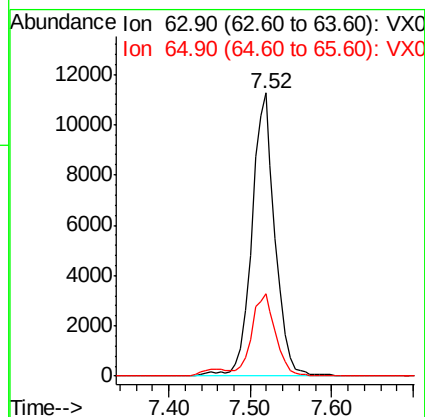
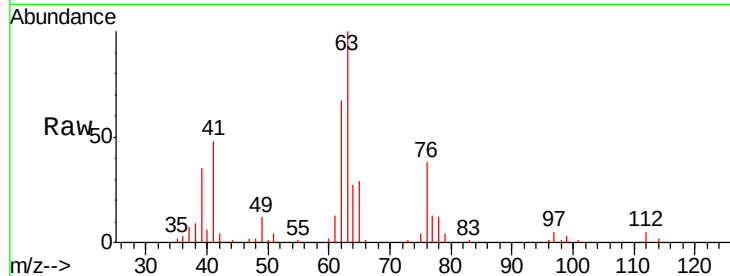
65 29.1 24.8 37.2

Manual Integrations

APPROVED

MMDadoda

11/19/2018 9:24:38 AM



#46

Dibromomethane

Concen: 19.33 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VX006064.D

Acq: 17 Nov 2018 12:38

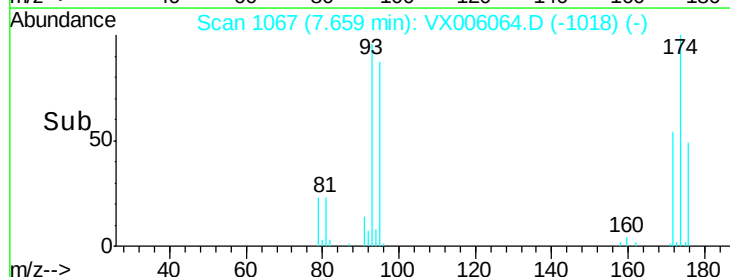
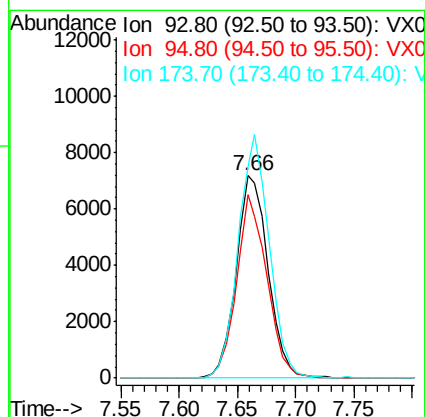
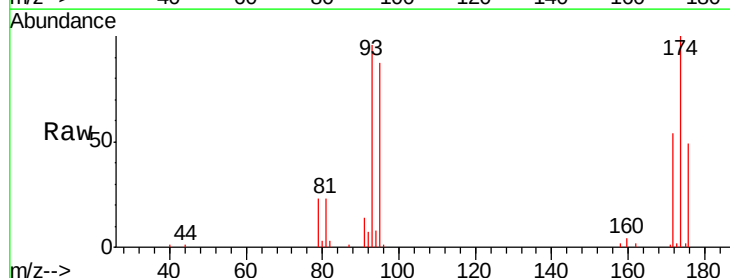
Tgt Ion: 93 Resp: 13782

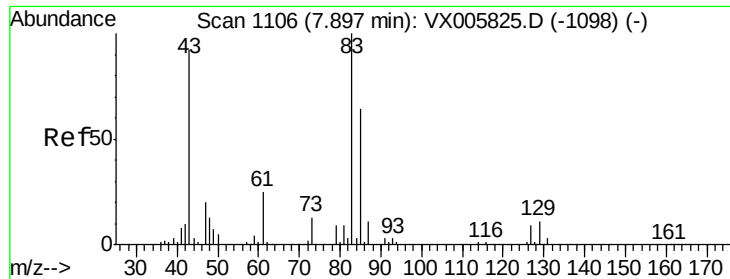
Ion Ratio Lower Upper

93 100

95 85.5 67.4 101.0

174 116.2 91.5 137.3





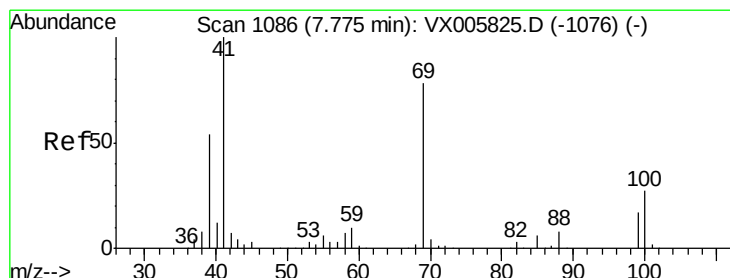
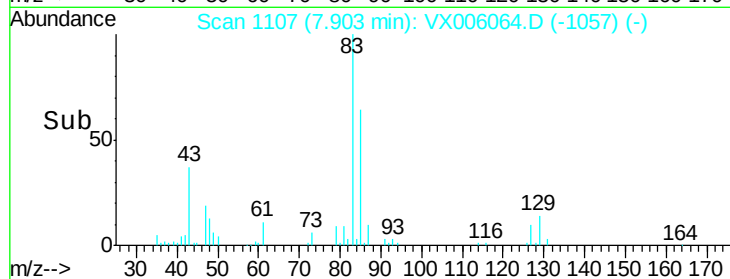
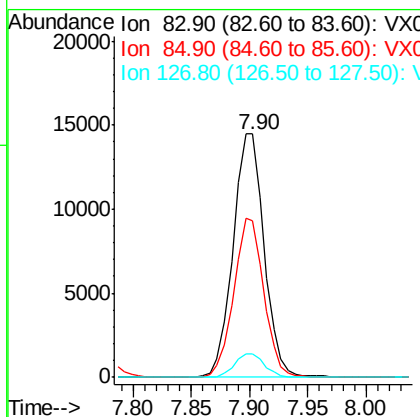
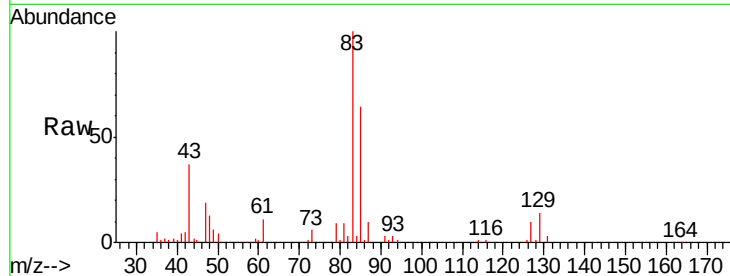
#47  
Bromodichloromethane  
Concen: 19.95 ug/l  
RT: 7.90 min Scan# 1107  
Delta R.T. 0.01 min  
Lab File: VX006064.D  
Acq: 17 Nov 2018 12:38

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1117WBS01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 64.1  | 50.2  | 75.4  |
| 127     | 9.7   | 6.9   | 10.3  |

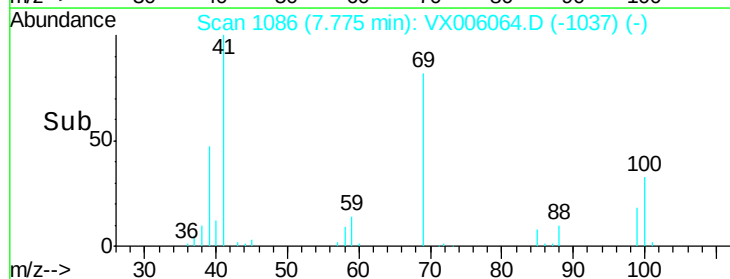
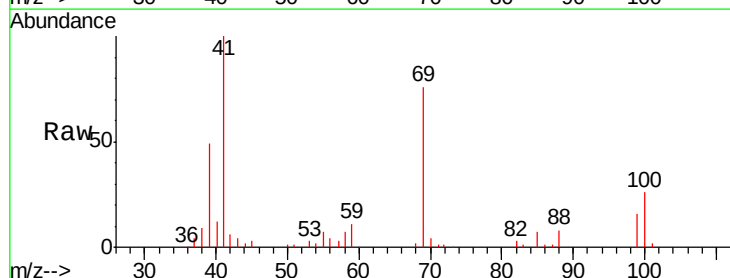
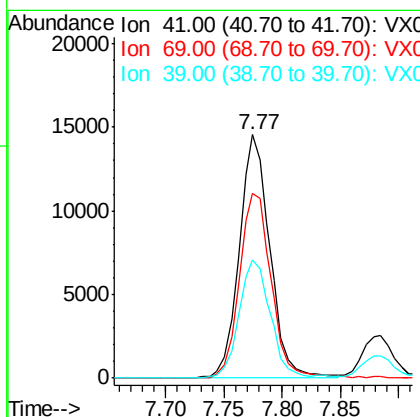
Manual Integrations  
APPROVED

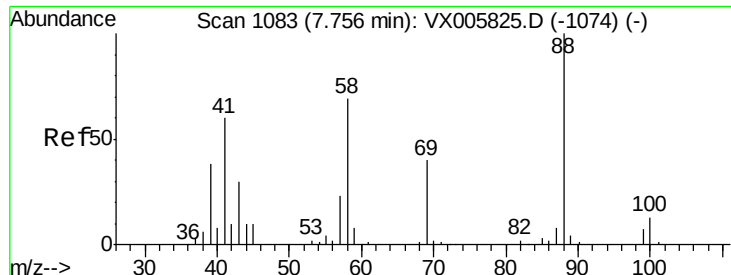
MMDadoda  
11/19/2018 9:24:38 AM



#48  
Methyl methacrylate  
Concen: 19.42 ug/l  
RT: 7.77 min Scan# 1086  
Delta R.T. -0.00 min  
Lab File: VX006064.D  
Acq: 17 Nov 2018 12:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 41      | 100   |       |       |
| 69      | 78.9  | 63.2  | 94.8  |
| 39      | 49.9  | 42.2  | 63.2  |





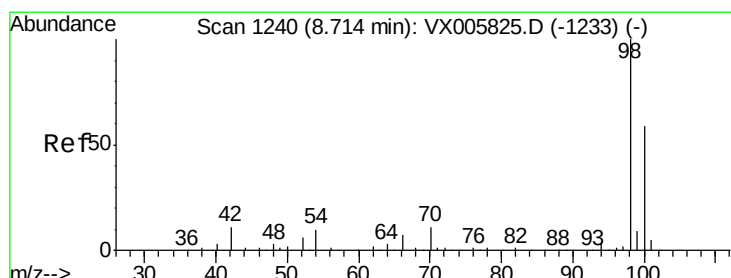
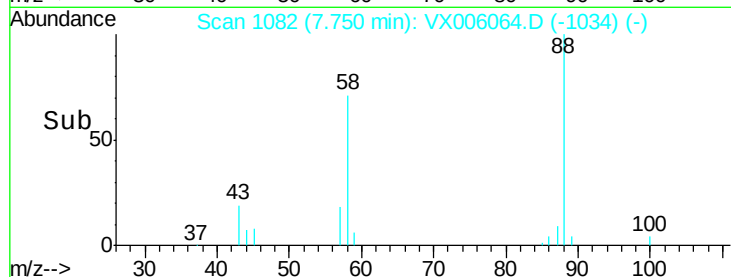
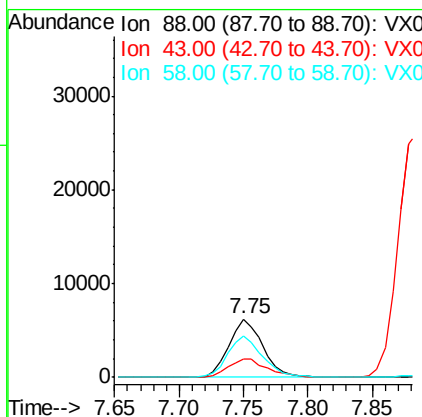
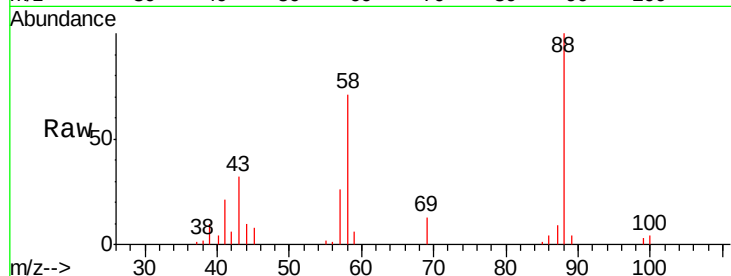
#49  
1,4-Dioxane  
Concen: 386.91 ug/l  
RT: 7.75 min Scan# 1082  
Delta R.T. -0.01 min  
Lab File: VX006064.D  
Acq: 17 Nov 2018 12:38

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1117WBS01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 37.2  | 27.4  | 41.0  |
| 58      | 73.5  | 59.4  | 89.2  |

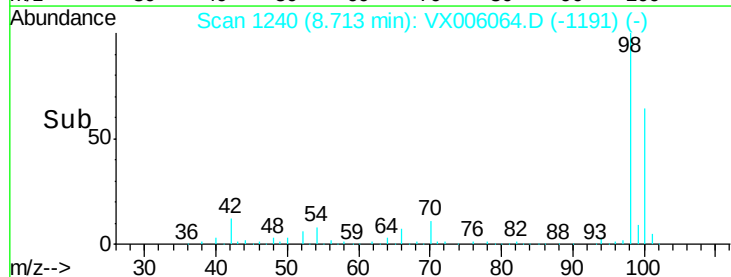
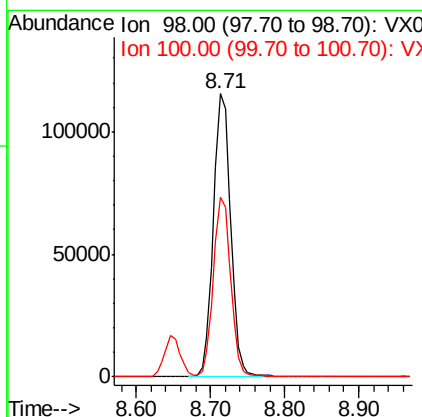
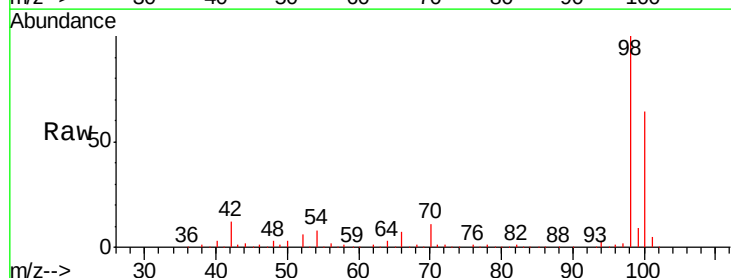
Manual Integrations  
APPROVED

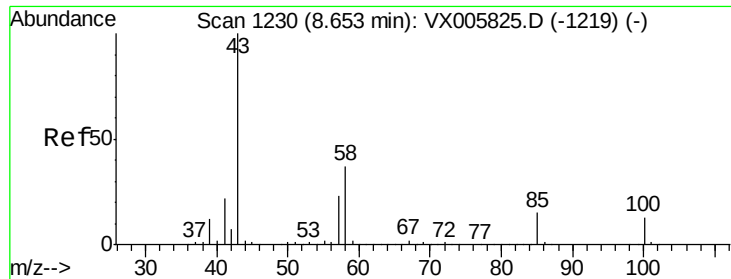
MMDadoda  
11/19/2018 9:24:38 AM



#50  
Toluene-d8  
Concen: 49.19 ug/l  
RT: 8.71 min Scan# 1240  
Delta R.T. -0.00 min  
Lab File: VX006064.D  
Acq: 17 Nov 2018 12:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 63.7  | 51.3  | 76.9  |





#51

4-Methyl-2-Pentanone

Concen: 96.33 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. -0.01 min

Lab File: VX006064.D

Acq: 17 Nov 2018 12:38

Instrument :

MSVOA\_X

ClientSampleId :

VX1117WBS01

Tgt Ion: 43 Resp: 185796

Ion Ratio Lower Upper

43 100

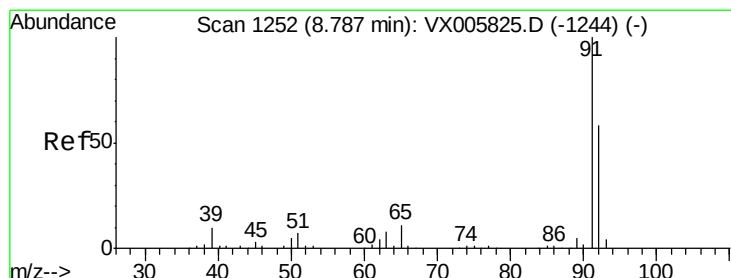
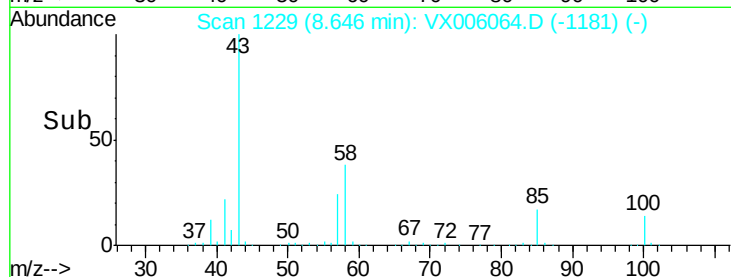
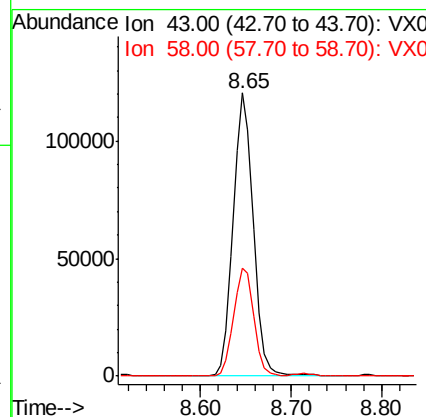
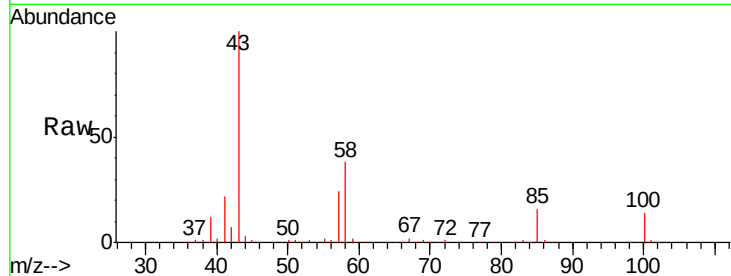
58 38.1 29.7 44.5

