

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX103118\  
 Data File : VX005718.D  
 Acq On : 31 Oct 2018 20:49  
 Operator : JC/MD  
 Sample : VX1031MBSD01  
 Misc : 5.0µl/10ml/100ul/5.00mL/MSVOA\_X/MEOH  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX1031MBSD01

Manual Integrations  
 APPROVED

MMDadoda  
 11/1/2018 9:49:42 AM

Quant Time: Oct 31 23:08:36 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X103118W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Oct 31 18:23:06 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.67  | 168  | 138632   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.85  | 114  | 227192   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.12 | 117  | 202305   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152  | 102579   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |        |      |
|---------------------------|--------|-----|----------|-------|--------|------|
| 33) 1,2-Dichloroethane-d4 | 6.07   | 65  | 93205    | 45.99 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 91.98% |      |
| 35) Dibromofluoromethane  | 5.51   | 113 | 76600    | 48.69 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 97.38% |      |
| 50) Toluene-d8            | 8.71   | 98  | 264062   | 47.86 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 95.72% |      |
| 62) 4-Bromofluorobenzene  | 11.14  | 95  | 96494    | 47.39 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 94.78% |      |

## Target Compounds

|                               |      |     |        |         |        | Qvalue |
|-------------------------------|------|-----|--------|---------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.20 | 85  | 35168  | 21.959  | ug/l   | 94     |
| 3) Chloromethane              | 1.32 | 50  | 37332  | 19.763  | ug/l   | 100    |
| 4) Vinyl Chloride             | 1.40 | 62  | 39154  | 19.922  | ug/l   | 99     |
| 5) Bromomethane               | 1.64 | 94  | 41769  | 17.128  | ug/l   | 99     |
| 6) Chloroethane               | 1.72 | 64  | 24050  | 20.901  | ug/l   | 100    |
| 7) Trichlorofluoromethane     | 1.93 | 101 | 52217  | 20.699  | ug/l   | 94     |
| 8) Diethyl Ether              | 2.19 | 74  | 22402  | 19.757  | ug/l   | 91     |
| 9) 1,1,2-Trichlorotrifluoroet | 2.39 | 101 | 30430  | 19.859  | ug/l   | 93     |
| 10) Methyl Iodide             | 2.51 | 142 | 26117  | 18.771  | ug/l   | 98     |
| 11) Tert butyl alcohol        | 3.07 | 59  | 57234  | 103.981 | ug/l   | 99     |
| 12) 1,1-Dichloroethene        | 2.37 | 96  | 29103  | 19.491  | ug/l   | 92     |
| 13) Acrolein                  | 2.29 | 56  | 31211  | 87.571  | ug/l   | 96     |
| 14) Allyl chloride            | 2.73 | 41  | 56445  | 18.282  | ug/l # | 92     |
| 15) Acrylonitrile             | 3.15 | 53  | 113813 | 94.030  | ug/l   | 98     |
| 16) Acetone                   | 2.45 | 43  | 95335  | 85.340  | ug/l # | 89     |
| 17) Carbon Disulfide          | 2.57 | 76  | 84181  | 18.347  | ug/l   | 100    |
| 18) Methyl Acetate            | 2.78 | 43  | 52763  | 18.139  | ug/l   | 94     |
| 19) Methyl tert-butyl Ether   | 3.20 | 73  | 108628 | 21.017  | ug/l   | 98     |
| 20) Methylene Chloride        | 2.85 | 84  | 33592  | 19.219  | ug/l   | 97     |
| 21) trans-1,2-Dichloroethene  | 3.17 | 96  | 30591  | 19.362  | ug/l   | 94     |
| 22) Diisopropyl ether         | 3.87 | 45  | 112897 | 19.712  | ug/l # | 94     |
| 23) Vinyl Acetate             | 3.82 | 43  | 490845 | 98.394  | ug/l   | 96     |
| 24) 1,1-Dichloroethane        | 3.69 | 63  | 61457  | 18.977  | ug/l   | 97     |
| 25) 2-Butanone                | 4.70 | 43  | 161439 | 94.423  | ug/l   | 96     |
| 26) 2,2-Dichloropropane       | 4.59 | 77  | 43674  | 18.040  | ug/l   | 99     |
| 27) cis-1,2-Dichloroethene    | 4.59 | 96  | 35712  | 20.115  | ug/l   | 99     |
| 28) Bromochloromethane        | 5.02 | 49  | 26903  | 17.027  | ug/l   | 96     |
| 29) Tetrahydrofuran           | 5.15 | 42  | 102464 | 98.187  | ug/l   | 92     |
| 30) Chloroform                | 5.21 | 83  | 60031  | 18.959  | ug/l   | 99     |
| 31) Cyclohexane               | 5.57 | 56  | 55313  | 20.425  | ug/l   | 96     |
| 32) 1,1,1-Trichloroethane     | 5.49 | 97  | 48911  | 19.302  | ug/l   | 95     |
| 36) 1,1-Dichloropropene       | 5.80 | 75  | 46846  | 19.353  | ug/l   | 99     |
| 37) Ethyl Acetate             | 4.85 | 43  | 57883  | 18.744  | ug/l   | 97     |
| 38) Carbon Tetrachloride      | 5.78 | 117 | 42013  | 19.211  | ug/l   | 97     |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX103118\  
 Data File : VX005718.D  
 Acq On : 31 Oct 2018 20:49  
 Operator : JC/MD  
 Sample : VX1031MBS01  
 Misc : 5.0µl/10ml/100ul/5.00mL/MSVOA\_X/MEOH  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleID :  
 VX1031MBS01

