

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX092818\  
 Data File : VX004815.D  
 Acq On : 28 Sep 2018 12:33  
 Operator : JC/MD  
 Sample : VX0928MBS01  
 Misc : 5.00µg/10mL/100µL/5.0mL/MSVOA\_X/MEOH  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0928MBS01

Manual Integrations  
 APPROVED

MMDadoda  
 10/1/2018 1:31:27 PM

Quant Time: Sep 29 06:37:52 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X092618W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Sep 26 14:17:02 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.66  | 168  | 203907   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.86  | 114  | 312615   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.12 | 117  | 312282   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152  | 194565   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 6.06   | 65  | 161496   | 55.44 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 110.88% |      |
| 35) Dibromofluoromethane  | 5.49   | 113 | 125622   | 47.41 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 94.82%  |      |
| 50) Toluene-d8            | 8.71   | 98  | 470673   | 53.44 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 106.88% |      |
| 62) 4-Bromofluorobenzene  | 11.14  | 95  | 177405   | 55.91 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 111.82% |      |

## Target Compounds

|                               |      |     |        |         |      | Qvalue |
|-------------------------------|------|-----|--------|---------|------|--------|
| 2) Dichlorodifluoromethane    | 1.20 | 85  | 55343  | 19.906  | ug/l | 98     |
| 3) Chloromethane              | 1.32 | 50  | 67266  | 19.942  | ug/l | 98     |
| 4) Vinyl Chloride             | 1.40 | 62  | 62239  | 19.673  | ug/l | 97     |
| 5) Bromomethane               | 1.64 | 94  | 33518  | 17.867  | ug/l | 98     |
| 6) Chloroethane               | 1.71 | 64  | 38263  | 20.836  | ug/l | 97     |
| 7) Trichlorofluoromethane     | 1.92 | 101 | 78053  | 19.929  | ug/l | 94     |
| 8) Diethyl Ether              | 2.19 | 74  | 36282  | 21.324  | ug/l | 85     |
| 9) 1,1,2-Trichlorotrifluoroet | 2.38 | 101 | 42404  | 19.007  | ug/l | 96     |
| 10) Methyl Iodide             | 2.51 | 142 | 30507  | 10.219  | ug/l | 99     |
| 11) Tert butyl alcohol        | 3.07 | 59  | 91978  | 112.933 | ug/l | 99     |
| 12) 1,1-Dichloroethene        | 2.37 | 96  | 42742  | 19.345  | ug/l | 95     |
| 13) Acrolein                  | 2.29 | 56  | 50001  | 86.286  | ug/l | 97     |
| 14) Allyl chloride            | 2.72 | 41  | 102722 | 21.308  | ug/l | 95     |
| 15) Acrylonitrile             | 3.15 | 53  | 201789 | 112.548 | ug/l | 98     |
| 16) Acetone                   | 2.45 | 43  | 183378 | 107.834 | ug/l | 95     |
| 17) Carbon Disulfide          | 2.56 | 76  | 121851 | 18.354  | ug/l | 100    |
| 18) Methyl Acetate            | 2.78 | 43  | 103549 | 24.033  | ug/l | 94     |
| 19) Methyl tert-butyl Ether   | 3.20 | 73  | 176819 | 23.202  | ug/l | 95     |
| 20) Methylene Chloride        | 2.85 | 84  | 56701  | 22.470  | ug/l | 95     |
| 21) trans-1,2-Dichloroethene  | 3.16 | 96  | 47585  | 19.675  | ug/l | 93     |
| 22) Diisopropyl ether         | 3.87 | 45  | 188472 | 23.218  | ug/l | 91     |
| 23) Vinyl Acetate             | 3.82 | 43  | 883387 | 118.885 | ug/l | 94     |
| 24) 1,1-Dichloroethane        | 3.69 | 63  | 101029 | 20.864  | ug/l | 97     |
| 25) 2-Butanone                | 4.70 | 43  | 268164 | 106.980 | ug/l | 95     |
| 26) 2,2-Dichloropropane       | 4.58 | 77  | 66387  | 19.688  | ug/l | 99     |
| 27) cis-1,2-Dichloroethene    | 4.59 | 96  | 53941  | 19.964  | ug/l | 93     |
| 28) Bromochloromethane        | 5.01 | 49  | 47317  | 20.750  | ug/l | 88     |
| 29) Tetrahydrofuran           | 5.15 | 42  | 175430 | 112.600 | ug/l | 91     |
| 30) Chloroform                | 5.21 | 83  | 93220  | 20.370  | ug/l | 97     |
| 31) Cyclohexane               | 5.57 | 56  | 71515  | 19.296  | ug/l | 92     |
| 32) 1,1,1-Trichloroethane     | 5.49 | 97  | 73022  | 19.538  | ug/l | 99     |
| 36) 1,1-Dichloropropene       | 5.79 | 75  | 62382  | 17.257  | ug/l | 100    |
| 37) Ethyl Acetate             | 4.85 | 43  | 95392  | 19.880  | ug/l | 98     |
| 38) Carbon Tetrachloride      | 5.77 | 117 | 62166  | 16.360  | ug/l | 97     |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX092818\  
 Data File : VX004815.D  
 Acq On : 28 Sep 2018 12:33  
 Operator : JC/MD  
 Sample : VX0928MBS01  
 Misc : 5.00µ/10mL/100uL/5.0mL/MSVOA\_X/MEOH  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0928MBS01

Manual Integrations  
 APPROVED

MMDadoda  
 10/1/2018 1:31:27 PM

Quant Time: Sep 29 06:37:52 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X092618W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Sep 26 14:17:02 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units | Dev(Min) |
|--------------------------------|-------|------|----------|---------|-------|----------|
| 39) Methylcyclohexane          | 7.46  | 83   | 65413    | 17.722  | ug/l  | 95       |
| 40) Benzene                    | 6.14  | 78   | 205085   | 18.122  | ug/l  | 99       |
| 41) Methacrylonitrile          | 5.06  | 41   | 52698    | 19.803  | ug/l  | 96       |
| 42) 1,2-Dichloroethane         | 6.20  | 62   | 78515    | 19.626  | ug/l  | 97       |
| 43) Isopropyl Acetate          | 6.46  | 43   | 137973   | 19.922  | ug/l  | 96       |
| 44) Trichloroethene            | 7.21  | 130  | 53214    | 19.128  | ug/l  | 98       |
| 45) 1,2-Dichloropropane        | 7.51  | 63   | 58714    | 21.156  | ug/l  | 99       |
| 46) Dibromomethane             | 7.66  | 93   | 37364    | 21.422  | ug/l  | 97       |
| 47) Bromodichloromethane       | 7.90  | 83   | 69589    | 21.310  | ug/l  | 99       |
| 48) Methyl methacrylate        | 7.77  | 41   | 71572    | 22.768  | ug/l  | 93       |
| 49) 1,4-Dioxane                | 7.75  | 88   | 33917    | 434.299 | ug/l  | 94       |
| 51) 4-Methyl-2-Pentanone       | 8.65  | 43   | 507285   | 116.330 | ug/l  | 93       |
| 52) Toluene                    | 8.79  | 92   | 127565   | 20.514  | ug/l  | 96       |
| 53) t-1,3-Dichloropropene      | 9.04  | 75   | 75954    | 20.583  | ug/l  | 97       |
| 54) cis-1,3-Dichloropropene    | 8.43  | 75   | 83233    | 21.534  | ug/l  | 96       |
| 55) 1,1,2-Trichloroethane      | 9.21  | 97   | 56722    | 20.824  | ug/l  | 98       |
| 56) Ethyl methacrylate         | 9.18  | 69   | 83156    | 20.598  | ug/l  | 93       |
| 57) 1,3-Dichloropropane        | 9.37  | 76   | 94586    | 20.864  | ug/l  | 99       |
| 58) 2-Chloroethyl Vinyl ether  | 8.31  | 63   | 248784   | 114.203 | ug/l  | 93       |
| 59) 2-Hexanone                 | 9.49  | 43   | 401875   | 110.591 | ug/l  | 92       |
| 60) Dibromochloromethane       | 9.58  | 129  | 54603    | 20.044  | ug/l  | 98       |
| 61) 1,2-Dibromoethane          | 9.67  | 107  | 58456    | 20.039  | ug/l  | 100      |
| 64) Tetrachloroethene          | 9.34  | 164  | 50822    | 16.535  | ug/l  | 97       |
| 65) Chlorobenzene              | 10.14 | 112  | 146547   | 18.301  | ug/l  | 96       |
| 66) 1,1,1,2-Tetrachloroethane  | 10.22 | 131  | 51647    | 18.346  | ug/l  | 100      |
| 67) Ethyl Benzene              | 10.25 | 91   | 233202   | 18.343  | ug/l  | 95       |
| 68) m/p-Xylenes                | 10.36 | 106  | 185886   | 37.416  | ug/l  | 95       |
| 69) o-Xylene                   | 10.70 | 106  | 89218    | 19.552  | ug/l  | 96       |
| 70) Styrene                    | 10.71 | 104  | 153480   | 19.354  | ug/l  | 97       |
| 71) Bromoform                  | 10.86 | 173  | 44387    | 18.417  | ug/l  | 100      |
| 73) Isopropylbenzene           | 11.02 | 105  | 230997   | 18.836  | ug/l  | 100      |
| 74) N-amyl acetate             | 10.90 | 43   | 121568   | 19.152  | ug/l  | 94       |
| 75) 1,1,2,2-Tetrachloroethane  | 11.27 | 83   | 93515    | 18.732  | ug/l  | 99       |
| 76) 1,2,3-Trichloropropane     | 11.30 | 75   | 86869m   | 19.920  | ug/l  |          |
| 77) Bromobenzene               | 11.26 | 156  | 67609    | 18.980  | ug/l  | 96       |
| 78) n-propylbenzene            | 11.36 | 91   | 270026   | 19.190  | ug/l  | 99       |
| 79) 2-Chlorotoluene            | 11.42 | 91   | 169289   | 19.301  | ug/l  | 98       |
| 80) 1,3,5-Trimethylbenzene     | 11.51 | 105  | 202071   | 17.851  | ug/l  | 96       |
| 81) trans-1,4-Dichloro-2-buten | 11.07 | 75   | 24427    | 16.657  | ug/l  | 95       |
| 82) 4-Chlorotoluene            | 11.51 | 91   | 199976   | 19.371  | ug/l  | 99       |
| 83) tert-Butylbenzene          | 11.77 | 119  | 193718   | 19.186  | ug/l  | 99       |
| 84) 1,2,4-Trimethylbenzene     | 11.81 | 105  | 211015   | 18.078  | ug/l  | 98       |
| 85) sec-Butylbenzene           | 11.94 | 105  | 228030   | 18.541  | ug/l  | 98       |
| 86) p-Isopropyltoluene         | 12.07 | 119  | 206308   | 18.515  | ug/l  | 98       |
| 87) 1,3-Dichlorobenzene        | 12.02 | 146  | 124778   | 18.760  | ug/l  | 99       |
| 88) 1,4-Dichlorobenzene        | 12.10 | 146  | 127680   | 18.595  | ug/l  | 98       |
| 89) n-Butylbenzene             | 12.39 | 91   | 175963   | 17.388  | ug/l  | 96       |
| 90) Hexachloroethane           | 12.60 | 117  | 32516    | 17.527  | ug/l  | 99       |
| 91) 1,2-Dichlorobenzene        | 12.39 | 146  | 127864   | 18.395  | ug/l  | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 13.00 | 75   | 21599    | 19.705  | ug/l  | 94       |

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX092818\  
Data File : VX004815.D  
Acq On : 28 Sep 2018 12:33  
Operator : JC/MD  
Sample : VX0928MBS01  
Misc : 5.00g/10mL/100uL/5.0mL/MSVOA\_X/MEOH  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0928MBS01

Manual Integrations  
APPROVED

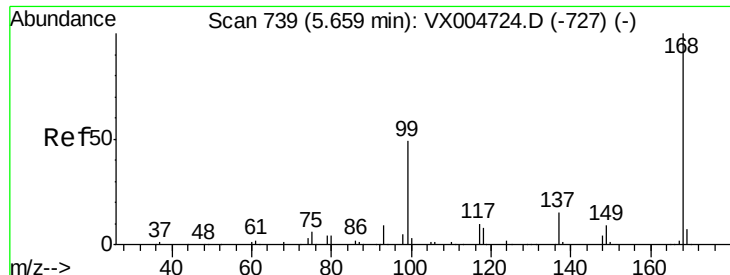
MMDadoda  
10/1/2018 1:31:27 PM

Quant Time: Sep 29 06:37:52 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X092618W.M  
Quant Title : SW846 8260  
QLast Update : Wed Sep 26 14:17:02 2018  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 13.65 | 180  | 89997    | 18.457 | ug/l  | 99       |
| 94) Hexachlorobutadiene    | 13.79 | 225  | 39675    | 15.691 | ug/l  | 97       |
| 95) Naphthalene            | 13.83 | 128  | 288975   | 18.318 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 14.02 | 180  | 95235    | 18.907 | ug/l  | 97       |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.00 min

Lab File: VX004815.D

Acq: 28 Sep 2018 12:33

Instrument :

MSVOA\_X

ClientSampleId :

VX0928MBS01

Tot Ion:168 Resp: 203907

Ion Ratio Lower Upper

168 100

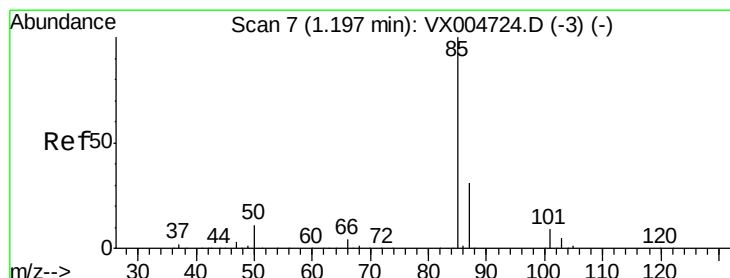
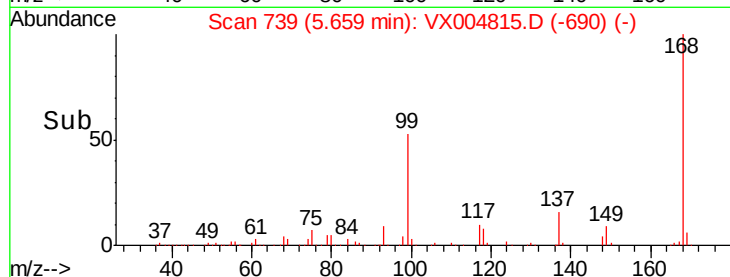
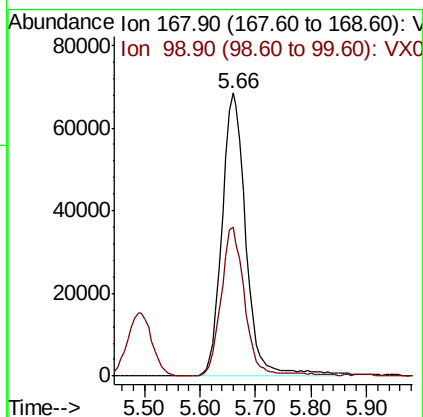
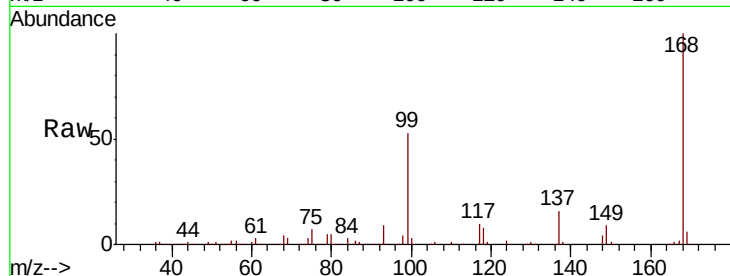
99 52.4 39.9 59.9

Manual Integrations

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10/1/2018 1:31:27 PM



#2

Dichlorodifluoromethane

Concen: 19.906 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX004815.D

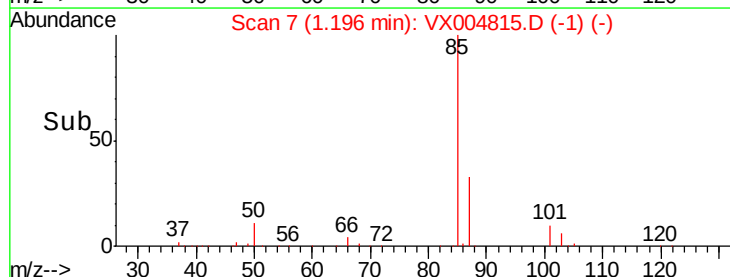
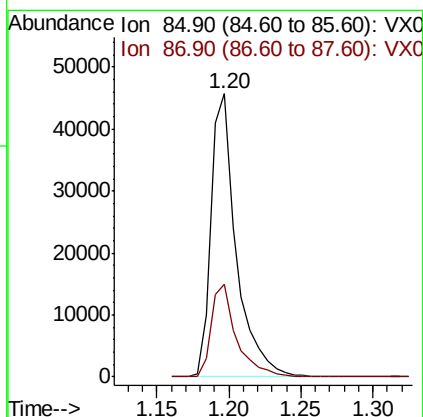
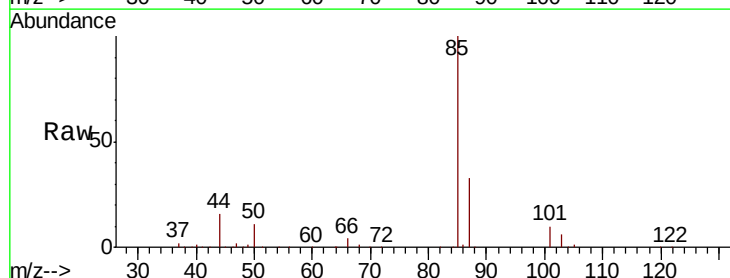
Acq: 28 Sep 2018 12:33

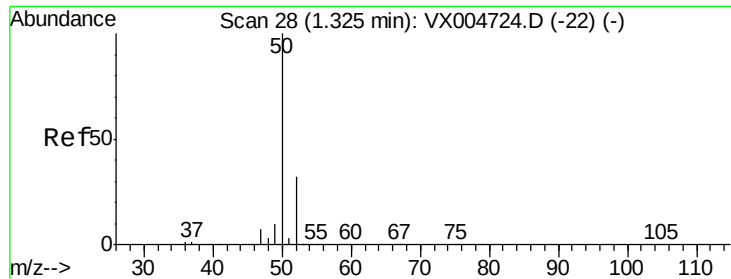
Tgt Ion: 85 Resp: 55343

Ion Ratio Lower Upper

85 100

87 32.9 17.0 50.9





#3

Chloromethane

Concen: 19.942 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX004815.D

Acq: 28 Sep 2018 12:33

Instrument :

MSVOA\_X

ClientSampleId :

VX0928MBS01

Tot Ion: 50 Resp: 67266

Ion Ratio Lower Upper

50 100

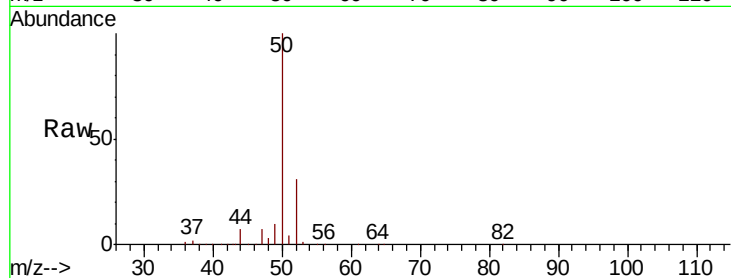
52 31.4 26.2 39.2

Manual Integrations

APPROVED

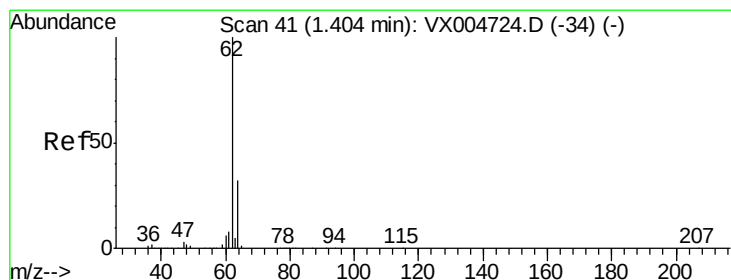
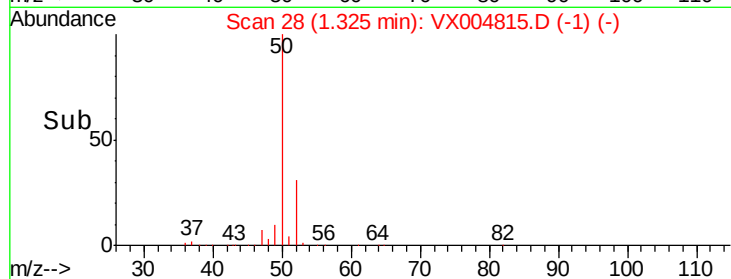
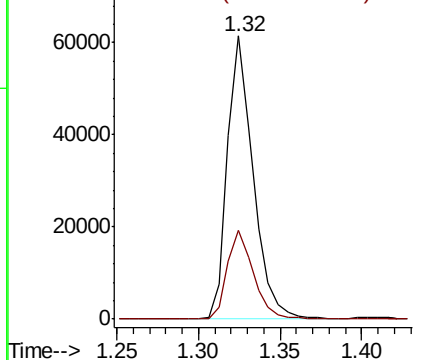
MMDadoda

10/1/2018 1:31:27 PM



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 19.673 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.00 min

Lab File: VX004815.D

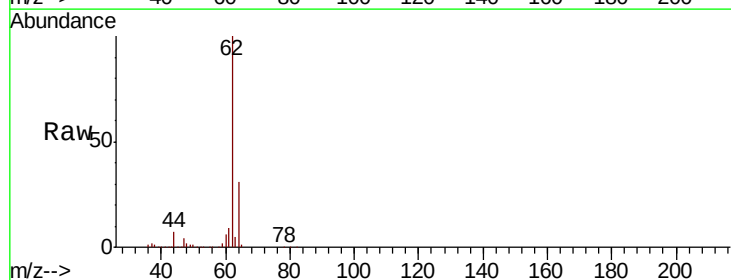
Acq: 28 Sep 2018 12:33

Tgt Ion: 62 Resp: 62239

Ion Ratio Lower Upper

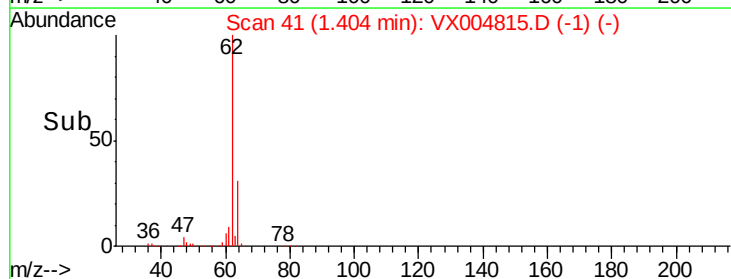
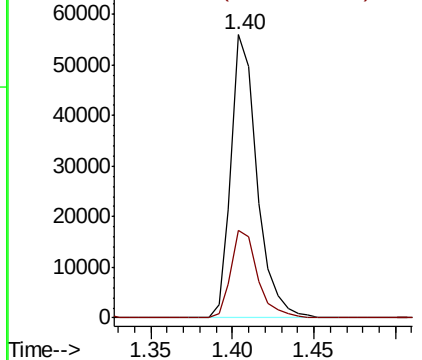
62 100

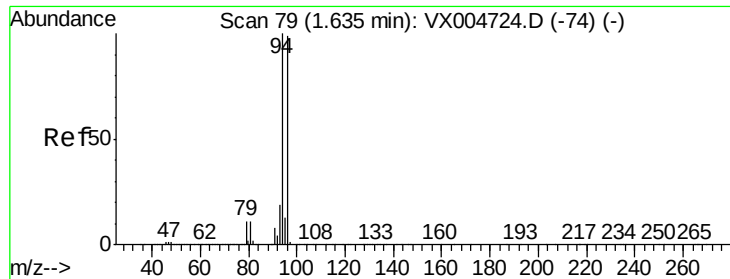
64 30.7 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 17.867 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX004815.D

Acq: 28 Sep 2018 12:33

Instrument :

MSVOA\_X

ClientSampleId :

VX0928MBS01

Tot Ion: 94 Resp: 33518

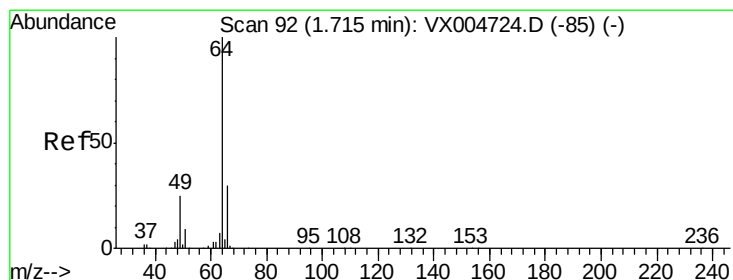
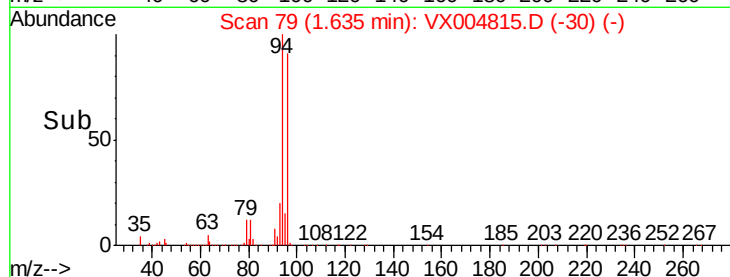
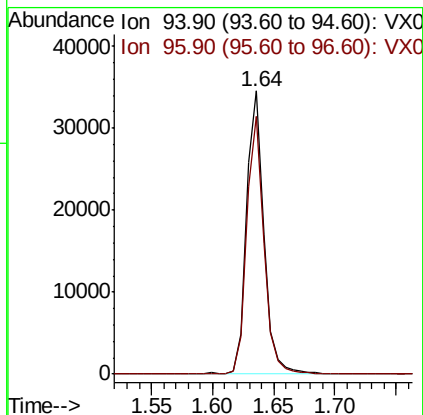
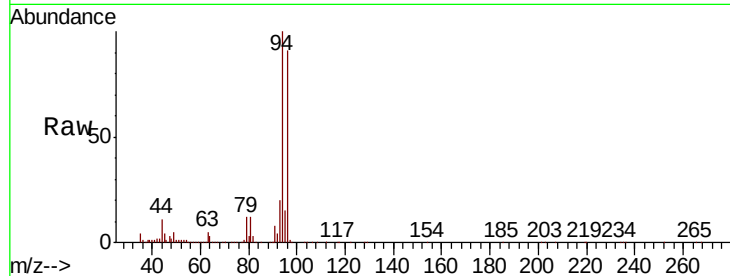
Ion Ratio Lower Upper

94 100

96 91.2 74.5 111.7

Manual Integrations  
APPROVED

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10/1/2018 1:31:27 PM



#6

Chloroethane

Concen: 20.836 ug/l

RT: 1.71 min Scan# 91

Delta R.T. -0.01 min

Lab File: VX004815.D

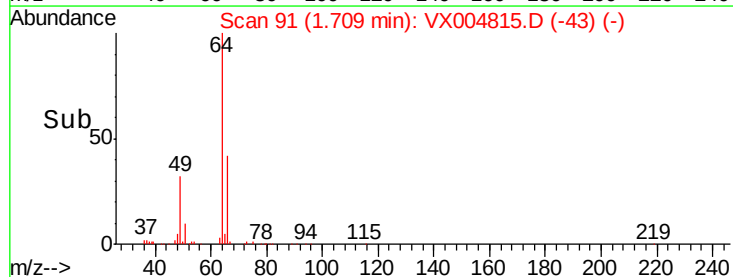
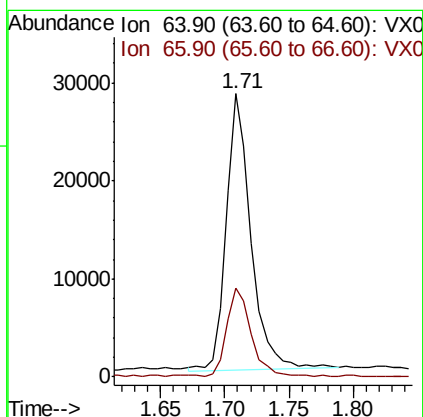
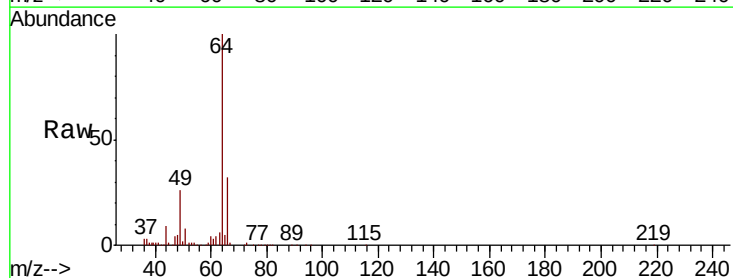
Acq: 28 Sep 2018 12:33

Tgt Ion: 64 Resp: 38263

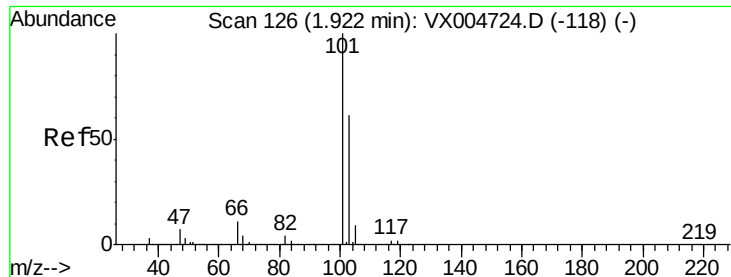
Ion Ratio Lower Upper

64 100

66 32.2 24.6 36.8







#7

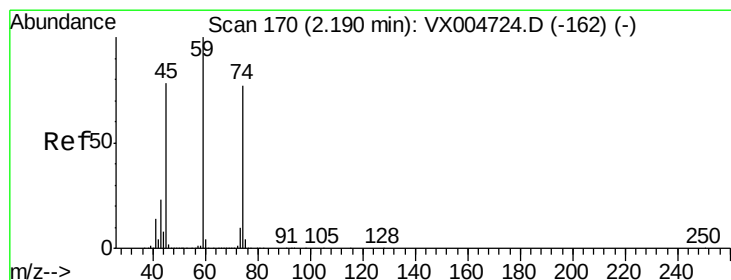
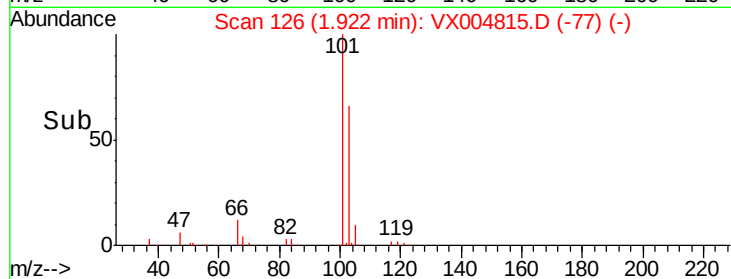
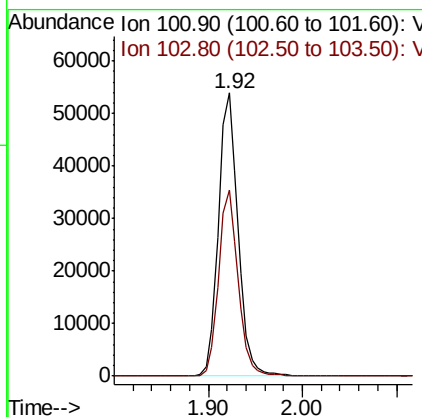
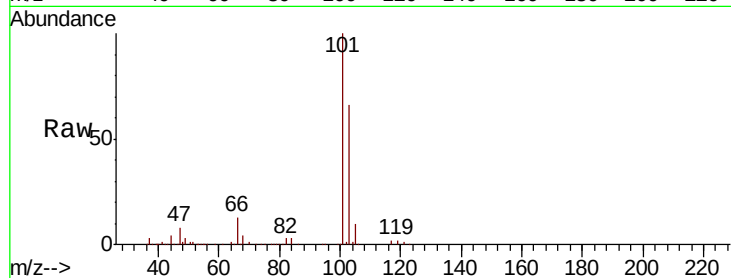
Trichlorofluoromethane  
Concen: 19.929 ug/l  
RT: 1.92 min Scan# 126  
Delta R.T. -0.00 min  
Lab File: VX004815.D  
Acq: 28 Sep 2018 12:33

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0928MBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 65.9  | 48.9  | 73.3  |

Manual Integrations  
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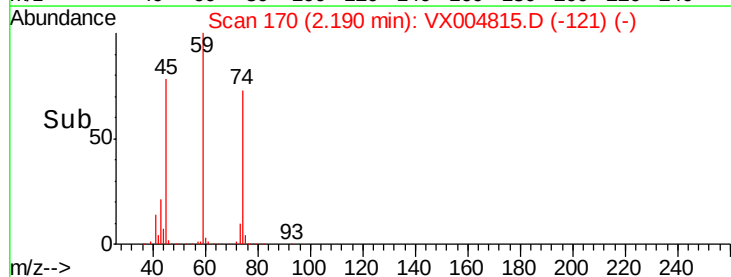
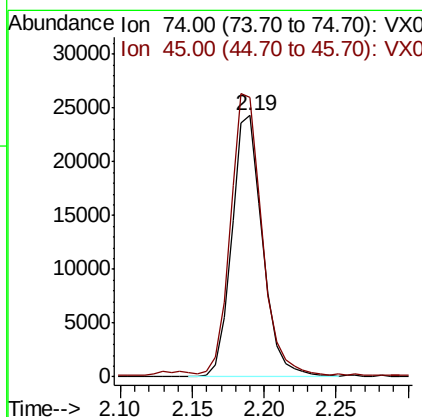
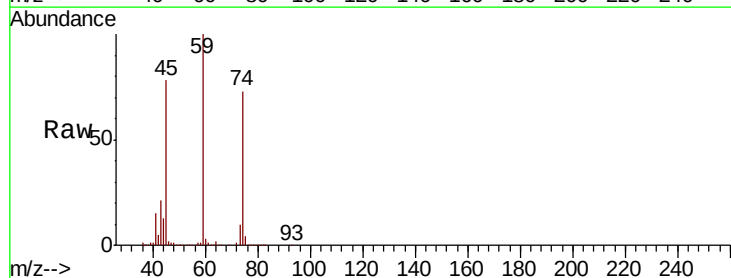
MMDadoda  
10/1/2018 1:31:27 PM



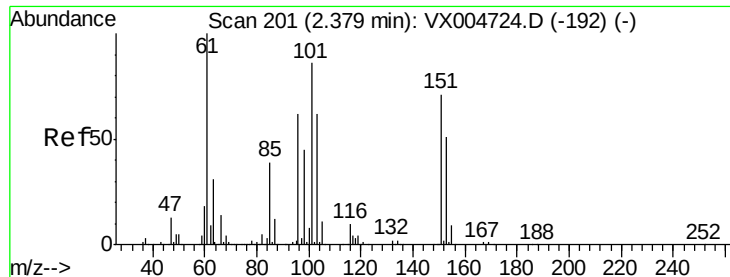
#8

Diethyl Ether  
Concen: 21.324 ug/l  
RT: 2.19 min Scan# 170  
Delta R.T. -0.00 min  
Lab File: VX004815.D  
Acq: 28 Sep 2018 12:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 110.8 | 48.3  | 144.8 |







#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.007 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX004815.D

Acq: 28 Sep 2018 12:33

Instrument :

MSVOA\_X

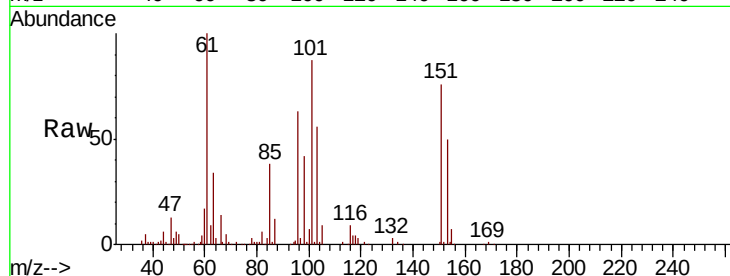
ClientSampleId :