Manual Integrations

APPROVED

MMDadoda

11/19/2018 9:24:38 AM



#52

Toluene

Concen: 18.43 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX006064.D

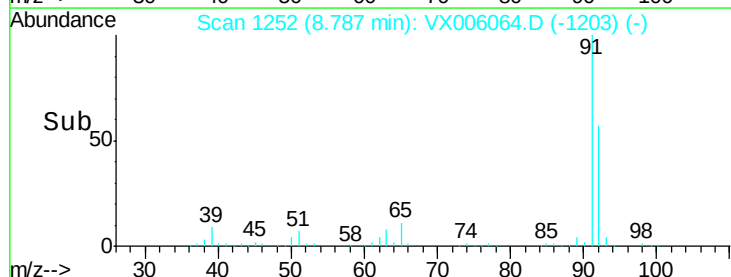
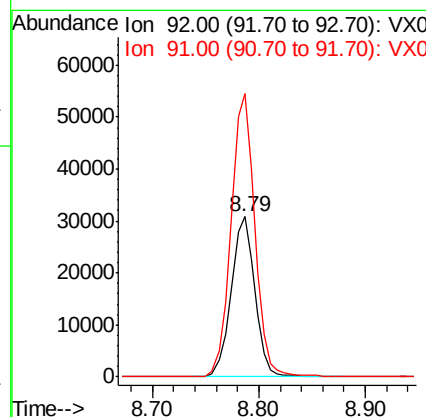
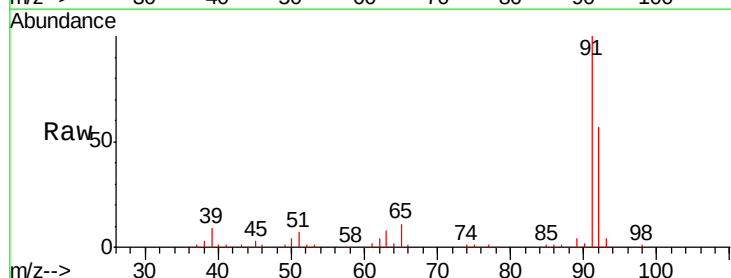
Acq: 17 Nov 2018 12:38

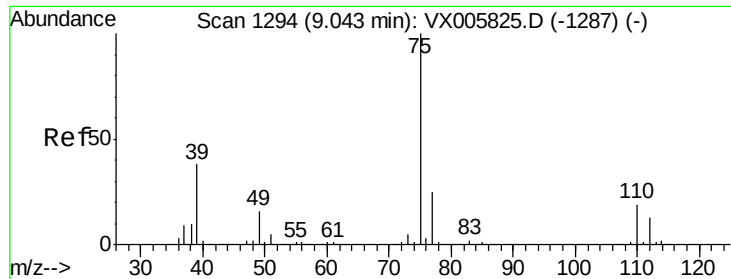
Tgt Ion: 92 Resp: 48230

Ion Ratio Lower Upper

92 100

91 177.4 140.4 210.6





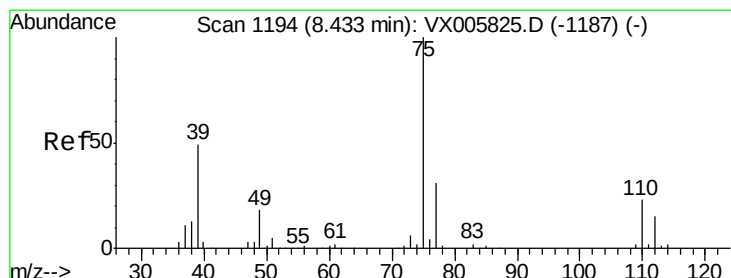
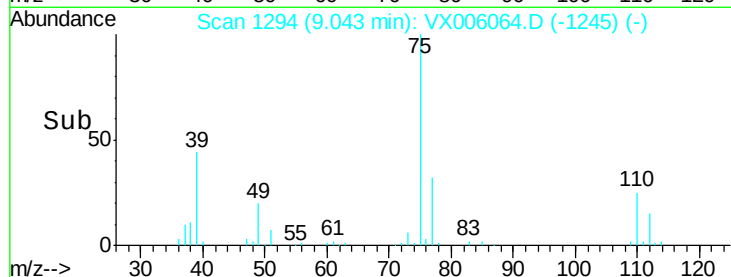
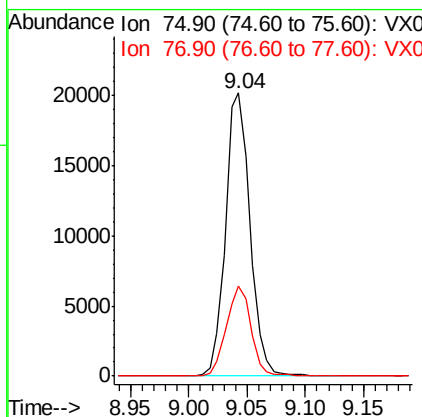
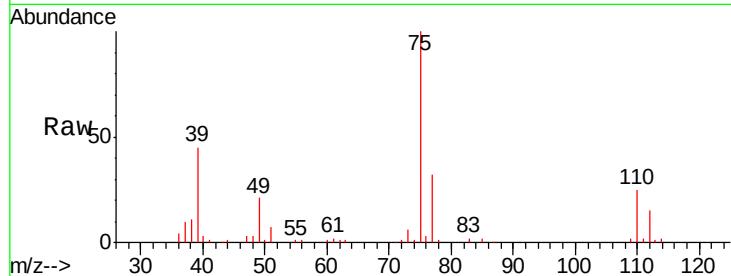
#53  
t-1,3-Dichloropropene  
Concen: 18.51 ug/l  
RT: 9.04 min Scan# 1294  
Delta R.T. -0.00 min  
Lab File: VX006064.D  
Acq: 17 Nov 2018 12:38

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1117WBS01

Tgt Ion: 75 Resp: 29443  
Ion Ratio Lower Upper  
75 100  
77 31.8 25.4 38.2

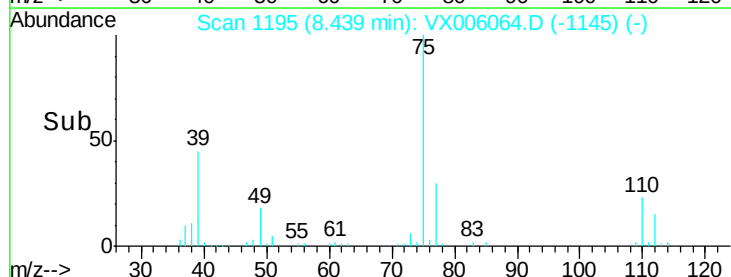
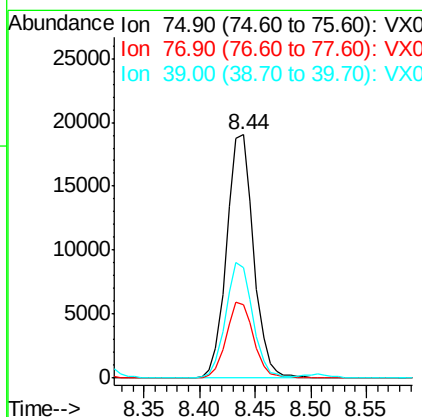
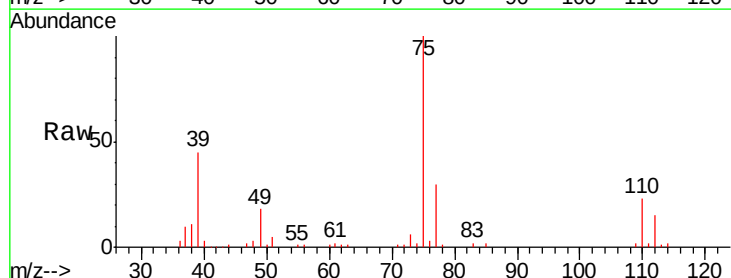
Manual Integrations  
APPROVED

MMDadoda  
11/19/2018 9:24:38 AM

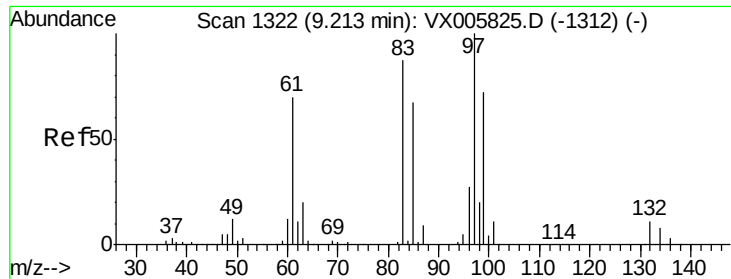


#54  
cis-1,3-Dichloropropene  
Concen: 19.67 ug/l  
RT: 8.44 min Scan# 1195  
Delta R.T. 0.01 min  
Lab File: VX006064.D  
Acq: 17 Nov 2018 12:38

Tgt Ion: 75 Resp: 31890  
Ion Ratio Lower Upper  
75 100  
77 30.2 25.2 37.8  
39 45.0 38.2 57.2







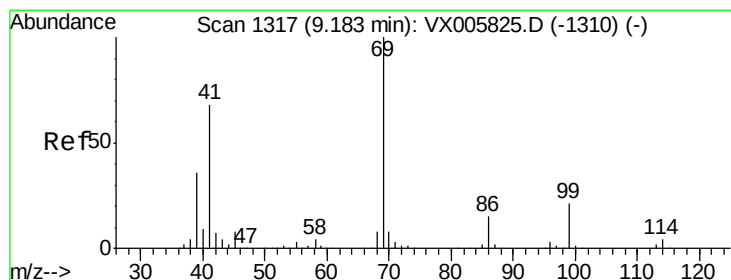
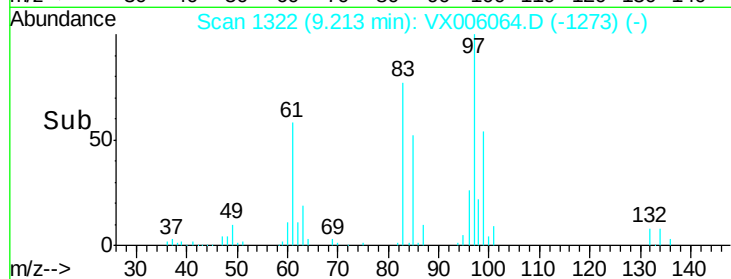
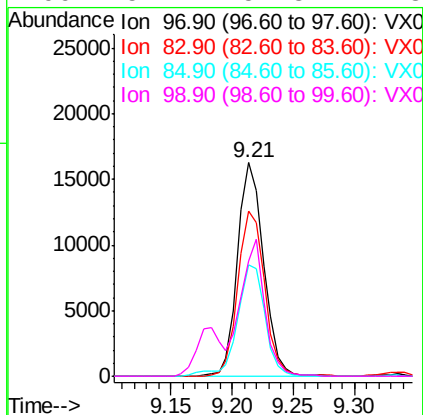
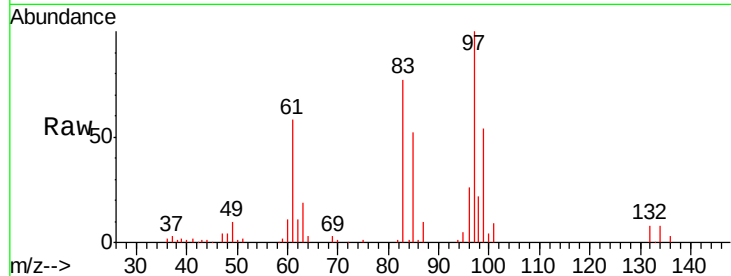
#55  
 1,1,2-Trichloroethane  
 Concen: 20.62 ug/l  
 RT: 9.21 min Scan# 1322  
 Delta R.T. -0.00 min  
 Lab File: VX006064.D  
 Acq: 17 Nov 2018 12:38

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX1117WBS01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 83      | 77.2  | 70.7  | 106.1 |
| 85      | 52.0  | 45.8  | 68.6  |
| 99      | 54.2  | 51.8  | 77.8  |

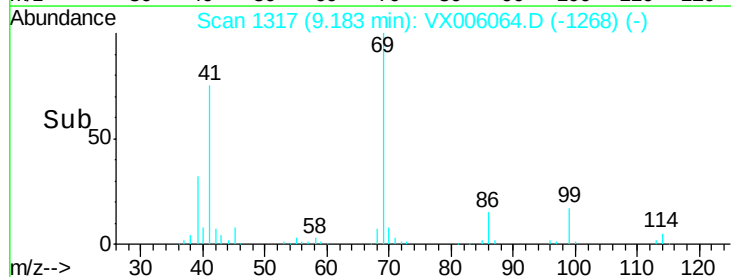
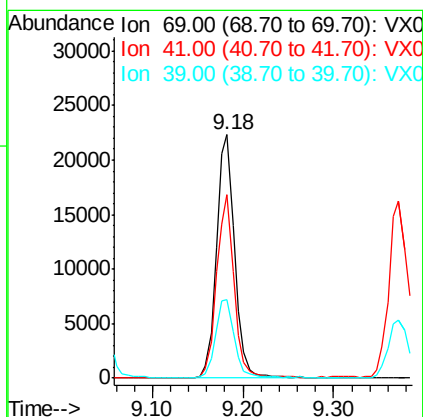
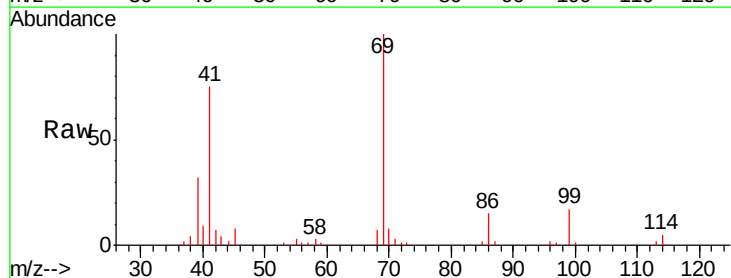
Manual Integrations  
 APPROVED

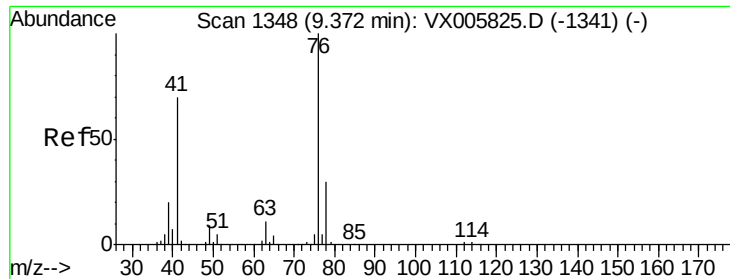
MMDadoda  
 11/19/2018 9:24:38 AM



#56  
 Ethyl methacrylate  
 Concen: 17.94 ug/l  
 RT: 9.18 min Scan# 1317  
 Delta R.T. -0.00 min  
 Lab File: VX006064.D  
 Acq: 17 Nov 2018 12:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 69      | 100   |       |       |
| 41      | 72.7  | 57.0  | 85.6  |
| 39      | 33.8  | 28.3  | 42.5  |





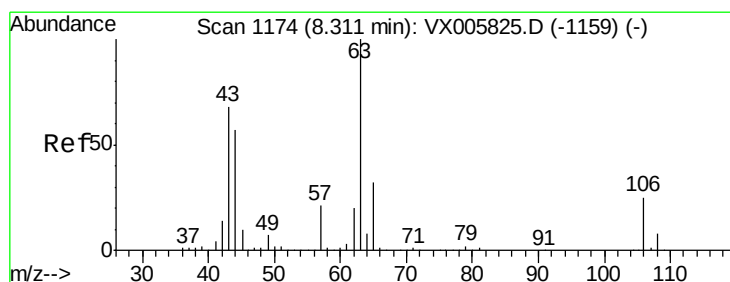
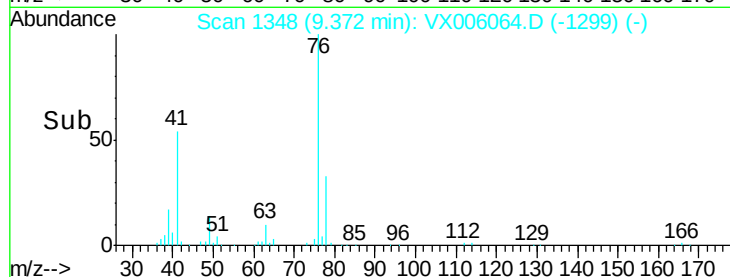
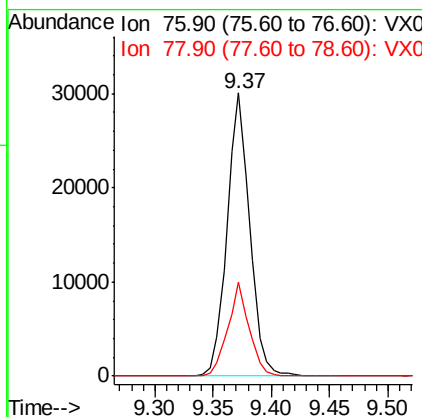
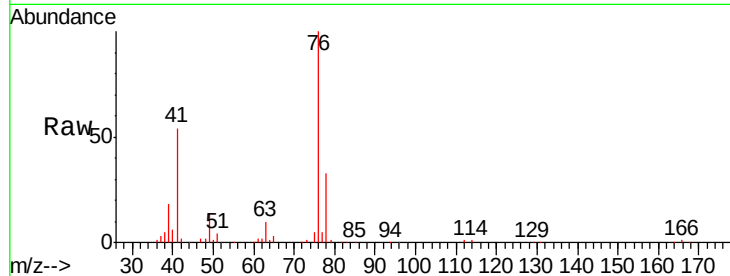
#57  
 1,3-Dichloropropane  
 Concen: 20.78 ug/l  
 RT: 9.37 min Scan# 1348  
 Delta R.T. -0.00 min  
 Lab File: VX006064.D  
 Acq: 17 Nov 2018 12:38