Manual Integrations  
 APPROVED

MMDadoda  
 11/1/2018 9:49:42 AM

Quant Time: Oct 31 23:08:36 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X103118W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Oct 31 18:23:06 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 7.46  | 83   | 48969    | 19.398  | ug/l   | 98       |
| 40) Benzene                    | 6.15  | 78   | 137362   | 19.075  | ug/l   | 99       |
| 41) Methacrylonitrile          | 5.06  | 41   | 30790    | 18.453  | ug/l   | 92       |
| 42) 1,2-Dichloroethane         | 6.20  | 62   | 51522    | 19.356  | ug/l   | 99       |
| 43) Isopropyl Acetate          | 6.46  | 43   | 84678    | 18.892  | ug/l   | 96       |
| 44) Trichloroethene            | 7.21  | 130  | 31106    | 18.677  | ug/l   | 87       |
| 45) 1,2-Dichloropropane        | 7.52  | 63   | 35582    | 19.281  | ug/l   | 95       |
| 46) Dibromomethane             | 7.66  | 93   | 21919    | 18.585  | ug/l   | 88       |
| 47) Bromodichloromethane       | 7.90  | 83   | 40965    | 18.518  | ug/l   | 99       |
| 48) Methyl methacrylate        | 7.77  | 41   | 40508    | 18.673  | ug/l   | 92       |
| 49) 1,4-Dioxane                | 7.76  | 88   | 18525    | 383.491 | ug/l   | 98       |
| 51) 4-Methyl-2-Pentanone       | 8.65  | 43   | 288565   | 94.419  | ug/l   | 97       |
| 52) Toluene                    | 8.79  | 92   | 78635    | 20.188  | ug/l   | 97       |
| 53) t-1,3-Dichloropropene      | 9.04  | 75   | 44281    | 18.470  | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene    | 8.44  | 75   | 50482    | 19.654  | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane      | 9.21  | 97   | 33496    | 19.802  | ug/l   | 97       |
| 56) Ethyl methacrylate         | 9.18  | 69   | 51194    | 19.419  | ug/l   | 96       |
| 57) 1,3-Dichloropropane        | 9.37  | 76   | 55883    | 19.232  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether  | 8.32  | 63   | 141534   | 93.535  | ug/l   | 95       |
| 59) 2-Hexanone                 | 9.49  | 43   | 226224   | 90.957  | ug/l   | 94       |
| 60) Dibromochloromethane       | 9.59  | 129  | 30030    | 18.372  | ug/l   | 99       |
| 61) 1,2-Dibromoethane          | 9.68  | 107  | 35045    | 20.332  | ug/l   | 98       |
| 64) Tetrachloroethene          | 9.34  | 164  | 30005    | 20.301  | ug/l   | 97       |
| 65) Chlorobenzene              | 10.14 | 112  | 83814    | 19.496  | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane  | 10.22 | 131  | 29176    | 19.825  | ug/l   | 97       |
| 67) Ethyl Benzene              | 10.25 | 91   | 146791   | 20.007  | ug/l   | 99       |
| 68) m/p-Xylenes                | 10.36 | 106  | 112298   | 41.191  | ug/l   | 97       |
| 69) o-Xylene                   | 10.70 | 106  | 53693    | 20.592  | ug/l   | 98       |