VX0928MBS01

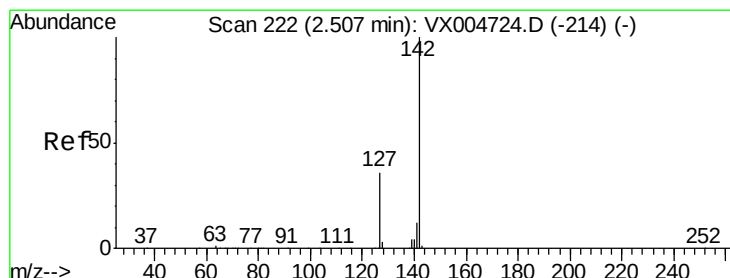
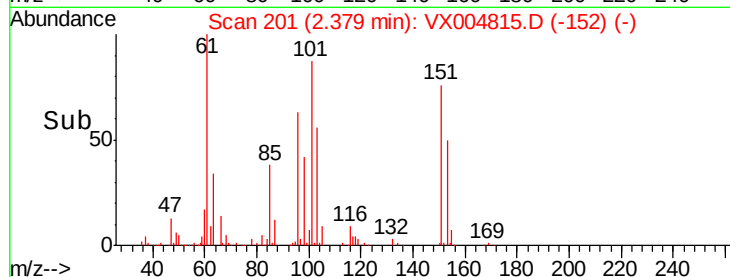
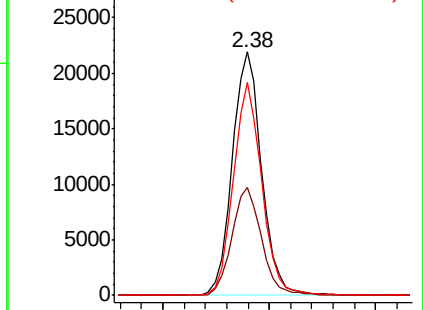
|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 101   | Resp: | 42404 |
| Ion Ratio | Lower | Upper |       |
| 101       | 100   |       |       |
| 85        | 44.8  | 34.2  | 51.4  |
| 151       | 84.6  | 65.0  | 97.6  |

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



#10

Methyl Iodide

Concen: 10.219 ug/l

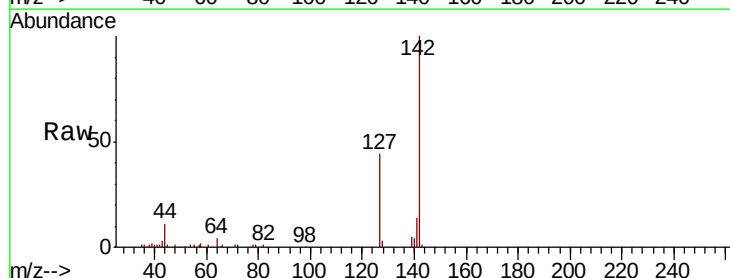
RT: 2.51 min Scan# 222

Delta R.T. -0.00 min

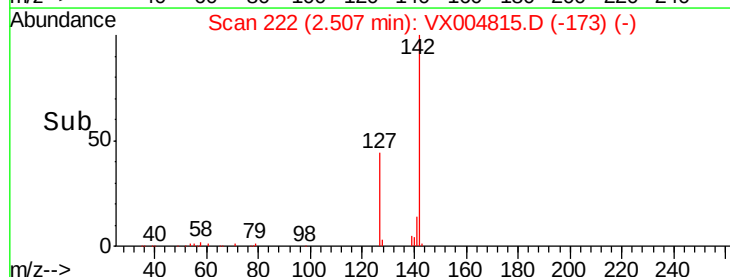
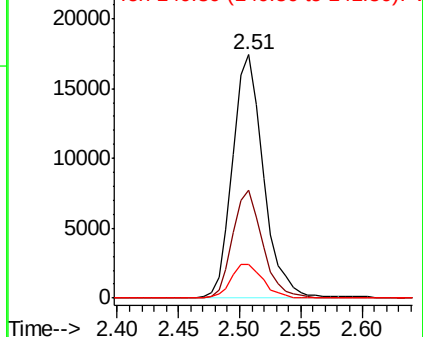
Lab File: VX004815.D

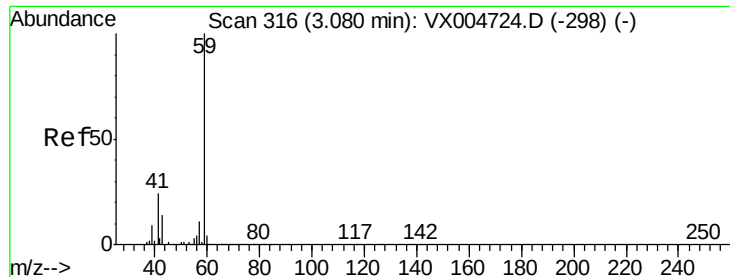
Acq: 28 Sep 2018 12:33

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 142   | Resp: | 30507 |
| Ion Ratio | Lower | Upper |       |
| 142       | 100   |       |       |
| 127       | 43.1  | 33.8  | 50.6  |
| 141       | 14.4  | 11.4  | 17.0  |



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





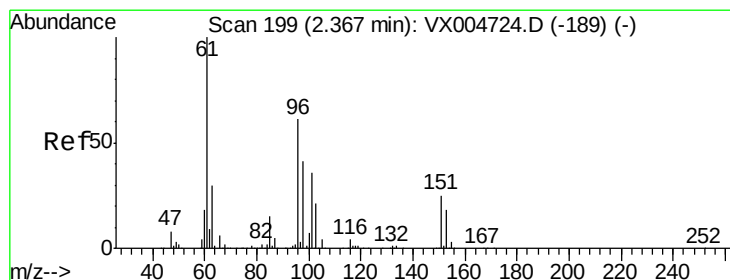
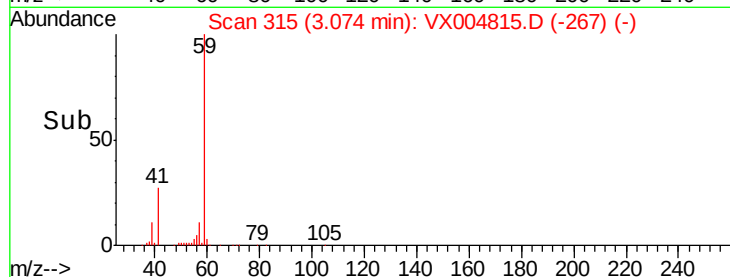
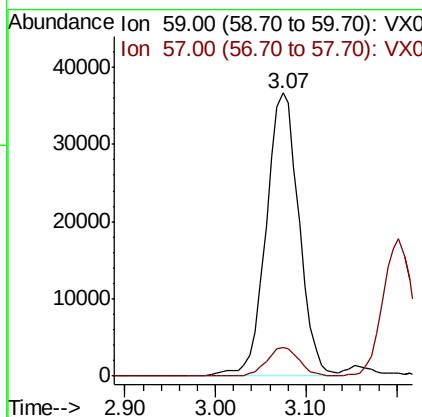
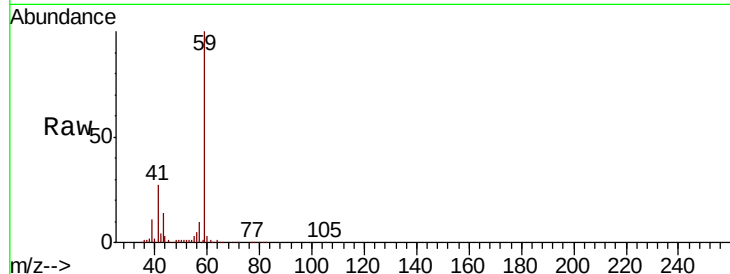
#11  
Tert butyl alcohol  
Concen: 112.933 ug/l  
RT: 3.07 min Scan# 315  
Delta R.T. -0.01 min  
Lab File: VX004815.D  
Acq: 28 Sep 2018 12:33

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0928MBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 59      | 100   |       |       |
| 57      | 10.1  | 8.2   | 12.4  |

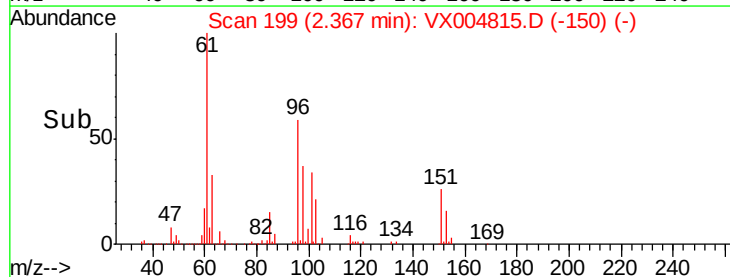
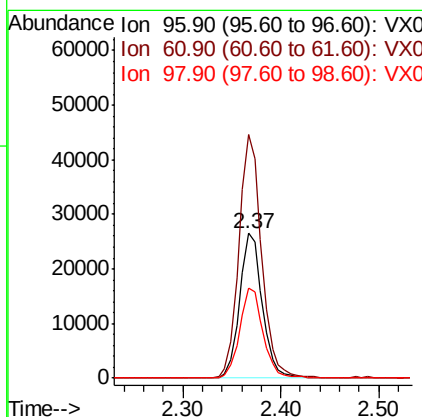
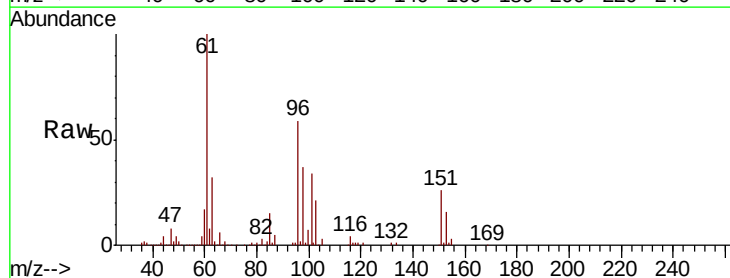
Manual Integrations  
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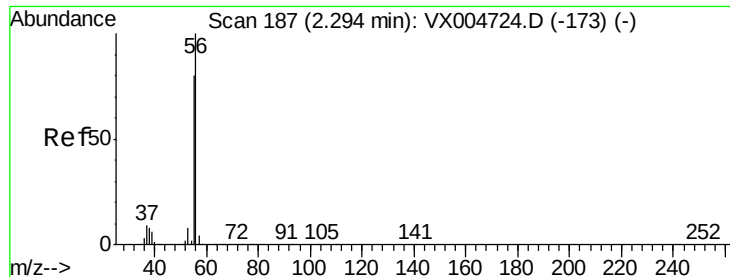
MMDadoda  
10/1/2018 1:31:27 PM



#12  
1,1-Dichloroethene  
Concen: 19.345 ug/l  
RT: 2.37 min Scan# 199  
Delta R.T. -0.00 min  
Lab File: VX004815.D  
Acq: 28 Sep 2018 12:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 168.5 | 128.8 | 193.2 |
| 98      | 62.4  | 52.2  | 78.2  |





#13

Acrolein

Concen: 86.286 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX004815.D

Acq: 28 Sep 2018 12:33

Instrument :

MSVOA\_X

ClientSampleId :

VX0928MBS01

Tot Ion: 56 Resp: 50001

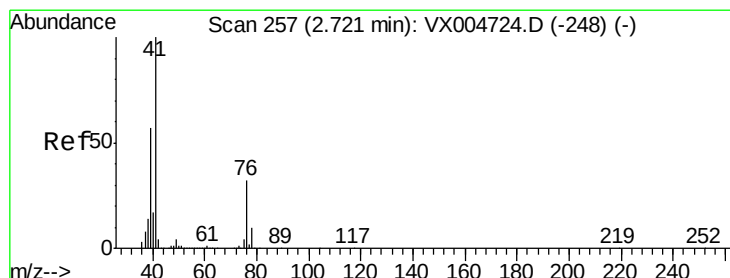
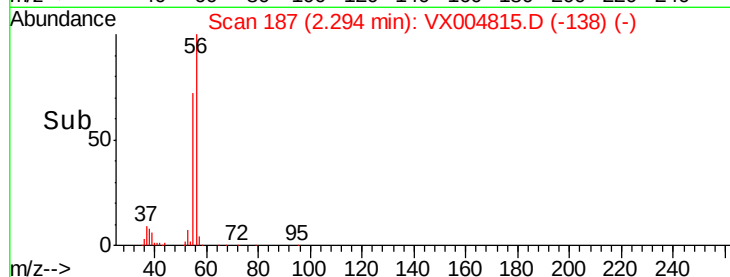
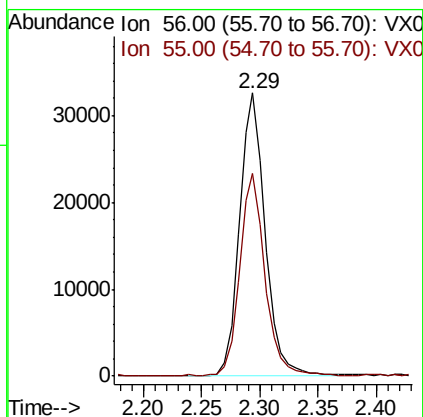
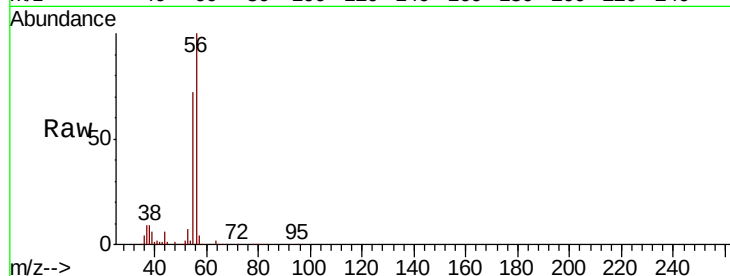
Ion Ratio Lower Upper

56 100

55 71.0 54.7 82.1

Manual Integrations  
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#14

Allyl chloride

Concen: 21.308 ug/l

RT: 2.72 min Scan# 257

Delta R.T. -0.00 min

Lab File: VX004815.D

Acq: 28 Sep 2018 12:33

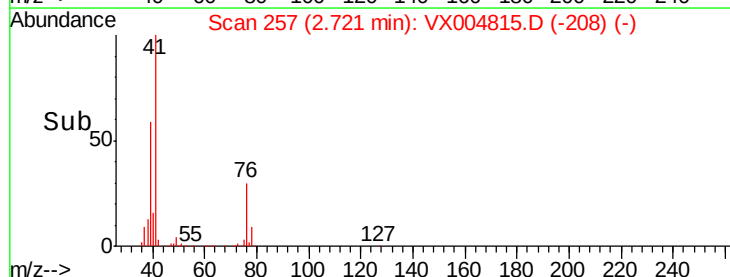
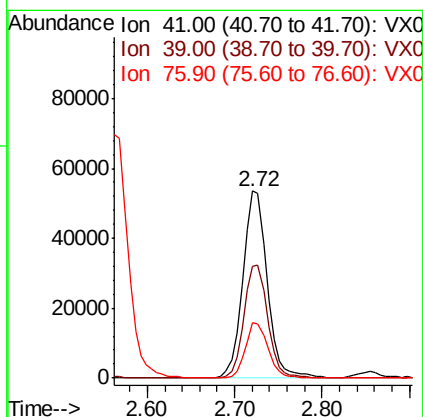
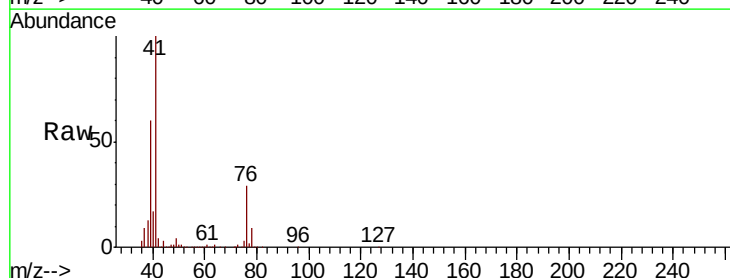
Tgt Ion: 41 Resp: 102722

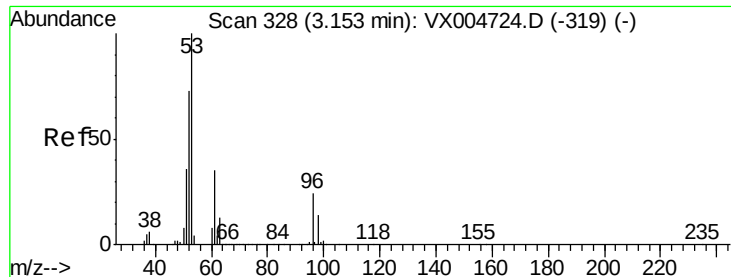
Ion Ratio Lower Upper

41 100

39 59.6 48.9 73.3

76 27.5 26.7 40.1





#15

Acrylonitrile

Concen: 112.548 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.01 min

Lab File: VX004815.D

Acq: 28 Sep 2018 12:33

Instrument :

MSVOA\_X

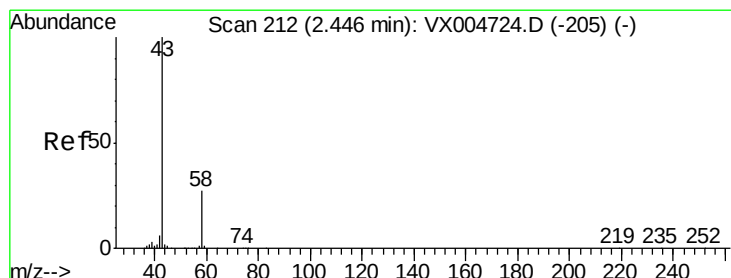
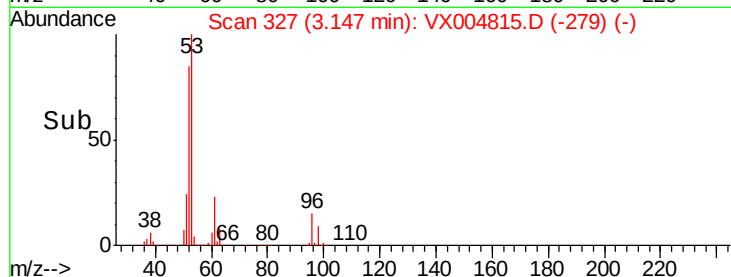
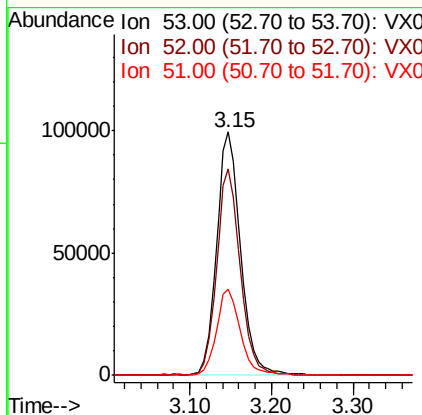
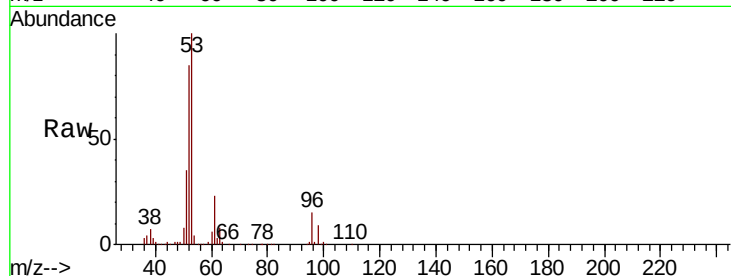
ClientSampleId :

VX0928MBS01

| Tot Ion | 53    | Resp  | 201789 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 53      | 100   |       |        |
| 52      | 83.4  | 65.2  | 97.8   |
| 51      | 35.8  | 28.2  | 42.2   |

Manual Integrations  
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#16

Acetone

Concen: 107.834 ug/l

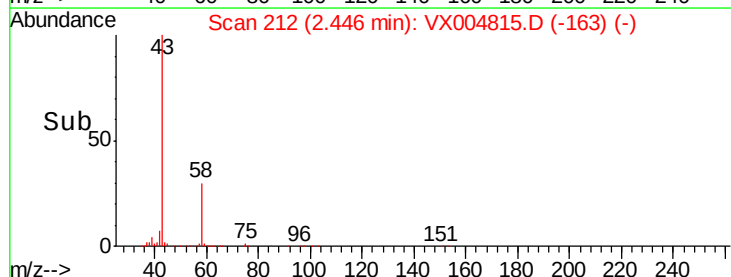
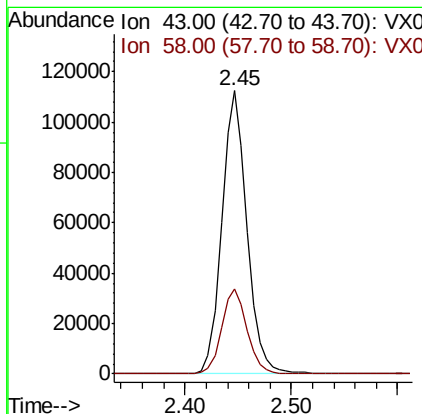
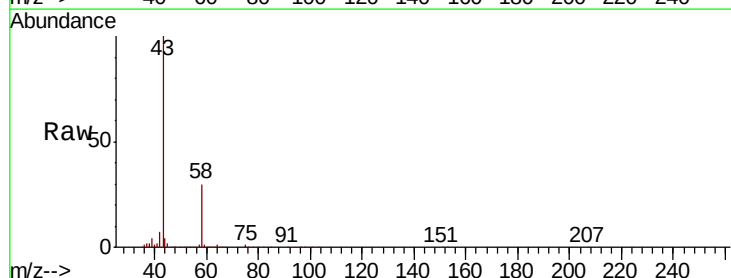
RT: 2.45 min Scan# 212

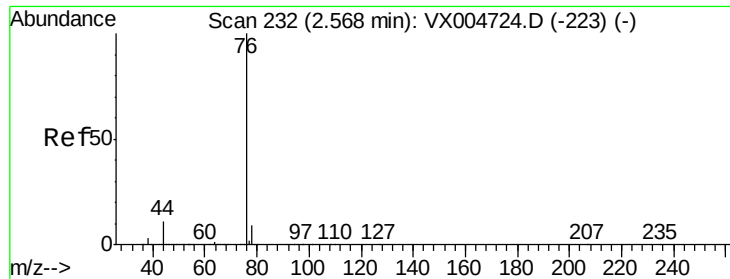
Delta R.T. -0.00 min

Lab File: VX004815.D

Acq: 28 Sep 2018 12:33

| Tgt Ion | 43    | Resp  | 183378 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 43      | 100   |       |        |
| 58      | 30.2  | 26.2  | 39.4   |





#17

Carbon Disulfide

Concen: 18.354 ug/l

RT: 2.56 min Scan# 231

Delta R.T. -0.01 min

Lab File: VX004815.D

Acq: 28 Sep 2018 12:33

Instrument :

MSVOA\_X

ClientSampleId :

VX0928MBS01

Tot Ion: 76 Resp: 121851

Ion Ratio Lower Upper

76 100

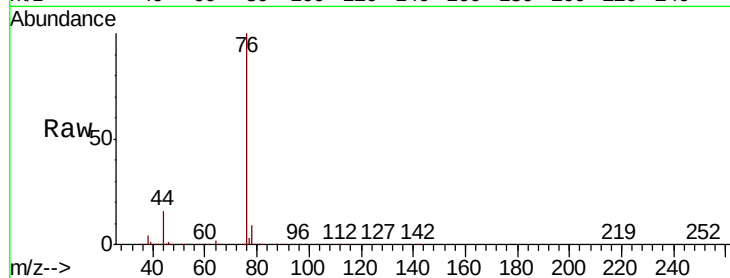
78 8.9 7.0 10.6

Manual Integrations

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10/1/2018 1:31:27 PM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.56

80000

60000

40000

20000

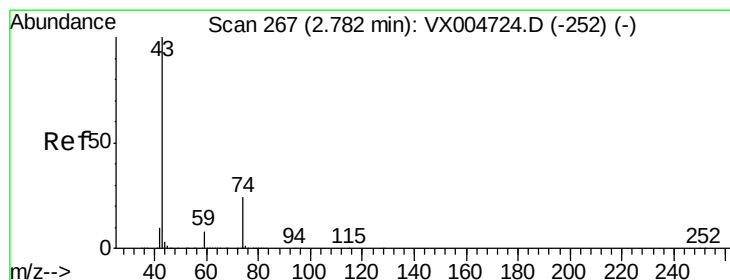
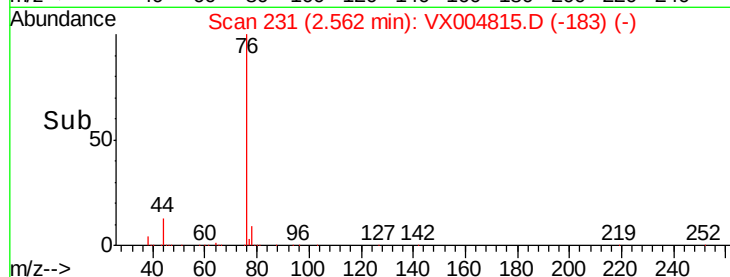
0

Time-->

2.50

2.60

2.70



#18

Methyl Acetate

Concen: 24.033 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.01 min

Lab File: VX004815.D

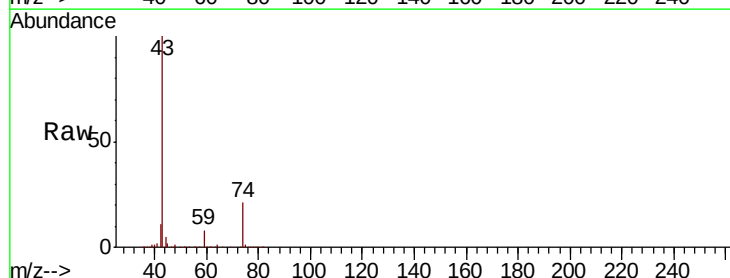
Acq: 28 Sep 2018 12:33

Tgt Ion: 43 Resp: 103549

Ion Ratio Lower Upper

43 100

74 21.3 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

60000

40000

20000

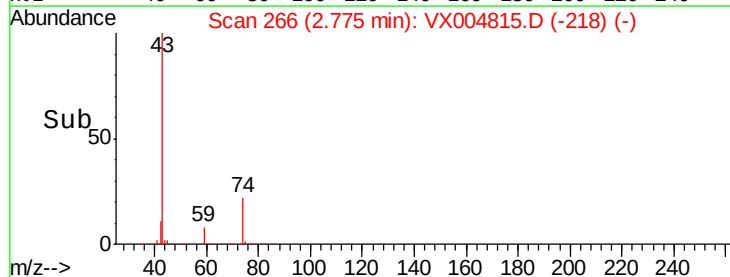
0

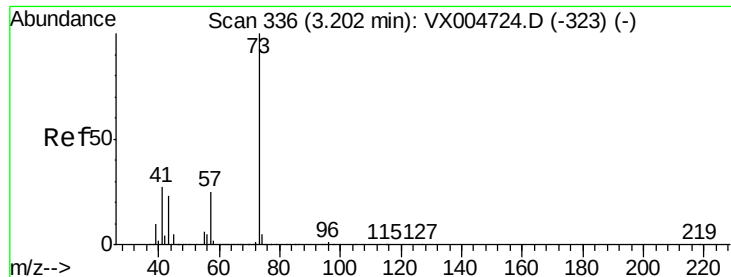
Time-->

2.70

2.80

2.90





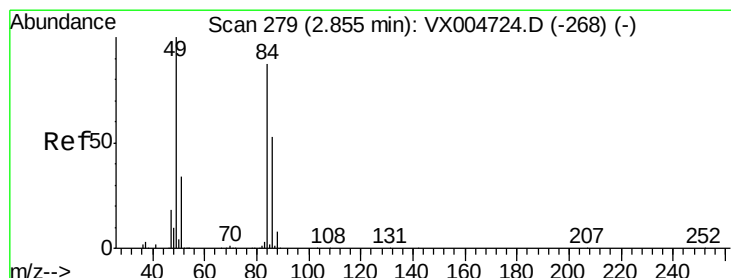
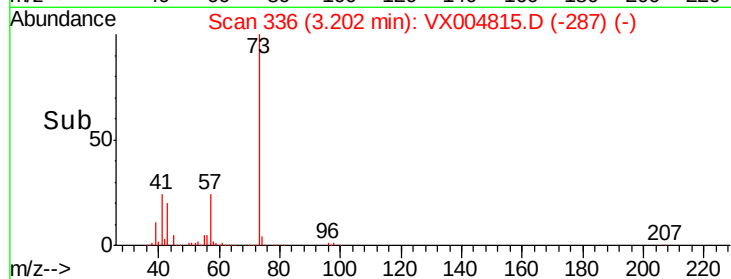
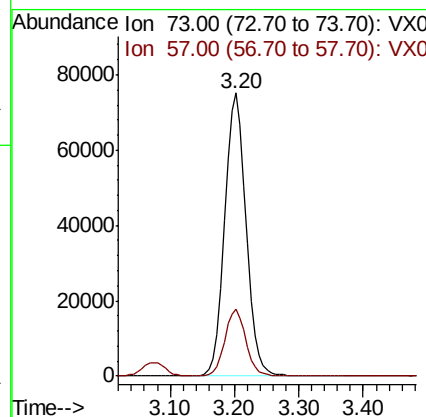
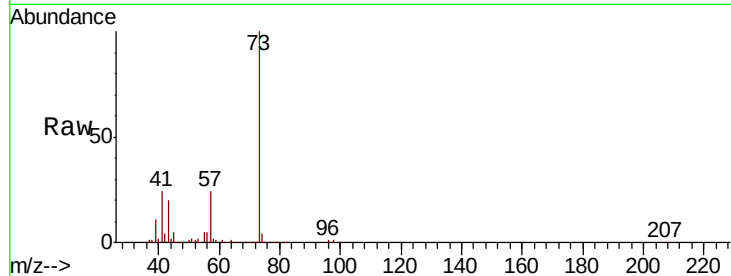
#19  
Methyl tert-butyl Ether  
Concen: 23.202 ug/l  
RT: 3.20 min Scan# 336  
Delta R.T. -0.00 min  
Lab File: VX004815.D  
Acq: 28 Sep 2018 12:33

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0928MBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 73      | 100   |       |       |
| 57      | 23.7  | 17.1  | 25.7  |

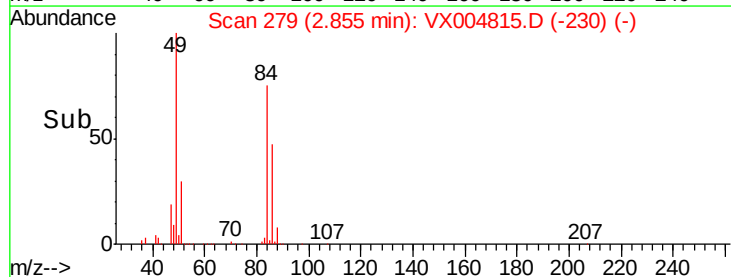
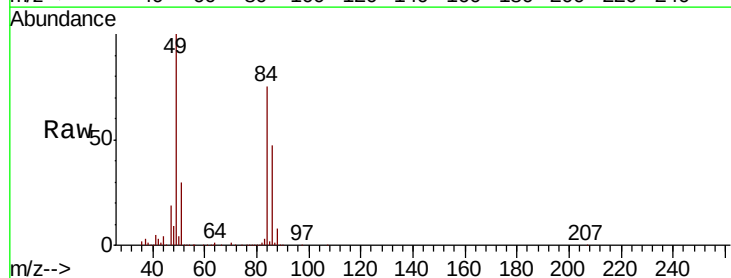
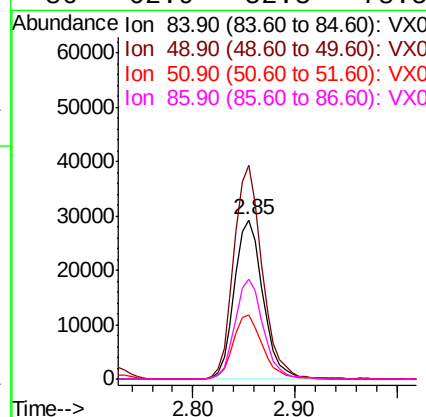
Manual Integrations  
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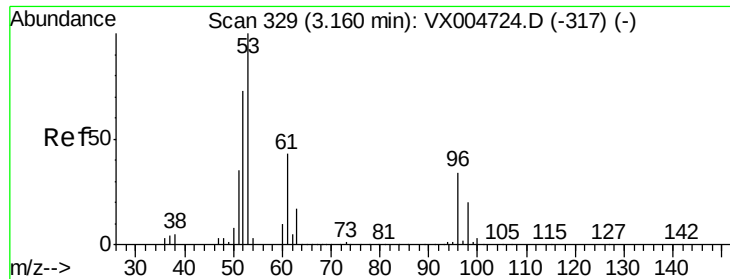
MMDadoda  
10/1/2018 1:31:27 PM



#20  
Methylene Chloride  
Concen: 22.470 ug/l  
RT: 2.85 min Scan# 279  
Delta R.T. 0.00 min  
Lab File: VX004815.D  
Acq: 28 Sep 2018 12:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 84      | 100   |       |       |
| 49      | 134.0 | 101.2 | 151.8 |
| 51      | 39.6  | 29.5  | 44.3  |
| 86      | 62.9  | 52.3  | 78.5  |





#21

trans-1,2-Dichloroethene

Concen: 19.675 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.00 min

Lab File: VX004815.D

Acq: 28 Sep 2018 12:33

Instrument :

MSVOA\_X

ClientSampleId :

VX0928MBS01

Tot Ion: 96 Resp: 47585

Ion Ratio Lower Upper

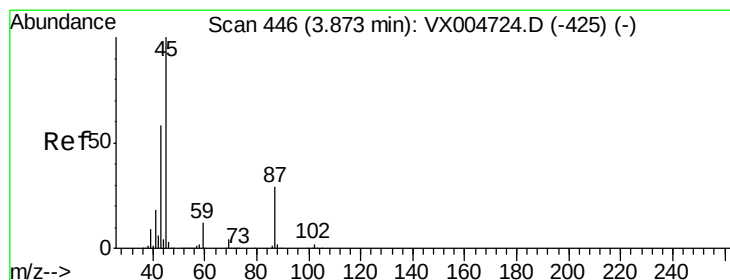
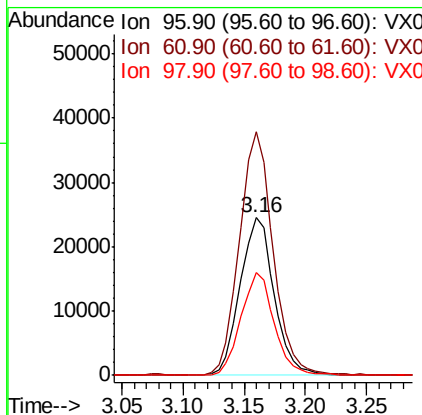
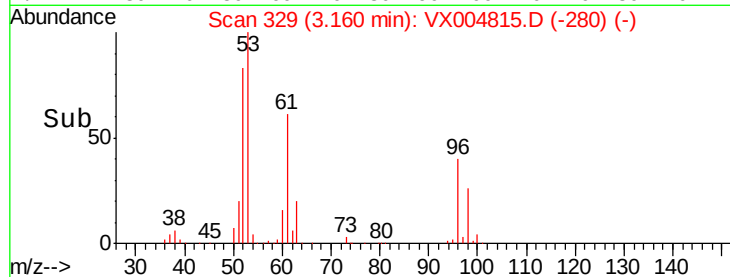
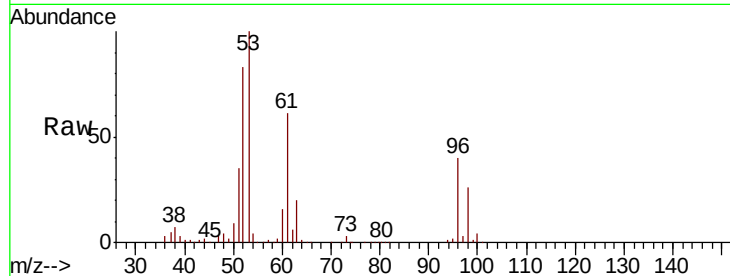
96 100