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX1117WBS01

Tgt Ion: 76 Resp: 40718  
 Ion Ratio Lower Upper  
 76 100  
 78 31.3 25.3 37.9

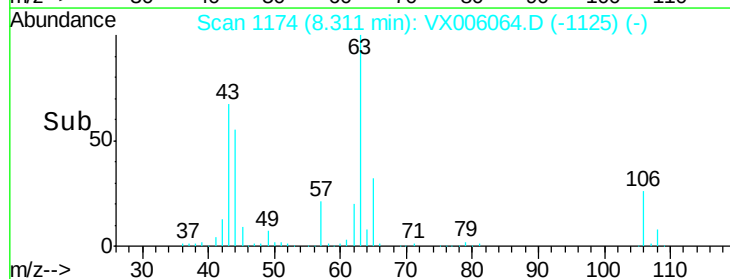
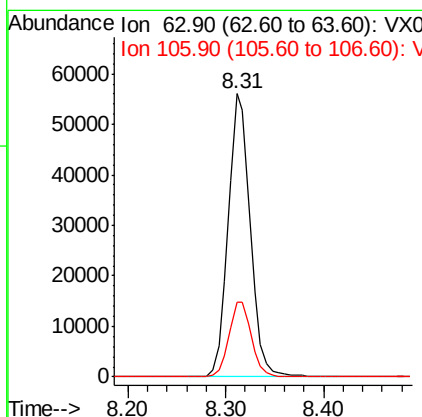
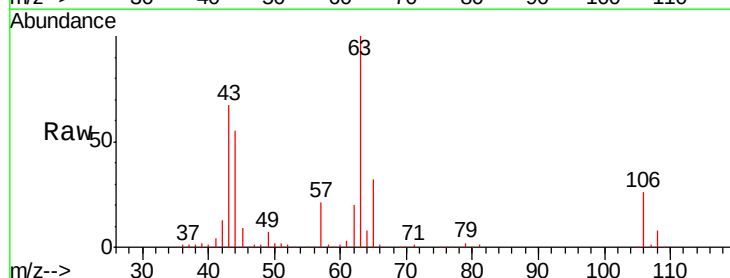
Manual Integrations  
 APPROVED

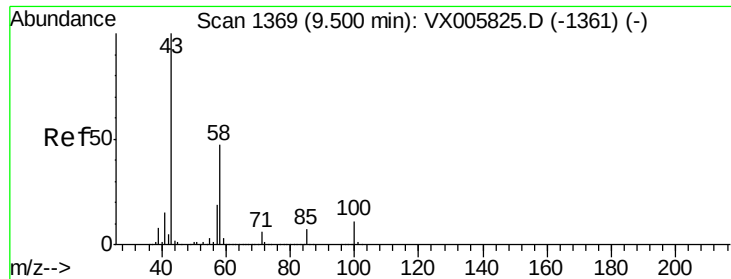
MMDadoda  
 11/19/2018 9:24:38 AM



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 97.44 ug/l  
 RT: 8.31 min Scan# 1174  
 Delta R.T. 0.00 min  
 Lab File: VX006064.D  
 Acq: 17 Nov 2018 12:38

Tgt Ion: 63 Resp: 87678  
 Ion Ratio Lower Upper  
 63 100  
 106 27.0 21.3 31.9





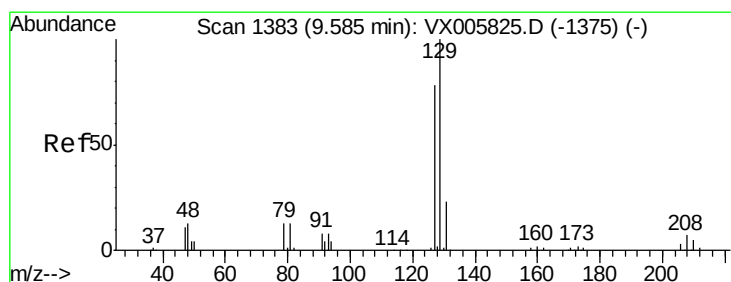
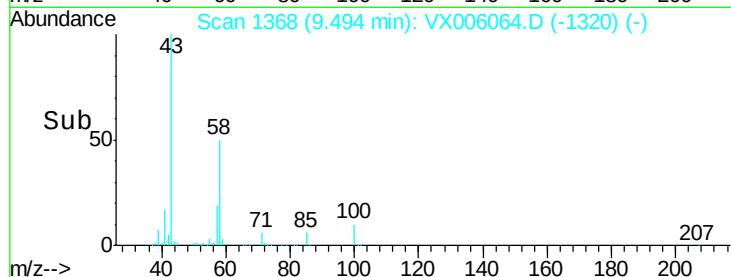
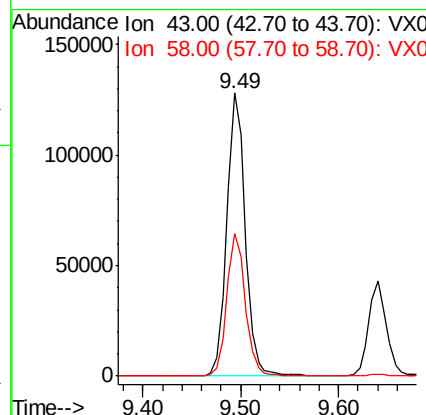
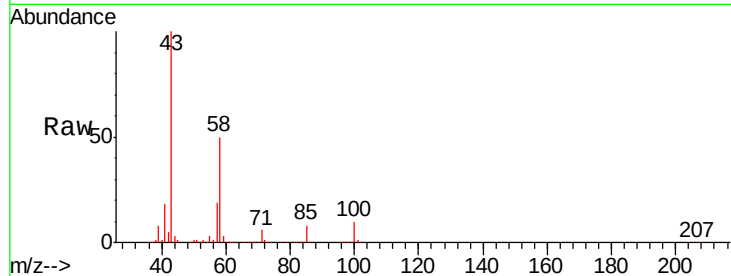
#59  
2-Hexanone  
Concen: 98.93 ug/l  
RT: 9.49 min Scan# 1368  
Delta R.T. -0.01 min  
Lab File: VX006064.D  
Acq: 17 Nov 2018 12:38

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1117WBS01

Tgt Ion: 43 Resp: 168191  
Ion Ratio Lower Upper  
43 100  
58 50.8 25.9 77.8

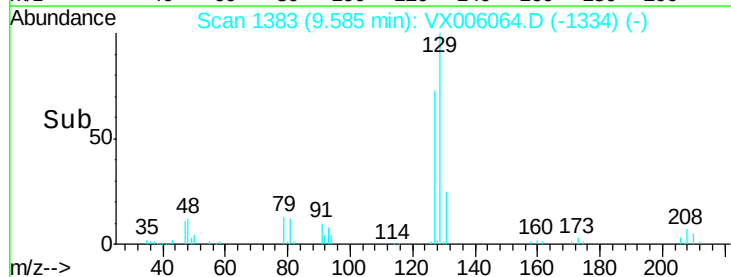
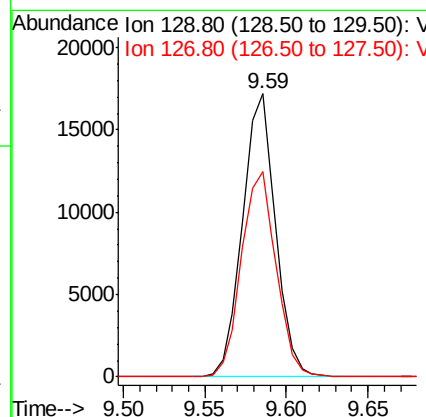
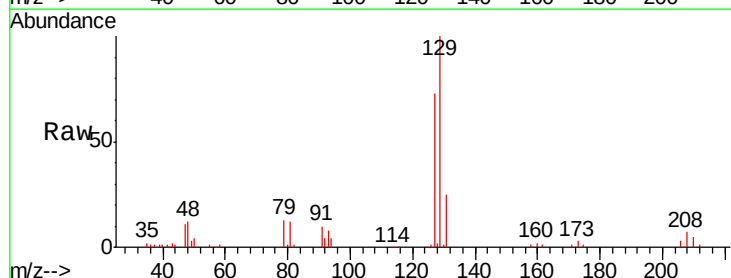
Manual Integrations  
APPROVED

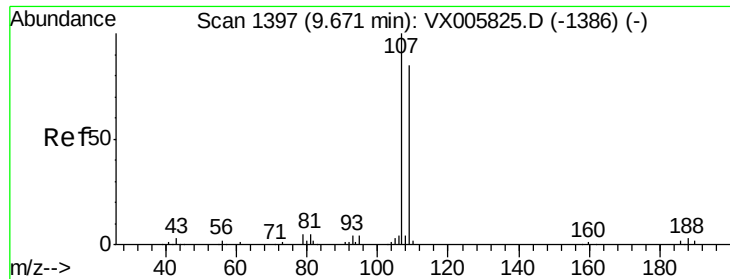
MMDadoda  
11/19/2018 9:24:38 AM



#60  
Dibromochloromethane  
Concen: 19.27 ug/l  
RT: 9.59 min Scan# 1383  
Delta R.T. -0.00 min  
Lab File: VX006064.D  
Acq: 17 Nov 2018 12:38

Tgt Ion: 129 Resp: 24292  
Ion Ratio Lower Upper  
129 100  
127 75.9 38.9 116.7





#61

1,2-Dibromoethane

Concen: 19.92 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX006064.D

Acq: 17 Nov 2018 12:38

Instrument :

MSVOA\_X

ClientSampleId :

VX1117WBS01

Tgt Ion: 107 Resp: 25688

Ion Ratio Lower Upper

107 100

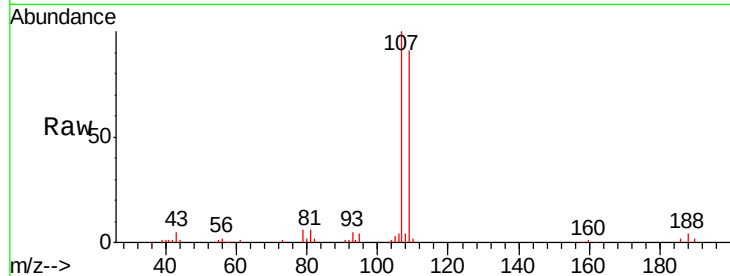
109 96.1 75.7 113.5

Manual Integrations

APPROVED

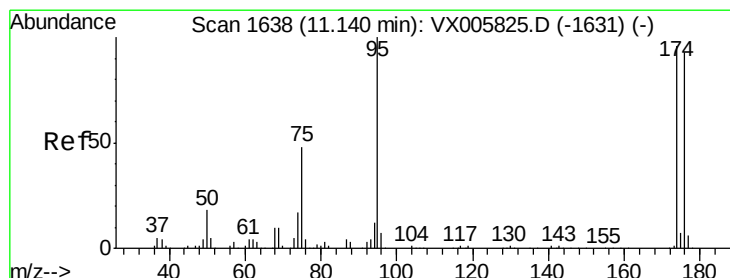
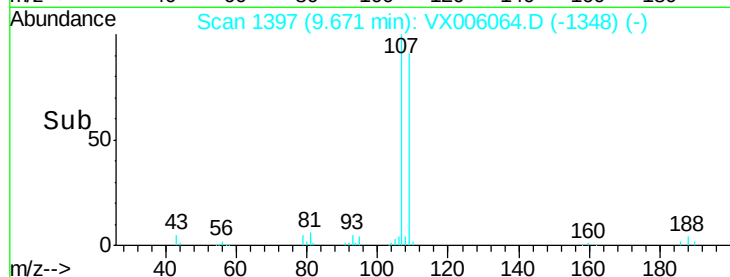
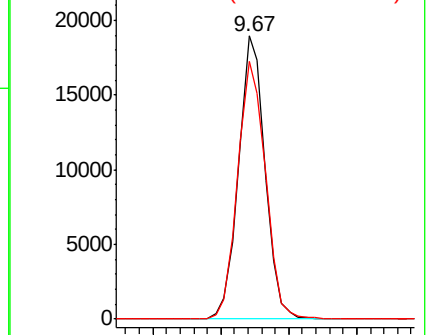
MMDadoda

11/19/2018 9:24:38 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 50.52 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX006064.D

Acq: 17 Nov 2018 12:38

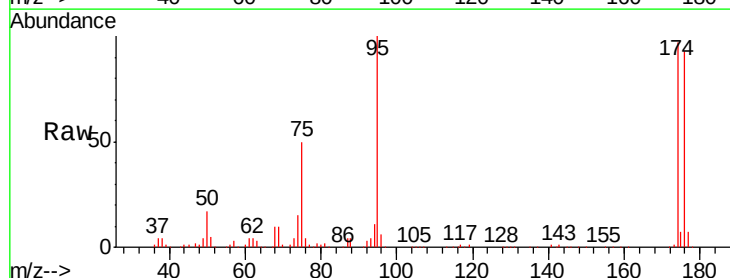
Tgt Ion: 95 Resp: 68431

Ion Ratio Lower Upper

95 100

174 91.6 0.0 184.4

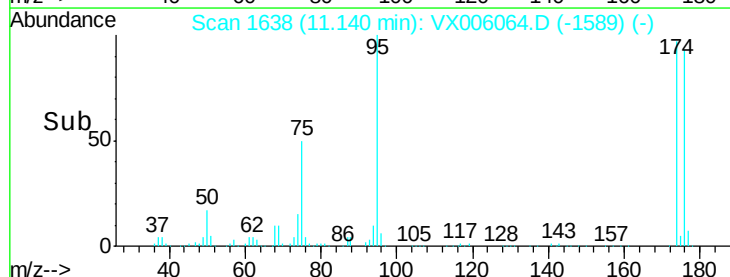
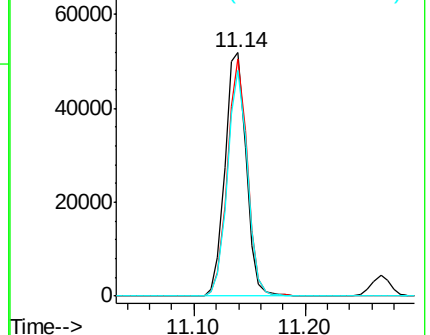
176 88.0 0.0 177.4

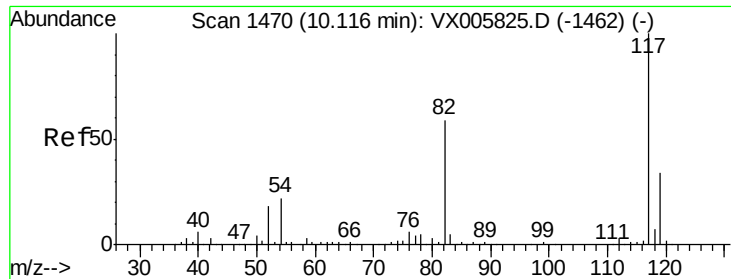


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.01 min

Lab File: VX006064.D

Acq: 17 Nov 2018 12:38

Instrument :

MSVOA\_X

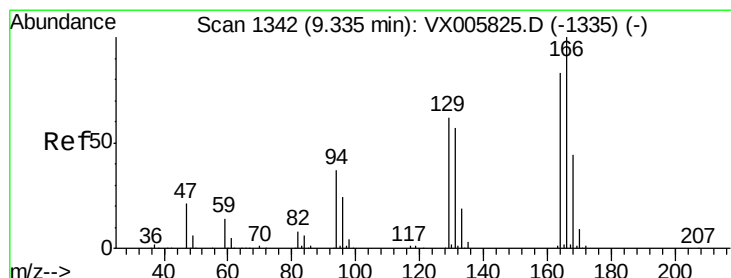
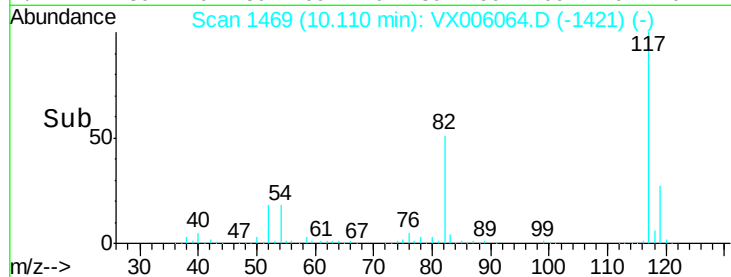
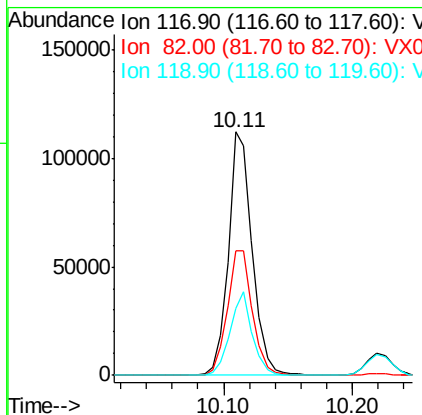
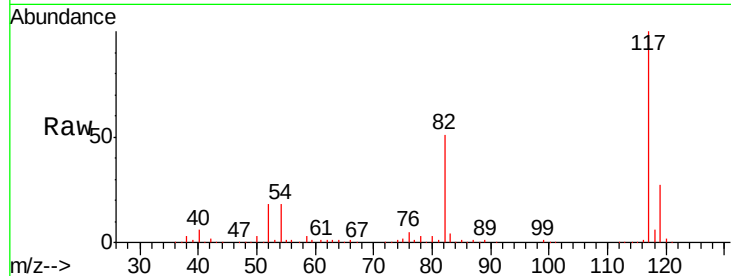
ClientSampleId :

VX1117WBS01

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 145046 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 82       | 51.2  | 44.1  | 66.1   |
| 119      | 27.4  | 26.2  | 39.2   |

Manual Integrations  
APPROVED

MMDadoda  
11/19/2018 9:24:38 AM



#64

Tetrachloroethene

Concen: 21.68 ug/l

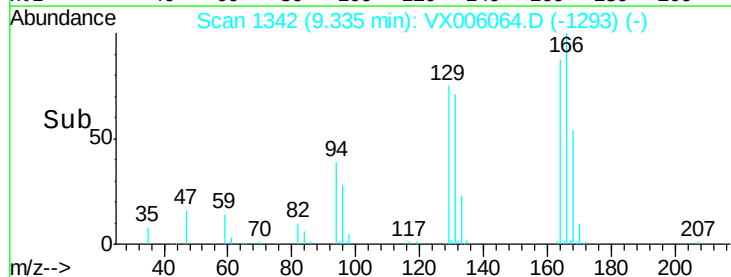
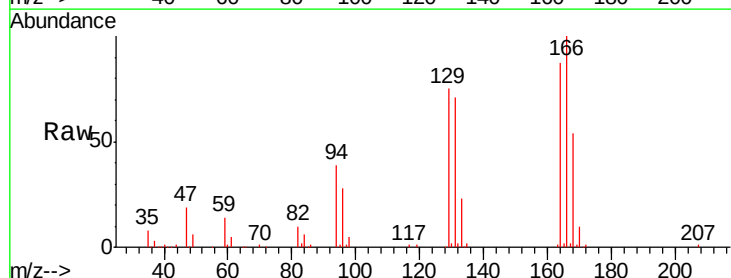
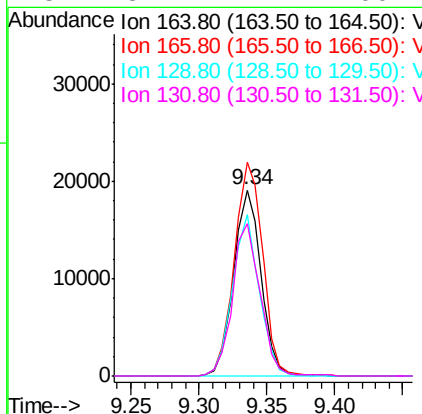
RT: 9.34 min Scan# 1342