| 70) Styrene                    | 10.71 | 104  | 88531    | 20.442  | ug/l   | 98       |
| 71) Bromoform                  | 10.86 | 173  | 22105    | 18.538  | ug/l # | 98       |
| 73) Isopropylbenzene           | 11.02 | 105  | 144610   | 21.368  | ug/l   | 100      |
| 74) N-amyl acetate             | 10.90 | 43   | 71256    | 19.776  | ug/l   | 97       |
| 75) 1,1,2,2-Tetrachloroethane  | 11.27 | 83   | 54863    | 19.540  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane     | 11.30 | 75   | 51538m   | 20.173  | ug/l   |          |
| 77) Bromobenzene               | 11.26 | 156  | 35084    | 20.898  | ug/l   | 89       |
| 78) n-propylbenzene            | 11.36 | 91   | 174286   | 21.170  | ug/l   | 97       |
| 79) 2-Chlorotoluene            | 11.42 | 91   | 103512   | 21.051  | ug/l   | 96       |
| 80) 1,3,5-Trimethylbenzene     | 11.51 | 105  | 123823   | 21.549  | ug/l   | 98       |
| 81) trans-1,4-Dichloro-2-buten | 11.07 | 75   | 14642    | 18.517  | ug/l   | 94       |
| 82) 4-Chlorotoluene            | 11.51 | 91   | 123016   | 20.956  | ug/l   | 96       |
| 83) tert-Butylbenzene          | 11.77 | 119  | 116923   | 21.326  | ug/l   | 96       |
| 84) 1,2,4-Trimethylbenzene     | 11.81 | 105  | 126696   | 21.835  | ug/l   | 97       |
| 85) sec-Butylbenzene           | 11.94 | 105  | 147740   | 21.007  | ug/l   | 97       |
| 86) p-Isopropyltoluene         | 12.07 | 119  | 126363   | 21.126  | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene        | 12.02 | 146  | 65555    | 20.195  | ug/l   | 97       |
| 88) 1,4-Dichlorobenzene        | 12.10 | 146  | 66999    | 19.213  | ug/l   | 97       |
| 89) n-Butylbenzene             | 12.39 | 91   | 119571   | 19.813  | ug/l   | 98       |
| 90) Hexachloroethane           | 12.60 | 117  | 19884    | 18.737  | ug/l   | 84       |
| 91) 1,2-Dichlorobenzene        | 12.39 | 146  | 65307    | 19.258  | ug/l   | 97       |
| 92) 1,2-Dibromo-3-Chloropropan | 13.00 | 75   | 12945    | 19.658  | ug/l   | 88       |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX103118\  
Data File : VX005718.D  
Acq On : 31 Oct 2018 20:49  
Operator : JC/MD  
Sample : VX1031MBSD01  
Misc : 5.0µl/10ml/100ul/5.00mL/MSVOA\_X/MEOH  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1031MBSD01

Manual Integrations  
APPROVED

MMDadoda  
11/1/2018 9:49:42 AM

Quant Time: Oct 31 23:08:36 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X103118W.M  
Quant Title : SW846 8260  
QLast Update : Wed Oct 31 18:23:06 2018  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 13.65 | 180  | 44131    | 20.290 | ug/l  | 97       |
| 94) Hexachlorobutadiene    | 13.79 | 225  | 20091    | 19.094 | ug/l  | 98       |
| 95) Naphthalene            | 13.83 | 128  | 156002   | 21.809 | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 14.02 | 180  | 45964    | 20.758 | ug/l  | 99       |