61 154.4 113.8 170.6

98 65.2 51.8 77.8

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#22

Diisopropyl ether

Concen: 23.218 ug/l

RT: 3.87 min Scan# 446

Delta R.T. -0.01 min

Lab File: VX004815.D

Acq: 28 Sep 2018 12:33

Tgt Ion: 45 Resp: 188472

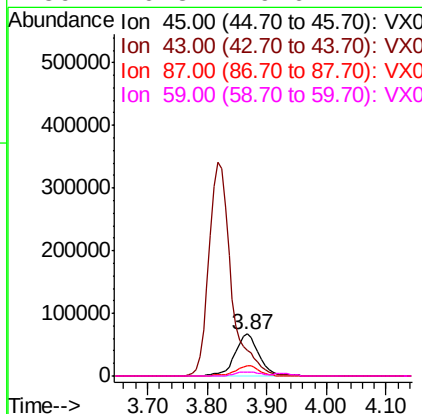
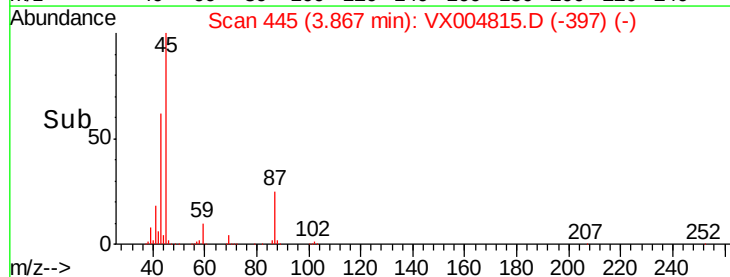
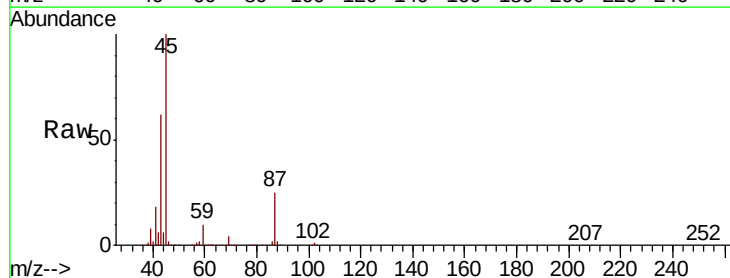
Ion Ratio Lower Upper

45 100

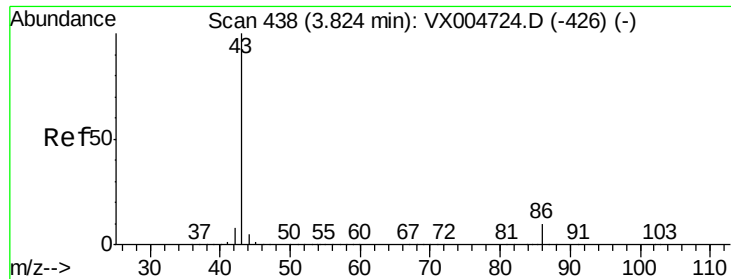
43 61.3 42.8 64.2

87 24.6 22.6 34.0

59 10.3 9.6 14.4







#23

Vinyl Acetate

Concen: 118.885 ug/l

RT: 3.82 min Scan# 437

Delta R.T. -0.01 min

Lab File: VX004815.D

Acq: 28 Sep 2018 12:33

Instrument :

MSVOA\_X

ClientSampleId :

VX0928MBS01

Tot Ion: 43 Resp: 883387

Ion Ratio Lower Upper

43 100

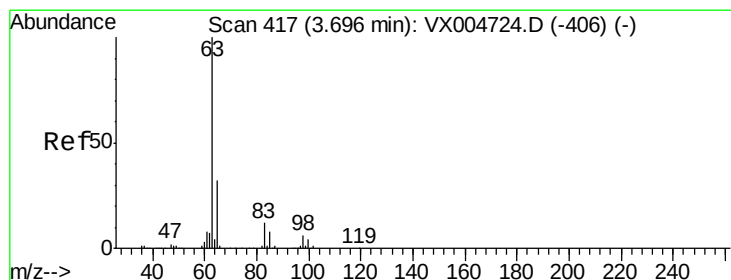
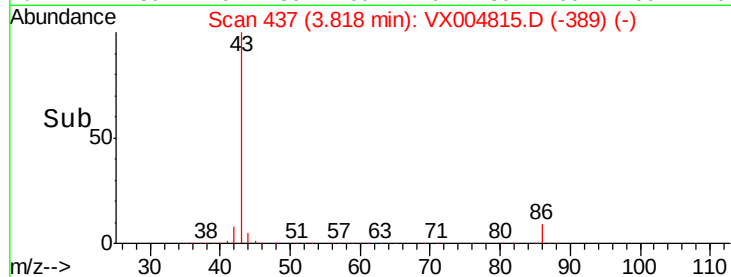
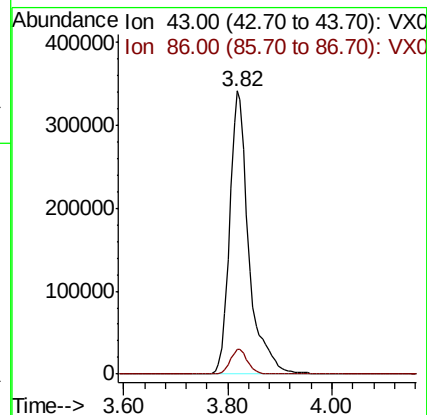
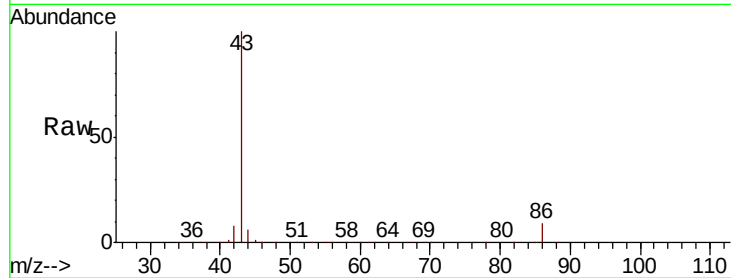
86 8.9 8.9 13.3

Manual Integrations

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10/1/2018 1:31:27 PM



#24

1,1-Dichloroethane

Concen: 20.864 ug/l

RT: 3.69 min Scan# 416

Delta R.T. -0.01 min

Lab File: VX004815.D

Acq: 28 Sep 2018 12:33

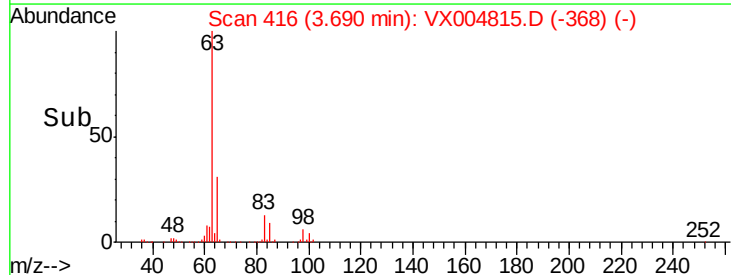
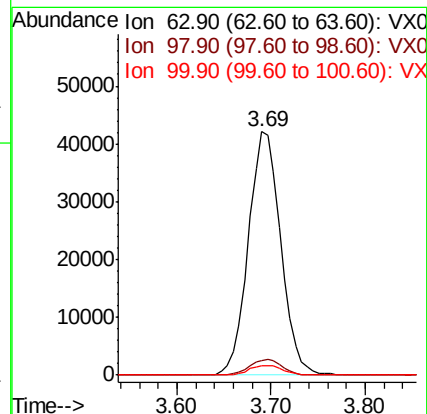
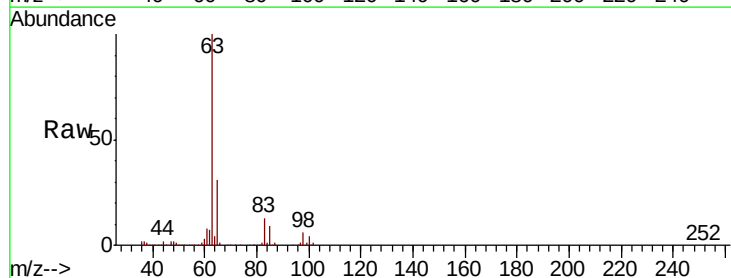
Tgt Ion: 63 Resp: 101029

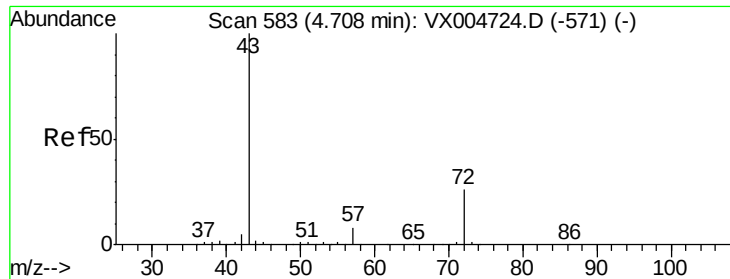
Ion Ratio Lower Upper

63 100

98 5.8 3.5 10.4

100 3.7 2.4 7.1





#25

2-Butanone

Concen: 106.980 ug/l

RT: 4.70 min Scan# 582

Delta R.T. -0.01 min

Lab File: VX004815.D

Acq: 28 Sep 2018 12:33

Instrument :

MSVOA\_X

ClientSampleId :

VX0928MBS01

Tot Ion: 43 Resp: 268164

Ion Ratio Lower Upper

43 100

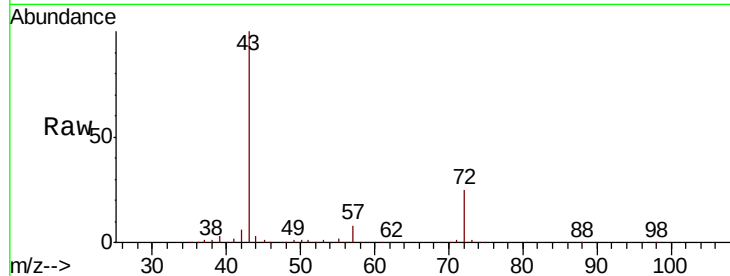
72 24.6 22.0 33.0

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

100000

80000

60000

40000

20000

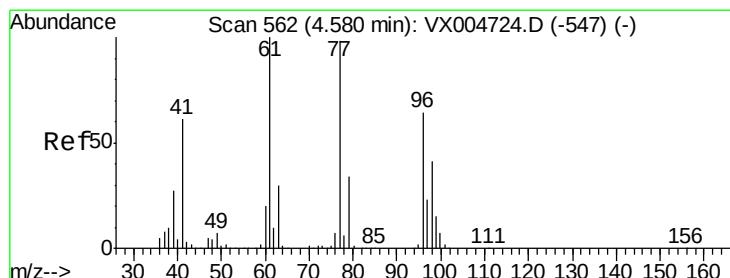
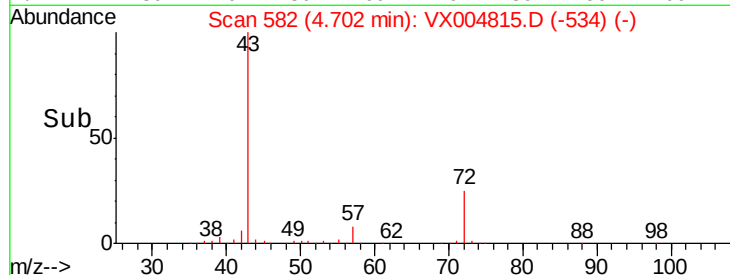
0

4.60

4.70

4.80

Time-->



#26

2,2-Dichloropropane

Concen: 19.688 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VX004815.D

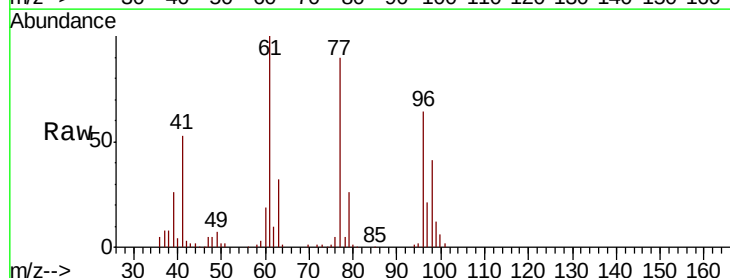
Acq: 28 Sep 2018 12:33

Tgt Ion: 77 Resp: 66387

Ion Ratio Lower Upper

77 100

97 23.8 11.7 35.0



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

25000

20000

15000

10000

5000

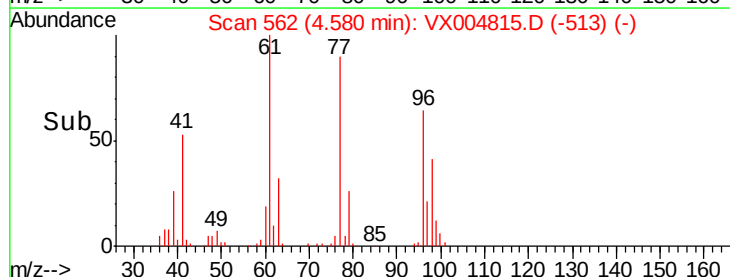
0

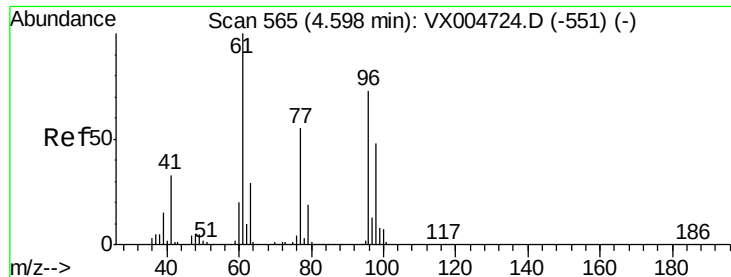
4.50

4.60

4.70

Time-->





#27

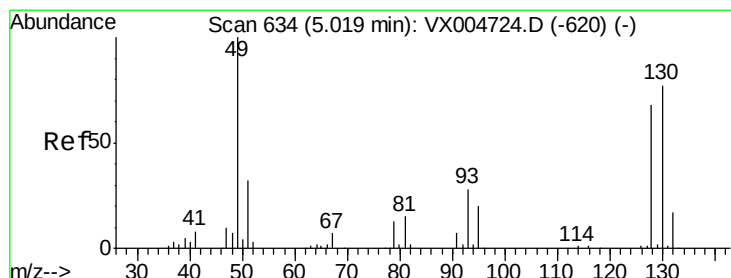
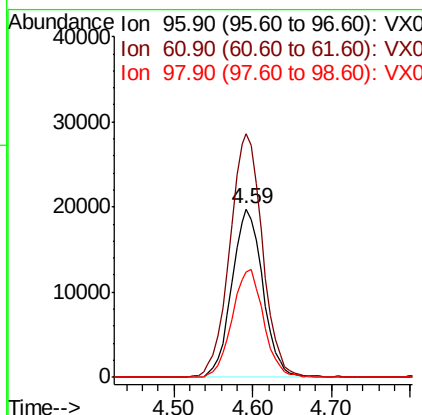
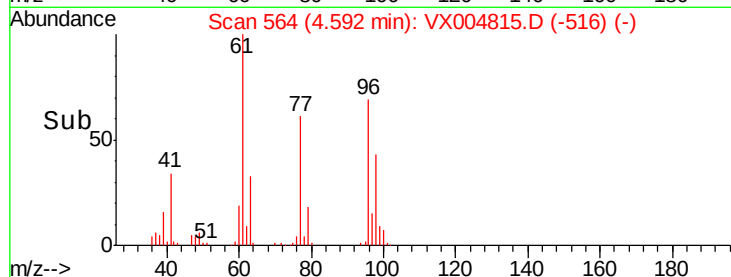
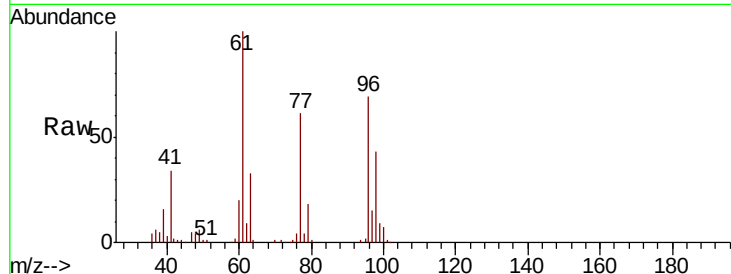
cis-1,2-Dichloroethene  
Concen: 19.964 ug/l  
RT: 4.59 min Scan# 564  
Delta R.T. -0.01 min  
Lab File: VX004815.D  
Acq: 28 Sep 2018 12:33

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0928MBS01

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 96      | 100   | 53941 |       |       |
| 61      | 153.0 |       | 0.0   | 282.6 |
| 98      | 65.3  |       | 0.0   | 130.2 |

Manual Integrations  
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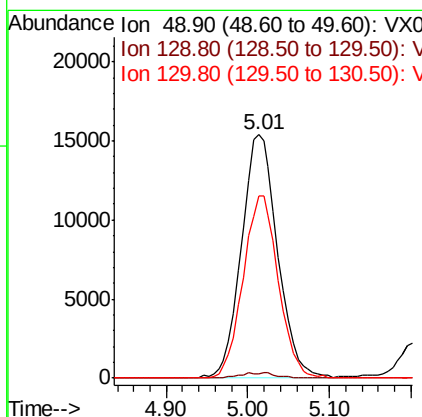
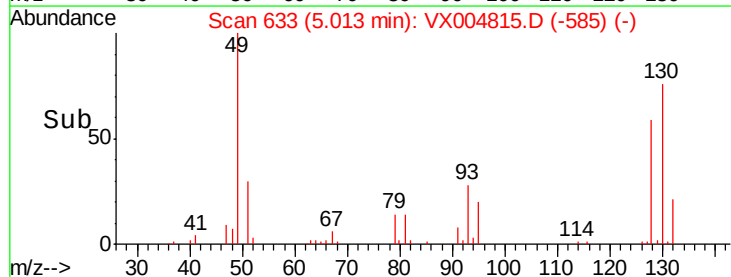
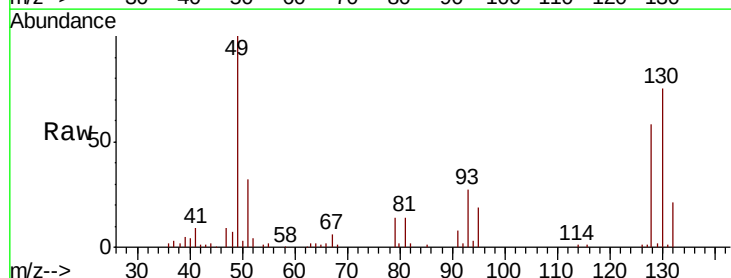
MMDadoda  
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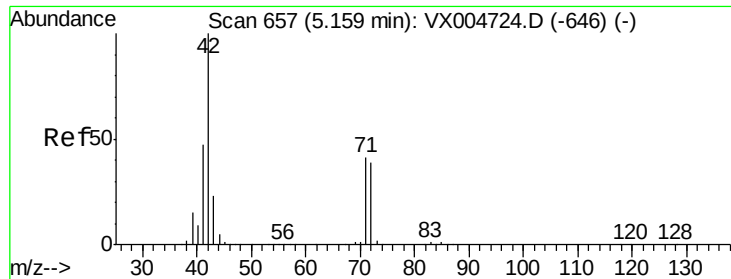


#28

Bromochloromethane  
Concen: 20.750 ug/l  
RT: 5.01 min Scan# 633  
Delta R.T. -0.01 min  
Lab File: VX004815.D  
Acq: 28 Sep 2018 12:33

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 49      | 100   | 47317 |       |       |
| 129     | 2.3   |       | 0.0   | 4.2   |
| 130     | 73.2  |       | 67.5  | 101.3 |





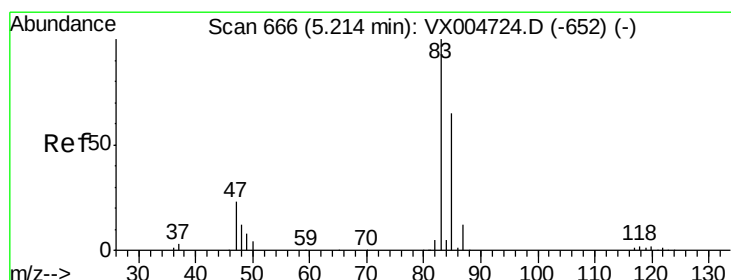
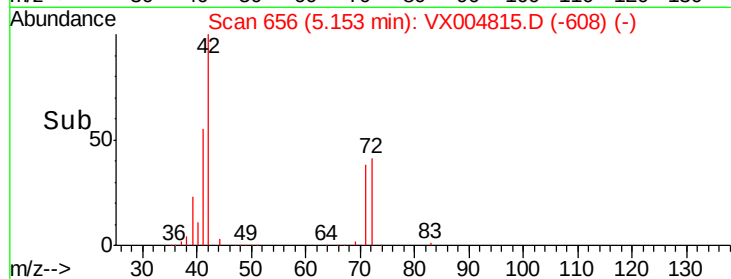
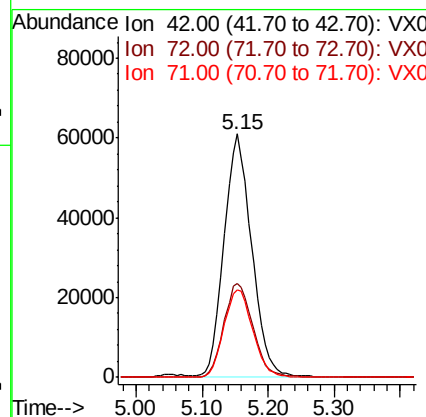
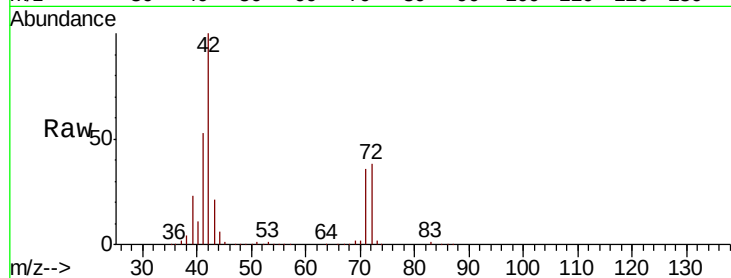
#29  
Tetrahydrofuran  
Concen: 112.600 ug/l  
RT: 5.15 min Scan# 656  
Delta R.T. -0.01 min  
Lab File: VX004815.D  
Acq: 28 Sep 2018 12:33

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0928MBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 40.7  | 37.4  | 56.0  |
| 71      | 37.8  | 34.5  | 51.7  |

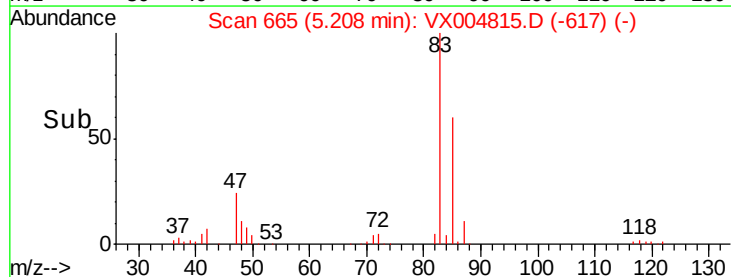
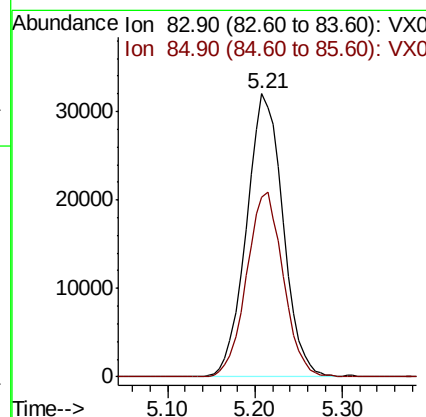
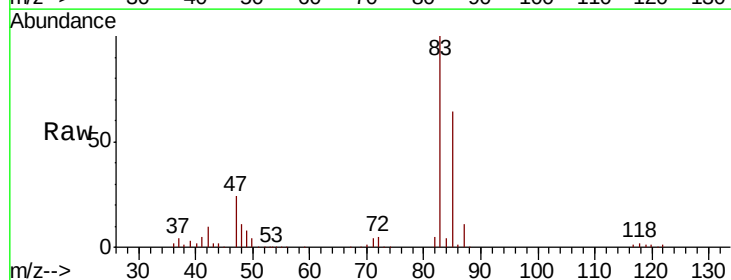
Manual Integrations  
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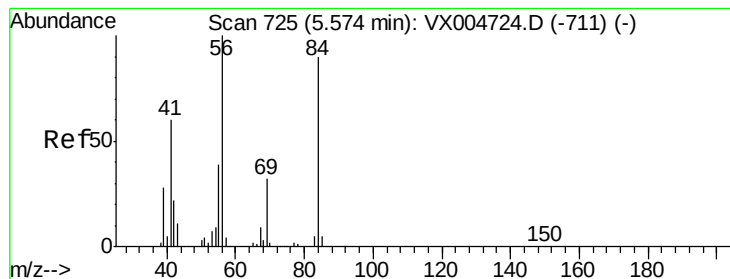
MMDadoda  
10/1/2018 1:31:27 PM



#30  
Chloroform  
Concen: 20.370 ug/l  
RT: 5.21 min Scan# 665  
Delta R.T. -0.01 min  
Lab File: VX004815.D  
Acq: 28 Sep 2018 12:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 63.6  | 52.6  | 79.0  |





#31

Cyclohexane

Concen: 19.296 ug/l

RT: 5.57 min Scan# 724

Delta R.T. -0.01 min

Lab File: VX004815.D

Acq: 28 Sep 2018 12:33

Instrument :

MSVOA\_X

ClientSampleId :

VX0928MBS01

Tot Ion: 56 Resp: 71515

Ion Ratio Lower Upper

56 100

69 29.5 25.4 38.2

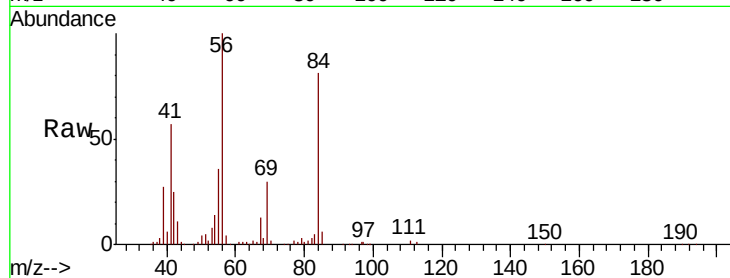
84 80.0 71.4 107.2

Manual Integrations

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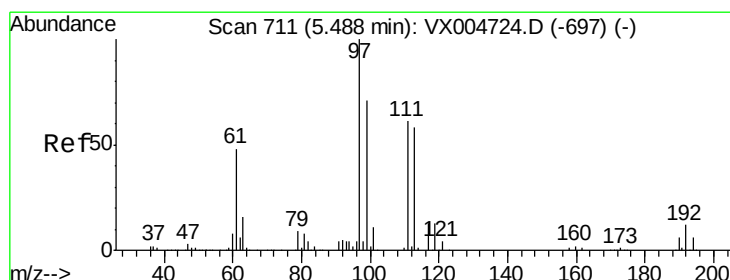
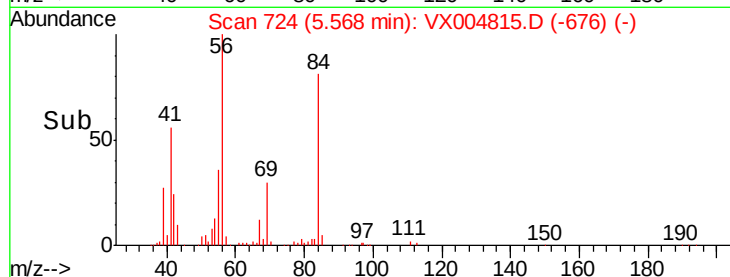
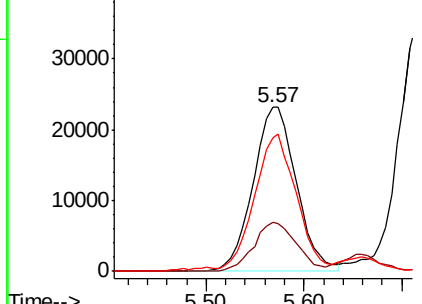
10/1/2018 1:31:27 PM



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#32

1,1,1-Trichloroethane

Concen: 19.538 ug/l

RT: 5.49 min Scan# 711

Delta R.T. -0.00 min

Lab File: VX004815.D

Acq: 28 Sep 2018 12:33

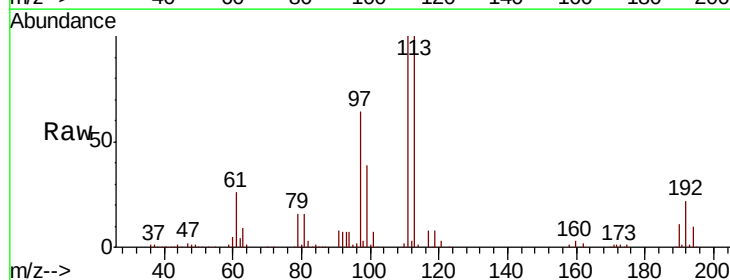
Tgt Ion: 97 Resp: 73022

Ion Ratio Lower Upper

97 100

99 65.1 52.0 78.0

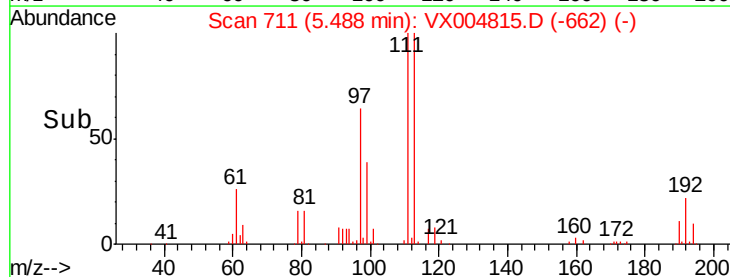
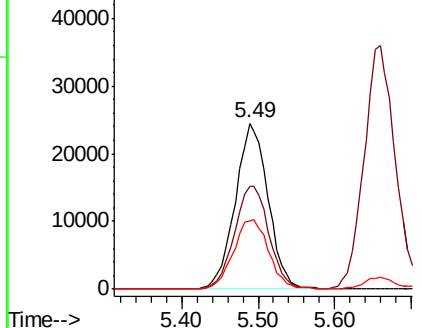
61 44.7 34.9 52.3

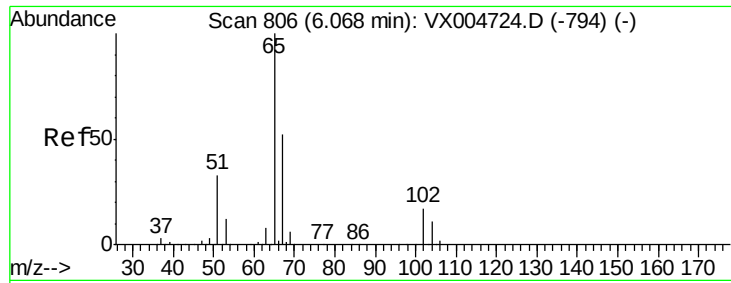


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

Ion 60.90 (60.60 to 61.60): VX0





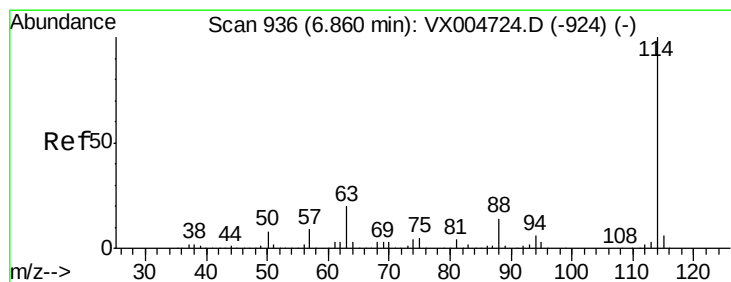
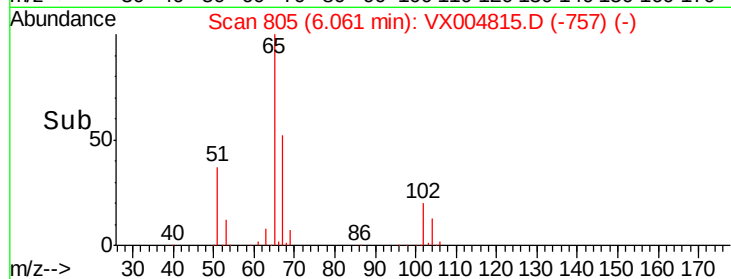
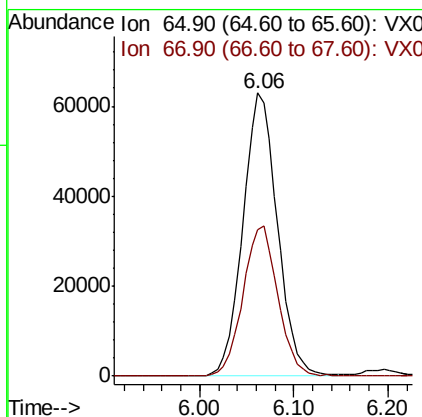
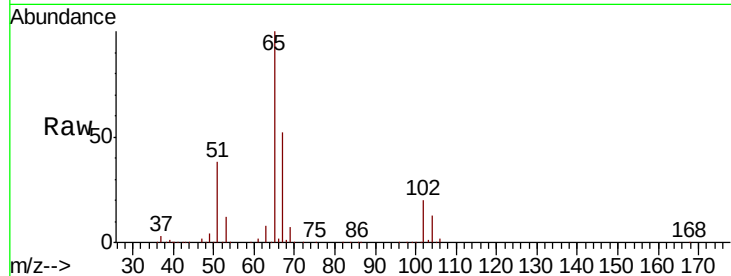
#33  
 1,2-Dichloroethane-d4  
 Concen: 55.443 ug/l  
 RT: 6.06 min Scan# 805  
 Delta R.T. -0.01 min  
 Lab File: VX004815.D  
 Acq: 28 Sep 2018 12:33

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0928MBS01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 65      | 100   | 161496 |       |       |
| 67      | 53.6  | 0.0    | 106.8 |       |

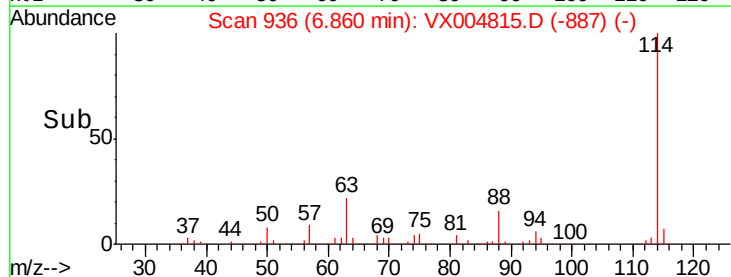
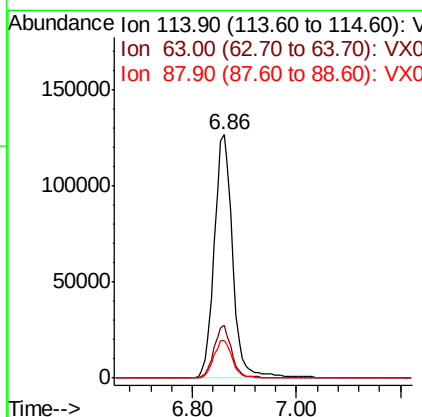
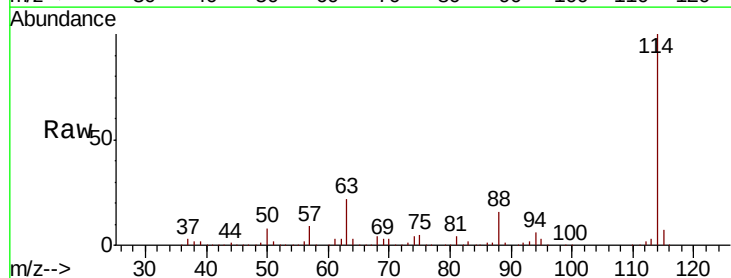
Manual Integrations  
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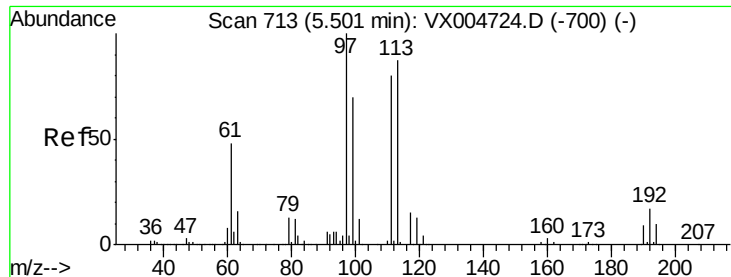
MMDadoda  
 10/1/2018 1:31:27 PM