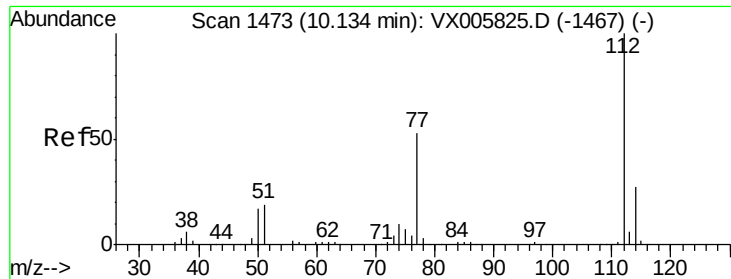
Delta R.T. -0.00 min

Lab File: VX006064.D

Acq: 17 Nov 2018 12:38

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 164   | Resp: | 26774 |
| Ion      | Ratio | Lower | Upper |
| 164      | 100   |       |       |
| 166      | 114.9 | 101.9 | 152.9 |
| 129      | 86.6  | 72.6  | 109.0 |
| 131      | 81.7  | 71.1  | 106.7 |





#65

Chlorobenzene

Concen: 19.68 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. 0.01 min

Lab File: VX006064.D

Acq: 17 Nov 2018 12:38

Instrument :

MSVOA\_X

ClientSampleId :

VX1117WBS01

Tgt Ion:112 Resp: 57194

Ion Ratio Lower Upper

112 100

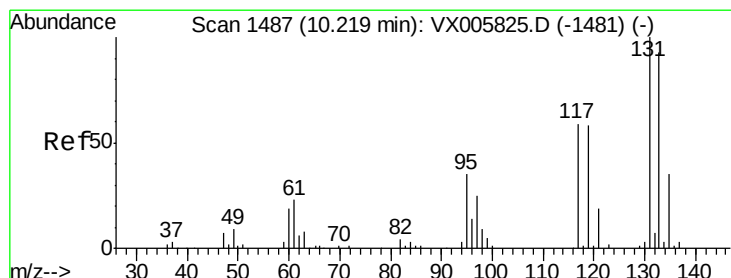
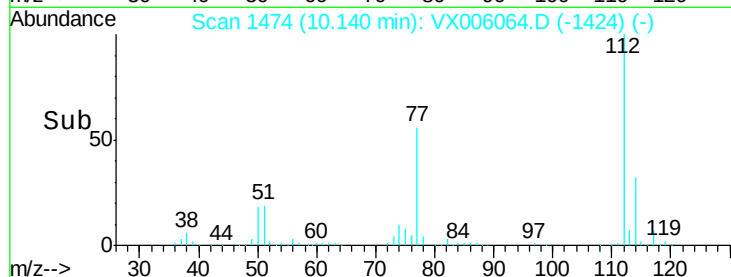
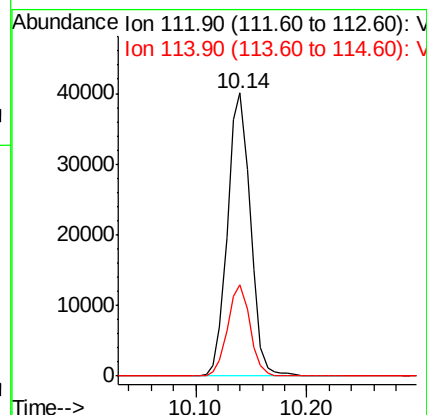
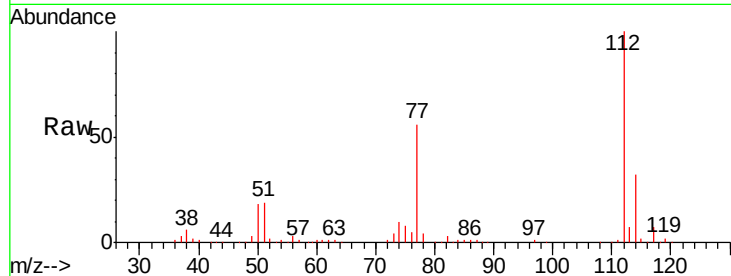
114 32.3 25.8 38.6

Manual Integrations

APPROVED

MMDadoda

11/19/2018 9:24:38 AM



#66

1,1,1,2-Tetrachloroethane

Concen: 20.53 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX006064.D

Acq: 17 Nov 2018 12:38

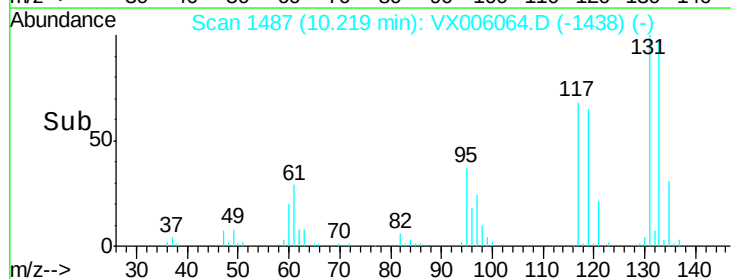
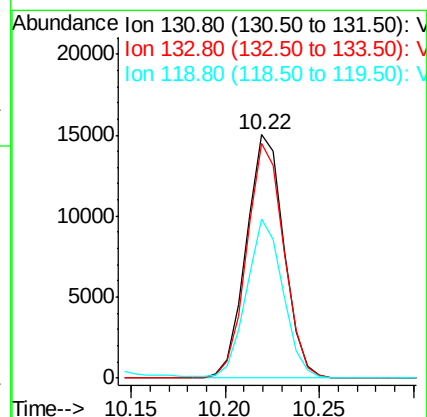
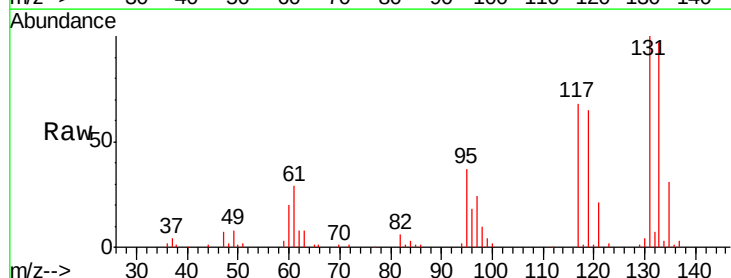
Tgt Ion:131 Resp: 20744

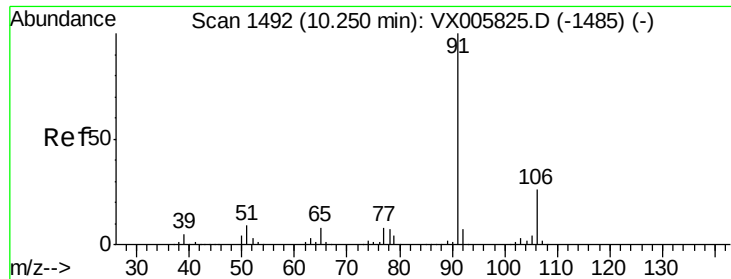
Ion Ratio Lower Upper

131 100

133 95.1 47.5 142.5

119 63.4 31.8 95.3





#67

Ethyl Benzene

Concen: 19.38 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX006064.D

Acq: 17 Nov 2018 12:38

Instrument :

MSVOA\_X

ClientSampleId :

VX1117WBS01

Tgt Ion: 91 Resp: 90285

Ion Ratio Lower Upper

91 100

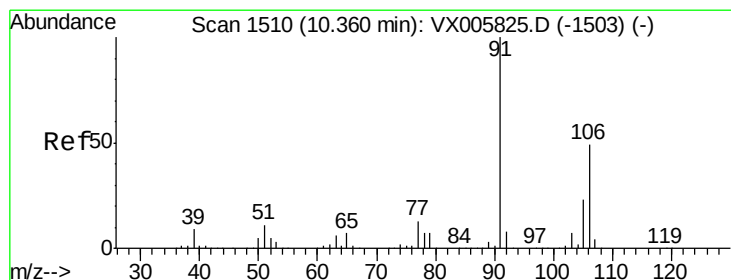
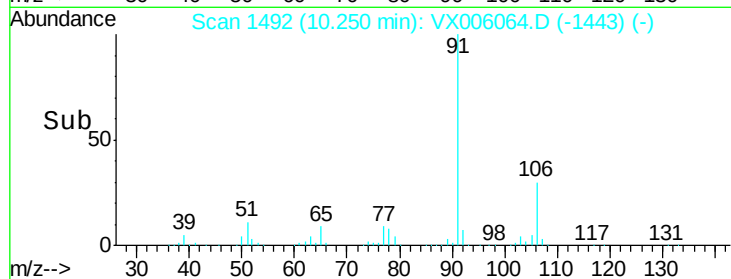
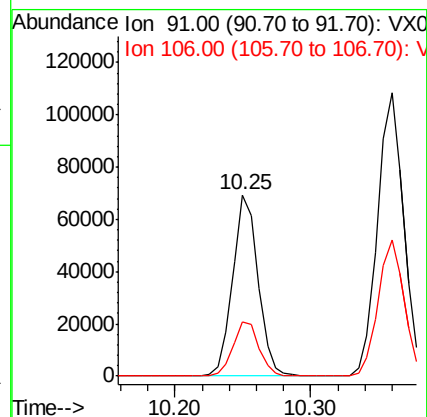
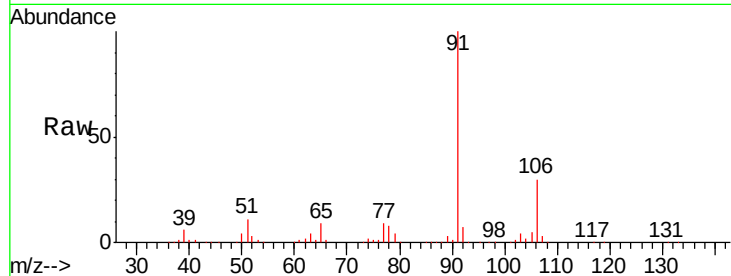
106 30.0 24.4 36.6

Manual Integrations

APPROVED

MMDadoda

11/19/2018 9:24:38 AM



#68

m/p-Xylenes

Concen: 39.44 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX006064.D

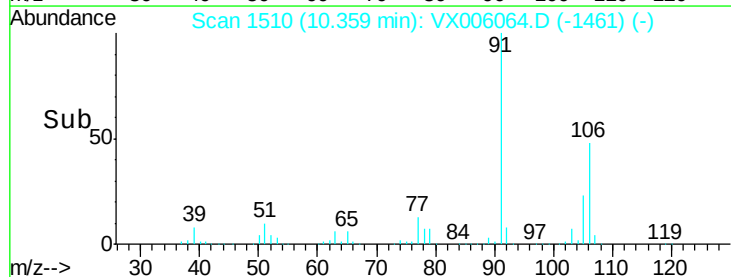
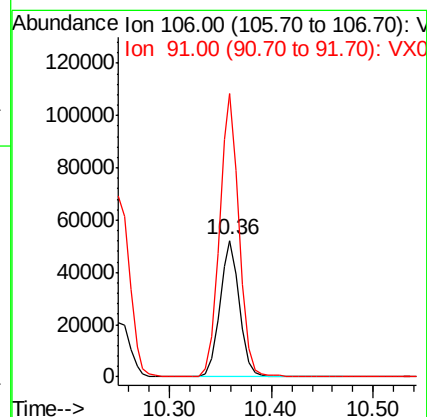
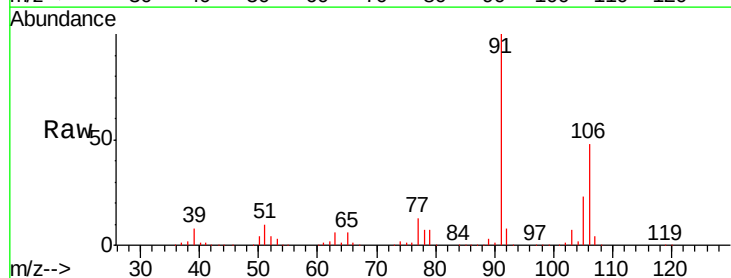
Acq: 17 Nov 2018 12:38

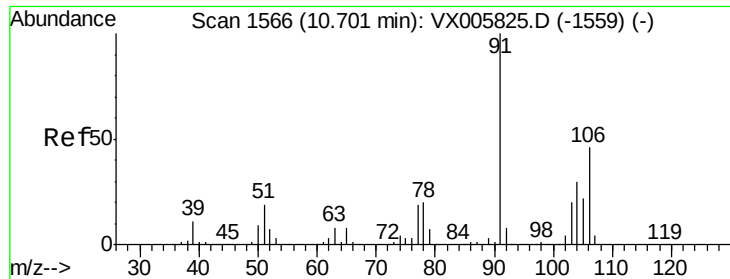
Tgt Ion: 106 Resp: 70104

Ion Ratio Lower Upper

106 100

91 206.8 164.2 246.4





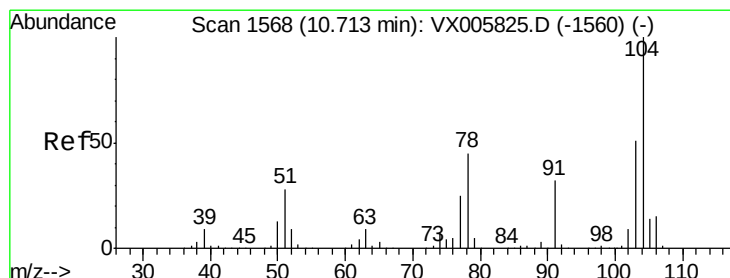
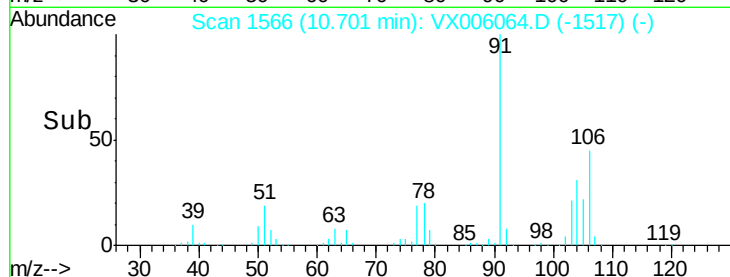
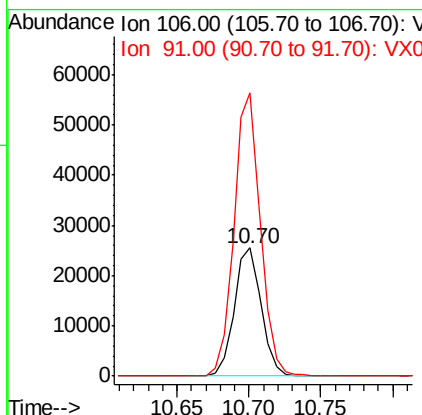
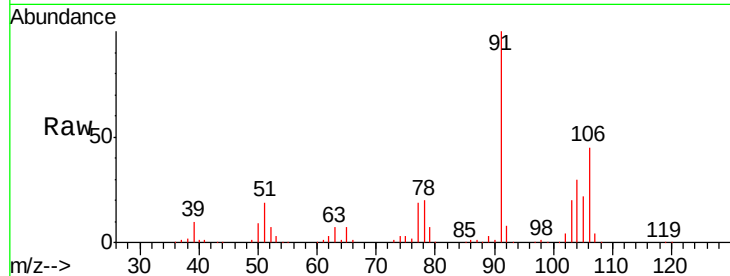
#69  
o-Xylene  
Concen: 20.89 ug/l  
RT: 10.70 min Scan# 1566  
Delta R.T. -0.00 min  
Lab File: VX006064.D  
Acq: 17 Nov 2018 12:38

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1117WBS01

Tgt Ion:106 Resp: 33295  
Ion Ratio Lower Upper  
106 100  
91 216.7 108.5 325.5

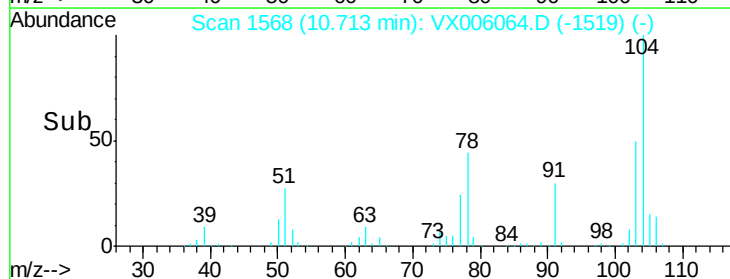
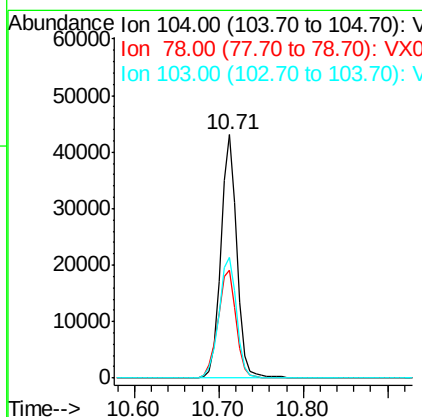
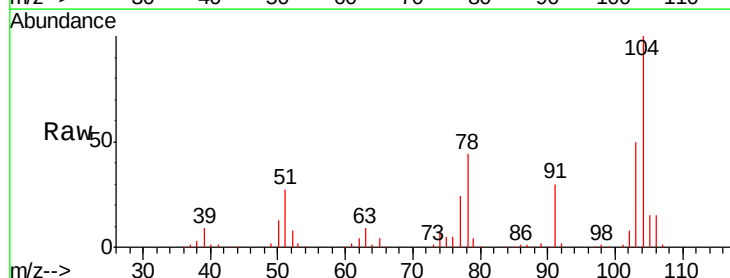
Manual Integrations  
APPROVED

MMDadoda  
11/19/2018 9:24:38 AM

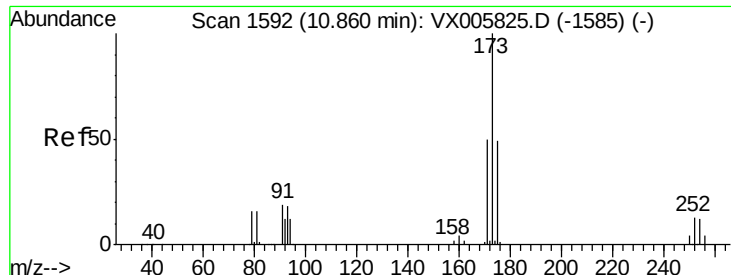


#70  
Styrene  
Concen: 21.57 ug/l  
RT: 10.71 min Scan# 1568  
Delta R.T. -0.00 min  
Lab File: VX006064.D  
Acq: 17 Nov 2018 12:38