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

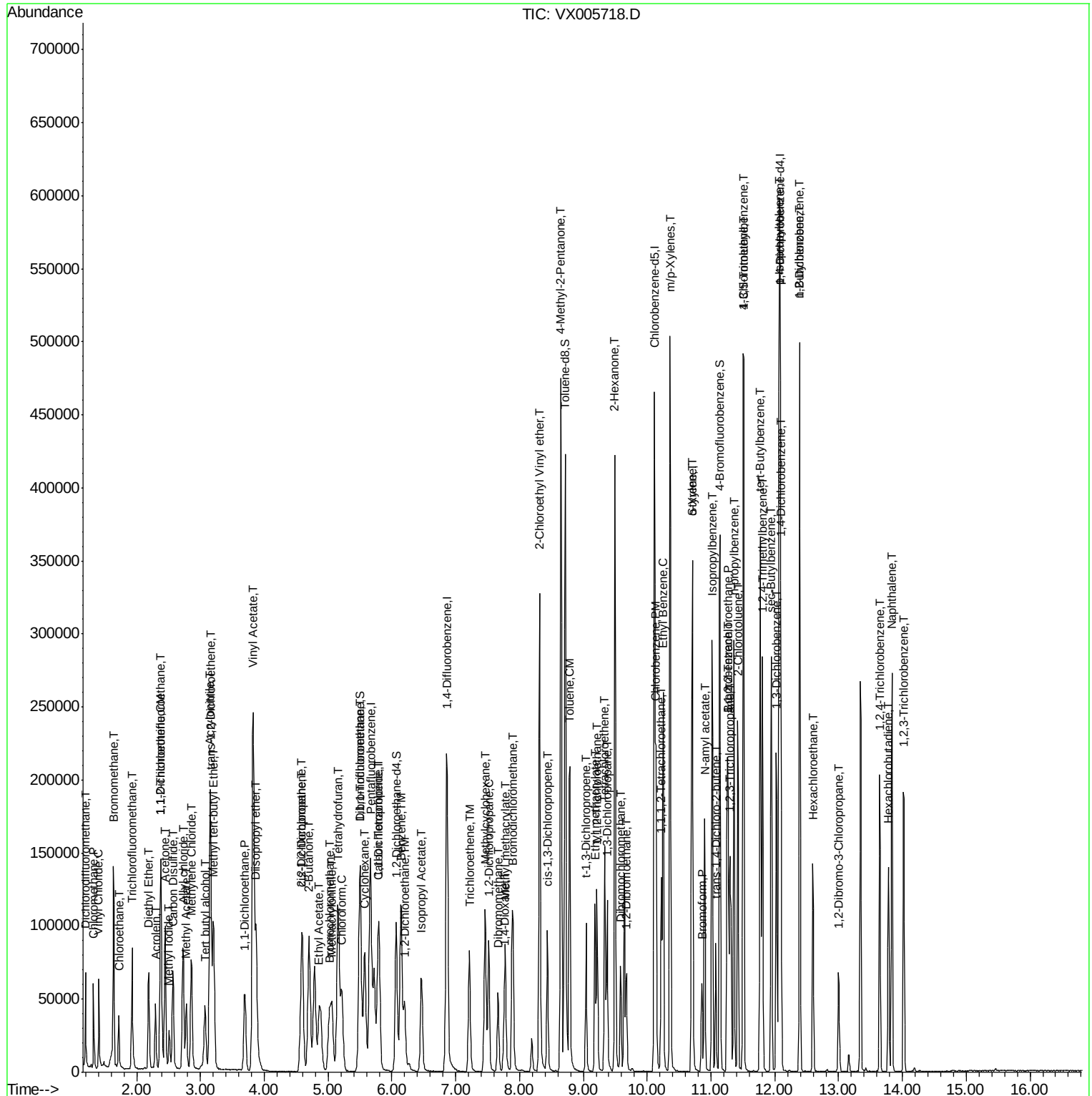
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Data File : VX005718.D  
Acq On : 31 Oct 2018 20:49  
Operator : JC/MD  
Sample : VX1031MBSD01  
Misc : 5.0µl/10ml/100ul/5.00mL/MSVOA\_X/MEOH  
ALS Vial : 15 Sample Multiplier: 1

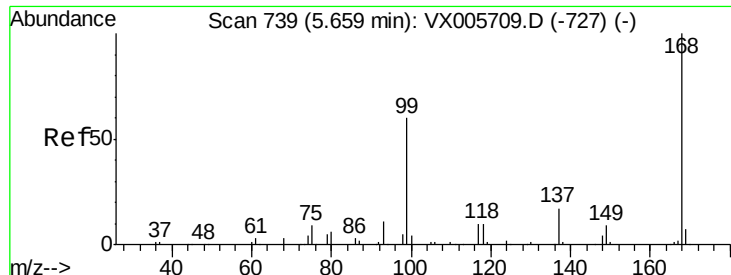
Instrument :  
MSVOA\_X  
Client Sampled :  
VX1031MBSD01