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.86 min Scan# 936  
 Delta R.T. -0.00 min  
 Lab File: VX004815.D  
 Acq: 28 Sep 2018 12:33

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 114     | 100   | 312615 |       |       |
| 63      | 21.5  | 0.0    | 39.0  |       |
| 88      | 15.5  | 0.0    | 30.4  |       |





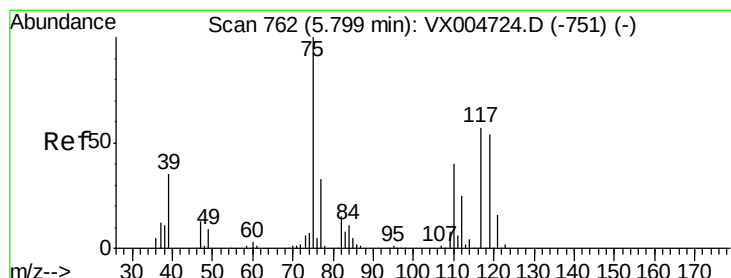
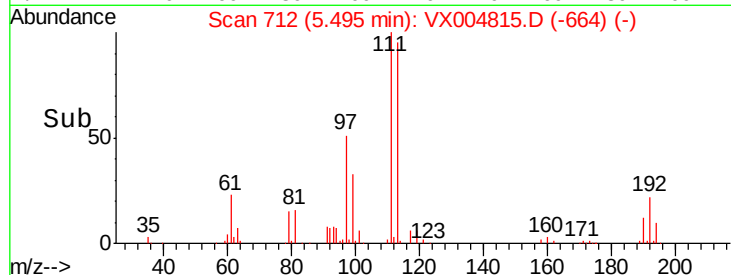
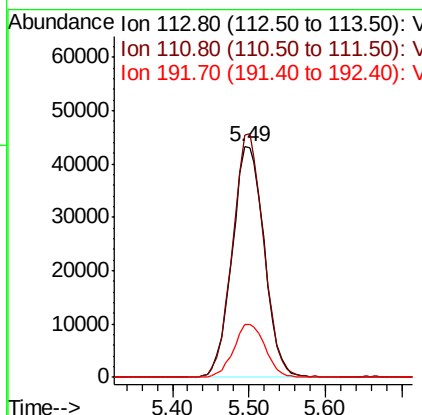
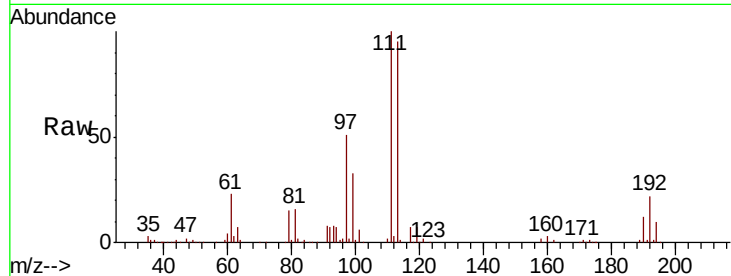
#35  
 Dibromofluoromethane  
 Concen: 47.414 ug/l  
 RT: 5.49 min Scan# 712  
 Delta R.T. -0.01 min  
 Lab File: VX004815.D  
 Acq: 28 Sep 2018 12:33

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0928MBS01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 113     | 100   | 125622 |       |       |
| 111     | 102.4 | 82.4   | 123.6 |       |
| 192     | 22.7  | 19.4   | 29.2  |       |

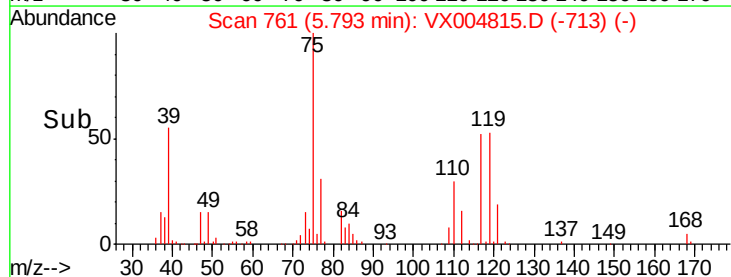
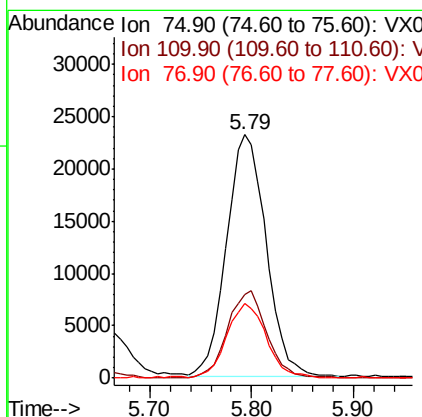
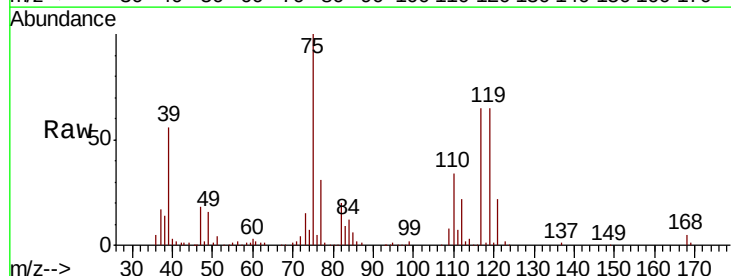
Manual Integrations  
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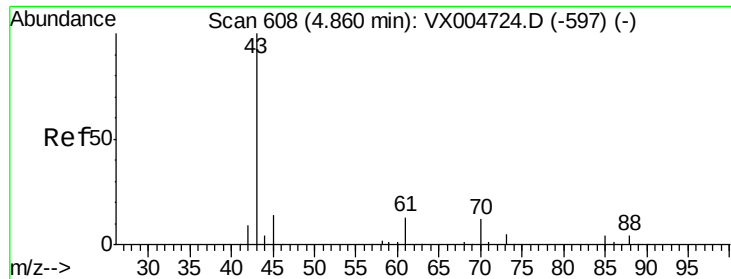
MMDadoda  
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#36  
 1,1-Dichloropropene  
 Concen: 17.257 ug/l  
 RT: 5.79 min Scan# 761  
 Delta R.T. -0.01 min  
 Lab File: VX004815.D  
 Acq: 28 Sep 2018 12:33

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 75      | 100   | 62382 |       |       |
| 110     | 35.8  | 18.0  | 54.0  |       |
| 77      | 31.1  | 24.6  | 36.8  |       |





#37

Ethyl Acetate

Concen: 19.880 ug/l

RT: 4.85 min Scan# 607

Delta R.T. -0.01 min

Lab File: VX004815.D

Acq: 28 Sep 2018 12:33

Instrument :

MSVOA\_X

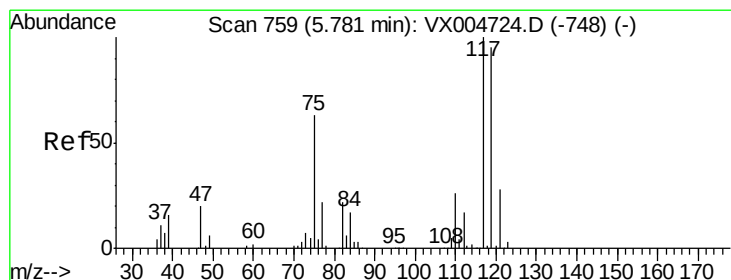
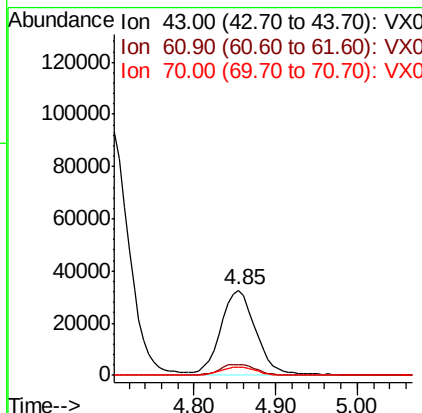
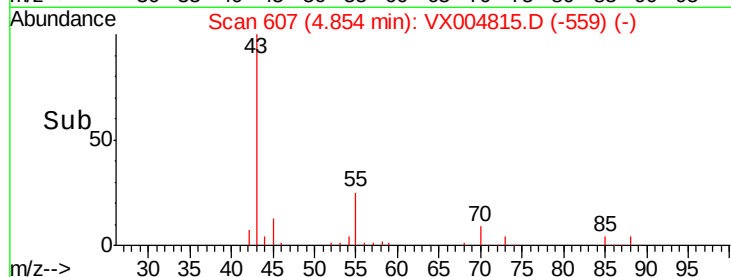
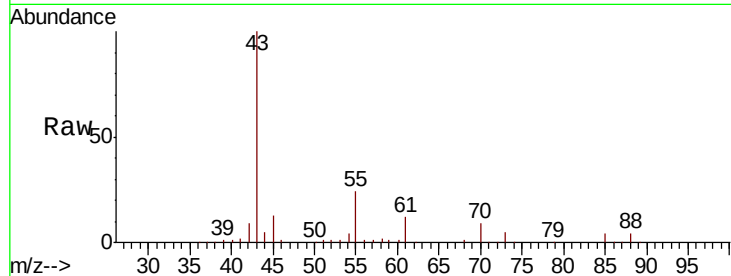
ClientSampleId :

VX0928MBS01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 43    | Resp: | 95392 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 61       | 13.7  | 11.5  | 17.3  |
| 70       | 10.2  | 9.0   | 13.6  |

Manual Integrations  
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MMDadoda  
10/1/2018 1:31:27 PM



#38

Carbon Tetrachloride

Concen: 16.360 ug/l

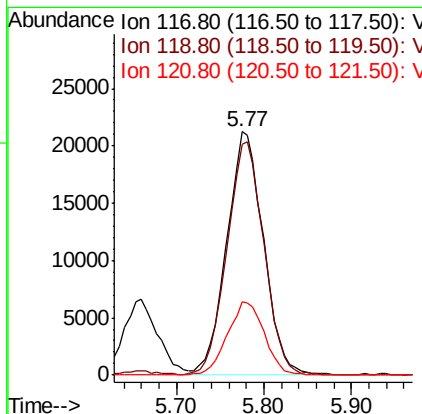
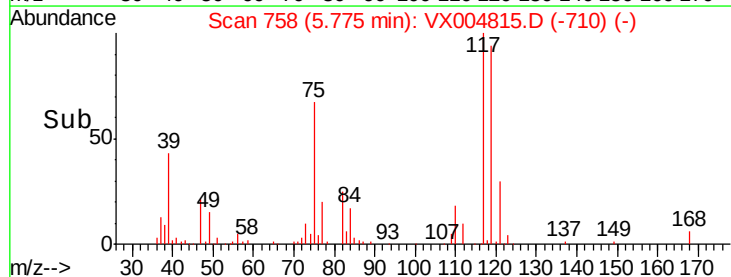
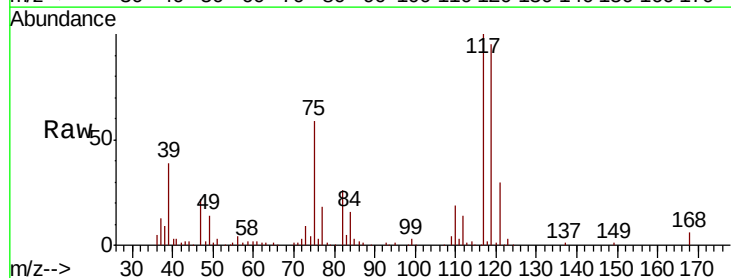
RT: 5.77 min Scan# 758

Delta R.T. -0.01 min

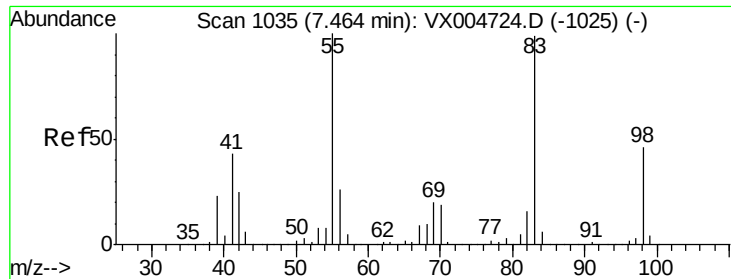
Lab File: VX004815.D

Acq: 28 Sep 2018 12:33

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 62166 |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 119      | 94.8  | 78.8  | 118.2 |
| 121      | 30.1  | 24.9  | 37.3  |







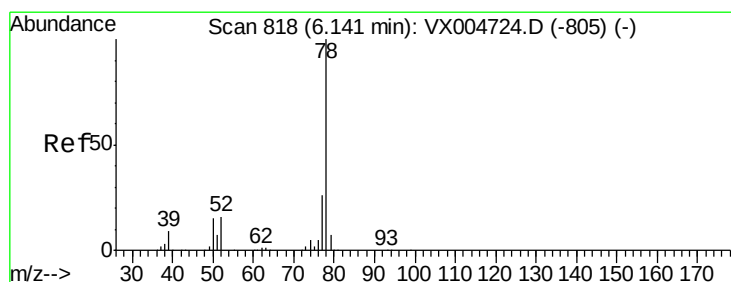
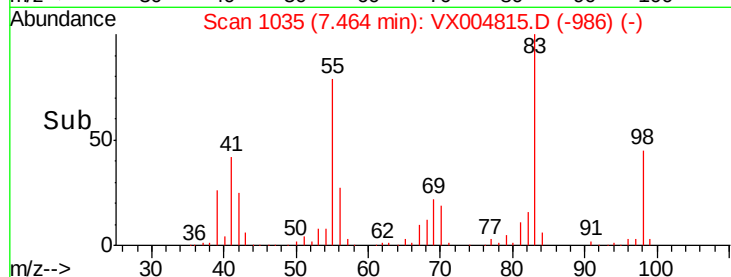
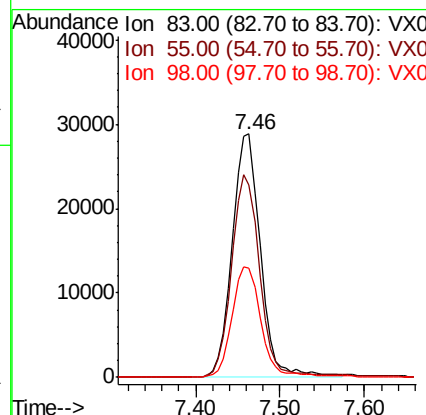
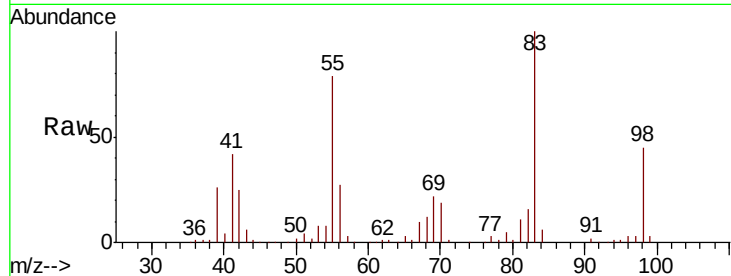
#39  
Methylvlcyclohexane  
Concen: 17.722 ug/l  
RT: 7.46 min Scan# 1035  
Delta R.T. -0.00 min  
Lab File: VX004815.D  
Acq: 28 Sep 2018 12:33

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0928MBS01

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 83      | 100   |      |       |       |
| 55      | 78.8  | 61.0 | 91.4  |       |
| 98      | 44.8  | 39.6 | 59.4  |       |

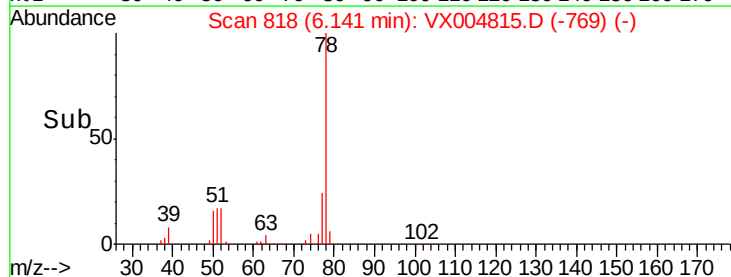
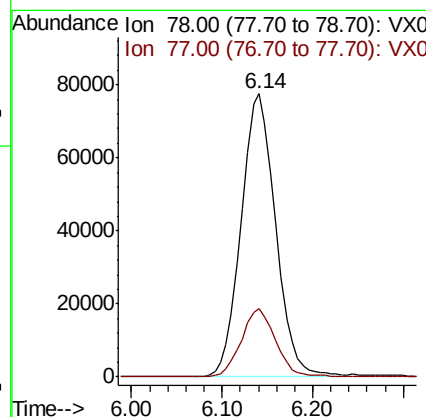
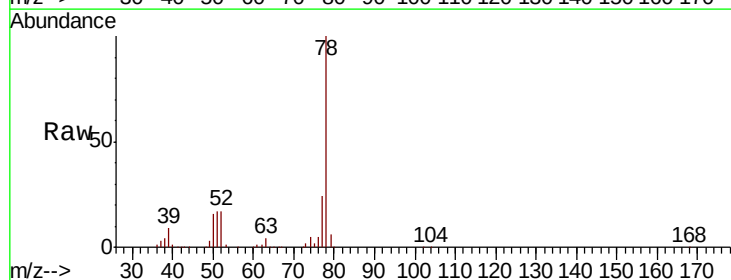
Manual Integrations  
APPROVED

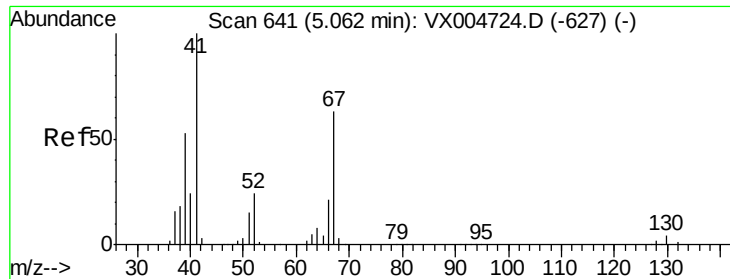
MMDadoda  
10/1/2018 1:31:27 PM



#40  
Benzene  
Concen: 18.122 ug/l  
RT: 6.14 min Scan# 818  
Delta R.T. -0.00 min  
Lab File: VX004815.D  
Acq: 28 Sep 2018 12:33

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 78      | 100   |      |       |       |
| 77      | 24.1  | 19.0 | 28.4  |       |





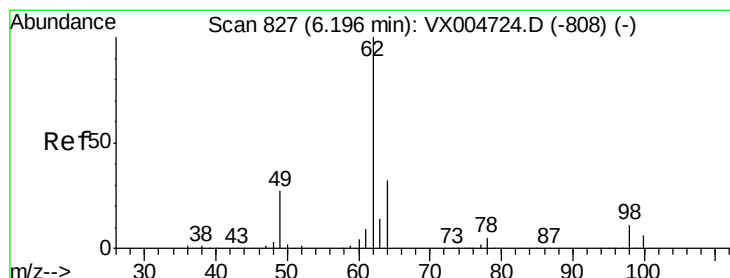
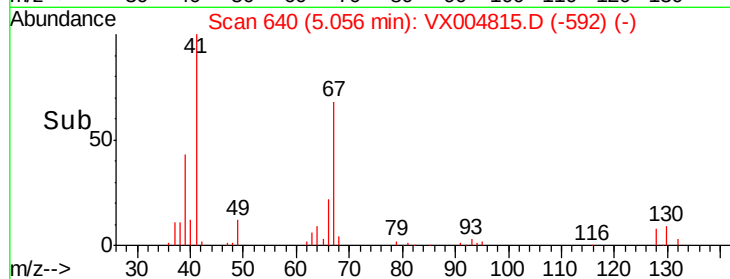
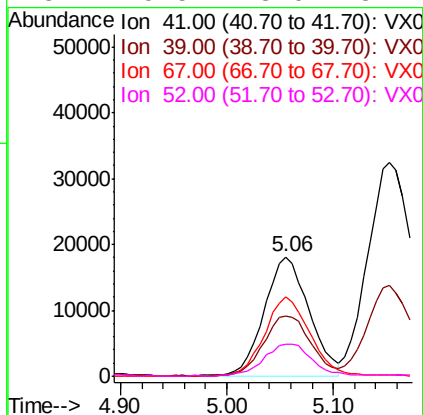
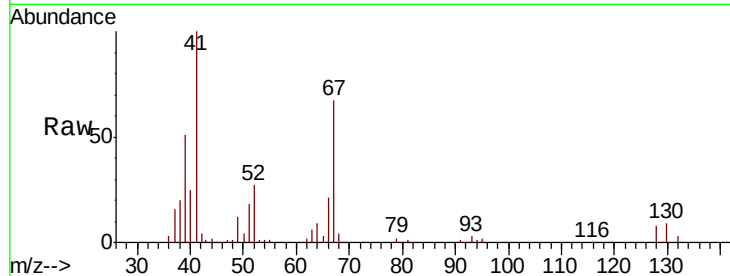
#41  
Methacrylonitrile  
Concen: 19.803 ug/l  
RT: 5.06 min Scan# 640  
Delta R.T. -0.01 min  
Lab File: VX004815.D  
Acq: 28 Sep 2018 12:33

Instrument :  
MSVOA\_X  
ClientSampled :  
VX0928MBS01

| Tot Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 41      | 100  |       |       |       |
| 39      | 53.2 | 42.4  | 63.6  |       |
| 67      | 68.0 | 59.2  | 88.8  |       |
| 52      | 29.5 | 23.0  | 34.4  |       |

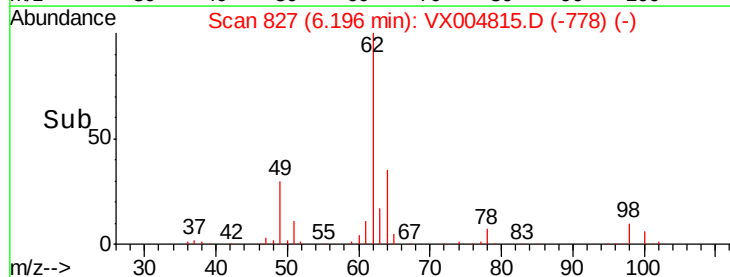
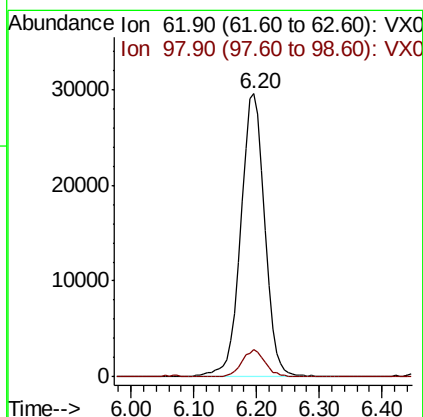
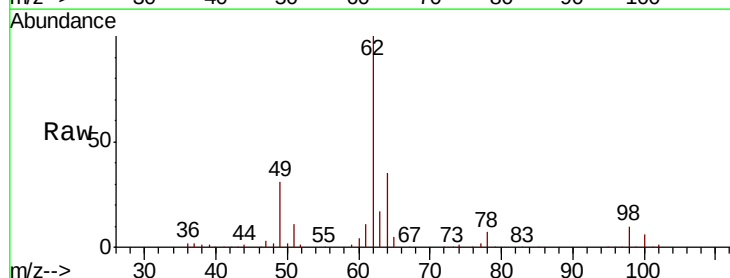
Manual Integrations  
APPROVED

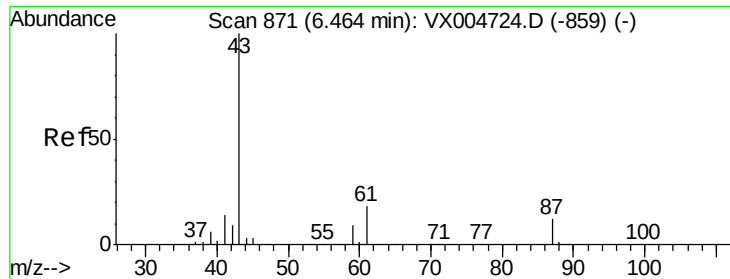
MMDadoda  
10/1/2018 1:31:27 PM



#42  
1,2-Dichloroethane  
Concen: 19.626 ug/l  
RT: 6.20 min Scan# 827  
Delta R.T. -0.00 min  
Lab File: VX004815.D  
Acq: 28 Sep 2018 12:33

| Tgt Ion | Ion | Ratio | Lower | Upper |
|---------|-----|-------|-------|-------|
| 62      | 100 |       |       |       |
| 98      | 9.1 | 0.0   | 20.6  |       |





#43

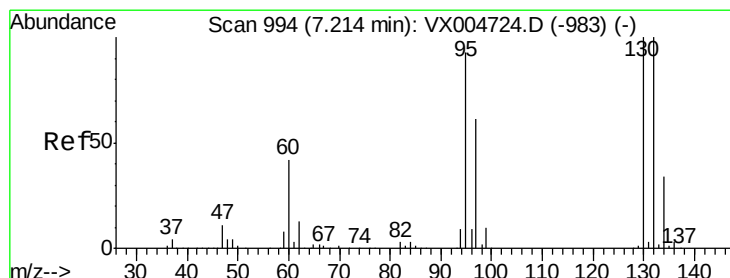
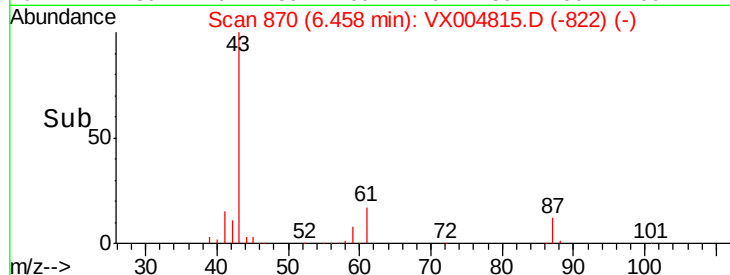
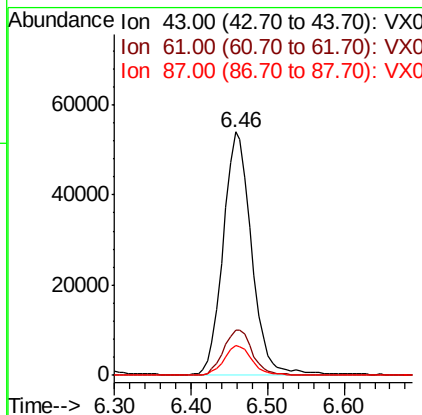
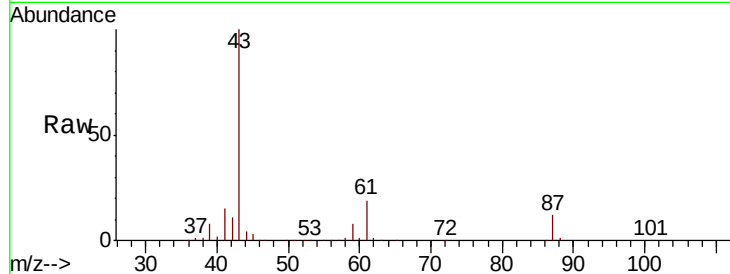
Isopropyl Acetate  
 Concen: 19.922 ug/l  
 RT: 6.46 min Scan# 870  
 Delta R.T. -0.01 min  
 Lab File: VX004815.D  
 Acq: 28 Sep 2018 12:33

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0928MBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 19.3  | 17.0  | 25.4  |
| 87      | 12.3  | 11.4  | 17.2  |

Manual Integrations  
 APPROVED

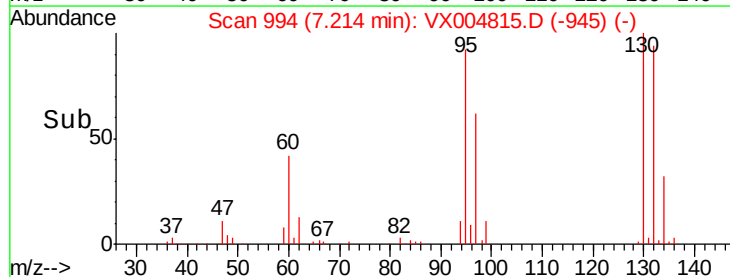
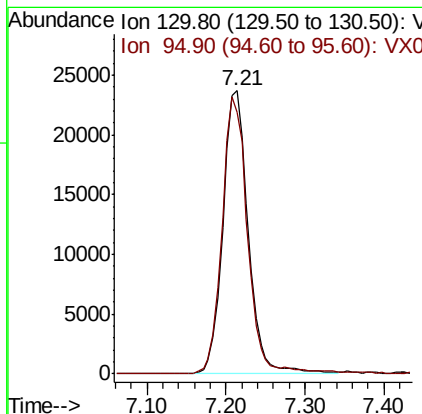
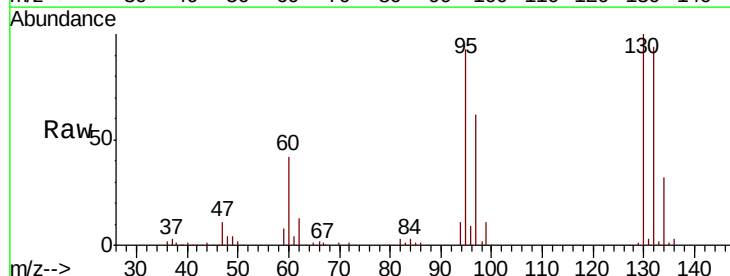
MMDadoda  
 10/1/2018 1:31:27 PM

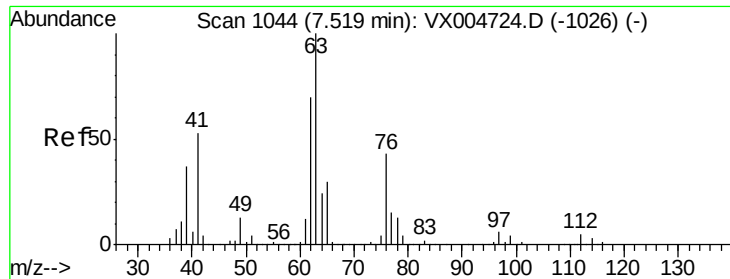


#44

Trichloroethene  
 Concen: 19.128 ug/l  
 RT: 7.21 min Scan# 994  
 Delta R.T. -0.00 min  
 Lab File: VX004815.D  
 Acq: 28 Sep 2018 12:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 130     | 100   |       |       |
| 95      | 92.5  | 0.0   | 181.6 |





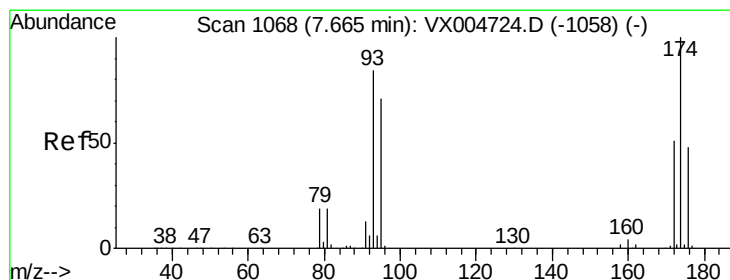
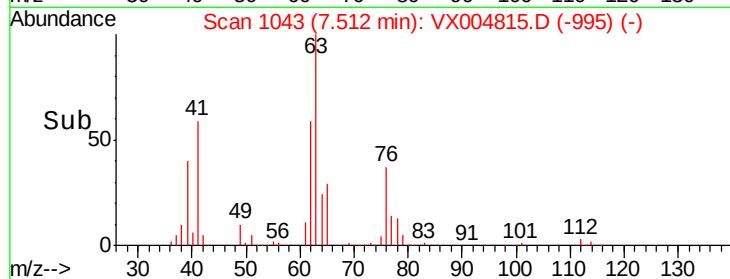
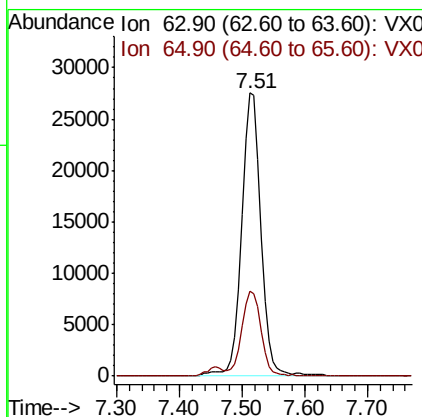
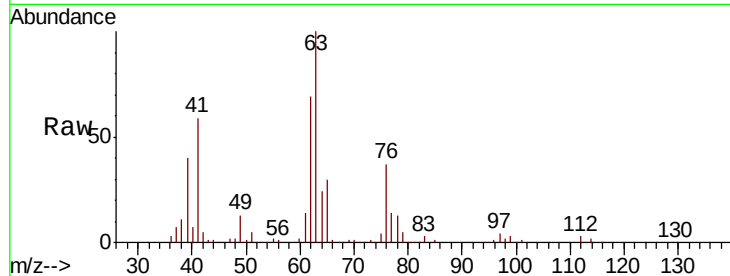
#45  
 1,2-Dichloropropane  
 Concen: 21.156 ug/l  
 RT: 7.51 min Scan# 1043  
 Delta R.T. -0.01 min  
 Lab File: VX004815.D  
 Acq: 28 Sep 2018 12:33

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0928MBS01

Tot Ion: 63 Resp: 58714  
 Ion Ratio Lower Upper  
 63 100  
 65 30.0 24.3 36.5

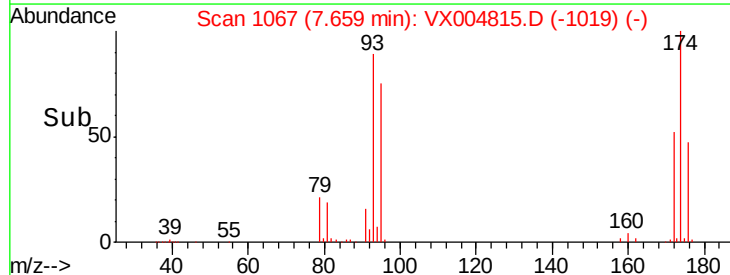
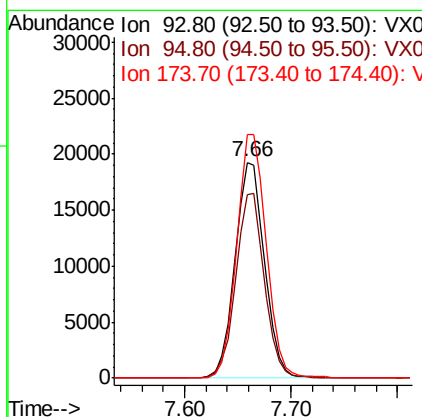
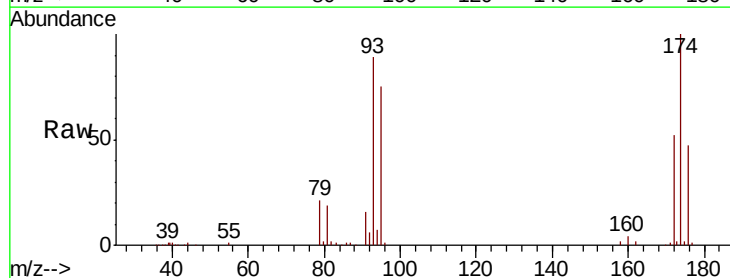
Manual Integrations  
 APPROVED