Tgt Ion:104 Resp: 56707  
Ion Ratio Lower Upper  
104 100  
78 50.4 40.2 60.4  
103 55.3 44.9 67.3







#71

Bromoform

Concen: 20.90 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. -0.00 min

Lab File: VX006064.D

Acq: 17 Nov 2018 12:38

Instrument :

MSVOA\_X

ClientSampleId :

VX1117WBS01

Tgt Ion:173 Resp: 17696

Ion Ratio Lower Upper

173 100

175 48.7 24.8 74.3

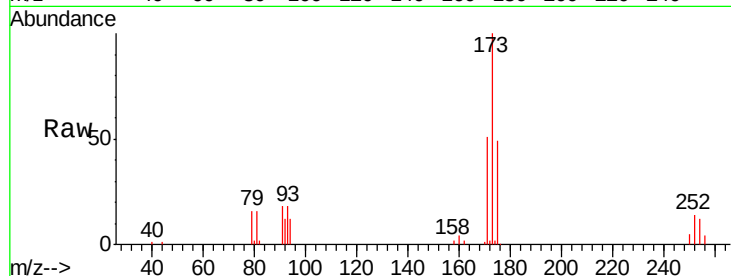
254 0.0 0.2 0.2#

Manual Integrations

APPROVED

MMDadoda

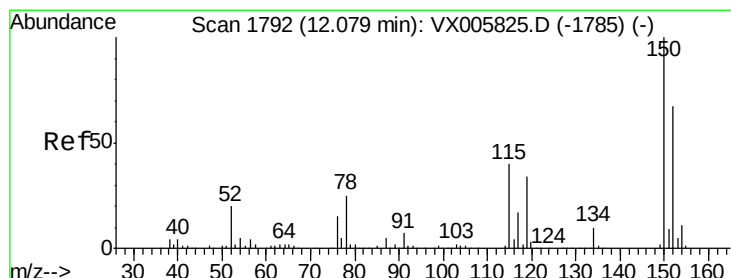
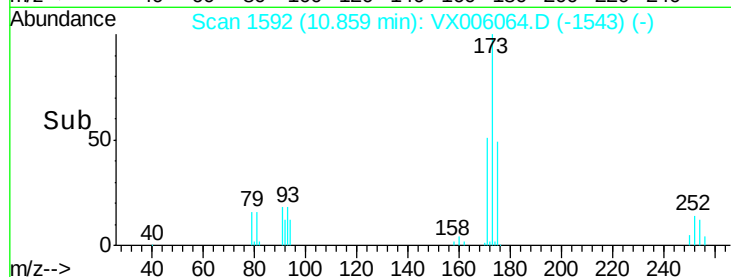
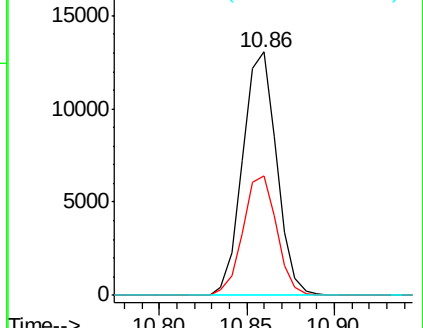
11/19/2018 9:24:38 AM



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: 50.00 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX006064.D

Acq: 17 Nov 2018 12:38

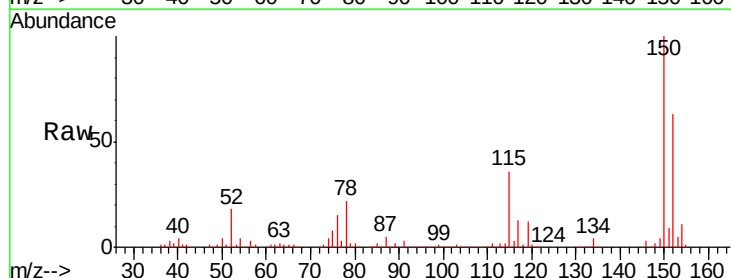
Tgt Ion:152 Resp: 95870

Ion Ratio Lower Upper

152 100

115 64.3 39.4 118.1

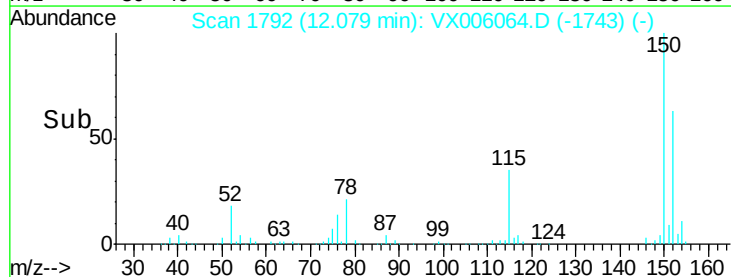
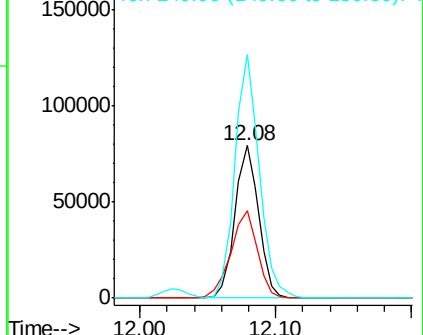
150 165.0 0.0 346.4

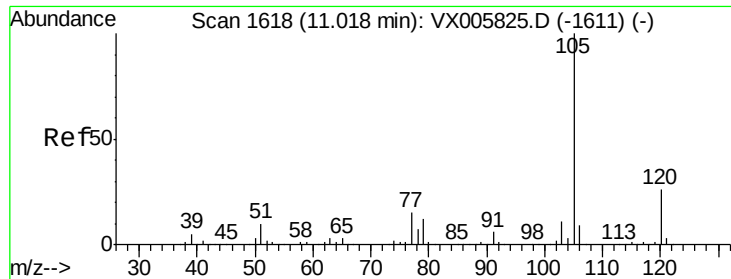


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





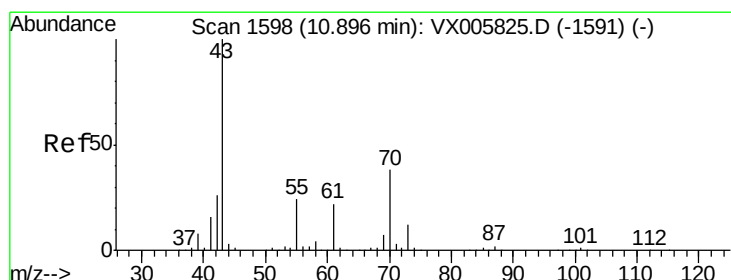
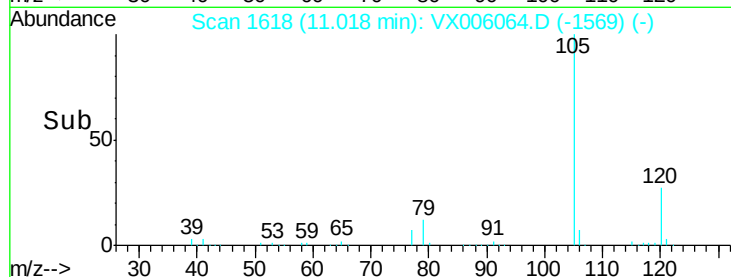
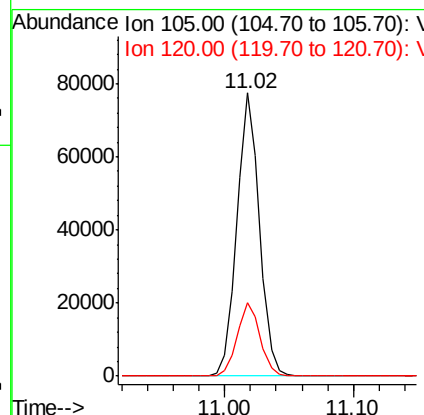
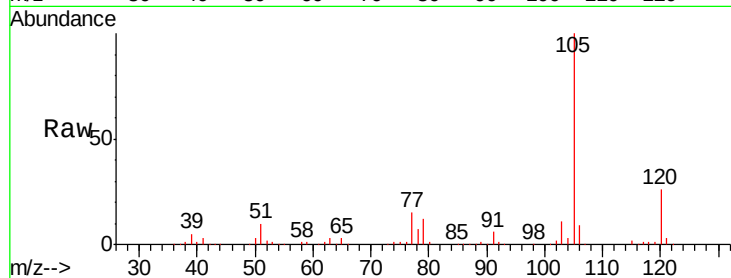
#73  
Isopropylbenzene  
Concen: 17.05 ug/l  
RT: 11.02 min Scan# 1618  
Delta R.T. -0.00 min  
Lab File: VX006064.D  
Acq: 17 Nov 2018 12:38

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1117WBS01

Tgt Ion: 105 Resp: 94531  
Ion Ratio Lower Upper  
105 100  
120 26.4 13.1 39.3

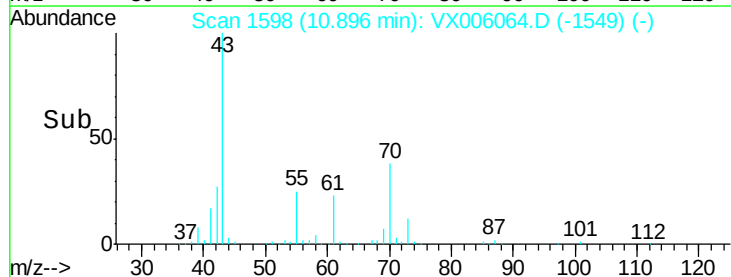
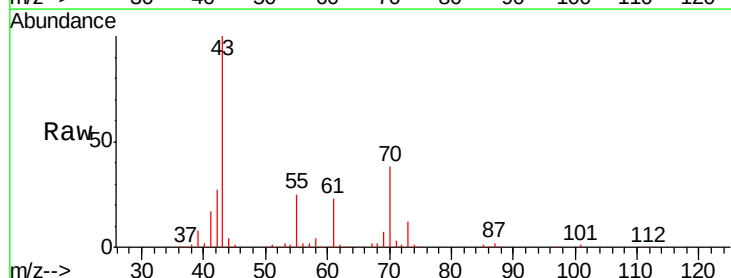
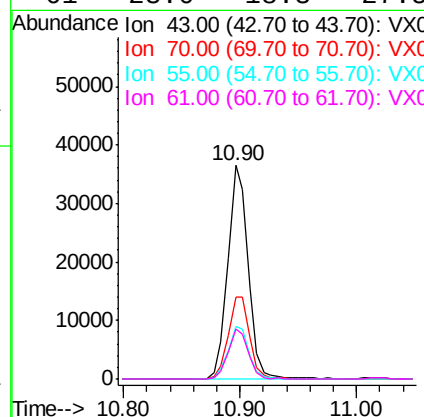
Manual Integrations  
APPROVED

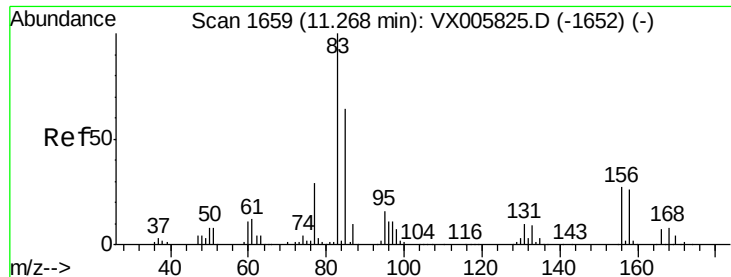
MMDadoda  
11/19/2018 9:24:38 AM



#74  
N-ethyl acetate  
Concen: 15.09 ug/l  
RT: 10.90 min Scan# 1598  
Delta R.T. -0.00 min  
Lab File: VX006064.D  
Acq: 17 Nov 2018 12:38

Tgt Ion: 43 Resp: 44146  
Ion Ratio Lower Upper  
43 100  
70 40.2 31.6 47.4  
55 25.2 19.7 29.5  
61 23.0 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 16.56 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX006064.D

Acq: 17 Nov 2018 12:38

Instrument :

MSVOA\_X

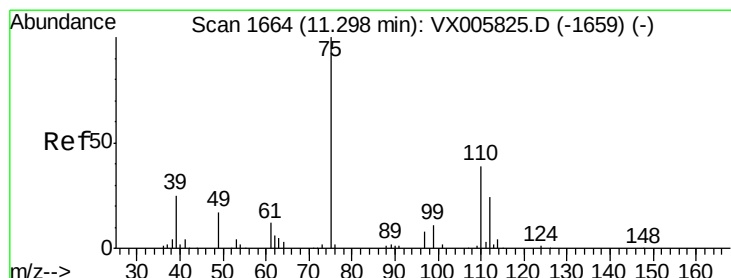
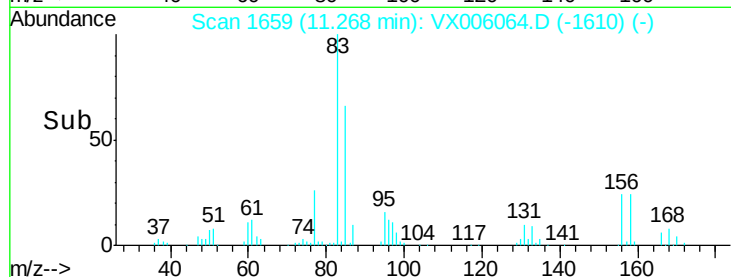
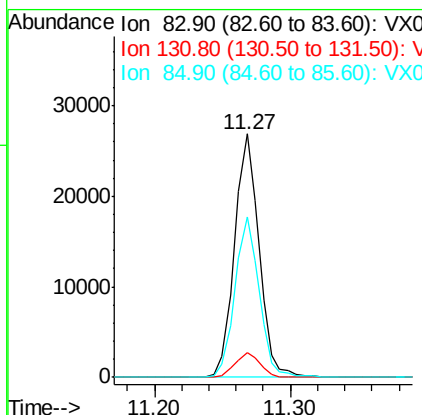
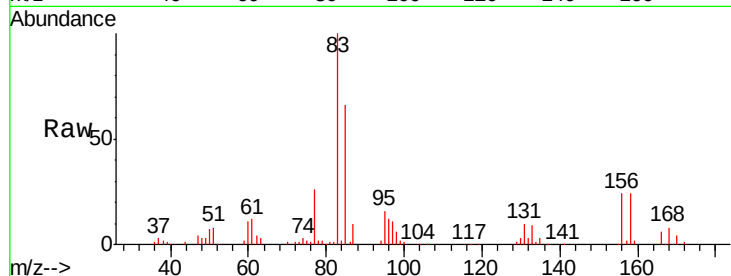
ClientSampleId :

VX1117WBS01

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 33706 |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 131      | 10.3  | 5.3   | 15.9  |
| 85       | 65.5  | 32.0  | 96.2  |

Manual Integrations  
APPROVED

MMDadoda  
11/19/2018 9:24:38 AM



#76

1,2,3-Trichloropropane

Concen: 17.16 ug/l m

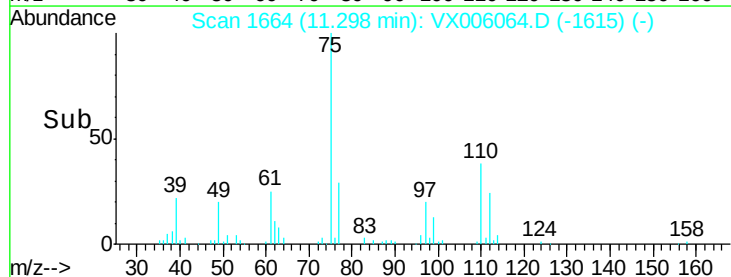
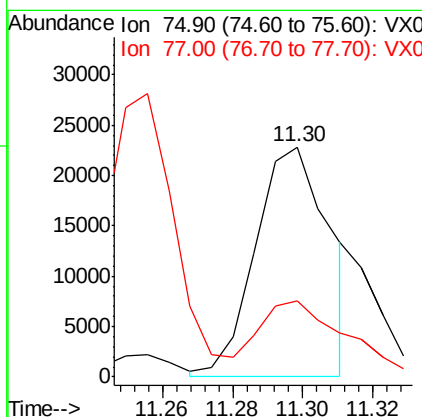
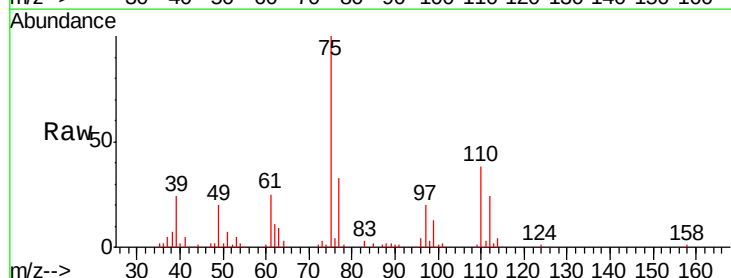
RT: 11.30 min Scan# 1664

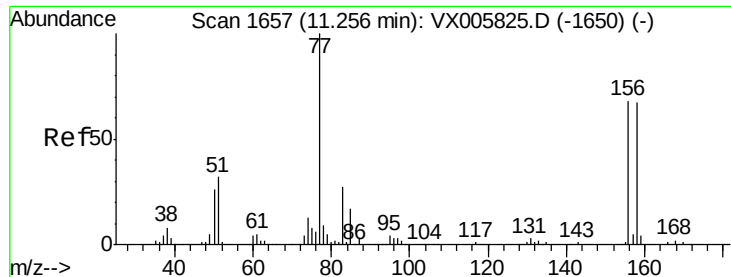
Delta R.T. -0.00 min

Lab File: VX006064.D

Acq: 17 Nov 2018 12:38

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 33503 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 77       | 38.8  | 20.5  | 61.6  |





#77

Bromobenzene

Concen: 16.38 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX006064.D

Acq: 17 Nov 2018 12:38

Instrument :

MSVOA\_X

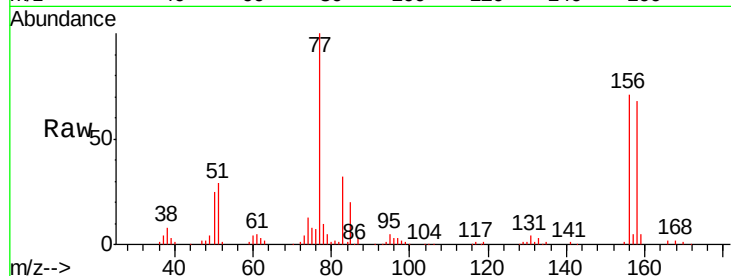
ClientSampleId :