Manual Integrations  
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11/1/2018 9:49:42 AM

Quant Time: Oct 31 23:08:36 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X103118W.M  
Quant Title : SW846 8260  
QLast Update : Wed Oct 31 18:23:06 2018  
Response via : Initial Calibration





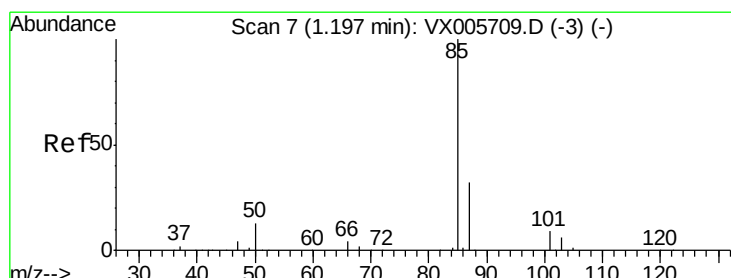
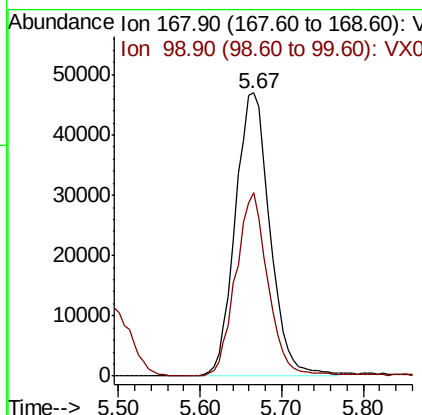
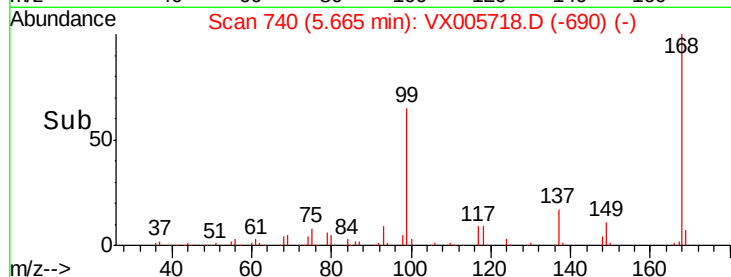
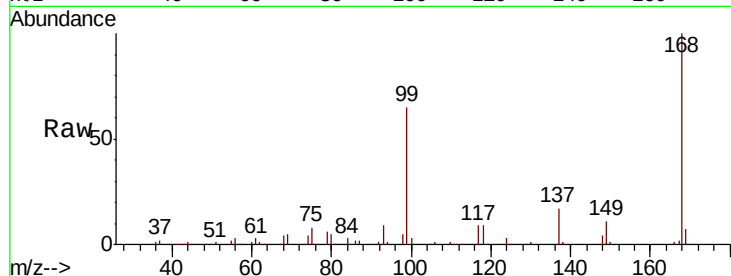
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Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.67 min Scan# 740  
Delta R.T. 0.01 min  
Lab File: VX005718.D  
Acq: 31 Oct 2018 20:49