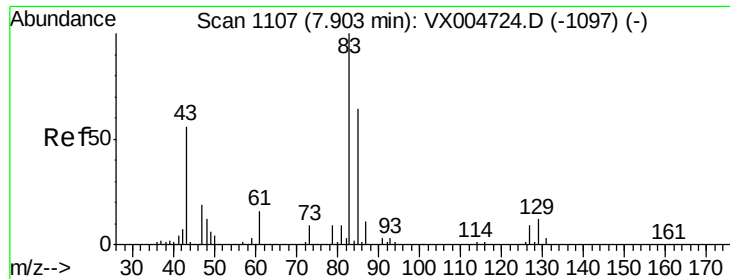
MMDadoda  
 10/1/2018 1:31:27 PM



#46  
 Dibromomethane  
 Concen: 21.422 ug/l  
 RT: 7.66 min Scan# 1067  
 Delta R.T. -0.01 min  
 Lab File: VX004815.D  
 Acq: 28 Sep 2018 12:33

Tgt Ion: 93 Resp: 37364  
 Ion Ratio Lower Upper  
 93 100  
 95 83.9 65.5 98.3  
 174 113.6 94.2 141.4





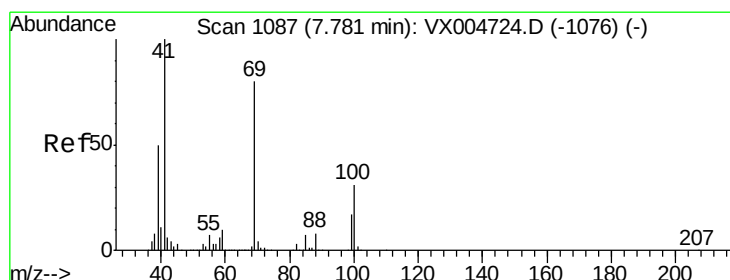
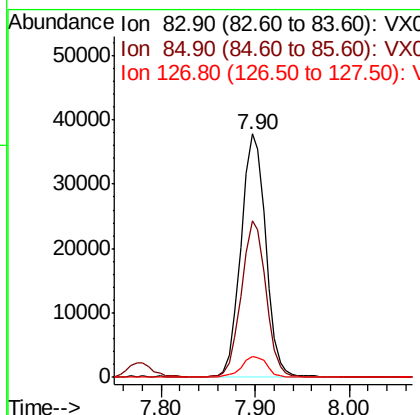
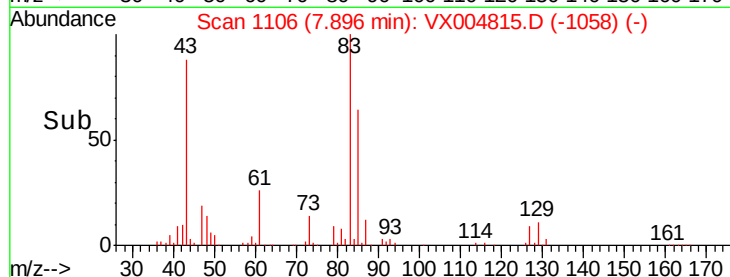
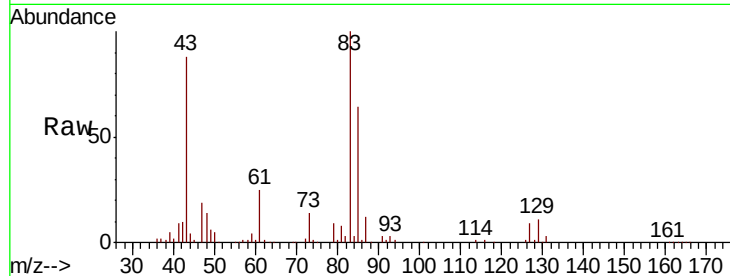
#47  
Bromodichloromethane  
Concen: 21.310 ug/l  
RT: 7.90 min Scan# 1106  
Delta R.T. -0.01 min  
Lab File: VX004815.D  
Acq: 28 Sep 2018 12:33

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0928MBS01

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 83      | 100   | 69589 |       |       |
| 85      | 64.1  | 50.9  | 76.3  |       |
| 127     | 8.8   | 7.3   | 10.9  |       |

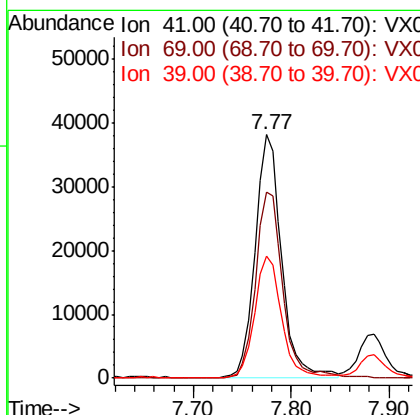
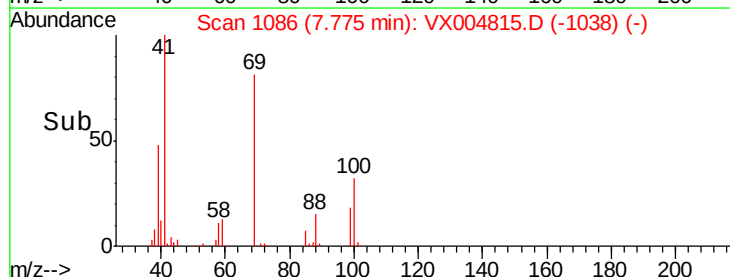
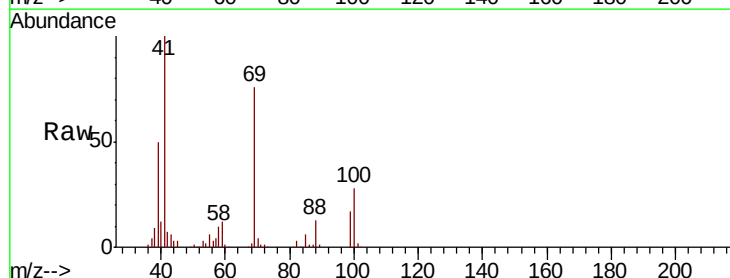
Manual Integrations  
APPROVED

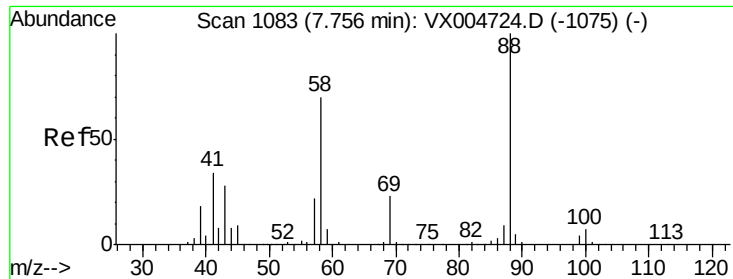
MMDadoda  
10/1/2018 1:31:27 PM



#48  
Methyl methacrylate  
Concen: 22.768 ug/l  
RT: 7.77 min Scan# 1086  
Delta R.T. -0.01 min  
Lab File: VX004815.D  
Acq: 28 Sep 2018 12:33

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 41      | 100   | 71572 |       |       |
| 69      | 79.7  | 70.2  | 105.4 |       |
| 39      | 51.2  | 42.7  | 64.1  |       |





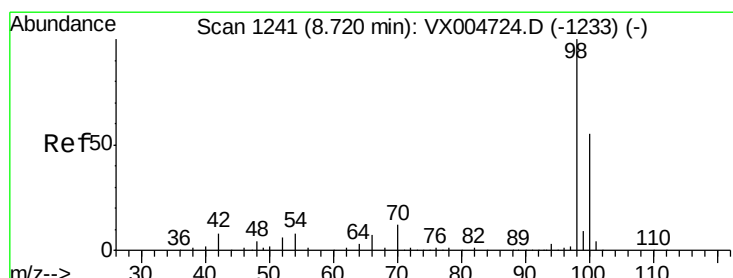
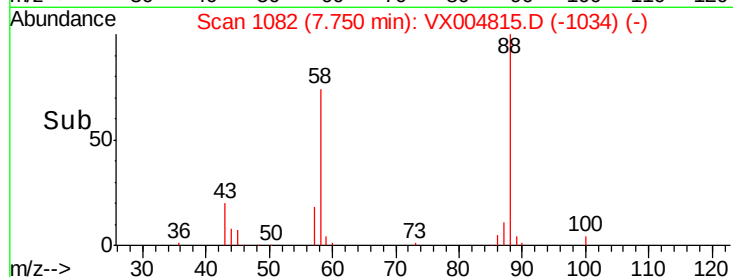
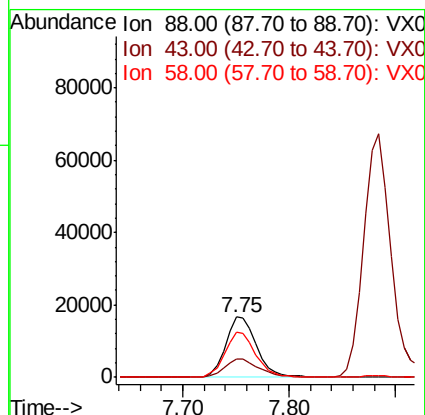
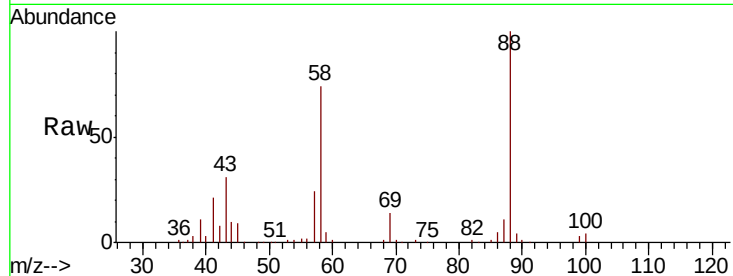
#49  
1,4-Dioxane  
Concen: 434.299 ug/l  
RT: 7.75 min Scan# 1082  
Delta R.T. -0.01 min  
Lab File: VX004815.D  
Acq: 28 Sep 2018 12:33

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0928MBS01

| Tot Ion   | 88    | Resp  | 33917 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 88        | 100   |       |       |
| 43        | 33.0  | 24.7  | 37.1  |
| 58        | 74.8  | 55.3  | 82.9  |

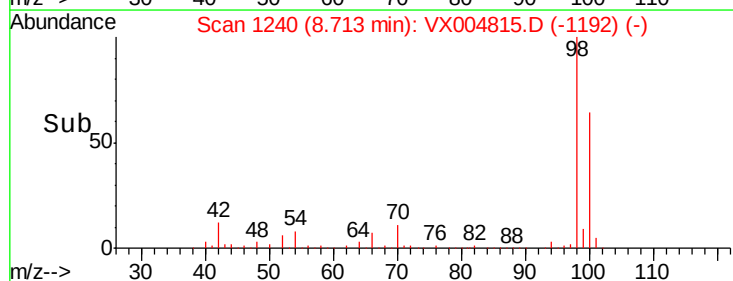
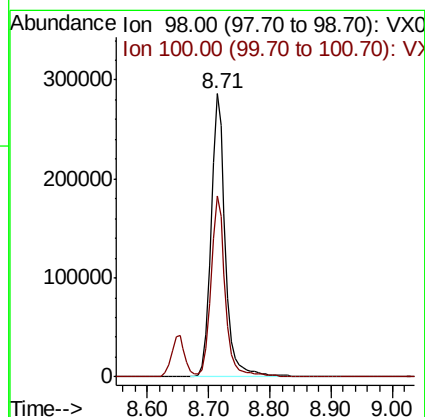
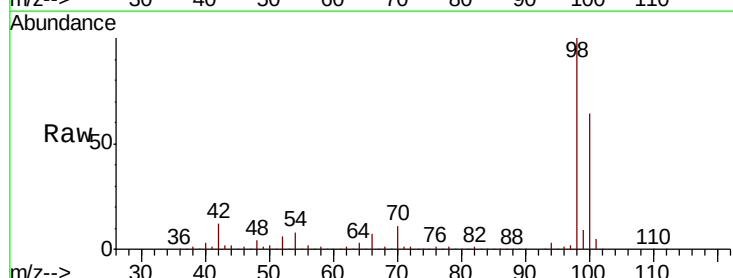
Manual Integrations  
APPROVED

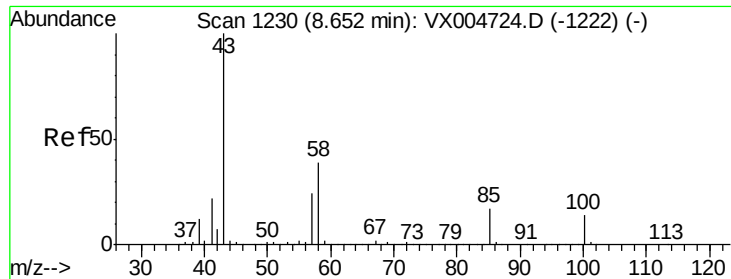
MMDadoda  
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#50  
Toluene-d8  
Concen: 53.436 ug/l  
RT: 8.71 min Scan# 1240  
Delta R.T. -0.01 min  
Lab File: VX004815.D  
Acq: 28 Sep 2018 12:33

| Tgt Ion   | 98    | Resp  | 470673 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 98        | 100   |       |        |
| 100       | 64.1  | 52.9  | 79.3   |





#51

4-Methyl-2-Pentanone

Concen: 116.330 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. -0.01 min

Lab File: VX004815.D

Acq: 28 Sep 2018 12:33

Instrument :

MSVOA\_X

ClientSampleId :

VX0928MBS01

Tot Ion: 43 Resp: 507285

Ion Ratio Lower Upper

43 100

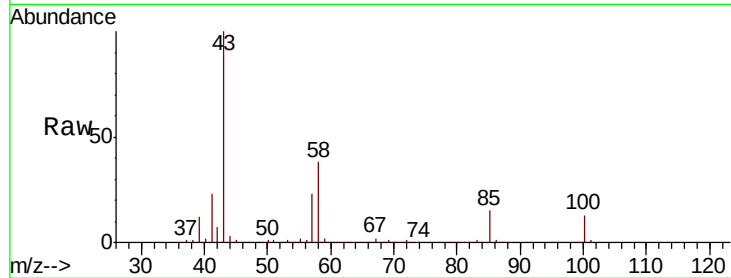
58 36.8 33.1 49.7

Manual Integrations

APPROVED

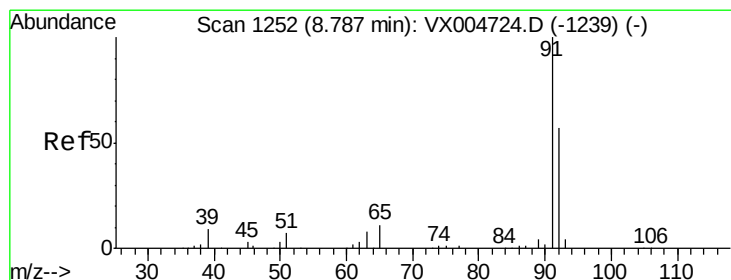
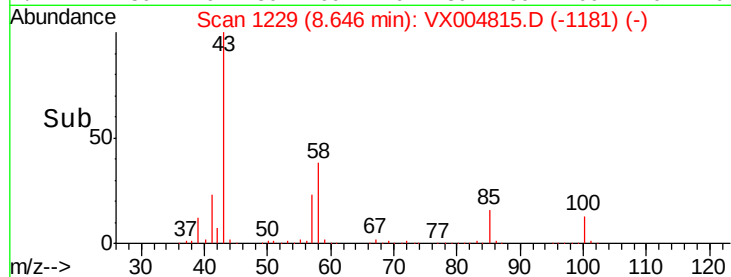
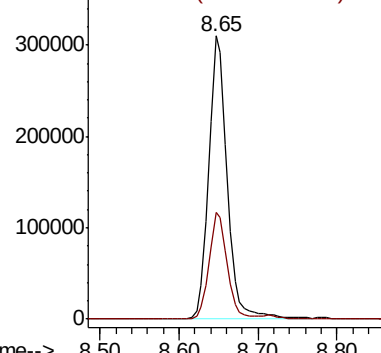
MMDadoda

10/1/2018 1:31:27 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 20.514 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX004815.D

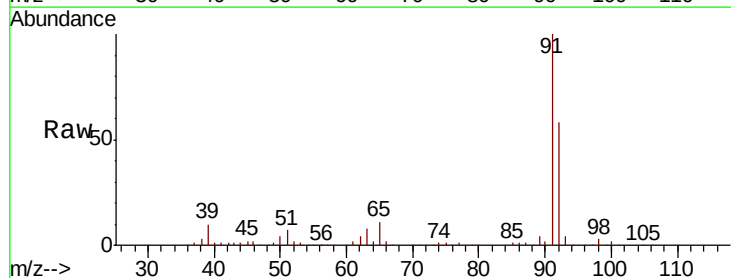
Acq: 28 Sep 2018 12:33

Tgt Ion: 92 Resp: 127565

Ion Ratio Lower Upper

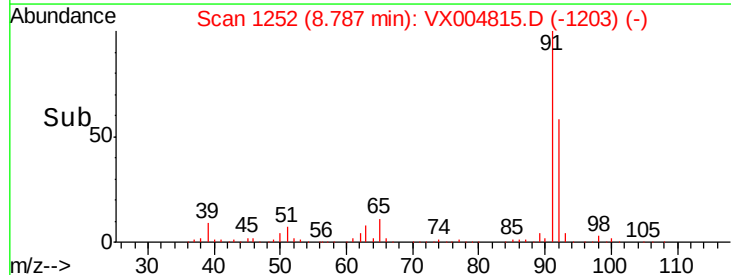
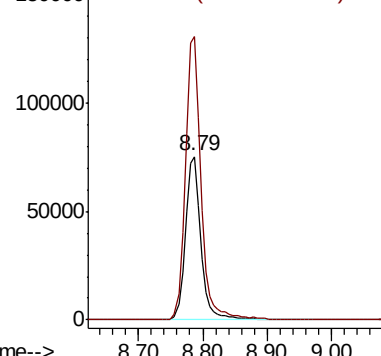
92 100

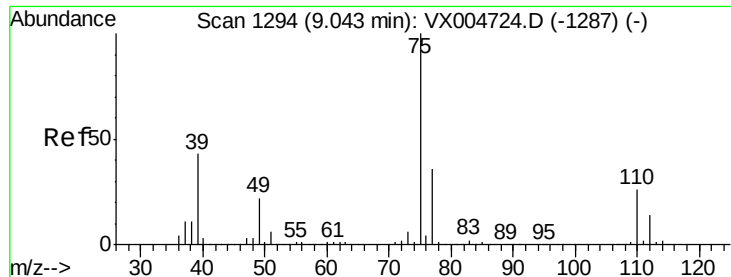
91 175.5 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





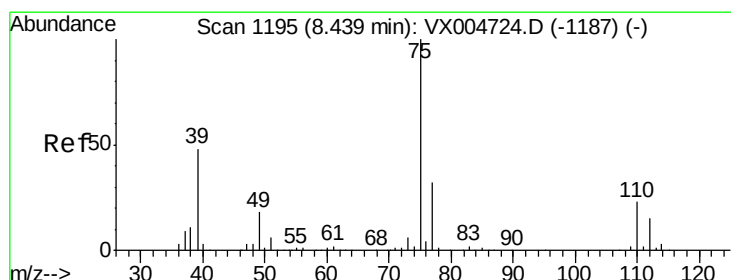
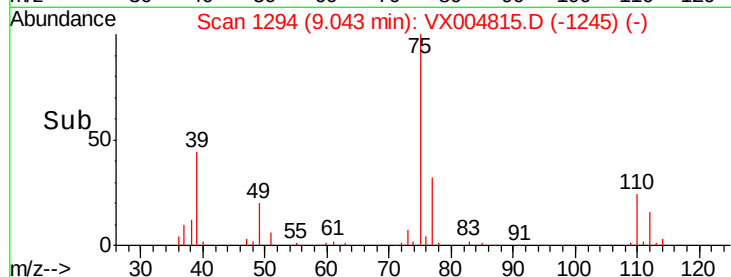
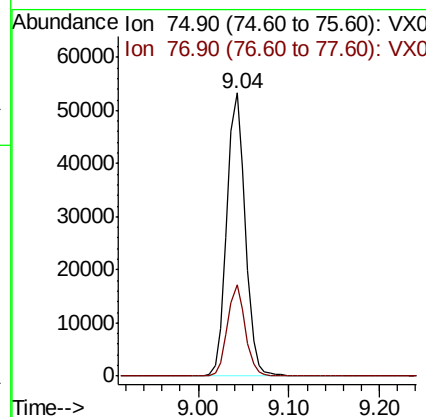
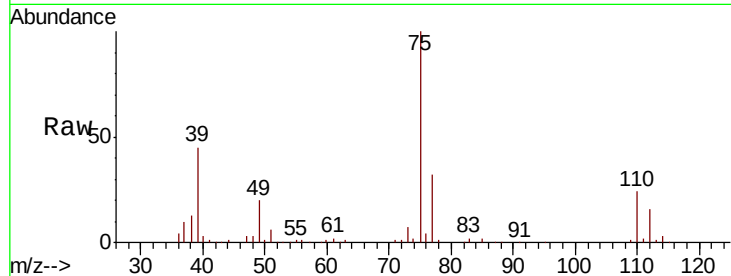
#53  
t-1,3-Dichloropropene  
Concen: 20.583 ug/l  
RT: 9.04 min Scan# 1294  
Delta R.T. -0.00 min  
Lab File: VX004815.D  
Acq: 28 Sep 2018 12:33

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0928MBS01

Tot Ion: 75 Resp: 75954  
Ion Ratio Lower Upper  
75 100  
77 32.2 24.6 37.0

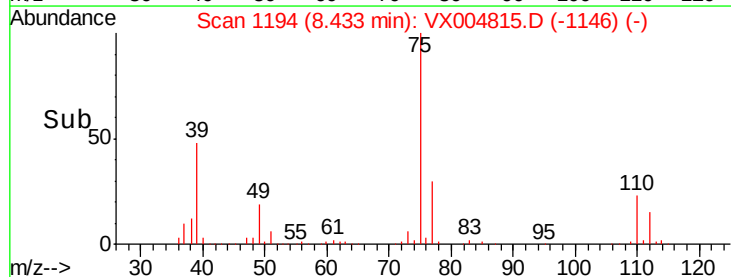
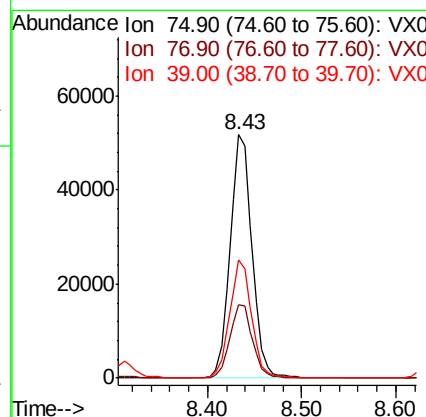
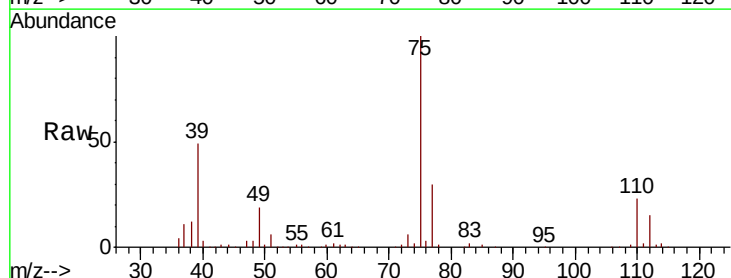
Manual Integrations  
APPROVED

MMDadoda  
10/1/2018 1:31:27 PM

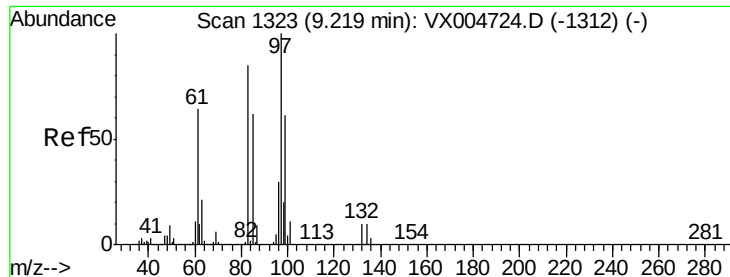


#54  
cis-1,3-Dichloropropene  
Concen: 21.534 ug/l  
RT: 8.43 min Scan# 1194  
Delta R.T. -0.01 min  
Lab File: VX004815.D  
Acq: 28 Sep 2018 12:33

Tgt Ion: 75 Resp: 83233  
Ion Ratio Lower Upper  
75 100  
77 30.4 26.2 39.2  
39 48.3 36.4 54.6







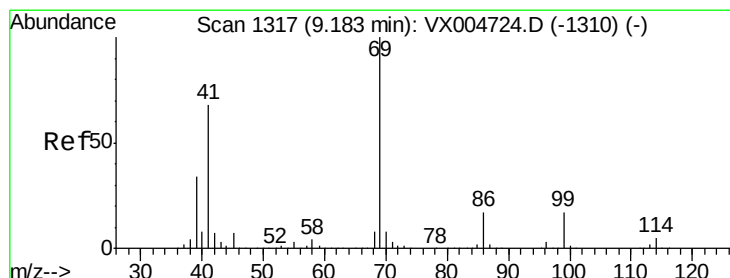
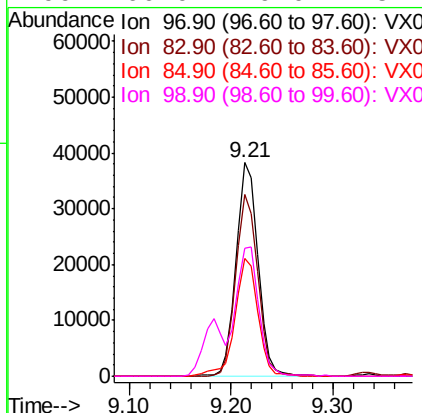
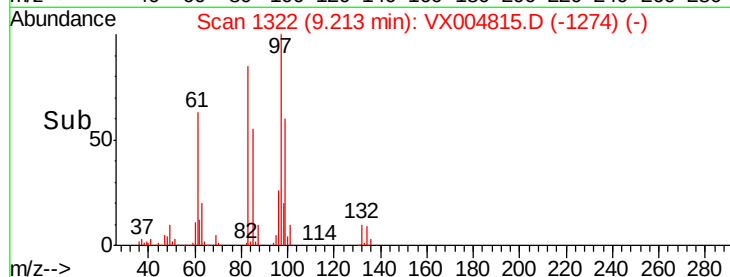
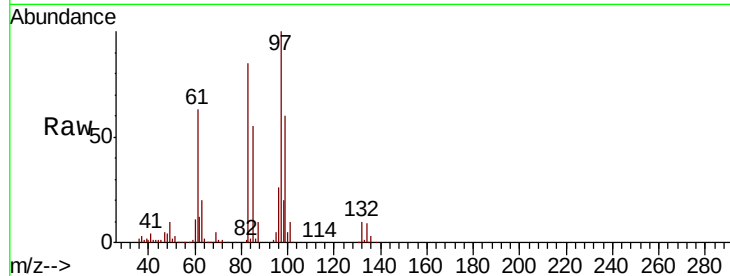
#55  
 1,1,2-Trichloroethane  
 Concen: 20.824 ug/l  
 RT: 9.21 min Scan# 1322  
 Delta R.T. -0.01 min  
 Lab File: VX004815.D  
 Acq: 28 Sep 2018 12:33

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0928MBS01

| Tot Ion | Ion  | Ratio | Resp  | Lower | Upper |
|---------|------|-------|-------|-------|-------|
| 97      | 100  |       | 56722 |       |       |
| 83      | 85.1 | 66.4  | 99.6  |       |       |
| 85      | 55.1 | 43.3  | 64.9  |       |       |
| 99      | 60.0 | 49.0  | 73.4  |       |       |

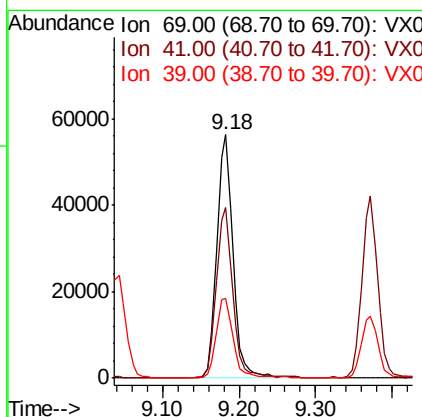
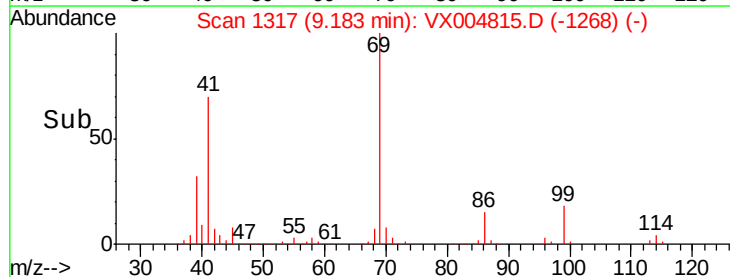
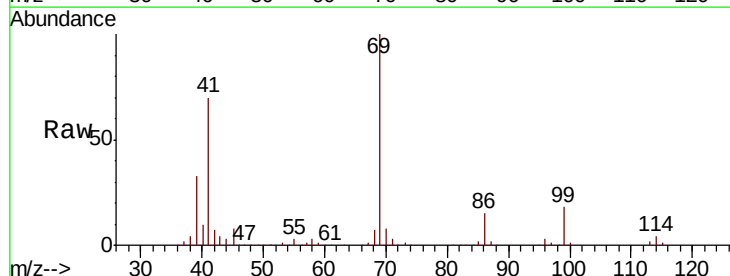
Manual Integrations  
 APPROVED

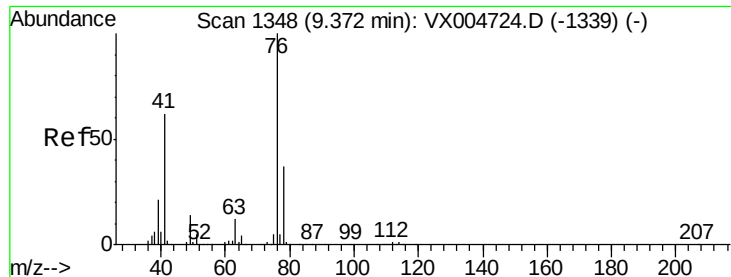
MMDadoda  
 10/1/2018 1:31:27 PM



#56  
 Ethyl methacrylate  
 Concen: 20.598 ug/l  
 RT: 9.18 min Scan# 1317  
 Delta R.T. 0.00 min  
 Lab File: VX004815.D  
 Acq: 28 Sep 2018 12:33

| Tgt Ion | Ion  | Ratio | Resp  | Lower | Upper |
|---------|------|-------|-------|-------|-------|
| 69      | 100  |       | 83156 |       |       |
| 41      | 70.5 | 51.0  | 76.4  |       |       |
| 39      | 33.9 | 26.1  | 39.1  |       |       |





#57

1,3-Dichloropropane

Concen: 20.864 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX004815.D

Acq: 28 Sep 2018 12:33

Instrument :

MSVOA\_X

ClientSampleId :

VX0928MBS01

Tot Ion: 76 Resp: 94586

Ion Ratio Lower Upper

76 100

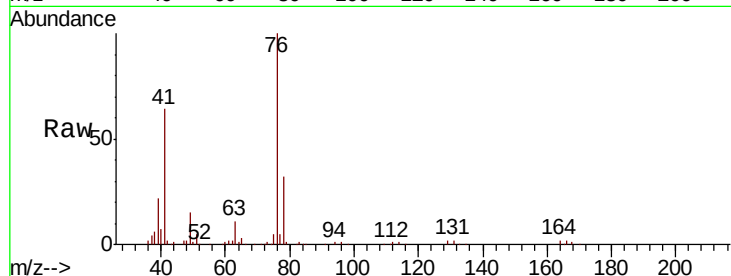
78 32.4 25.5 38.3

Manual Integrations

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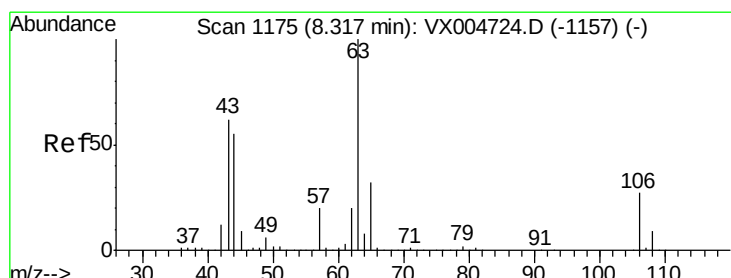
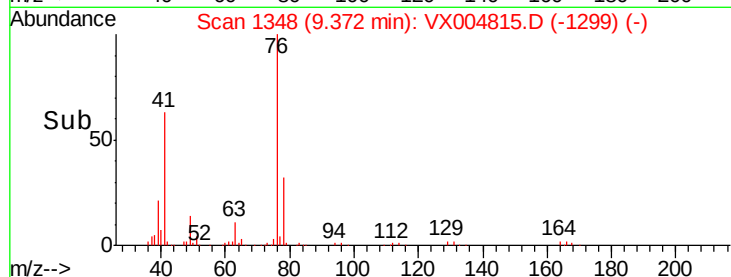
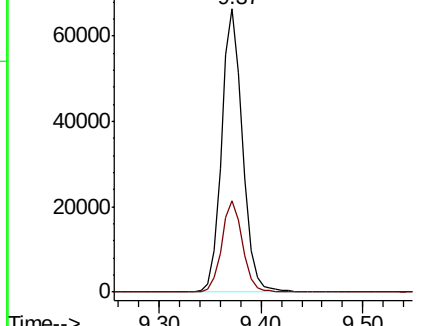
MMDadoda

10/1/2018 1:31:27 PM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 114.203 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.01 min

Lab File: VX004815.D

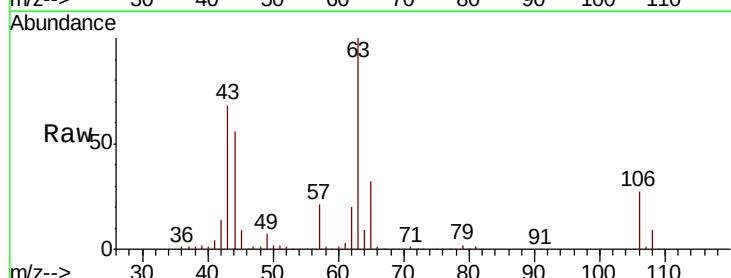
Acq: 28 Sep 2018 12:33

Tgt Ion: 63 Resp: 248784

Ion Ratio Lower Upper

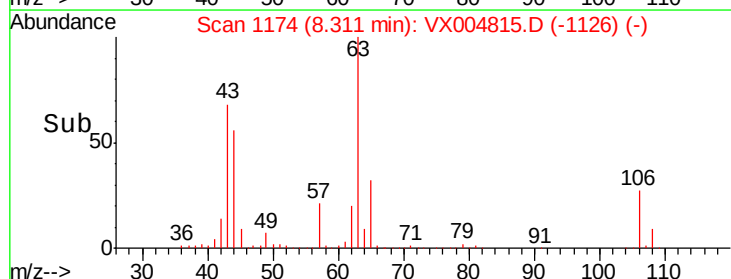
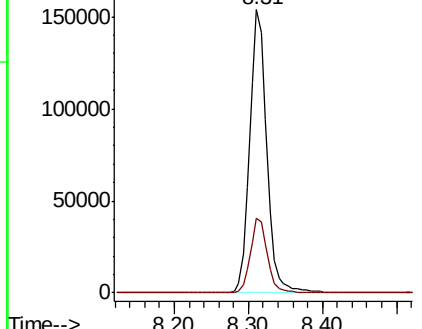
63 100