VX1117WBS01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 156     | 100   |       |       |
| 77      | 149.2 | 74.8  | 224.4 |
| 158     | 97.8  | 49.1  | 147.3 |

Manual Integrations  
APPROVED

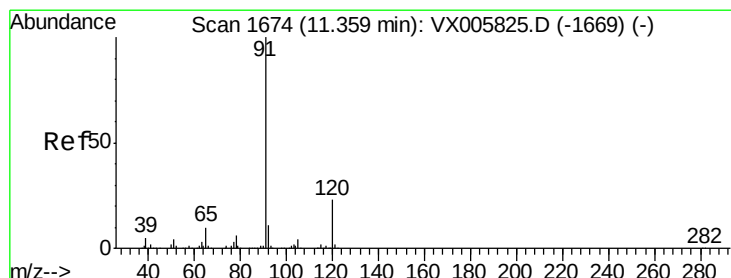
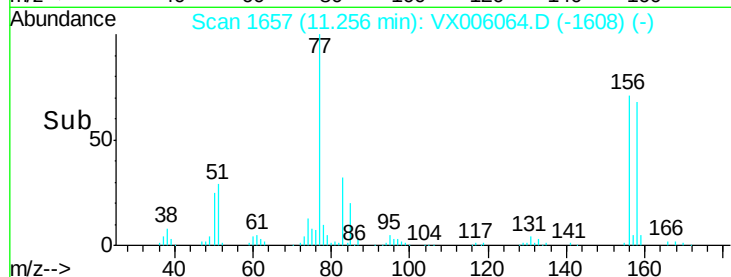
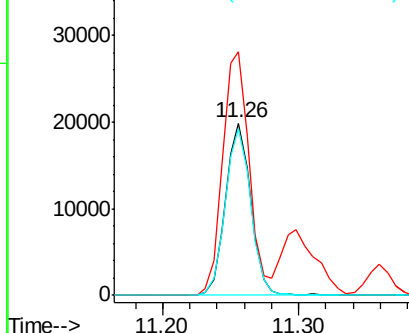
MMDadoda  
11/19/2018 9:24:38 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 16.62 ug/l

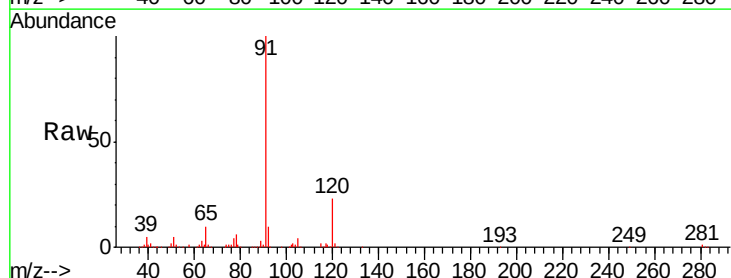
RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX006064.D

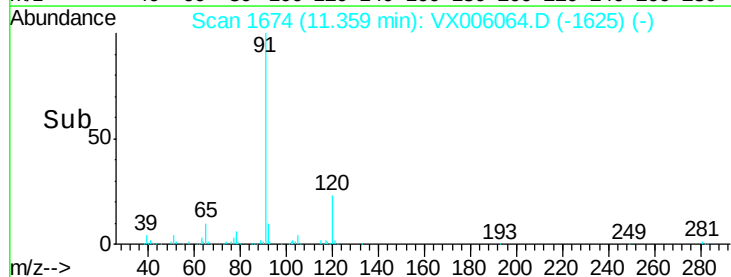
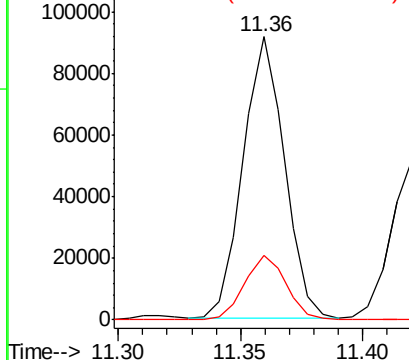
Acq: 17 Nov 2018 12:38

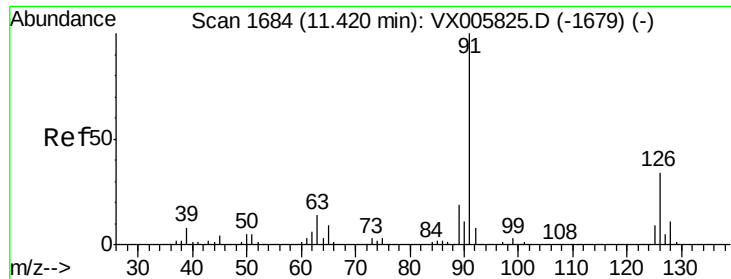
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 120     | 23.1  | 11.9  | 35.5  |



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





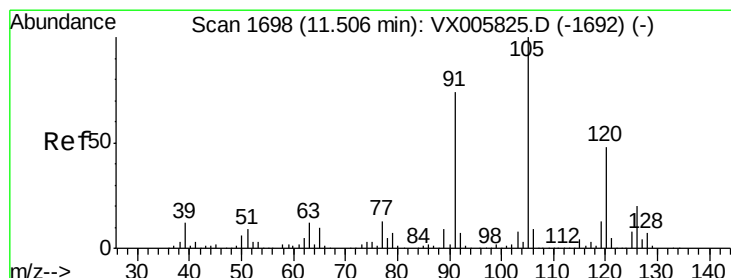
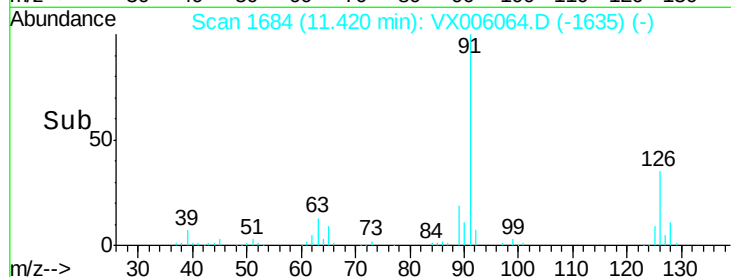
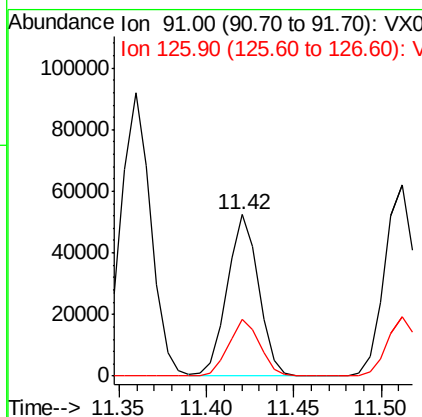
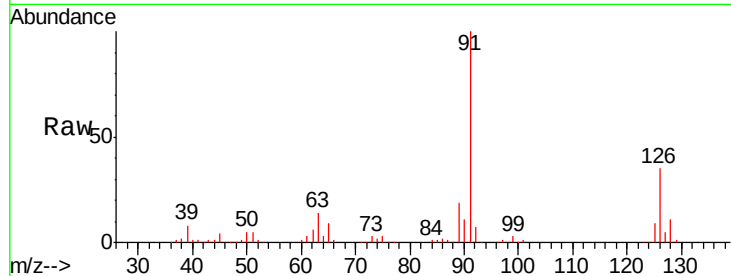
#79  
 2-Chlorotoluene  
 Concen: 16.49 ug/l  
 RT: 11.42 min Scan# 1684  
 Delta R.T. -0.00 min  
 Lab File: VX006064.D  
 Acq: 17 Nov 2018 12:38

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX1117WBS01

Tgt Ion: 91 Resp: 65132  
 Ion Ratio Lower Upper  
 91 100  
 126 35.3 17.3 52.0

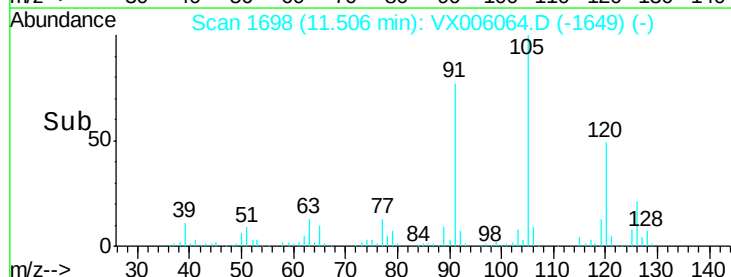
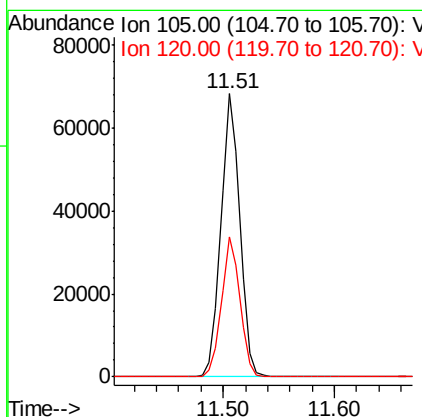
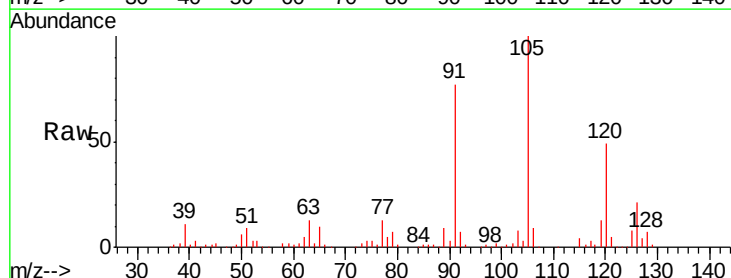
Manual Integrations  
 APPROVED

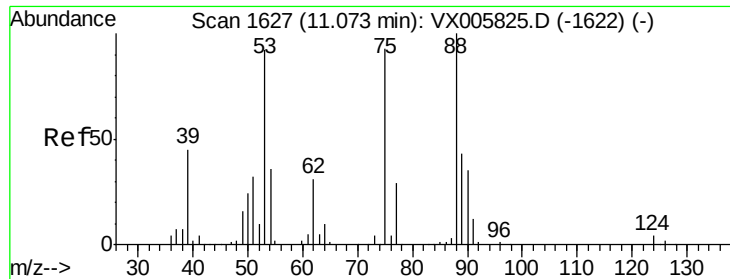
MMDadoda  
 11/19/2018 9:24:38 AM



#80  
 1,3,5-Trimethylbenzene  
 Concen: 17.00 ug/l  
 RT: 11.51 min Scan# 1698  
 Delta R.T. -0.00 min  
 Lab File: VX006064.D  
 Acq: 17 Nov 2018 12:38

Tgt Ion: 105 Resp: 80109  
 Ion Ratio Lower Upper  
 105 100  
 120 48.4 24.1 72.2





#81

trans-1,4-Dichloro-2-butene

Concen: 17.10 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX006064.D

Acq: 17 Nov 2018 12:38

Instrument :

MSVOA\_X

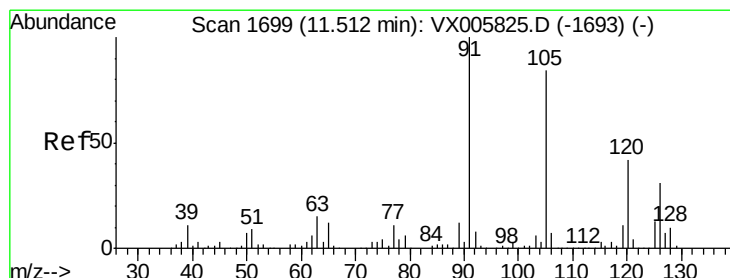
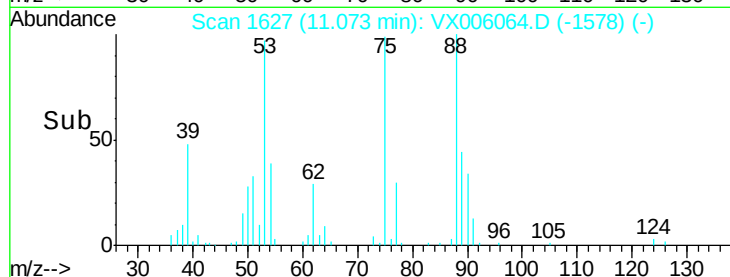
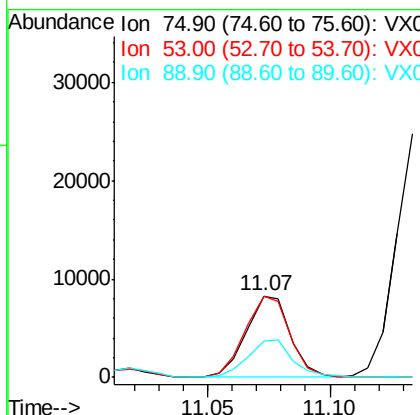
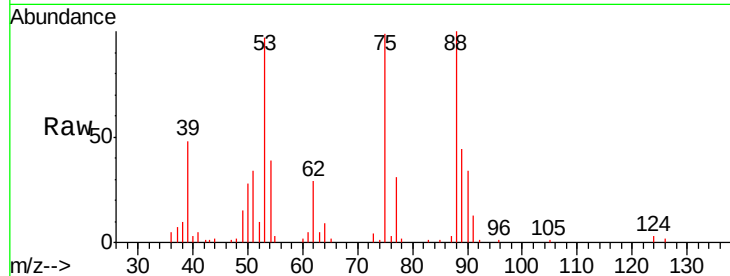
ClientSampleId :

VX1117WBS01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 10476 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 53        | 100.3 | 80.2  | 120.2 |
| 89        | 47.3  | 39.8  | 59.8  |

Manual Integrations  
APPROVED

MMDadoda  
11/19/2018 9:24:38 AM



#82

4-Chlorotoluene

Concen: 16.44 ug/l

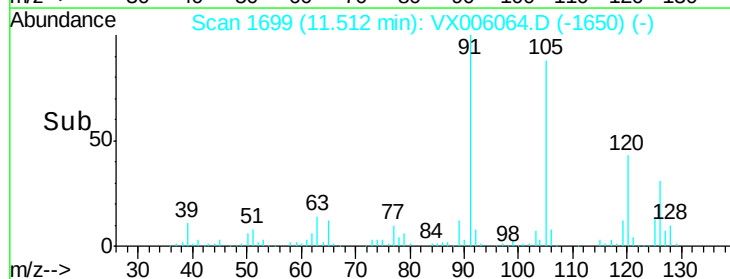
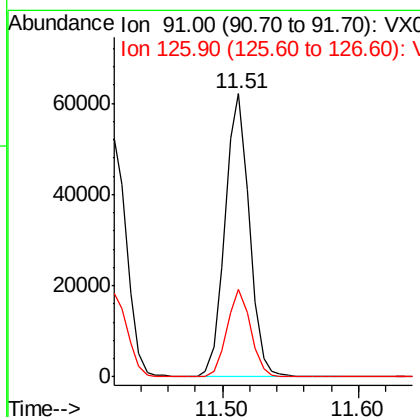
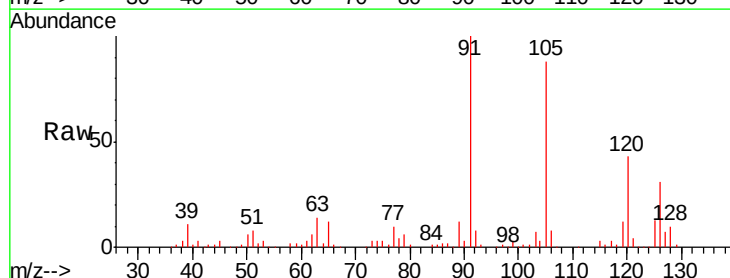
RT: 11.51 min Scan# 1699

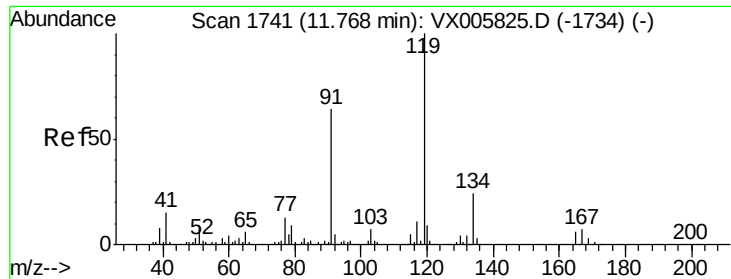
Delta R.T. -0.00 min

Lab File: VX006064.D

Acq: 17 Nov 2018 12:38

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 91    | Resp: | 76540 |
| Ion Ratio | Lower | Upper |       |
| 91        | 100   |       |       |
| 126       | 30.3  | 15.2  | 45.6  |





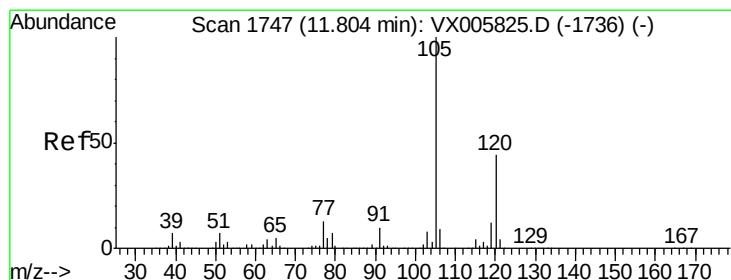
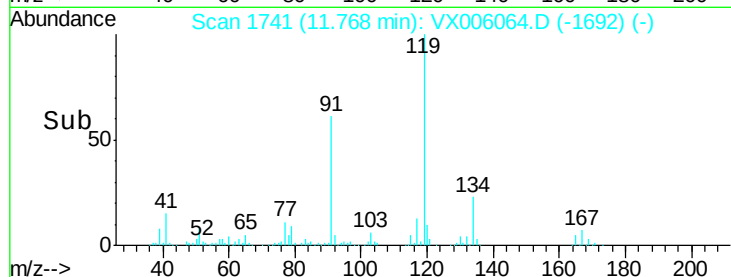
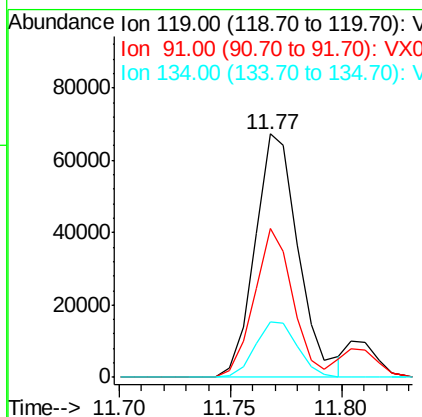
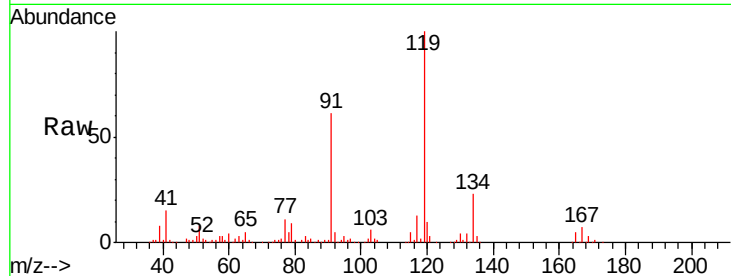
#83  
 tert-Butylbenzene  
 Concen: 19.17 ug/l  
 RT: 11.77 min Scan# 1741  
 Delta R.T. -0.00 min  
 Lab File: VX006064.D  
 Acq: 17 Nov 2018 12:38

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX1117WBS01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 91      | 54.5  | 28.5  | 85.5  |
| 134     | 22.4  | 11.3  | 33.8  |

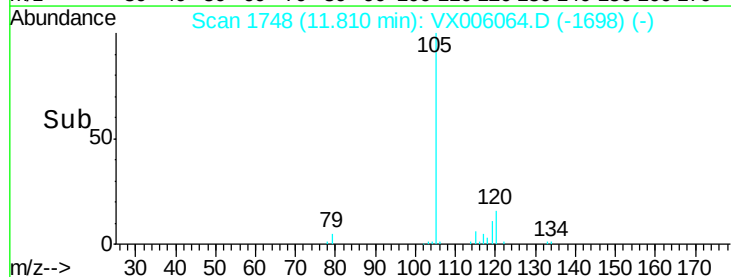
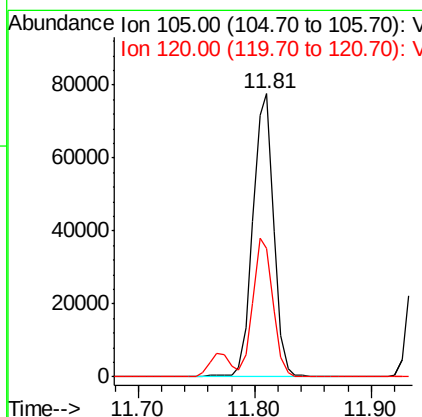
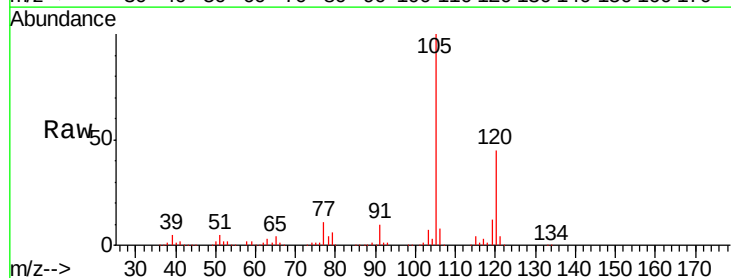
Manual Integrations  
 APPROVED

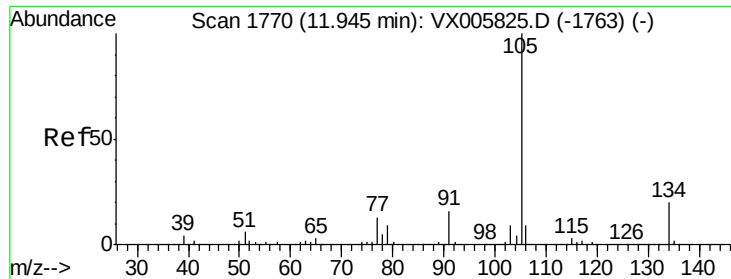
MMDadoda  
 11/19/2018 9:24:38 AM



#84  
 1,2,4-Trimethylbenzene  
 Concen: 18.58 ug/l  
 RT: 11.81 min Scan# 1748  
 Delta R.T. 0.01 min  
 Lab File: VX006064.D  
 Acq: 17 Nov 2018 12:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 46.8  | 22.4  | 67.0  |





#85

sec-Butylbenzene

Concen: 19.96 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX006064.D

Acq: 17 Nov 2018 12:38

Instrument :

MSVOA\_X

ClientSampleId :

VX1117WBS01

Tgt Ion:105 Resp: 116341

Ion Ratio Lower Upper

105 100

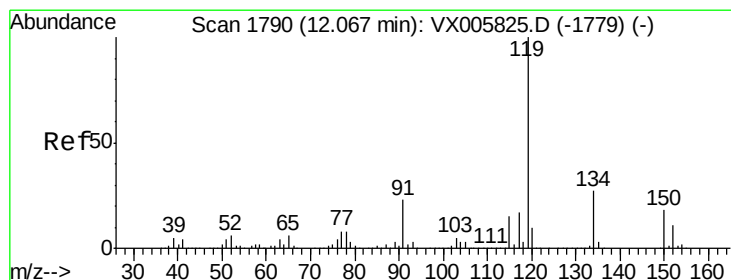
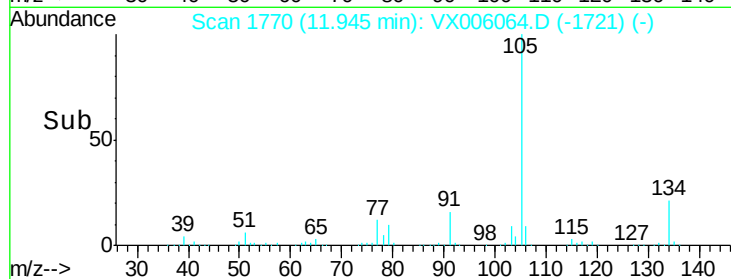
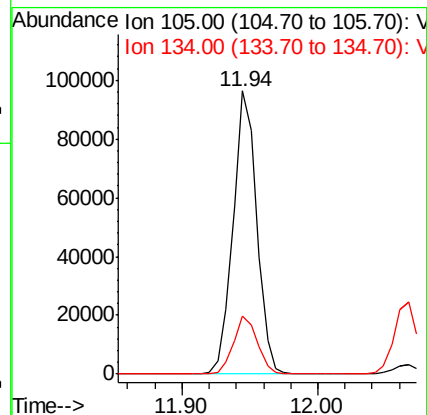
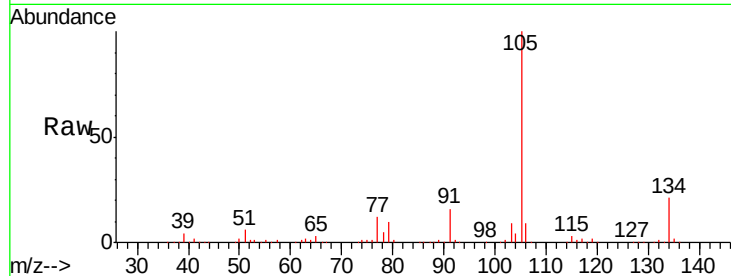
134 20.7 10.2 30.4

Manual Integrations

APPROVED

MMDadoda

11/19/2018 9:24:38 AM



#86

p-Isopropyltoluene

Concen: 21.28 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. -0.00 min

Lab File: VX006064.D

Acq: 17 Nov 2018 12:38

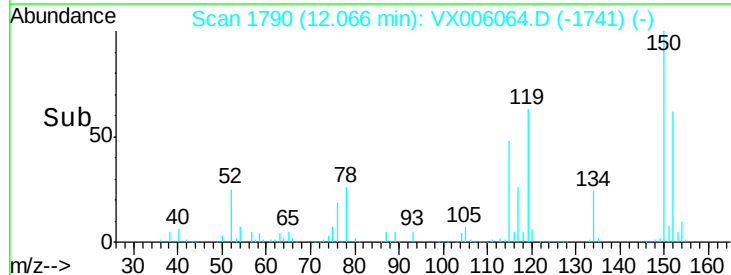
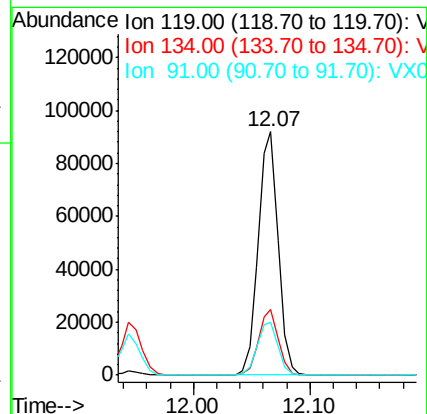
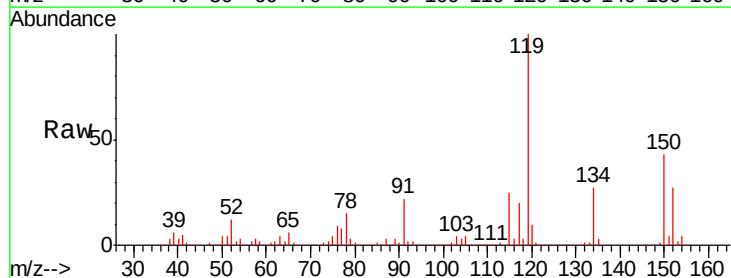
Tgt Ion:119 Resp: 109875

Ion Ratio Lower Upper

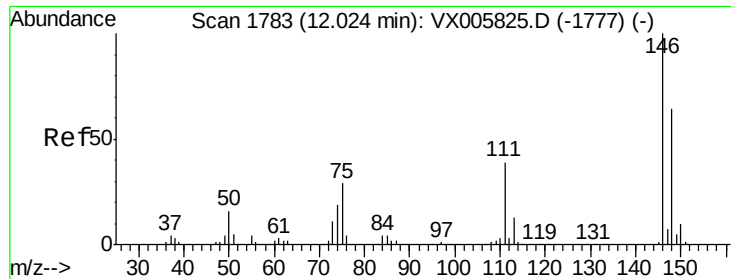
119 100

134 26.5 13.0 39.0

91 22.7 11.4 34.2







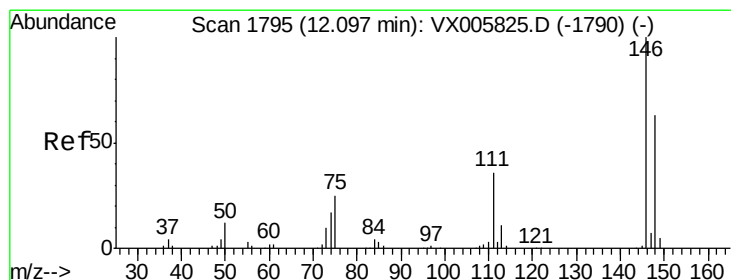
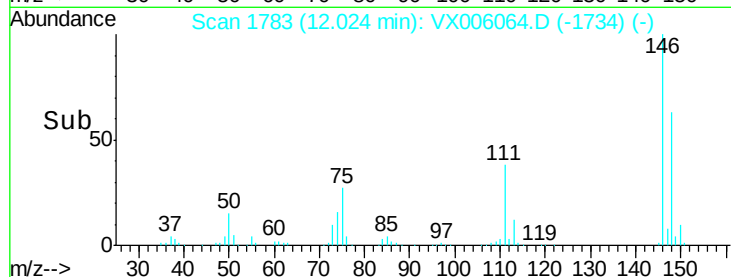
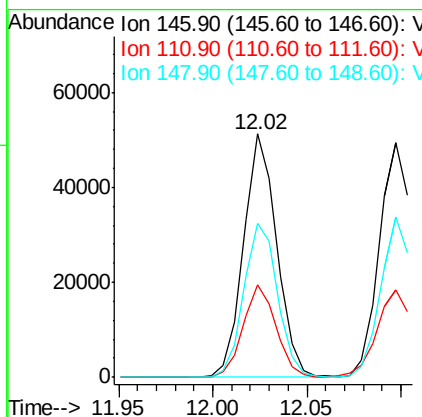
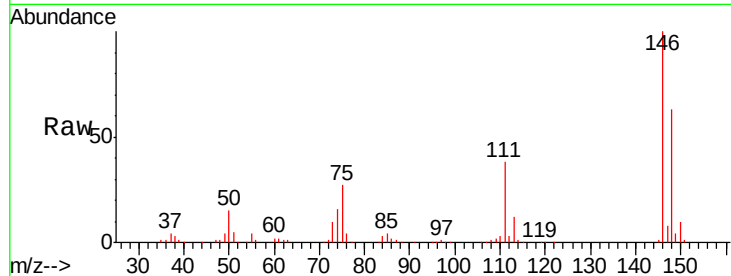
#87  
 1,3-Dichlorobenzene  
 Concen: 20.97 ug/l  
 RT: 12.02 min Scan# 1783  
 Delta R.T. -0.00 min  
 Lab File: VX006064.D  
 Acq: 17 Nov 2018 12:38

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX1117WBS01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 37.5  | 19.0  | 57.0  |
| 148     | 64.2  | 31.9  | 95.9  |

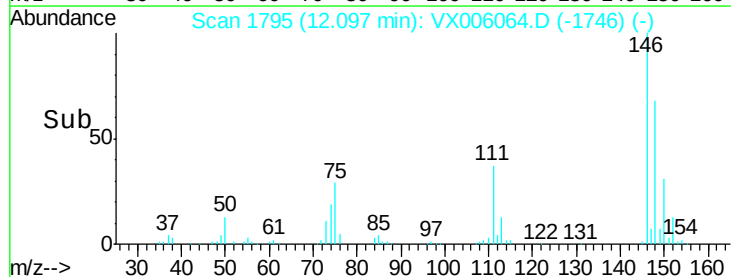
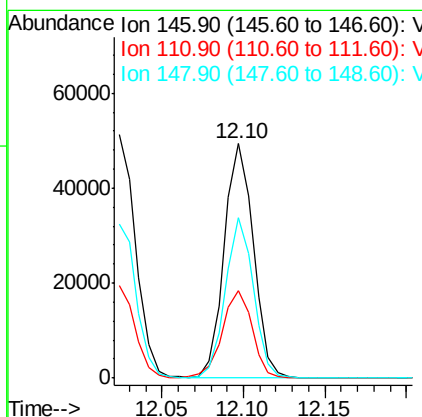
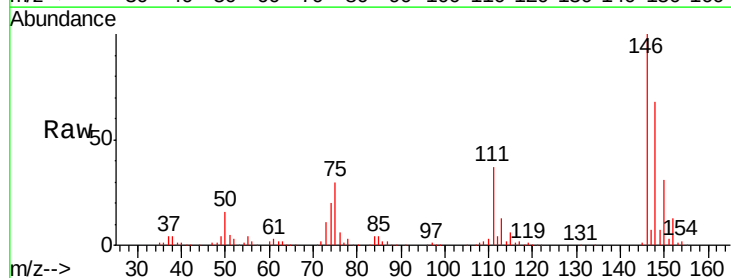
Manual Integrations  
 APPROVED

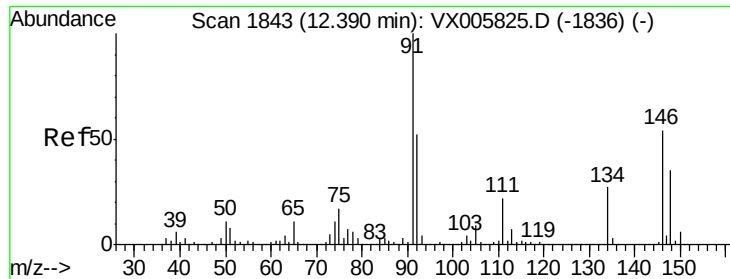
MMDadoda  
 11/19/2018 9:24:38 AM



#88  
 1,4-Dichlorobenzene  
 Concen: 20.10 ug/l  
 RT: 12.10 min Scan# 1795  
 Delta R.T. -0.00 min  
 Lab File: VX006064.D  
 Acq: 17 Nov 2018 12:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 38.5  | 18.6  | 55.8  |
| 148     | 65.7  | 32.1  | 96.3  |





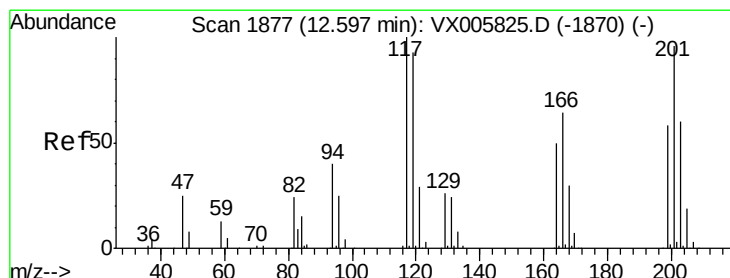
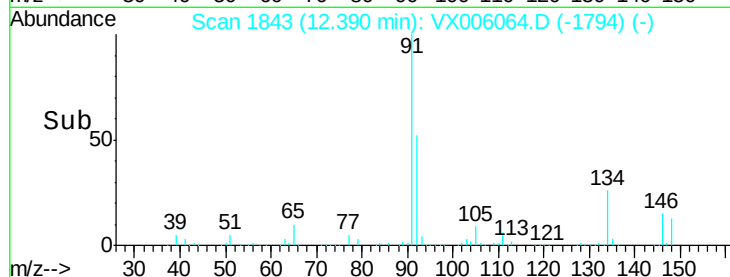
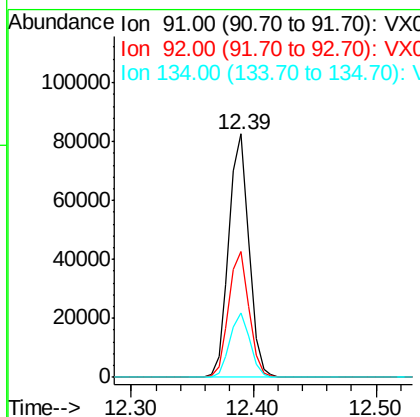
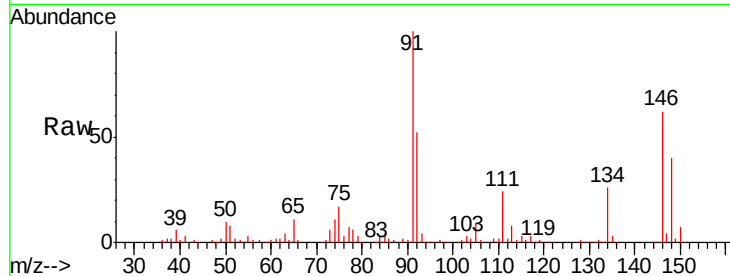
#89  
n-Butylbenzene  
Concen: 19.63 ug/l  
RT: 12.39 min Scan# 1843  
Delta R.T. -0.00 min  
Lab File: VX006064.D  
Acq: 17 Nov 2018 12:38