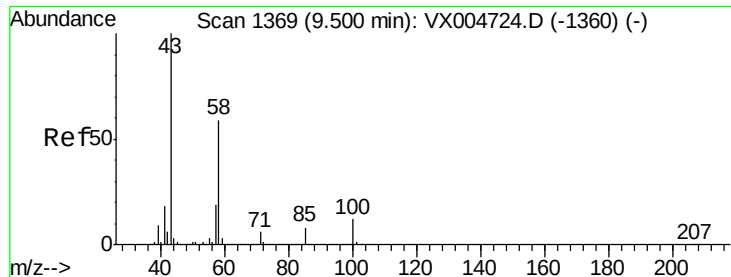
106 26.1 23.9 35.9



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





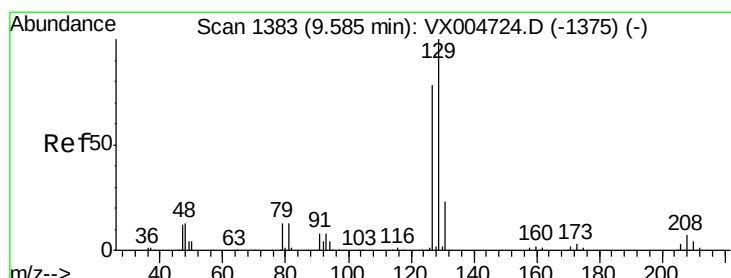
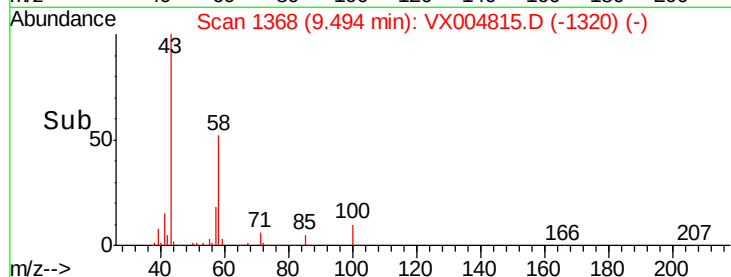
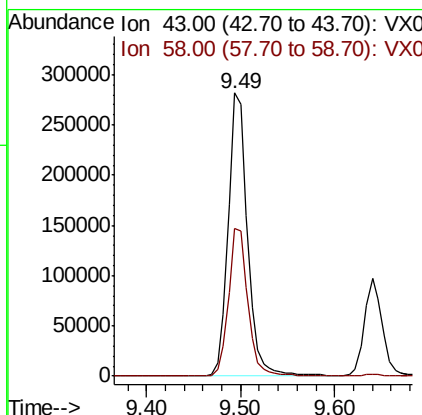
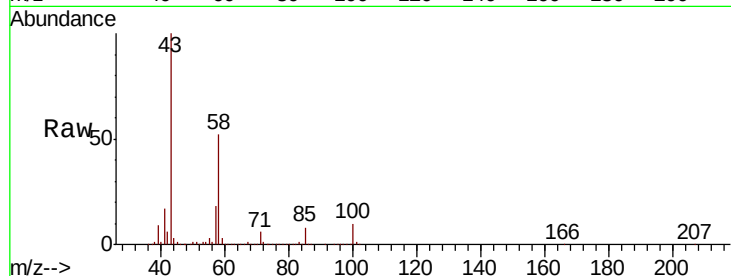
#59  
2-Hexanone  
Concen: 110.591 ug/l  
RT: 9.49 min Scan# 1368  
Delta R.T. -0.01 min  
Lab File: VX004815.D  
Acq: 28 Sep 2018 12:33

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0928MBS01

Tot Ion: 43 Resp: 401875  
Ion Ratio Lower Upper  
43 100  
58 52.4 29.0 87.0

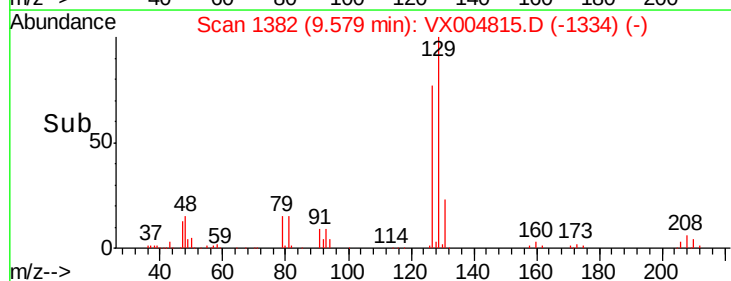
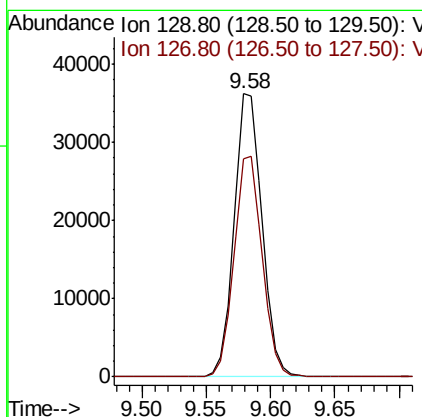
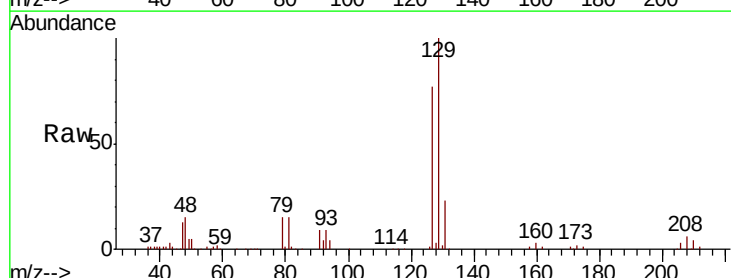
Manual Integrations  
APPROVED

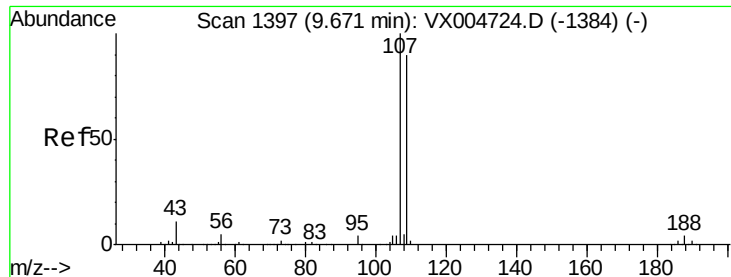
MMDadoda  
10/1/2018 1:31:27 PM



#60  
Dibromochloromethane  
Concen: 20.044 ug/l  
RT: 9.58 min Scan# 1382  
Delta R.T. -0.01 min  
Lab File: VX004815.D  
Acq: 28 Sep 2018 12:33

Tgt Ion: 129 Resp: 54603  
Ion Ratio Lower Upper  
129 100  
127 78.6 38.5 115.5





#61

1,2-Dibromoethane

Concen: 20.039 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX004815.D

Acq: 28 Sep 2018 12:33

Instrument :

MSVOA\_X

ClientSampleId :

VX0928MBS01

Tot Ion:107 Resp: 58456

Ion Ratio Lower Upper

107 100

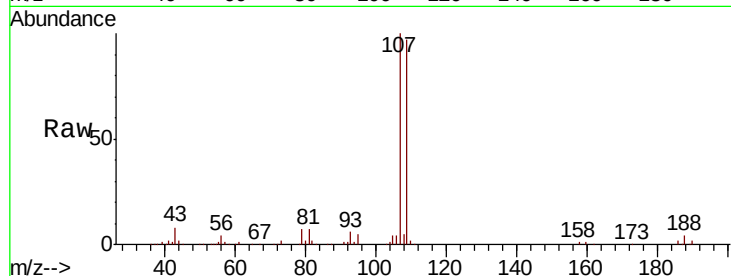
109 95.0 76.0 114.0

Manual Integrations

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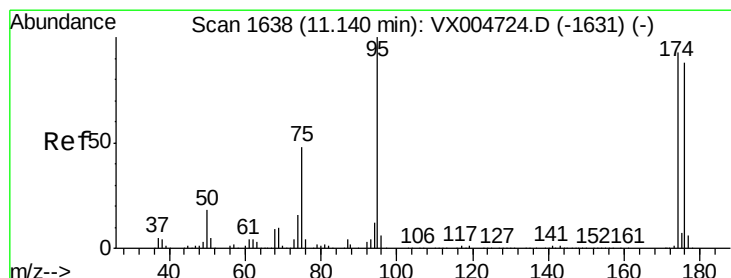
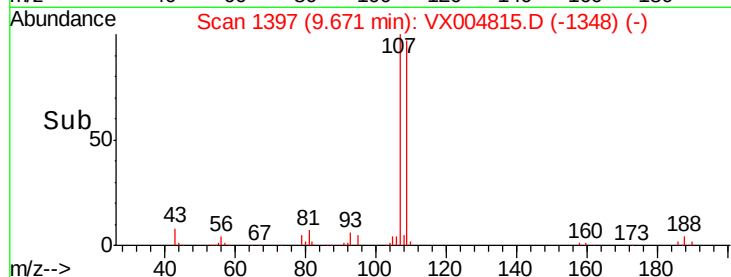
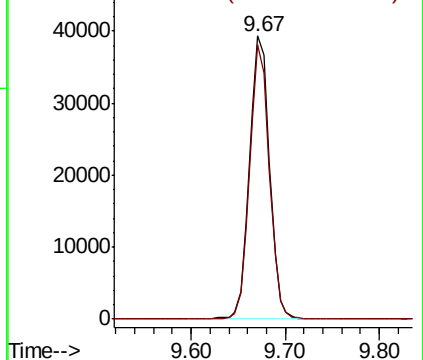
MMDadoda

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 55.908 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX004815.D

Acq: 28 Sep 2018 12:33

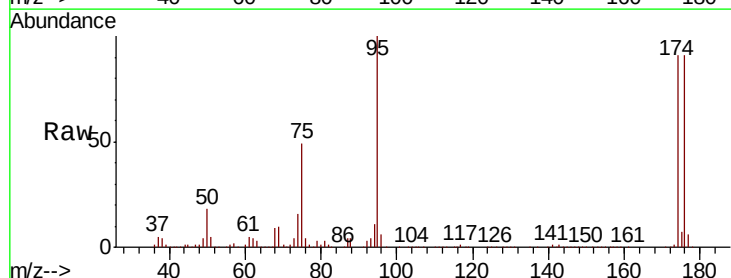
Tgt Ion: 95 Resp: 177405

Ion Ratio Lower Upper

95 100

174 89.9 0.0 185.2

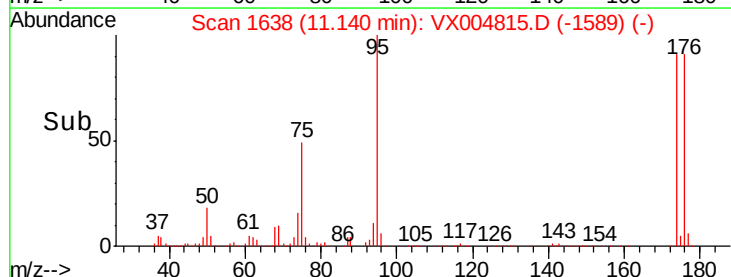
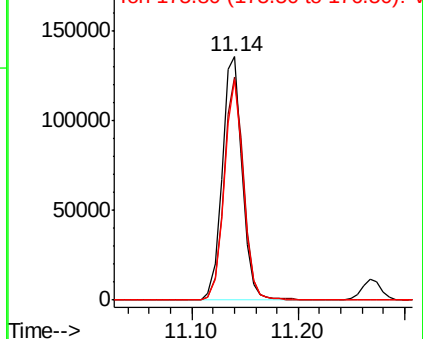
176 87.2 0.0 178.6

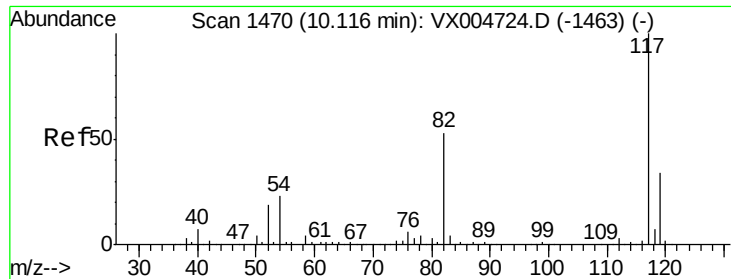


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





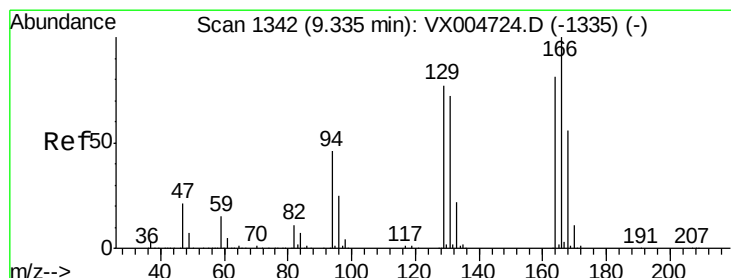
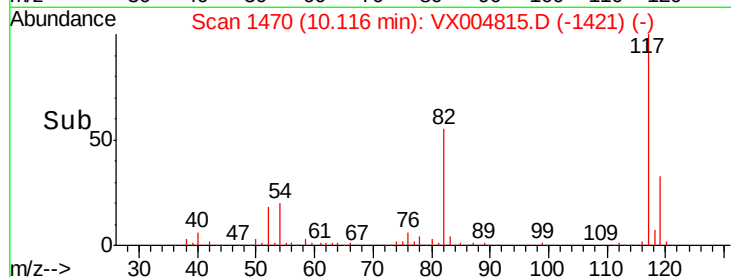
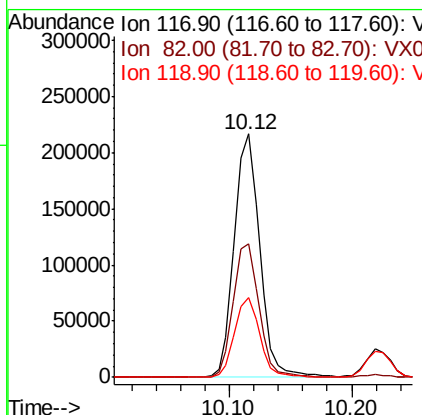
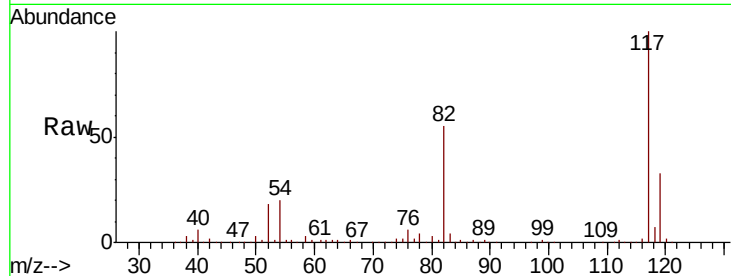
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.12 min Scan# 1470  
Delta R.T. -0.00 min  
Lab File: VX004815.D  
Acq: 28 Sep 2018 12:33

Instrument :  
MSVOA\_X  
ClientSampled :  
VX0928MBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 54.8  | 47.8  | 71.6  |
| 119     | 32.6  | 29.3  | 43.9  |

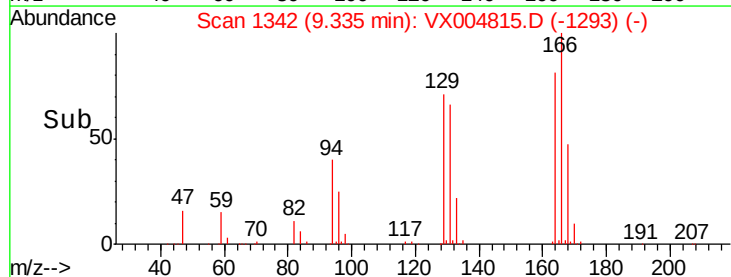
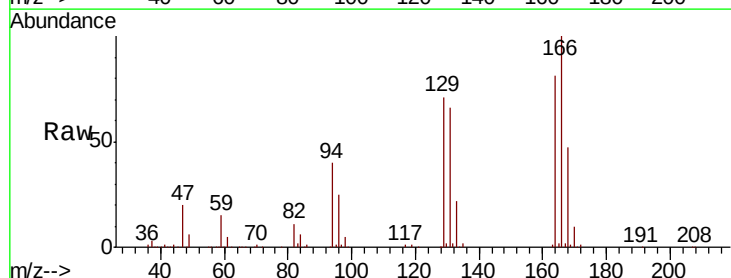
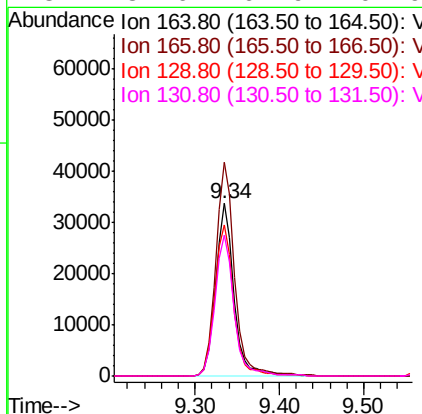
Manual Integrations  
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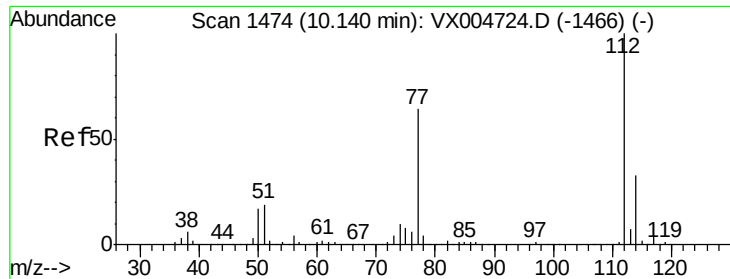
MMDadoda  
10/1/2018 1:31:27 PM



#64  
Tetrachloroethene  
Concen: 16.535 ug/l  
RT: 9.34 min Scan# 1342  
Delta R.T. -0.00 min  
Lab File: VX004815.D  
Acq: 28 Sep 2018 12:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 166     | 123.9 | 102.8 | 154.2 |
| 129     | 87.9  | 69.4  | 104.0 |
| 131     | 81.6  | 67.9  | 101.9 |





#65

Chlorobenzene

Concen: 18.301 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. -0.00 min

Lab File: VX004815.D

Acq: 28 Sep 2018 12:33

Instrument :

MSVOA\_X

ClientSampled :

VX0928MBS01

Tot Ion:112 Resp: 146547

Ion Ratio Lower Upper

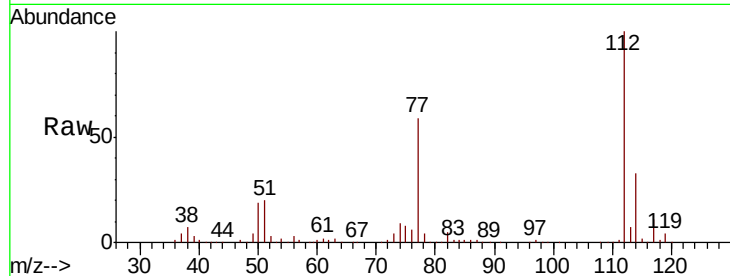
112 100

114 32.6 27.8 41.8

Manual Integrations  
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10/1/2018 1:31:27 PM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

10.14

100000

80000

60000

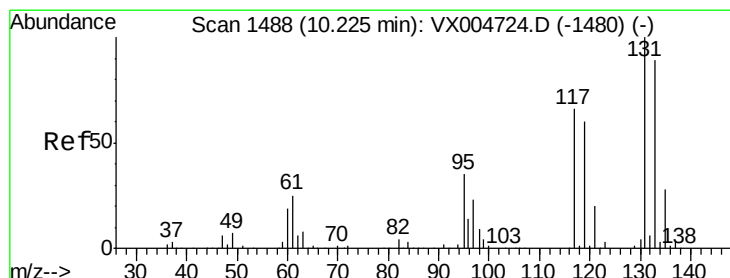
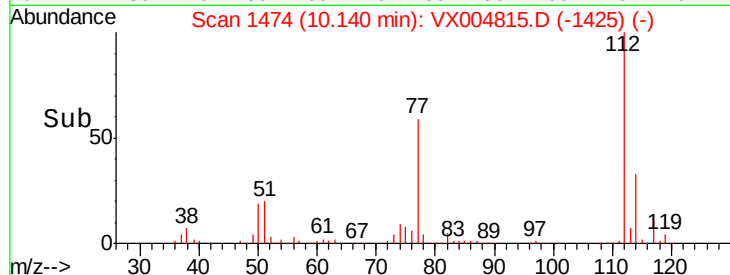
40000

20000

0

Time-->

10.10 10.20 10.30



#66

1,1,1,2-Tetrachloroethane

Concen: 18.346 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.01 min

Lab File: VX004815.D

Acq: 28 Sep 2018 12:33

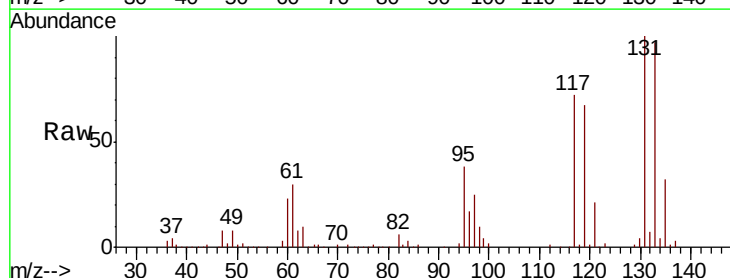
Tgt Ion:131 Resp: 51647

Ion Ratio Lower Upper

131 100

133 96.4 48.1 144.4

119 66.2 32.9 98.6



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

60000

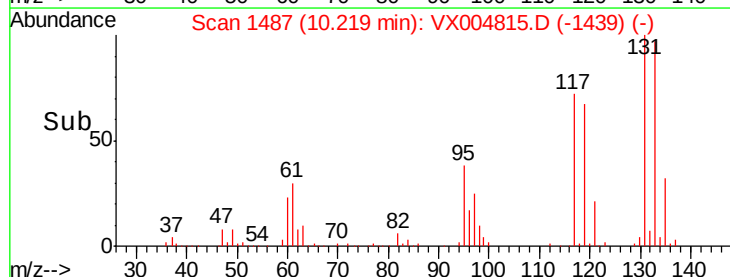
40000

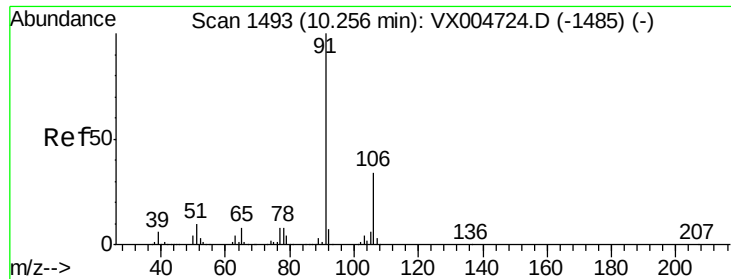
20000

0

Time-->

10.20 10.30





#67

Ethyl Benzene

Concen: 18.343 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.01 min

Lab File: VX004815.D

Acq: 28 Sep 2018 12:33

Instrument :

MSVOA\_X

ClientSampled :

VX0928MBS01

Tot Ion: 91 Resp: 233202

Ion Ratio Lower Upper

91 100

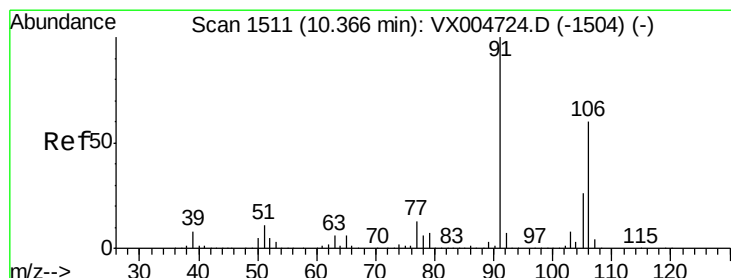
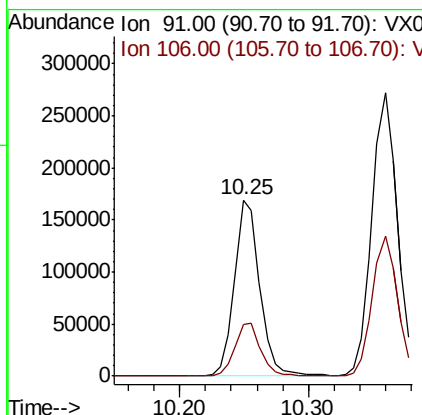
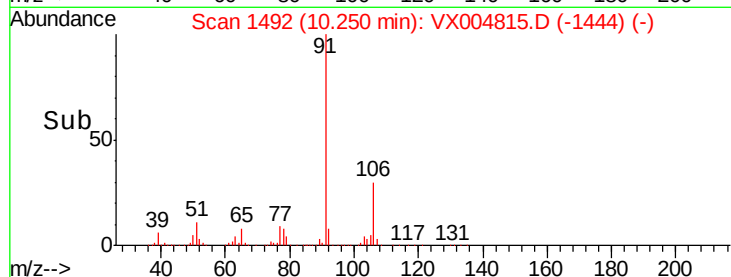
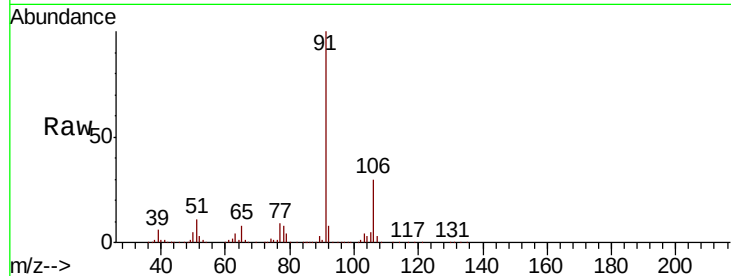
106 29.6 25.9 38.9

Manual Integrations

APPROVED

MMDadoda

10/1/2018 1:31:27 PM



#68

m/p-Xylenes

Concen: 37.416 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.01 min

Lab File: VX004815.D

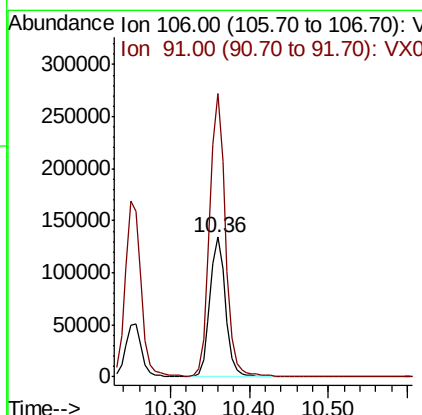
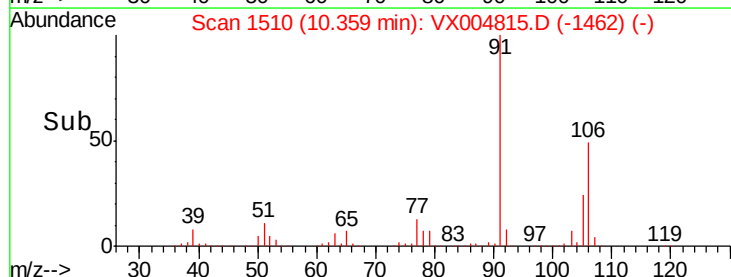
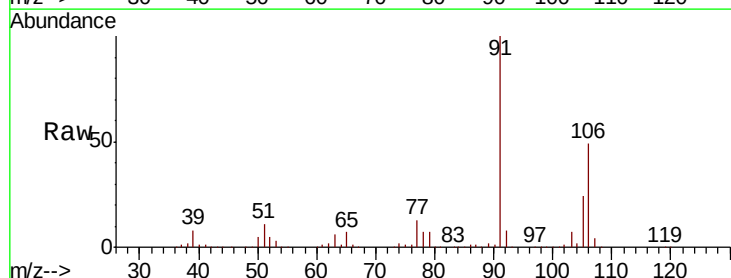
Acq: 28 Sep 2018 12:33

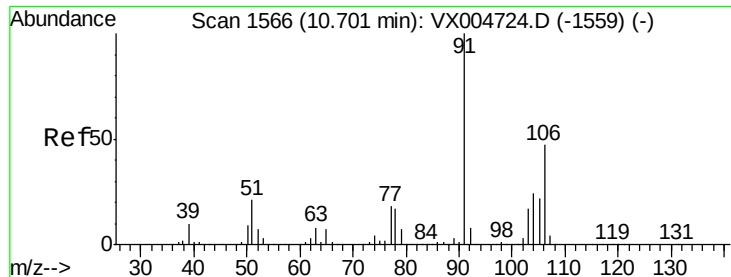
Tgt Ion: 106 Resp: 185886

Ion Ratio Lower Upper

106 100

91 204.2 157.1 235.7





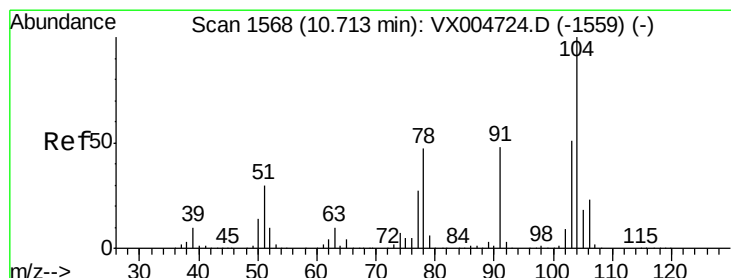
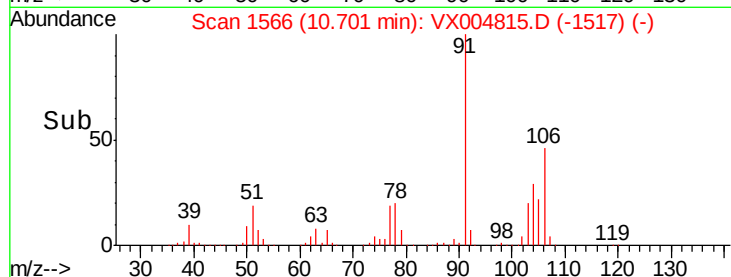
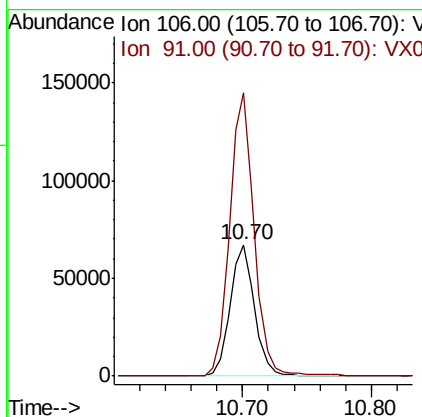
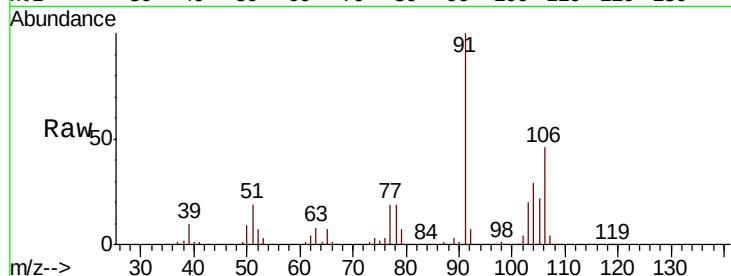
#69  
o-Xylene  
Concen: 19.552 ug/l  
RT: 10.70 min Scan# 1566  
Delta R.T. -0.00 min  
Lab File: VX004815.D  
Acq: 28 Sep 2018 12:33

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0928MBS01

| Tot Ion | Ion   | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|-------|
| 106     | 100   |       | 89218 |       |       |
| 91      | 216.2 | 105.1 | 315.1 |       |       |

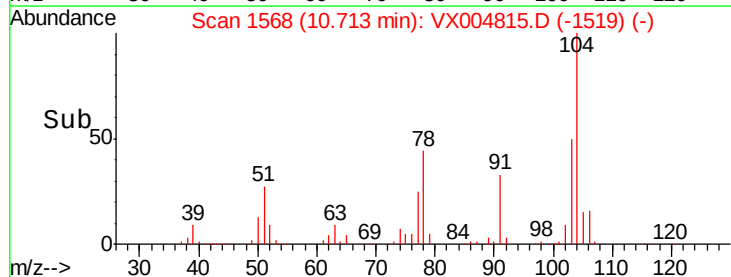
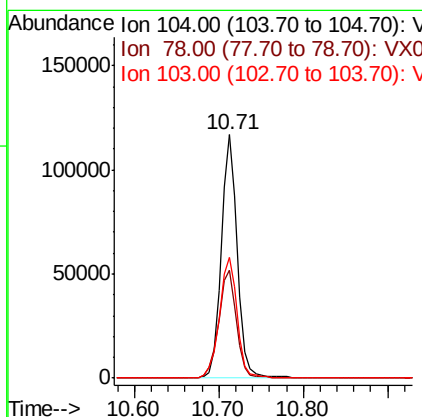
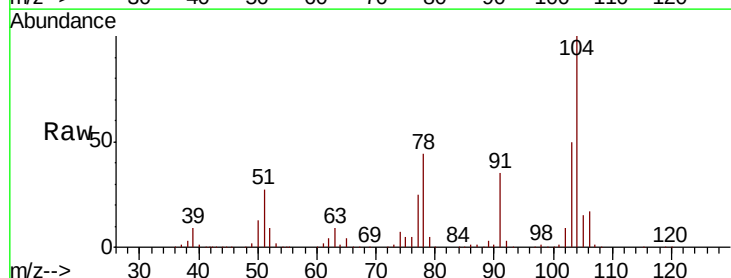
Manual Integrations  
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10/1/2018 1:31:27 PM

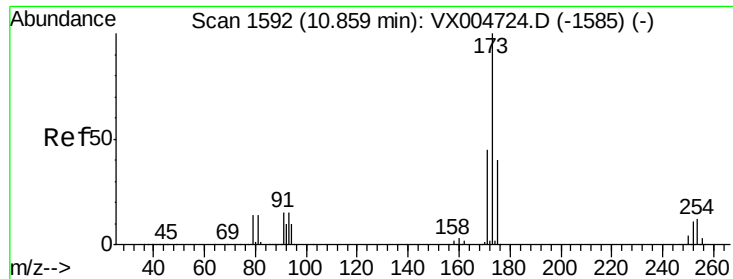


#70  
Styrene  
Concen: 19.354 ug/l  
RT: 10.71 min Scan# 1568  
Delta R.T. 0.00 min  
Lab File: VX004815.D  
Acq: 28 Sep 2018 12:33

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 104     | 100  |       | 153480 |       |       |
| 78      | 50.0 | 37.4  | 56.0   |       |       |
| 103     | 55.2 | 43.8  | 65.6   |       |       |







#71

Bromoform

Concen: 18.417 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. -0.00 min

Lab File: VX004815.D

Acq: 28 Sep 2018 12:33

Instrument :

MSVOA\_X

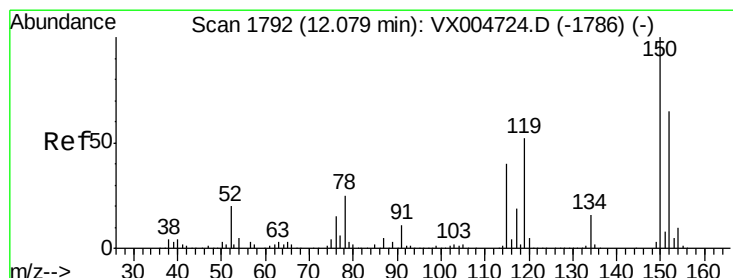
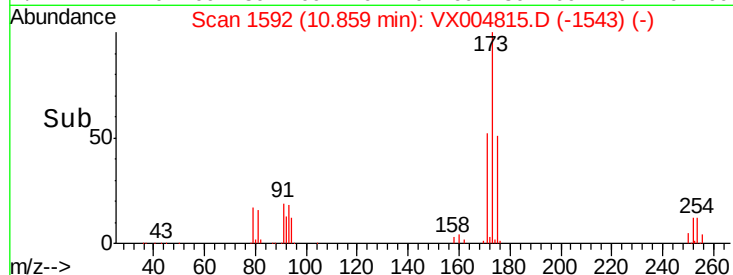
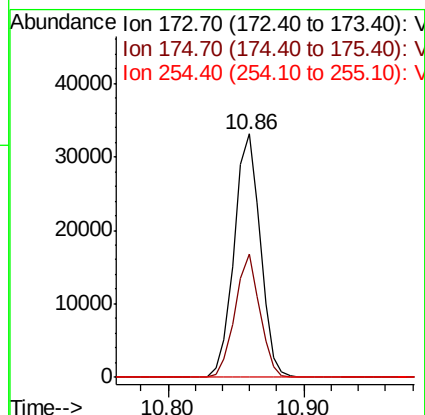
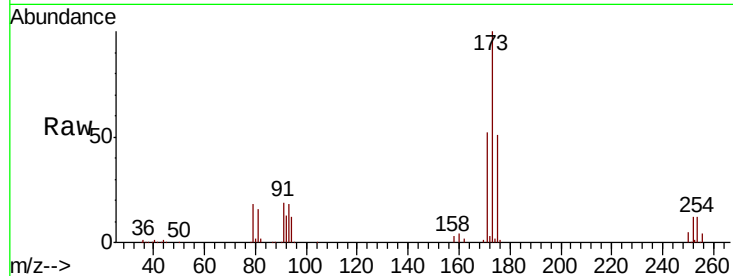
ClientSampleId :

VX0928MBS01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 173   | Resp: | 44387 |
| Ion Ratio | Lower | Upper |       |
| 173       | 100   |       |       |
| 175       | 48.1  | 24.1  | 72.3  |
| 254       | 0.2   | 0.2   | 0.2   |

Manual Integrations  
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

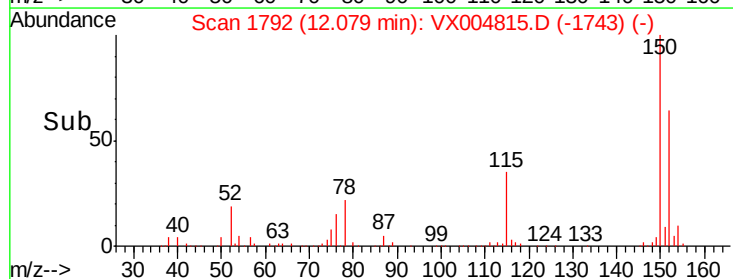
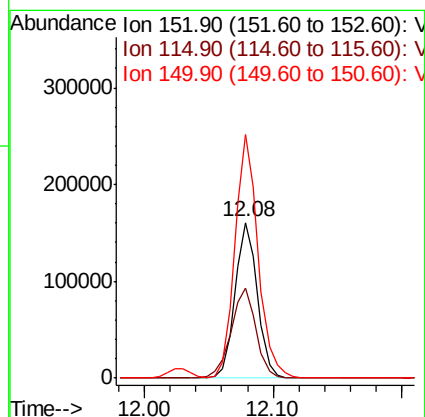
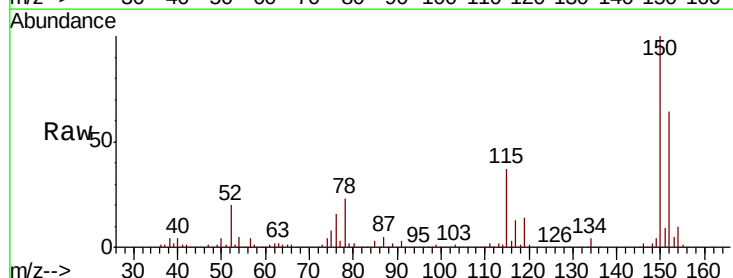
RT: 12.08 min Scan# 1792

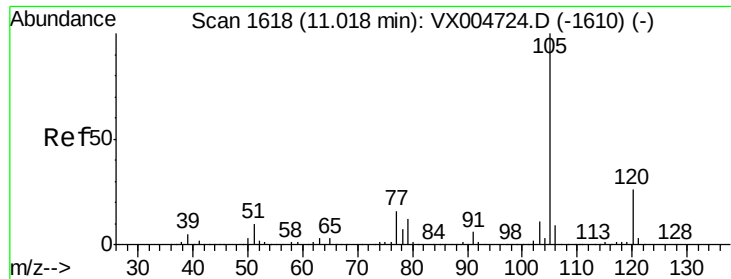
Delta R.T. -0.00 min

Lab File: VX004815.D

Acq: 28 Sep 2018 12:33

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 152   | Resp: | 194565 |
| Ion Ratio | Lower | Upper |        |
| 152       | 100   |       |        |
| 115       | 64.3  | 39.0  | 117.0  |
| 150       | 162.5 | 0.0   | 351.0  |





#73

Isopropylbenzene

Concen: 18.836 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX004815.D

Acq: 28 Sep 2018 12:33

Instrument :

MSVOA\_X

ClientSampleId :

VX0928MBS01

Tot Ion: 105 Resp: 230997

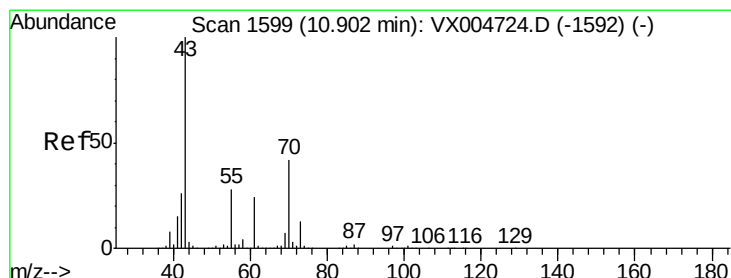
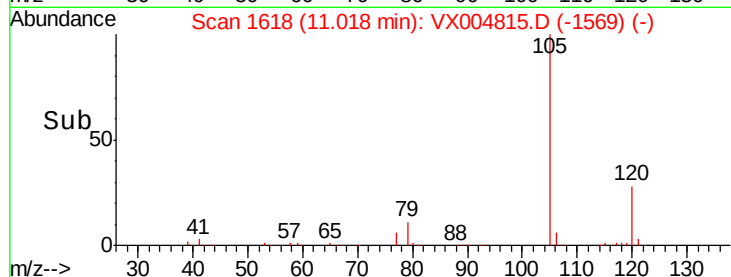
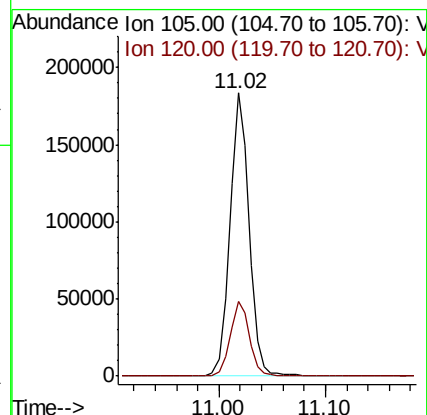
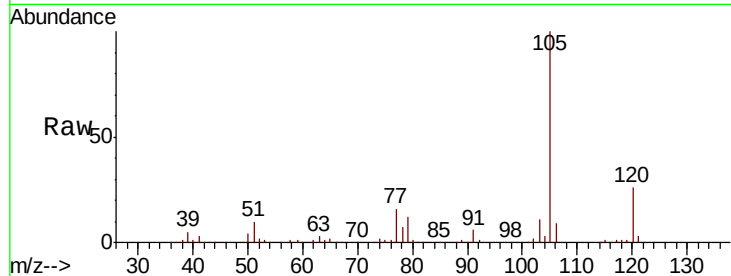
Ion Ratio Lower Upper

105 100

120 26.7 13.5 40.4

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#74

N-ethyl acetate

Concen: 19.152 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.01 min

Lab File: VX004815.D

Acq: 28 Sep 2018 12:33

Tgt Ion: 43 Resp: 121568

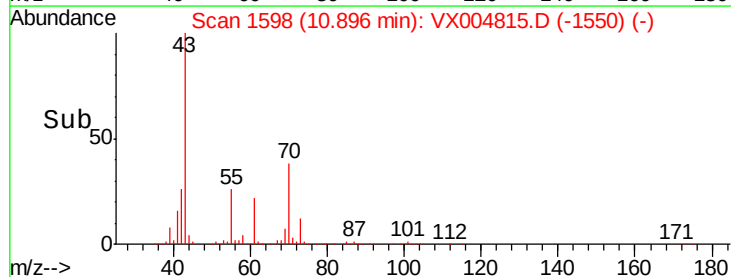
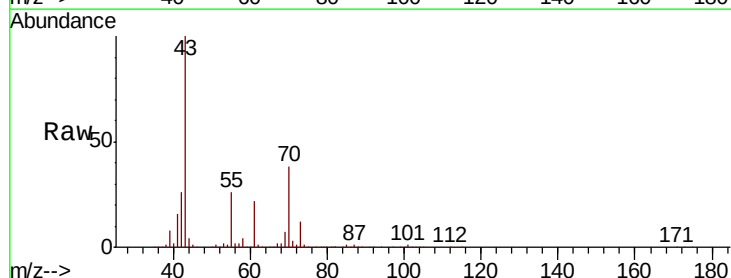
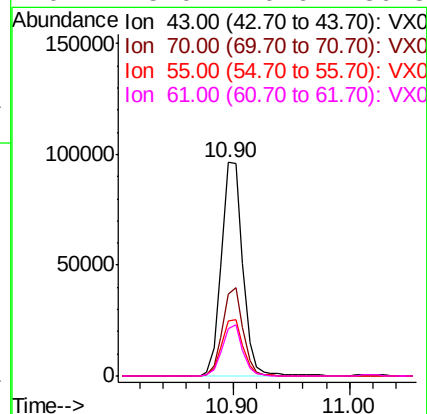
Ion Ratio Lower Upper

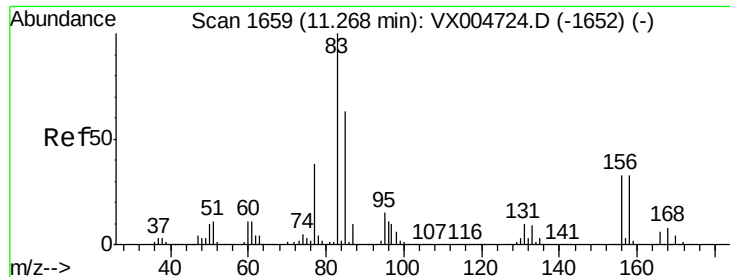
43 100

70 40.1 37.4 56.0

55 27.0 21.8 32.8

61 23.0 20.6 30.8





#75

1,1,2,2-Tetrachloroethane

Concen: 18.732 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX004815.D

Acq: 28 Sep 2018 12:33

Instrument :

MSVOA\_X

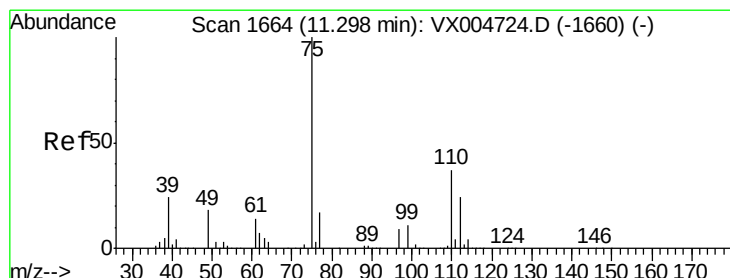
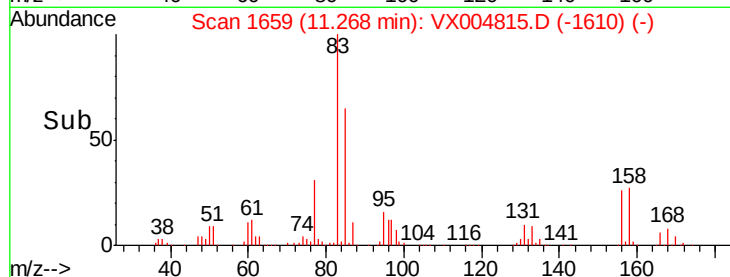
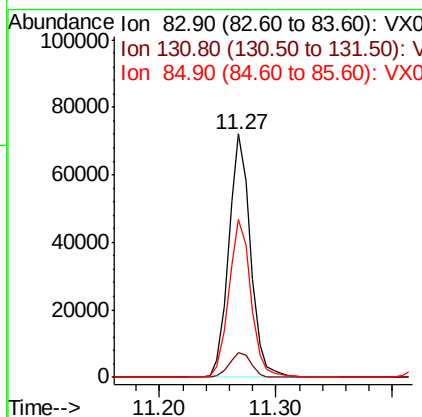
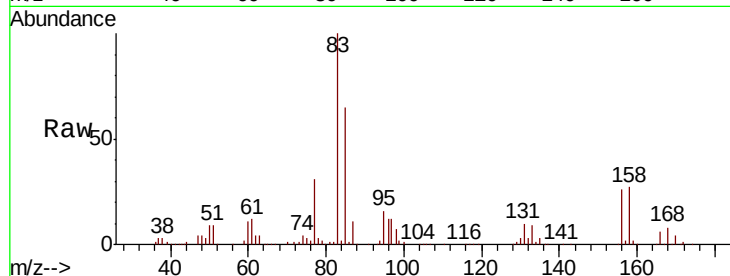
ClientSampleId :

VX0928MBS01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 83    | Resp: | 93515 |
| Ion Ratio | Lower | Upper |       |
| 83        | 100   |       |       |
| 131       | 10.6  | 5.2   | 15.6  |
| 85        | 65.7  | 32.3  | 96.8  |

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#76

1,2,3-Trichloropropane

Concen: 19.920 ug/l m

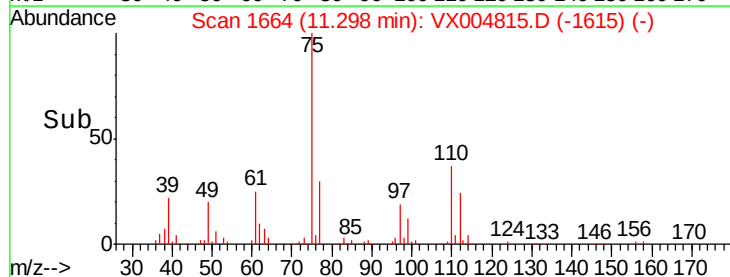
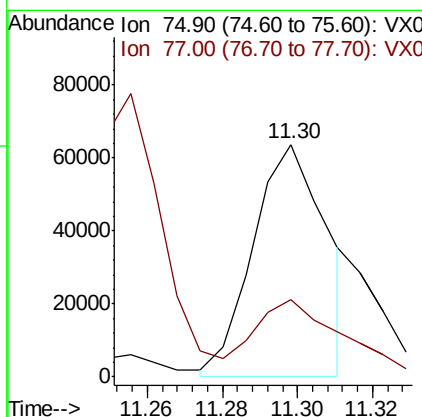
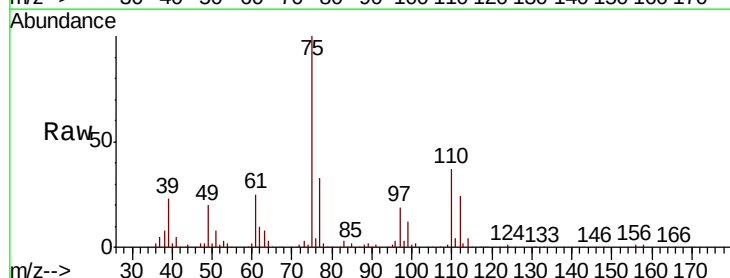
RT: 11.30 min Scan# 1664

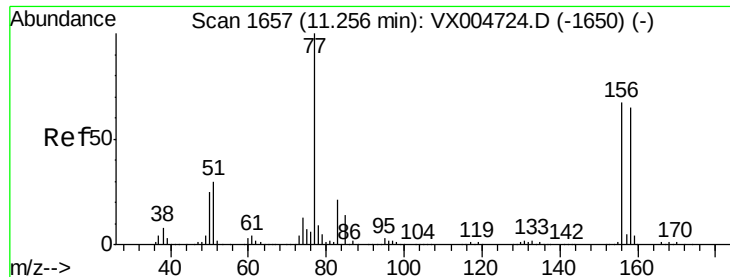
Delta R.T. -0.00 min

Lab File: VX004815.D

Acq: 28 Sep 2018 12:33

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 86869 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 77        | 39.9  | 20.2  | 60.6  |





#77

Bromobenzene

Concen: 18.980 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX004815.D

Acq: 28 Sep 2018 12:33

Instrument :

MSVOA\_X

ClientSampled :

VX0928MBS01

Tot Ion:156 Resp: 67609

Ion Ratio Lower Upper

156 100

77 151.3 71.5 214.3

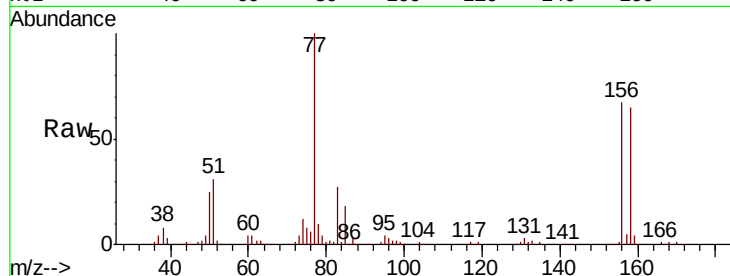
158 98.0 48.9 146.8

Manual Integrations

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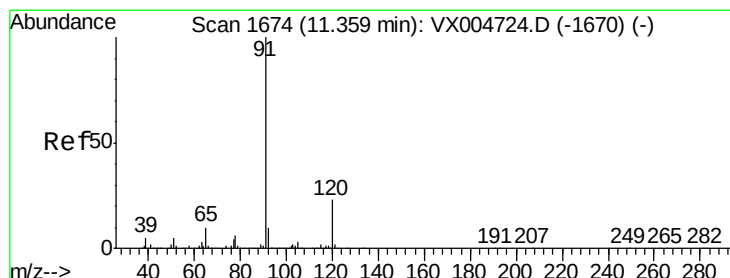
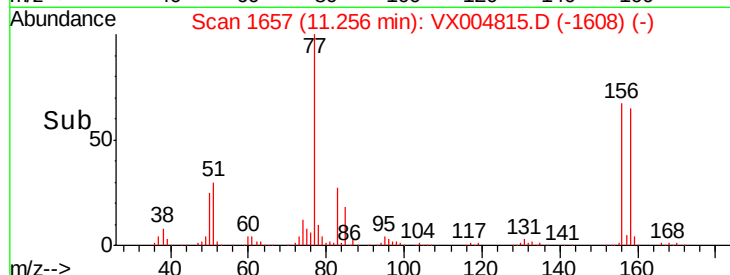
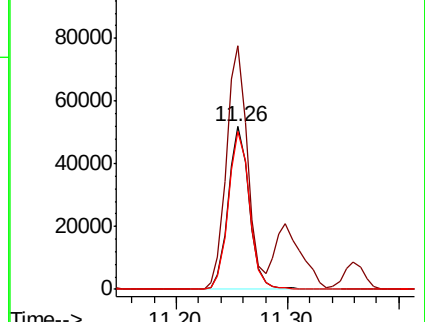
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.190 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX004815.D

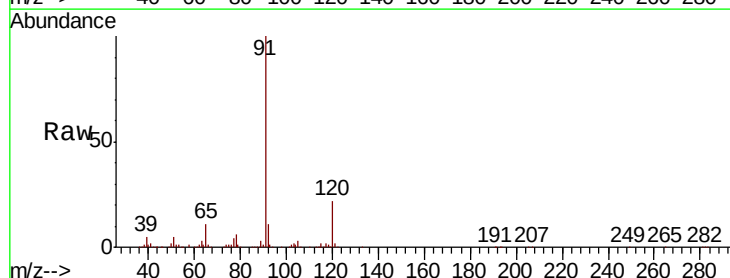
Acq: 28 Sep 2018 12:33

Tgt Ion: 91 Resp: 270026

Ion Ratio Lower Upper

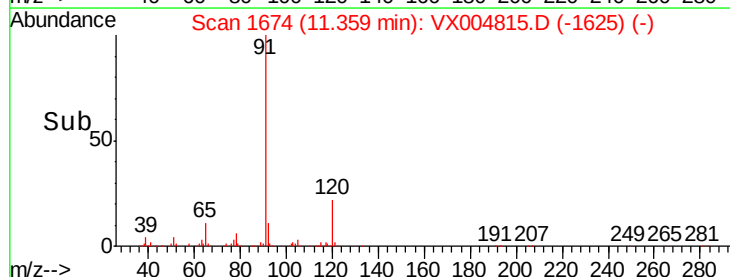
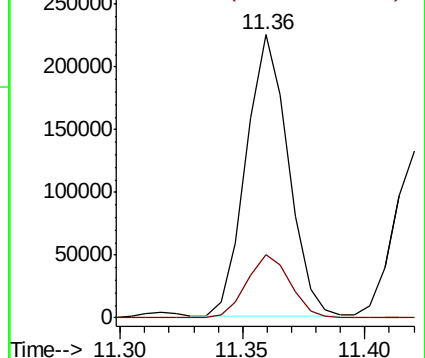
91 100

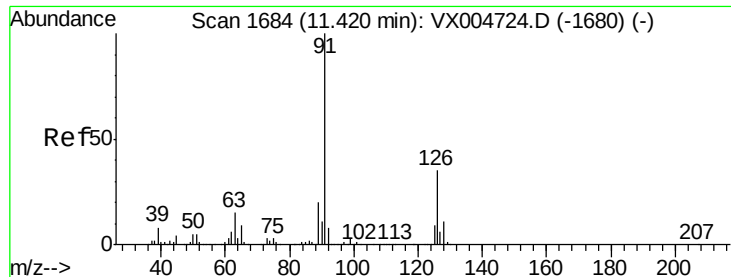
120 23.4 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





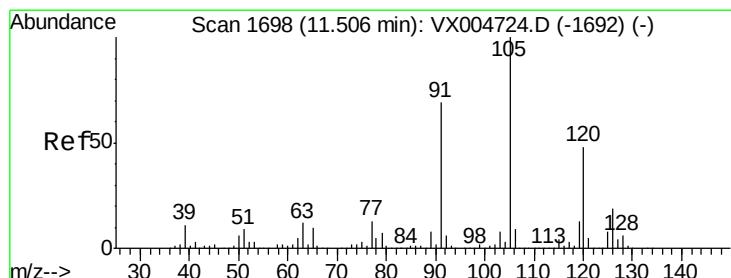
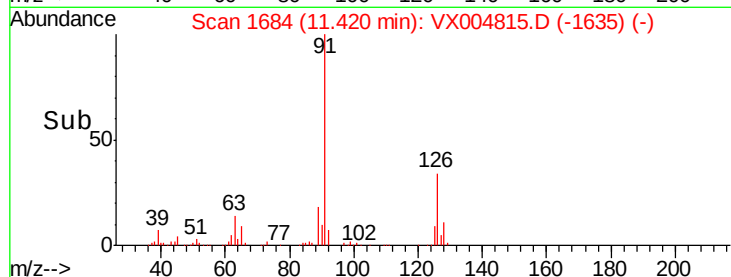
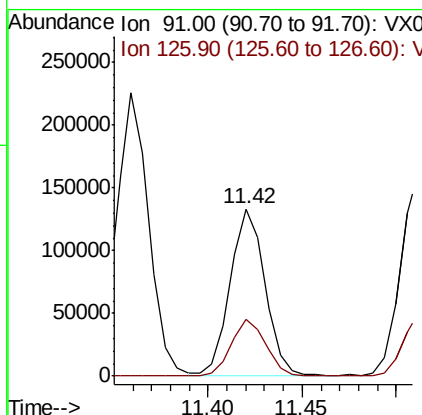
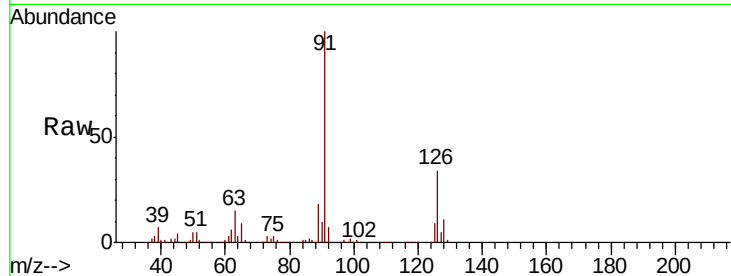
#79  
2-Chlorotoluene  
Concen: 19.301 ug/l  
RT: 11.42 min Scan# 1684  
Delta R.T. -0.00 min  
Lab File: VX004815.D  
Acq: 28 Sep 2018 12:33

Instrument :  
MSVOA\_X  
ClientSampled :  
VX0928MBS01

Tot Ion: 91 Resp: 169289  
Ion Ratio Lower Upper  
91 100  
126 34.6 17.9 53.7

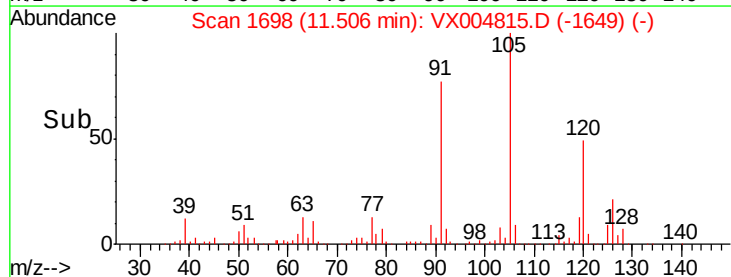
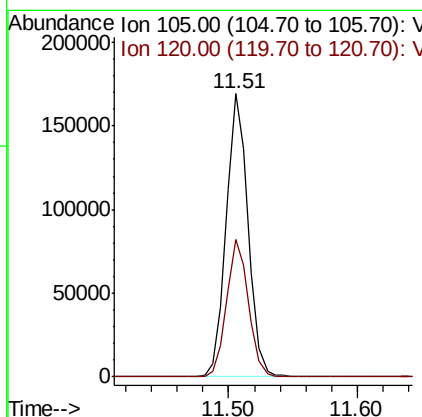
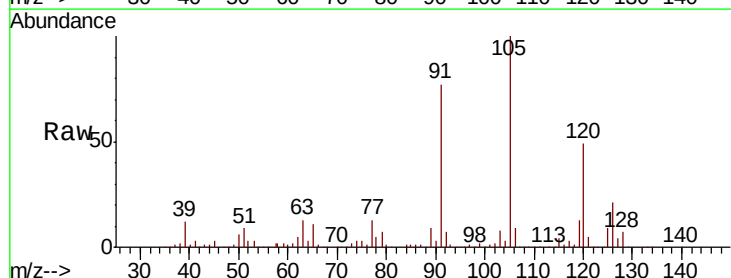
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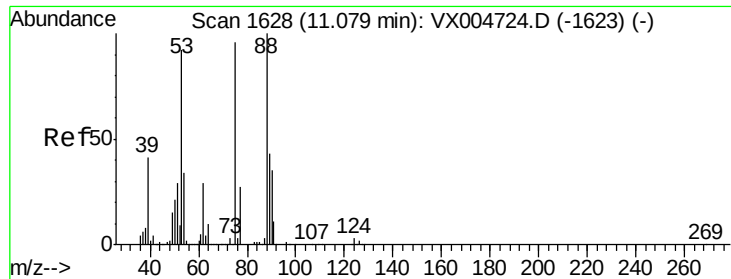
MMDadoda  
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#80  
1,3,5-Trimethylbenzene  
Concen: 17.851 ug/l  
RT: 11.51 min Scan# 1698  
Delta R.T. 0.00 min  
Lab File: VX004815.D  
Acq: 28 Sep 2018 12:33

Tgt Ion: 105 Resp: 202071  
Ion Ratio Lower Upper  
105 100  
120 48.7 25.6 76.8





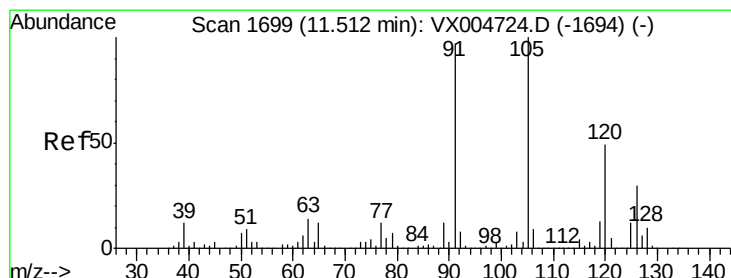
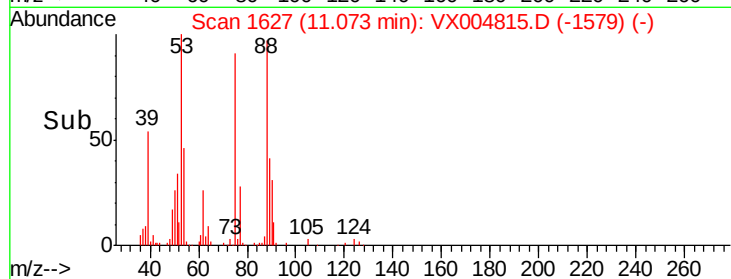
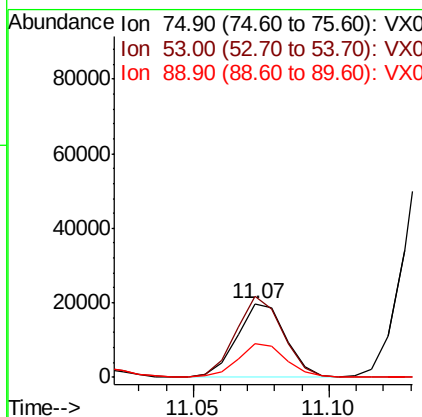
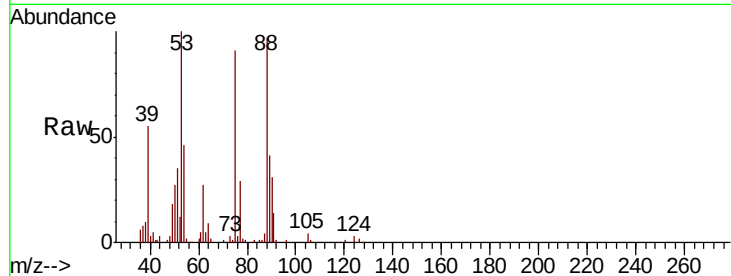
#81  
trans-1,4-Dichloro-2-butene  
Concen: 16.657 ug/l  
RT: 11.07 min Scan# 1627  
Delta R.T. -0.01 min  
Lab File: VX004815.D  
Acq: 28 Sep 2018 12:33

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0928MBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 53      | 107.3 | 80.1  | 120.1 |
| 89      | 45.5  | 37.2  | 55.8  |

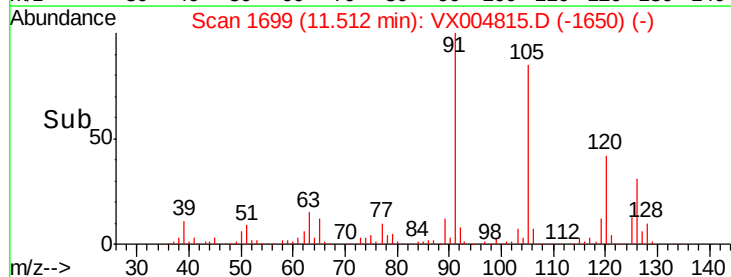
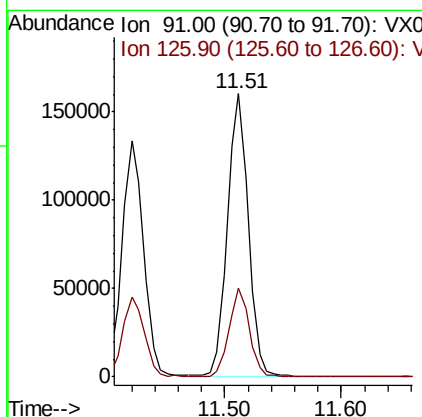
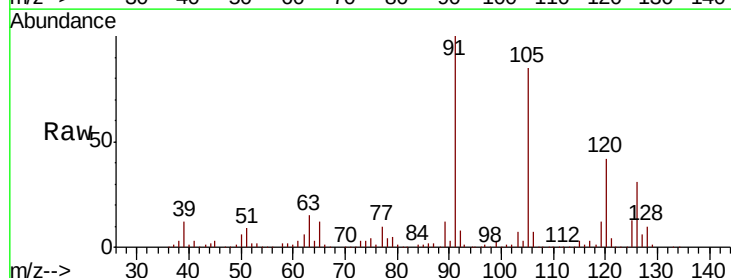
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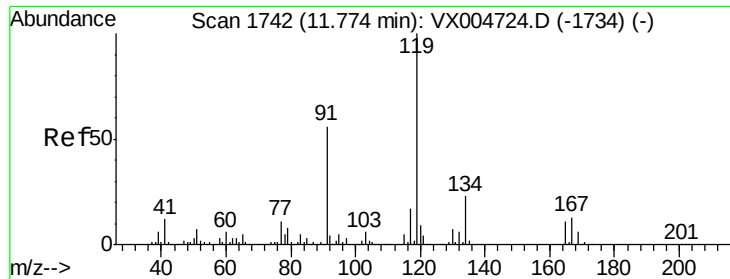
MMDadoda  
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#82  
4-Chlorotoluene  
Concen: 19.371 ug/l  
RT: 11.51 min Scan# 1699  
Delta R.T. -0.00 min  
Lab File: VX004815.D  
Acq: 28 Sep 2018 12:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 126     | 30.4  | 15.5  | 46.5  |





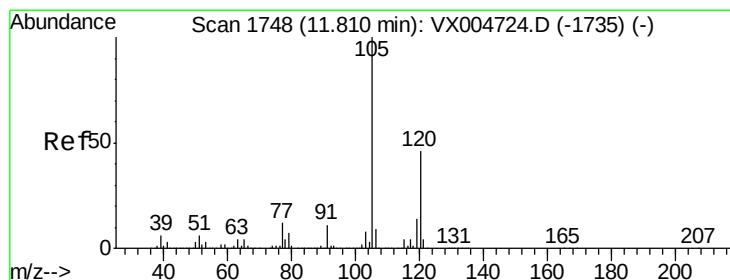
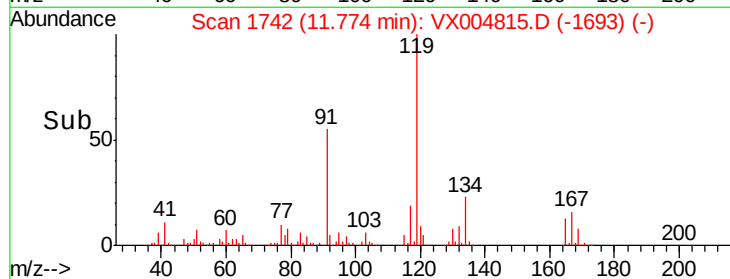
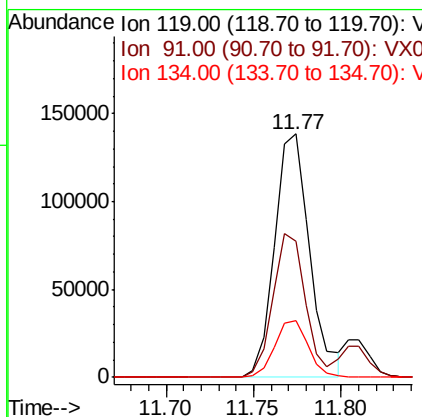
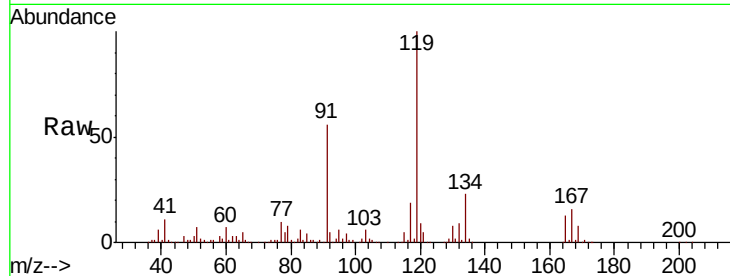
#83  
 tert-Butylbenzene  
 Concen: 19.186 ug/l  
 RT: 11.77 min Scan# 1742  
 Delta R.T. -0.00 min  
 Lab File: VX004815.D  
 Acq: 28 Sep 2018 12:33