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1117WBS01

Tgt Ion: 91 Resp: 93944  
Ion Ratio Lower Upper  
91 100  
92 52.2 26.1 78.2  
134 26.1 13.1 39.3

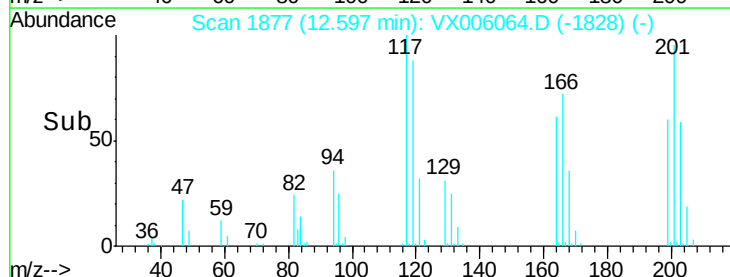
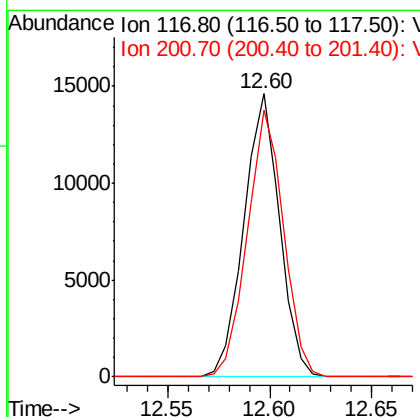
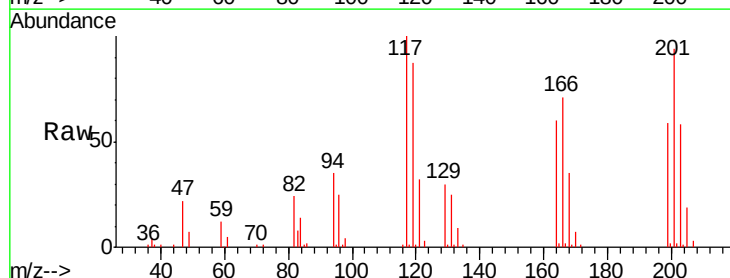
Manual Integrations  
APPROVED

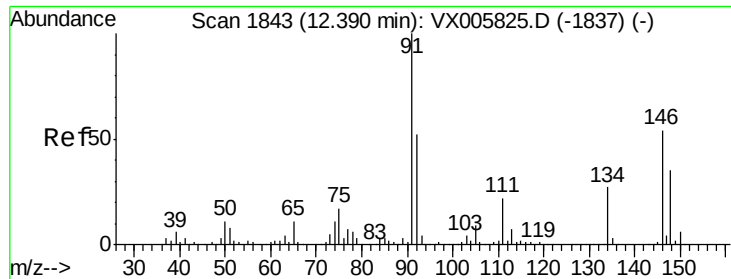
MMDadoda  
11/19/2018 9:24:38 AM



#90  
Hexachloroethane  
Concen: 20.55 ug/l  
RT: 12.60 min Scan# 1877  
Delta R.T. -0.00 min  
Lab File: VX006064.D  
Acq: 17 Nov 2018 12:38

Tgt Ion: 117 Resp: 17709  
Ion Ratio Lower Upper  
117 100  
201 96.1 47.9 143.6





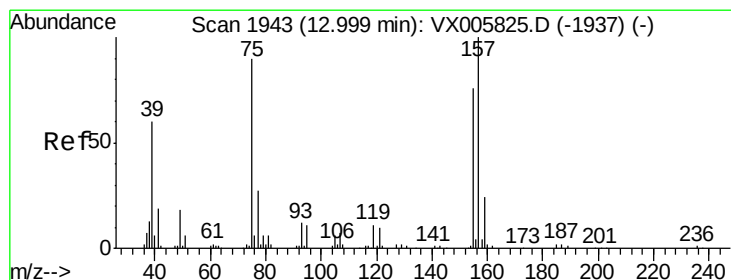
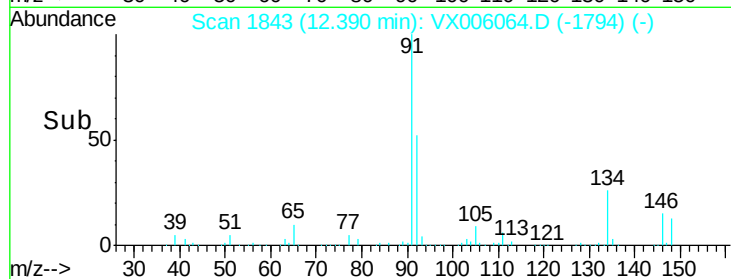
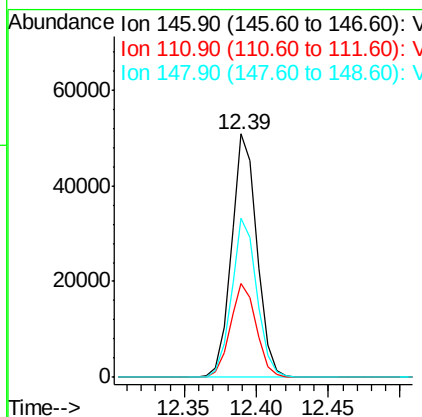
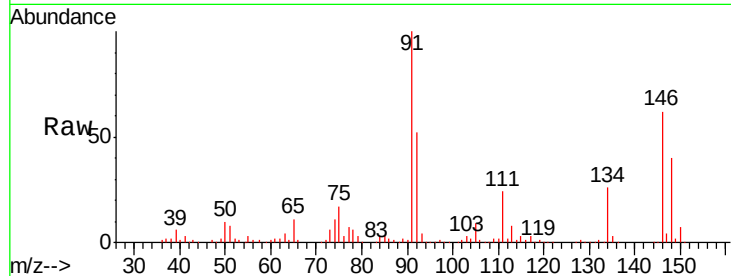
#91  
 1,2-Dichlorobenzene  
 Concen: 20.98 ug/l  
 RT: 12.39 min Scan# 1843  
 Delta R.T. -0.00 min  
 Lab File: VX006064.D  
 Acq: 17 Nov 2018 12:38

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX1117WBS01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 39.3  | 20.0  | 59.9  |
| 148     | 64.8  | 32.2  | 96.6  |

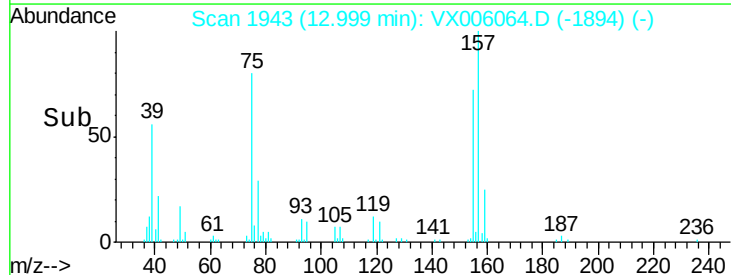
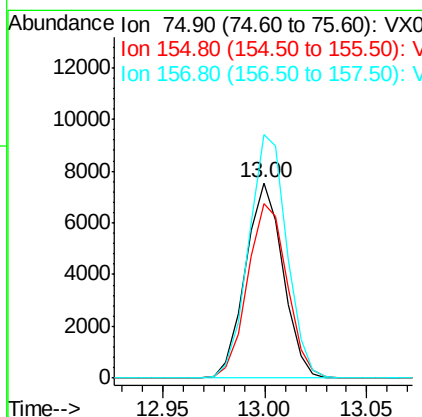
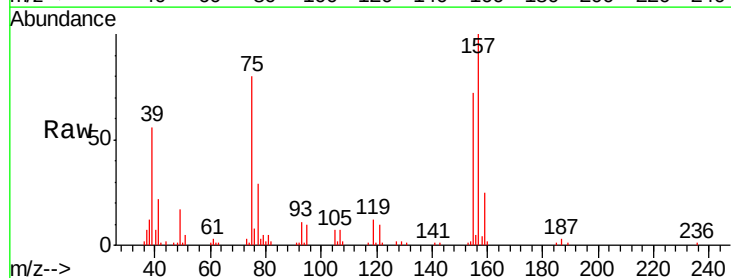
Manual Integrations  
 APPROVED

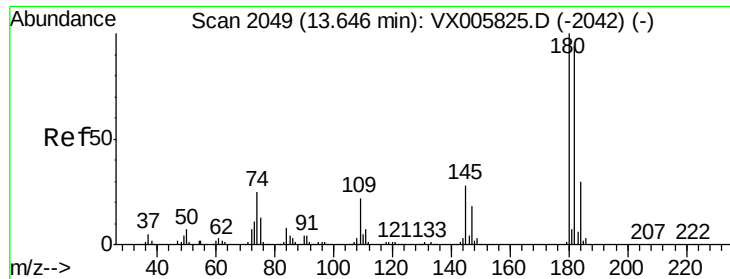
MMDadoda  
 11/19/2018 9:24:38 AM



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 19.43 ug/l  
 RT: 13.00 min Scan# 1943  
 Delta R.T. -0.00 min  
 Lab File: VX006064.D  
 Acq: 17 Nov 2018 12:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 94.2  | 45.4  | 136.1 |
| 157     | 127.5 | 57.4  | 172.0 |





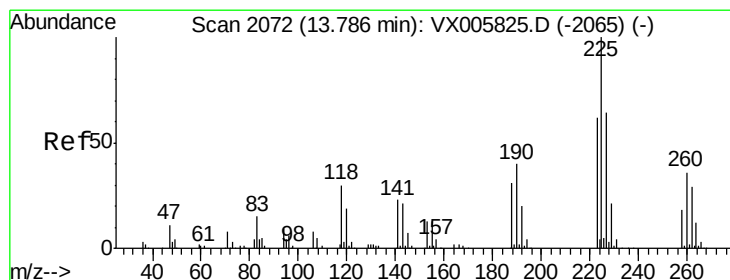
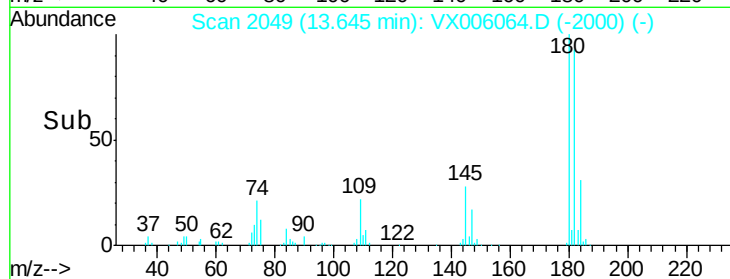
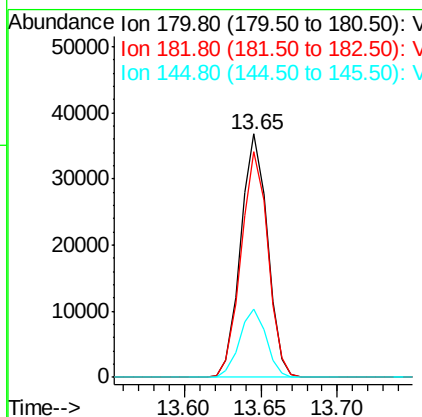
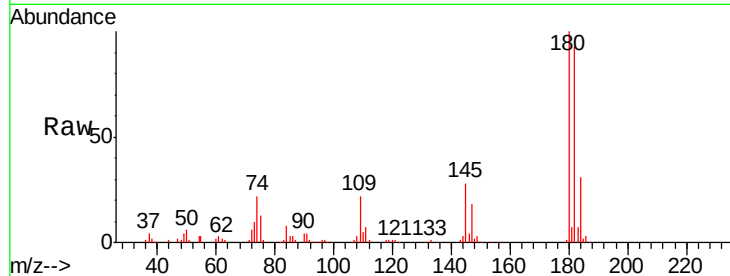
#93  
 1,2,4-Trichlorobenzene  
 Concen: 21.17 ug/l  
 RT: 13.65 min Scan# 2049  
 Delta R.T. -0.00 min  
 Lab File: VX006064.D  
 Acq: 17 Nov 2018 12:38

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX1117WBS01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 92.9  | 47.6  | 142.8 |
| 145     | 27.9  | 14.1  | 42.2  |

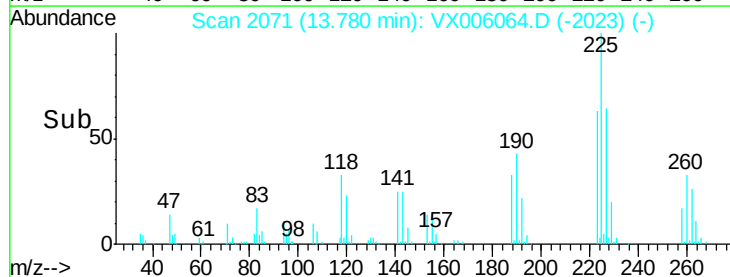
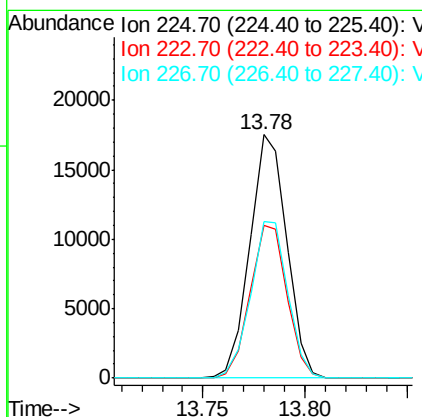
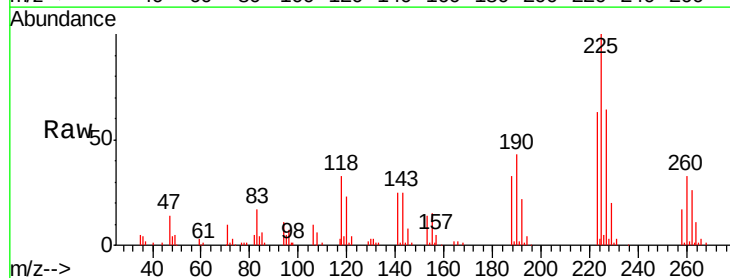
Manual Integrations  
 APPROVED

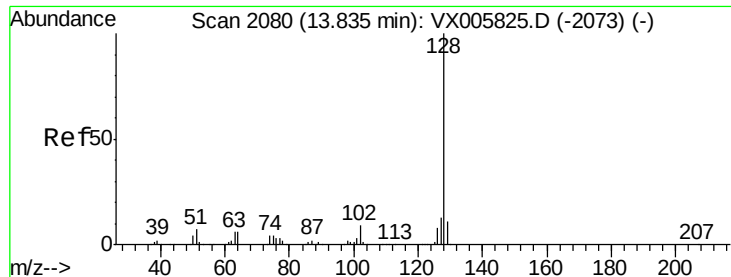
MMDadoda  
 11/19/2018 9:24:38 AM



#94  
 Hexachlorobutadiene  
 Concen: 19.86 ug/l  
 RT: 13.78 min Scan# 2071  
 Delta R.T. -0.01 min  
 Lab File: VX006064.D  
 Acq: 17 Nov 2018 12:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 62.7  | 31.7  | 95.1  |
| 227     | 64.6  | 32.3  | 96.9  |





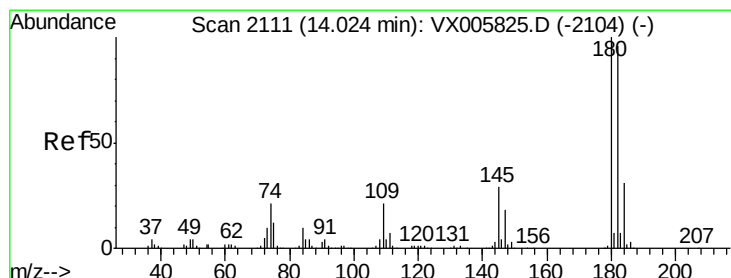
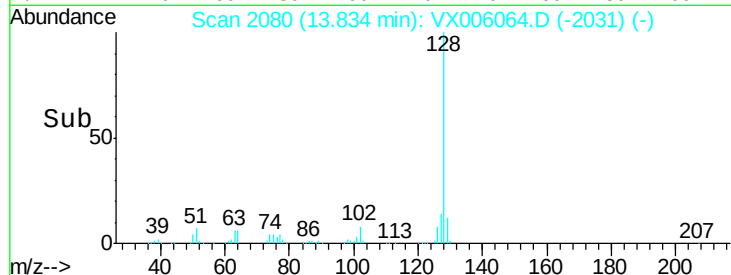
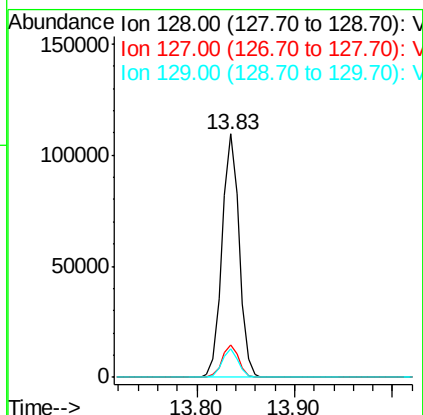
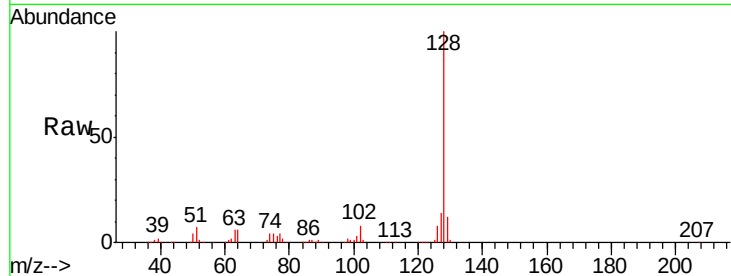
#95  
Naphthalene  
Concen: 20.01 ug/l  
RT: 13.83 min Scan# 2080  
Delta R.T. 0.00 min  
Lab File: VX006064.D  
Acq: 17 Nov 2018 12:38

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1117WBS01

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 128     | 100   | 132993 |       |       |
| 127     | 13.0  |        | 10.4  | 15.6  |
| 129     | 11.1  |        | 8.7   | 13.1  |

Manual Integrations  
APPROVED

MMDadoda  
11/19/2018 9:24:38 AM



#96  
1,2,3-Trichlorobenzene  
Concen: 21.51 ug/l  
RT: 14.02 min Scan# 2110  
Delta R.T. -0.01 min  
Lab File: VX006064.D  
Acq: 17 Nov 2018 12:38

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 180     | 100   | 46357 |       |       |
| 182     | 96.5  |       | 48.0  | 144.2 |
| 145     | 29.8  |       | 15.1  | 45.3  |