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0928MBS01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 119     | 100   | 193718 |       |       |
| 91      | 54.5  |        | 27.0  | 81.0  |
| 134     | 22.4  |        | 11.7  | 35.1  |

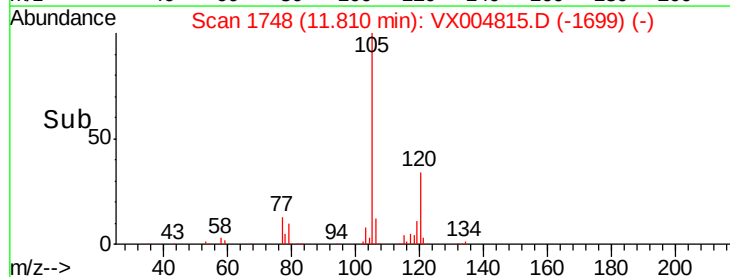
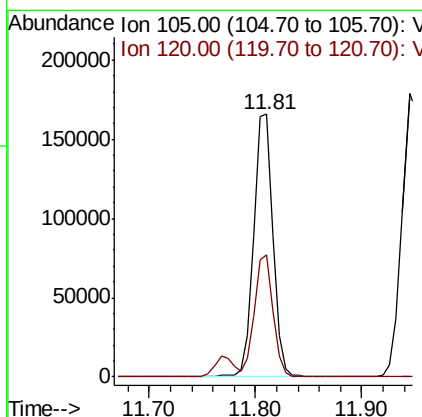
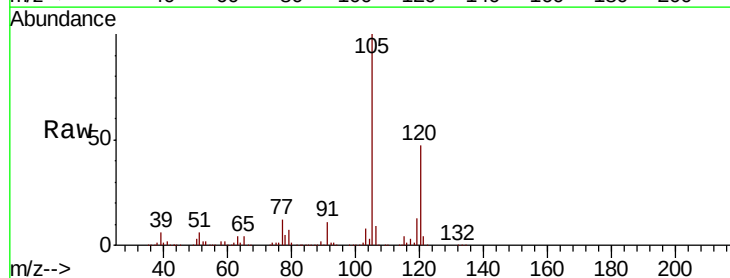
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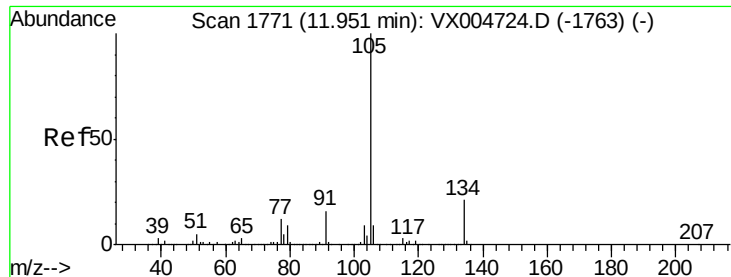
MMDadoda  
 10/1/2018 1:31:27 PM



#84  
 1,2,4-Trimethylbenzene  
 Concen: 18.078 ug/l  
 RT: 11.81 min Scan# 1748  
 Delta R.T. 0.00 min  
 Lab File: VX004815.D  
 Acq: 28 Sep 2018 12:33

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 105     | 100   | 211015 |       |       |
| 120     | 44.9  |        | 23.2  | 69.6  |





#85

sec-Butylbenzene

Concen: 18.541 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.01 min

Lab File: VX004815.D

Acq: 28 Sep 2018 12:33

Instrument :

MSVOA\_X

ClientSampleId :

VX0928MBS01

Tot Ion:105 Resp: 228030

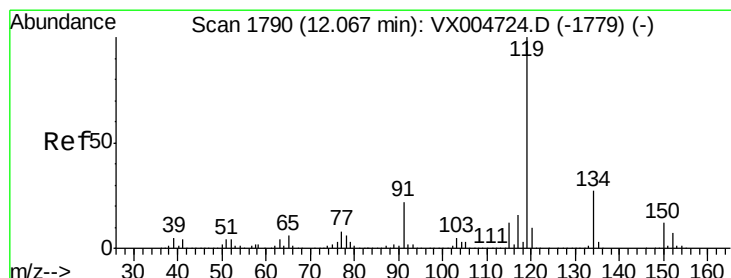
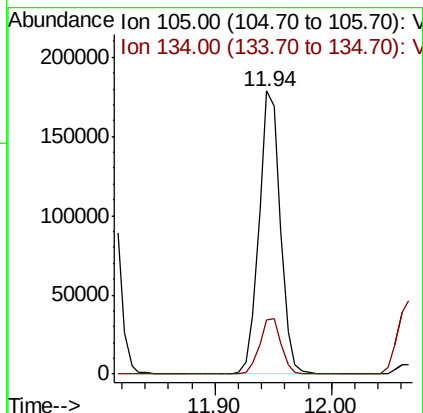
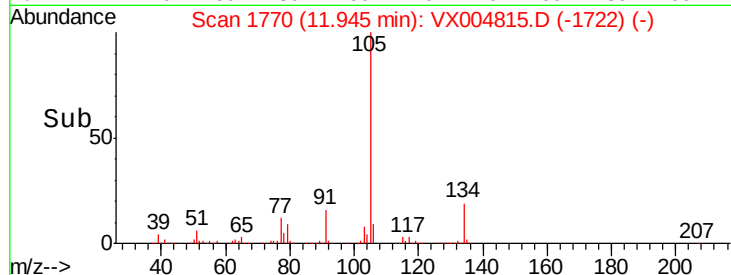
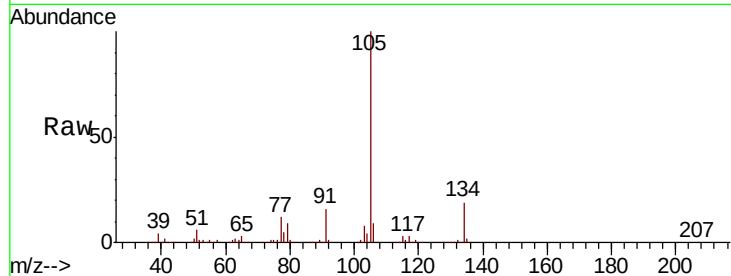
Ion Ratio Lower Upper

105 100

134 19.9 10.5 31.5

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#86

p-Isopropyltoluene

Concen: 18.515 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. -0.00 min

Lab File: VX004815.D

Acq: 28 Sep 2018 12:33

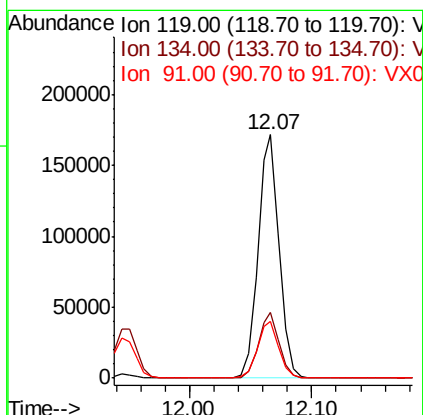
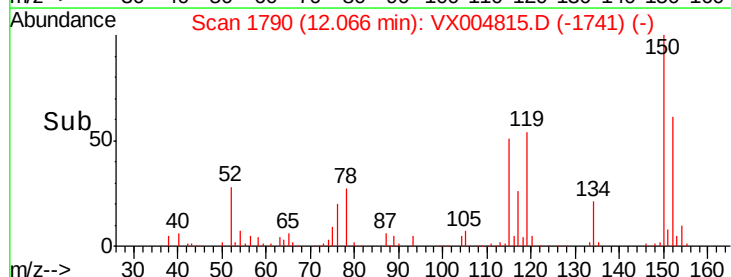
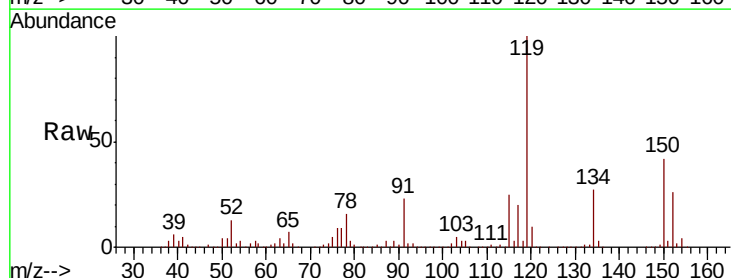
Tgt Ion:119 Resp: 206308

Ion Ratio Lower Upper

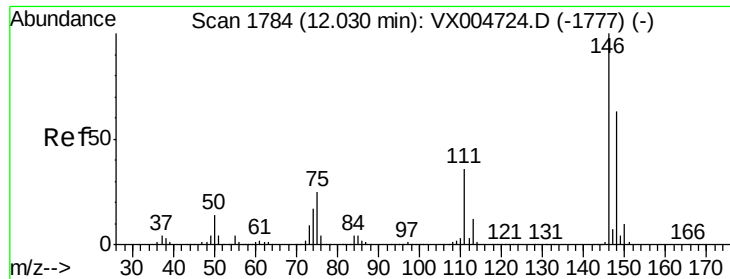
119 100

134 26.5 13.4 40.2

91 23.8 10.9 32.7







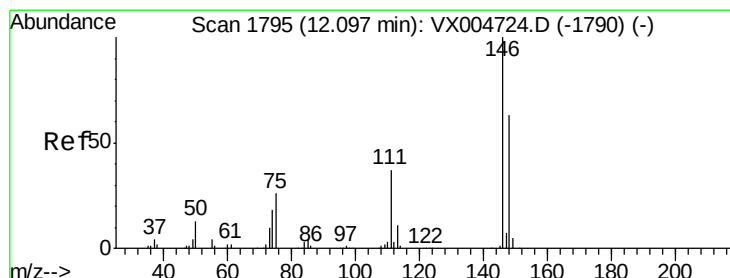
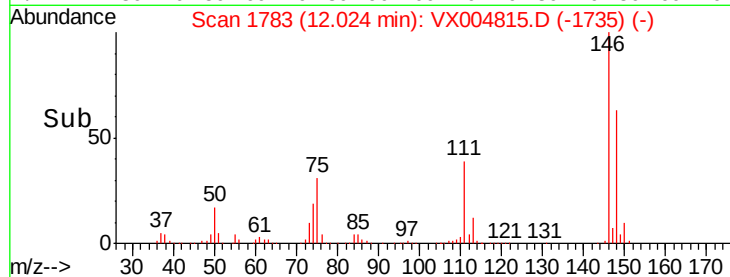
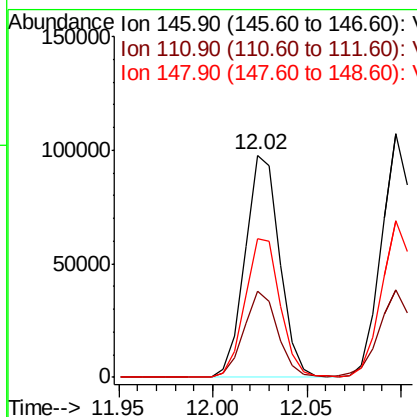
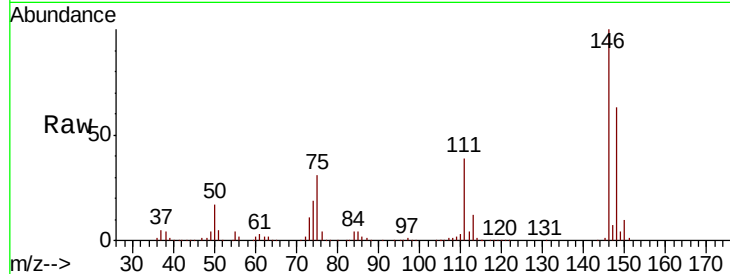
#87  
 1,3-Dichlorobenzene  
 Concen: 18.760 ug/l  
 RT: 12.02 min Scan# 1783  
 Delta R.T. -0.01 min  
 Lab File: VX004815.D  
 Acq: 28 Sep 2018 12:33

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0928MBS01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 146     | 100   | 124778 |       |       |
| 111     | 37.8  | 18.7   | 56.1  |       |
| 148     | 63.4  | 32.1   | 96.5  |       |

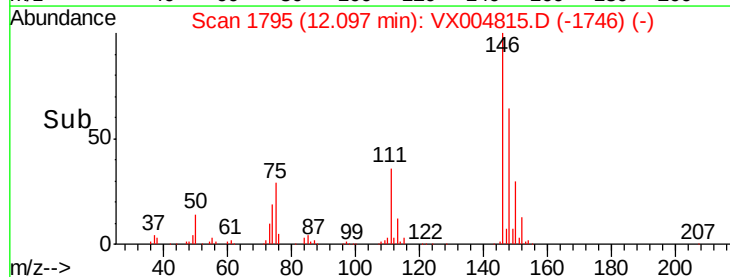
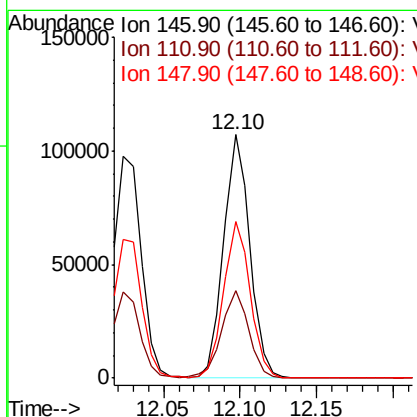
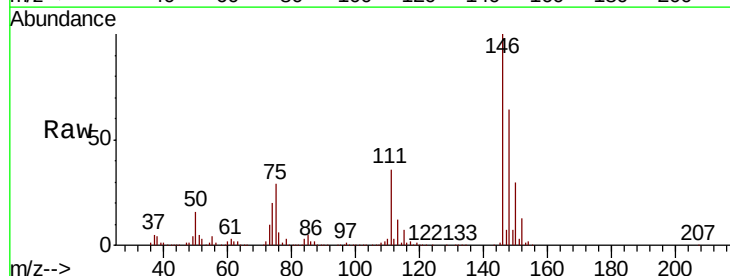
Manual Integrations  
 APPROVED

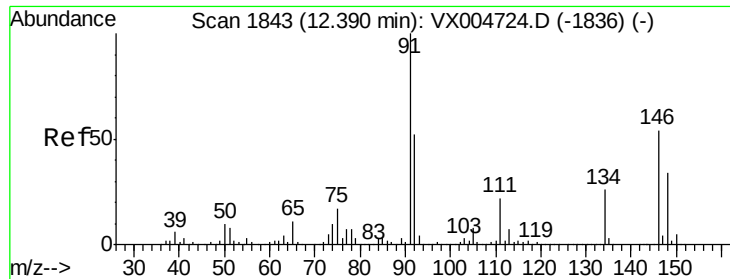
MMDadoda  
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#88  
 1,4-Dichlorobenzene  
 Concen: 18.595 ug/l  
 RT: 12.10 min Scan# 1795  
 Delta R.T. -0.00 min  
 Lab File: VX004815.D  
 Acq: 28 Sep 2018 12:33

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 146     | 100   | 127680 |       |       |
| 111     | 37.7  | 18.1   | 54.1  |       |
| 148     | 65.1  | 32.0   | 96.0  |       |





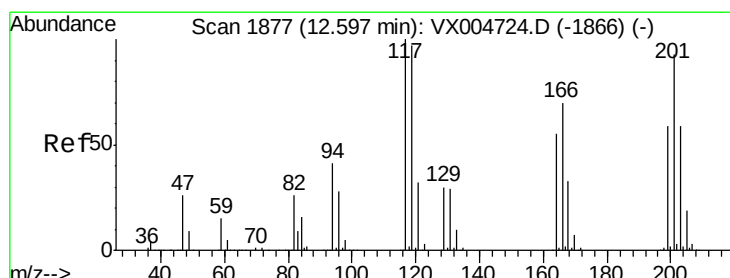
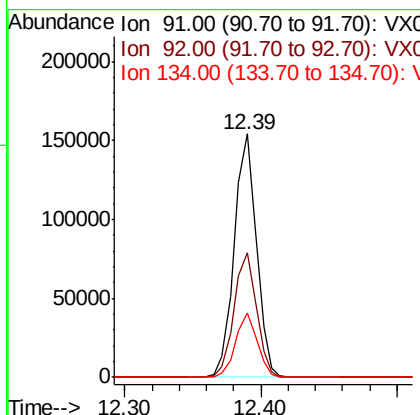
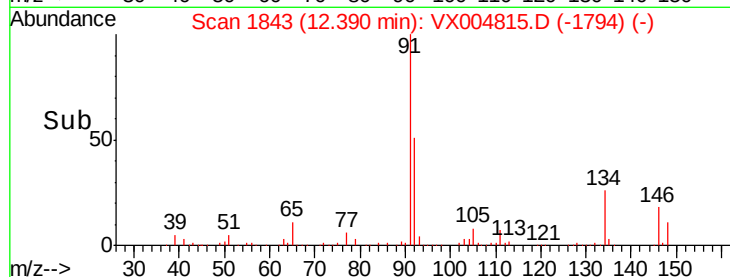
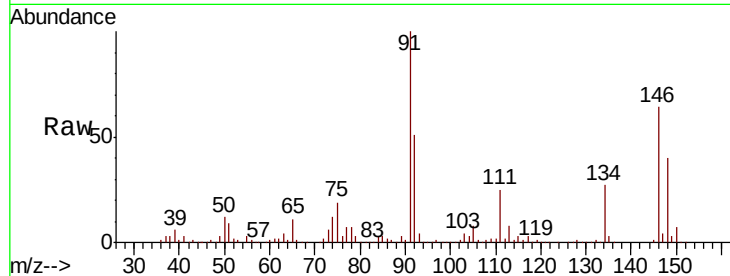
#89  
n-Butylbenzene  
Concen: 17.388 ug/l  
RT: 12.39 min Scan# 1843  
Delta R.T. -0.00 min  
Lab File: VX004815.D  
Acq: 28 Sep 2018 12:33

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0928MBS01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 91      | 100   | 175963 |       |       |
| 92      | 51.6  | 27.3   | 81.9  |       |
| 134     | 25.9  | 13.6   | 40.7  |       |

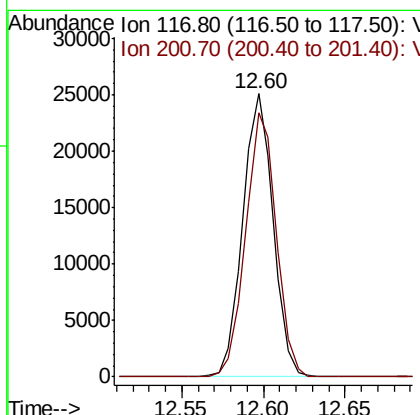
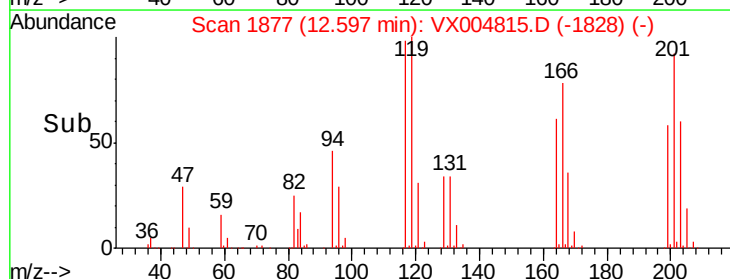
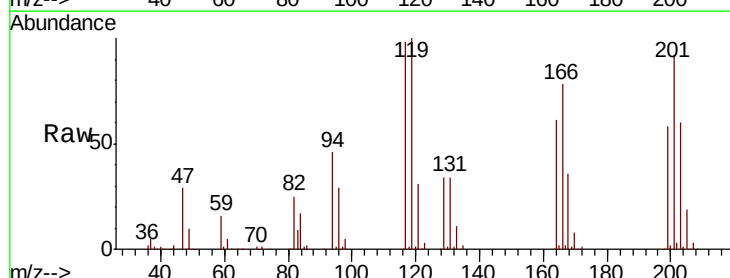
Manual Integrations  
APPROVED

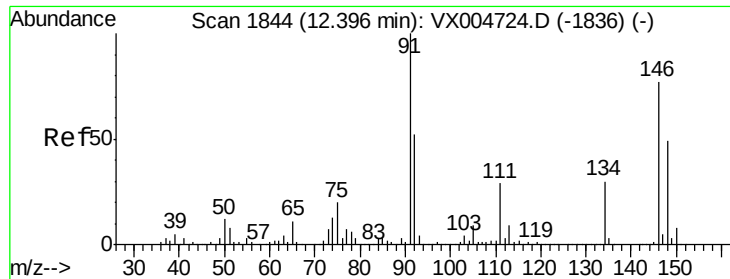
MMDadoda  
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#90  
Hexachloroethane  
Concen: 17.527 ug/l  
RT: 12.60 min Scan# 1877  
Delta R.T. -0.00 min  
Lab File: VX004815.D  
Acq: 28 Sep 2018 12:33

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 117     | 100   | 32516 |       |       |
| 201     | 94.2  | 46.9  | 140.6 |       |





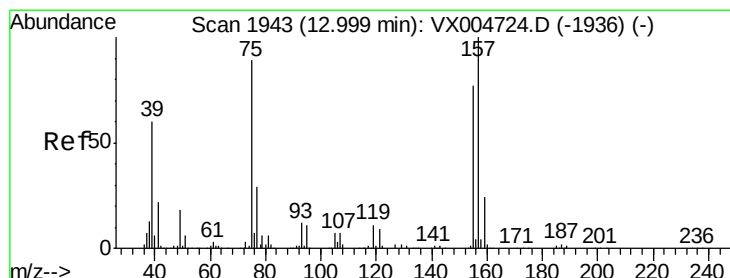
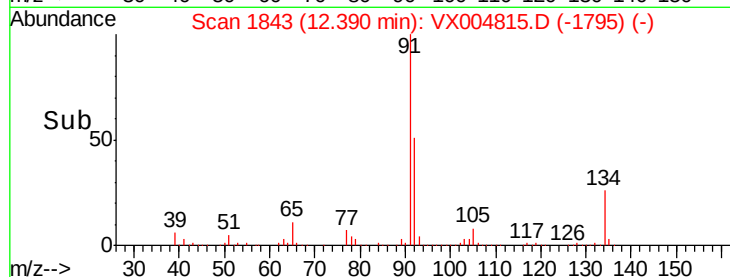
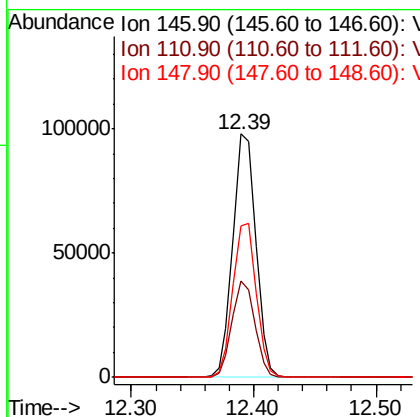
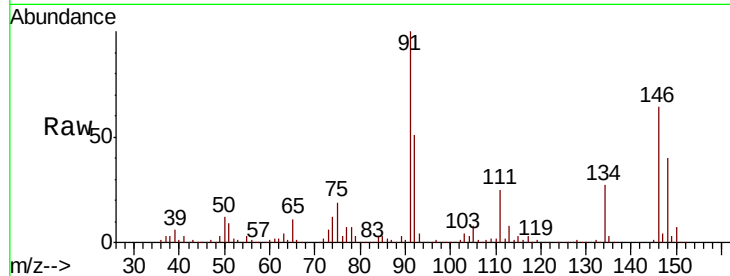
#91  
 1,2-Dichlorobenzene  
 Concen: 18.395 ug/l  
 RT: 12.39 min Scan# 1843  
 Delta R.T. -0.01 min  
 Lab File: VX004815.D  
 Acq: 28 Sep 2018 12:33

Instrument :  
 MSVOA\_X  
 ClientSampled :  
 VX0928MBS01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 146     | 100   | 127864 |       |       |
| 111     | 39.2  | 19.4   | 58.1  |       |
| 148     | 64.2  | 32.8   | 98.3  |       |

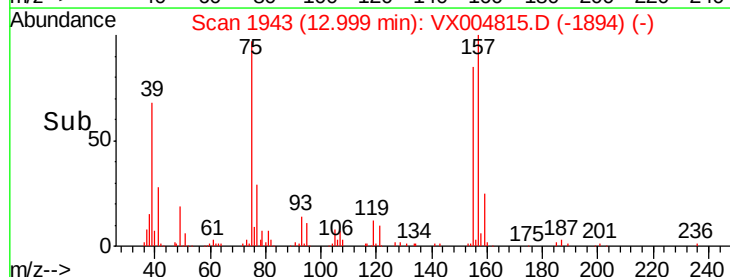
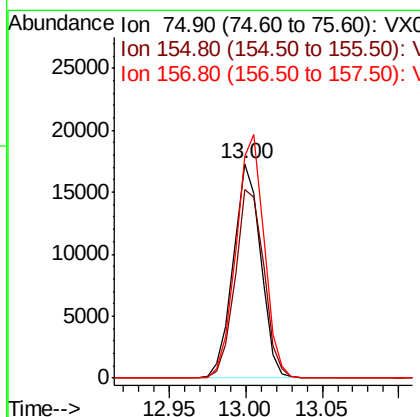
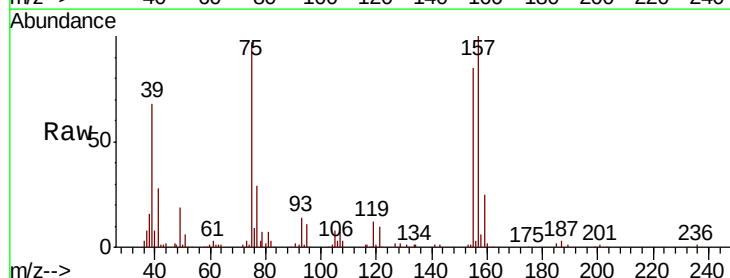
Manual Integrations  
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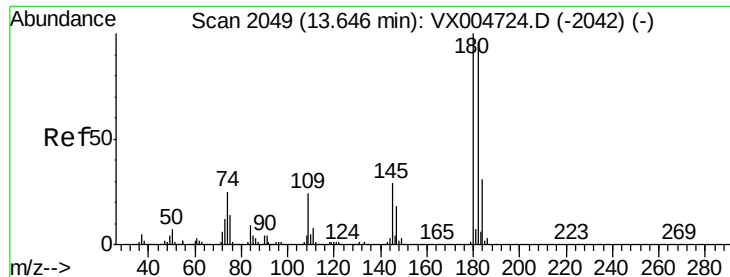
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#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 19.705 ug/l  
 RT: 13.00 min Scan# 1943  
 Delta R.T. -0.00 min  
 Lab File: VX004815.D  
 Acq: 28 Sep 2018 12:33

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 75      | 100   | 21599 |       |       |
| 155     | 91.7  | 48.0  | 144.2 |       |
| 157     | 115.3 | 61.4  | 184.1 |       |





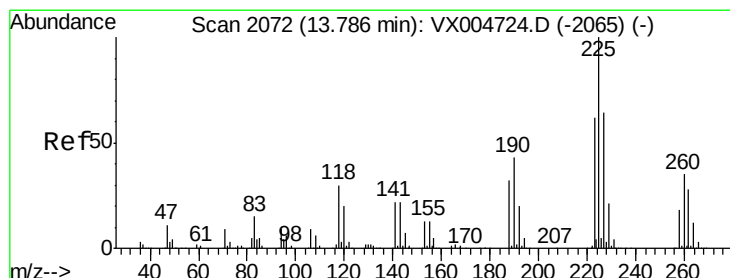
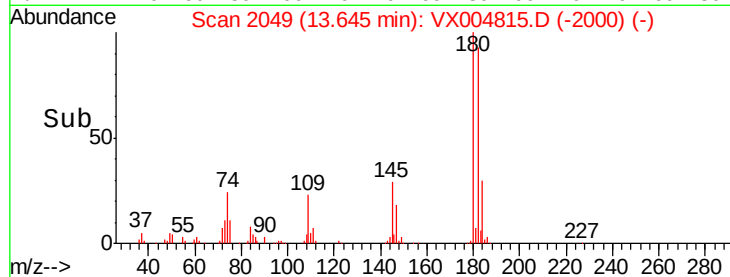
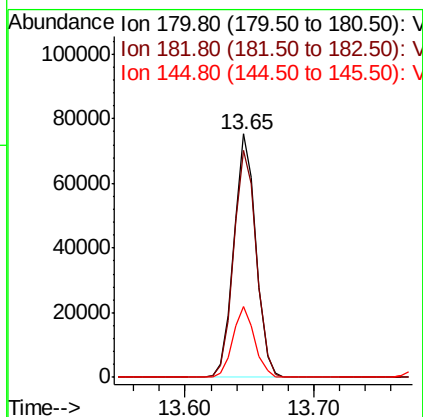
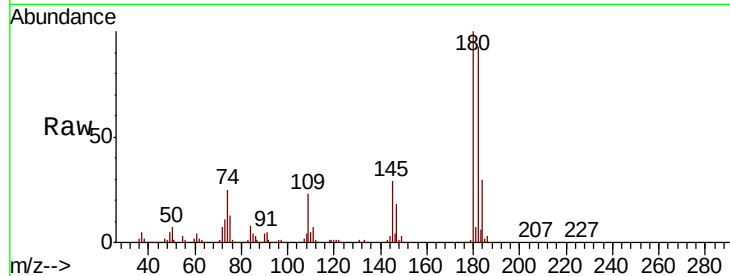
#93  
 1,2,4-Trichlorobenzene  
 Concen: 18.457 ug/l  
 RT: 13.65 min Scan# 2049  
 Delta R.T. -0.00 min  
 Lab File: VX004815.D  
 Acq: 28 Sep 2018 12:33

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0928MBS01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 180   | Resp: | 89997 |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 95.9  | 48.4  | 145.0 |
| 145       | 28.7  | 14.3  | 42.9  |

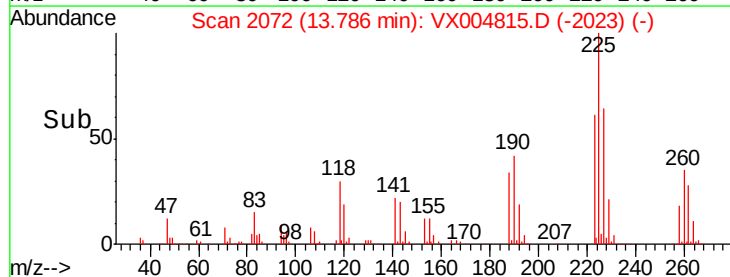
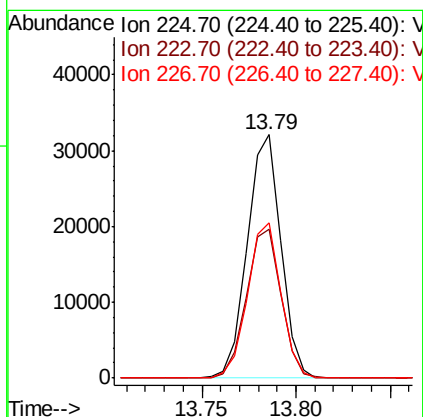
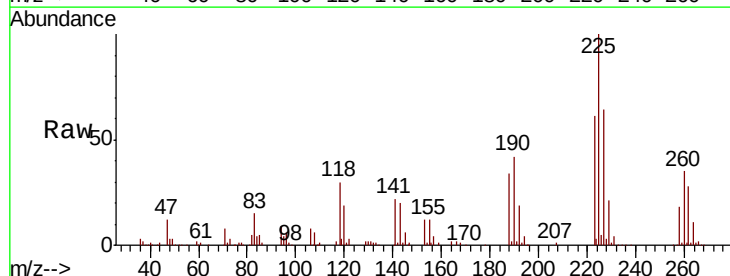
Manual Integrations  
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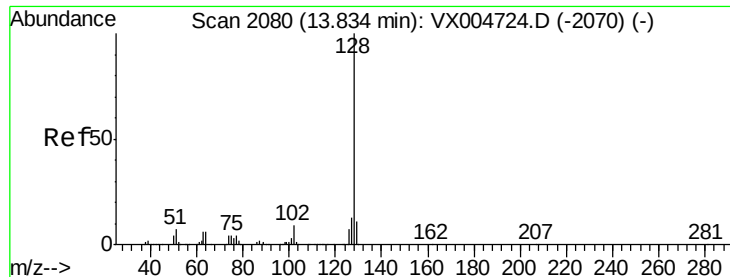
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#94  
 Hexachlorobutadiene  
 Concen: 15.691 ug/l  
 RT: 13.79 min Scan# 2072  
 Delta R.T. -0.00 min  
 Lab File: VX004815.D  
 Acq: 28 Sep 2018 12:33

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 225   | Resp: | 39675 |
| Ion Ratio | Lower | Upper |       |
| 225       | 100   |       |       |
| 223       | 62.8  | 30.1  | 90.5  |
| 227       | 63.3  | 30.8  | 92.4  |





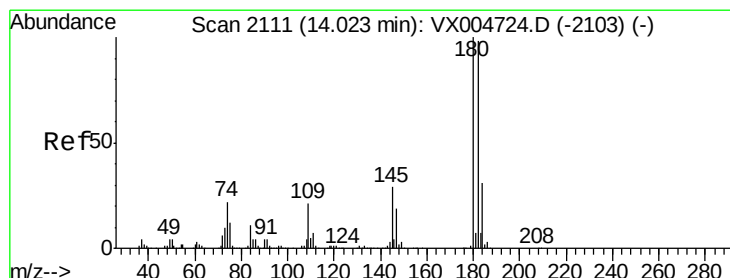
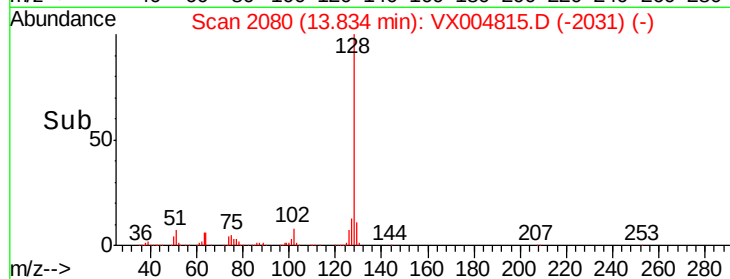
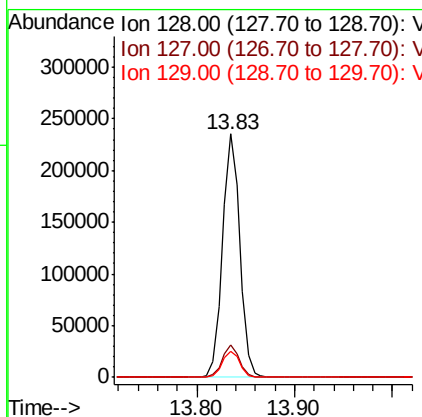
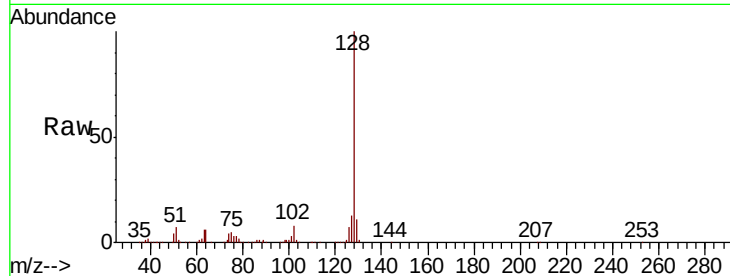
#95  
Naphthalene  
Concen: 18.318 ug/l  
RT: 13.83 min Scan# 2080  
Delta R.T. 0.00 min  
Lab File: VX004815.D  
Acq: 28 Sep 2018 12:33

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0928MBS01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 128     | 100   | 288975 |       |       |
| 127     | 13.0  |        | 10.2  | 15.2  |
| 129     | 10.9  |        | 8.6   | 12.8  |

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#96  
1,2,3-Trichlorobenzene  
Concen: 18.907 ug/l  
RT: 14.02 min Scan# 2111  
Delta R.T. -0.00 min  
Lab File: VX004815.D  
Acq: 28 Sep 2018 12:33

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 180     | 100   | 95235 |       |       |
| 182     | 94.0  |       | 48.5  | 145.6 |
| 145     | 29.2  |       | 14.9  | 44.9  |