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1031MBS01

Tot Ion:168 Resp: 138632  
Ion Ratio Lower Upper  
168 100  
99 64.7 40.7 61.1#

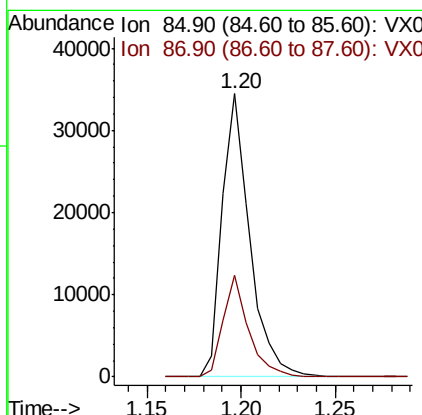
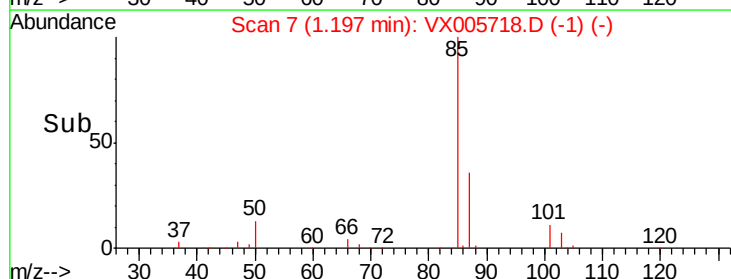
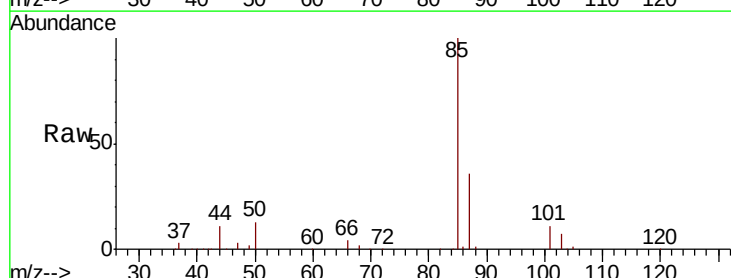
Manual Integrations  
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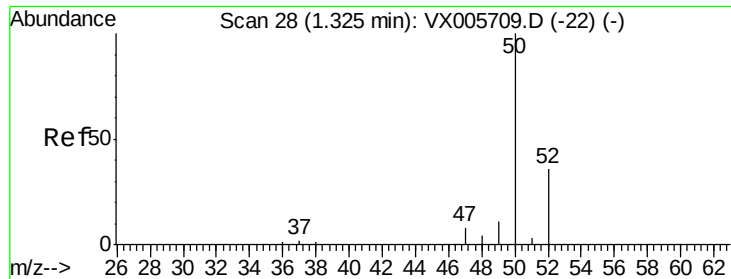
MMDadoda  
11/1/2018 9:49:42 AM



#2  
Dichlorodifluoromethane  
Concen: 21.959 ug/l  
RT: 1.20 min Scan# 7  
Delta R.T. 0.00 min  
Lab File: VX005718.D  
Acq: 31 Oct 2018 20:49

Tgt Ion: 85 Resp: 35168  
Ion Ratio Lower Upper  
85 100  
87 36.1 16.3 48.9





#3

Chloromethane

Concen: 19.763 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX005718.D

Acq: 31 Oct 2018 20:49

Instrument :

MSVOA\_X

ClientSampleId :

VX1031MBSD01

Tot Ion: 50 Resp: 37332

Ion Ratio Lower Upper

50 100

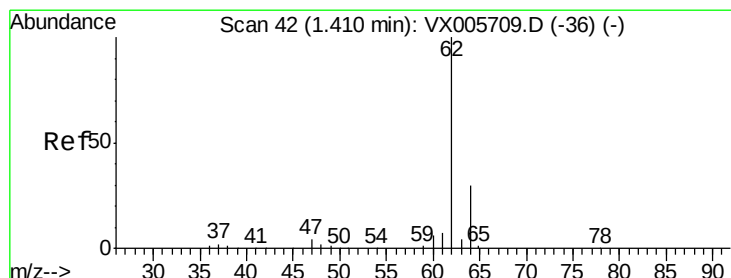
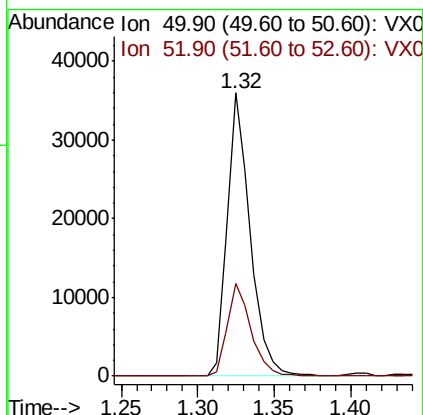
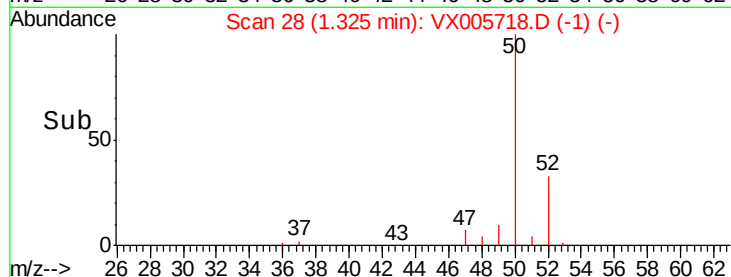
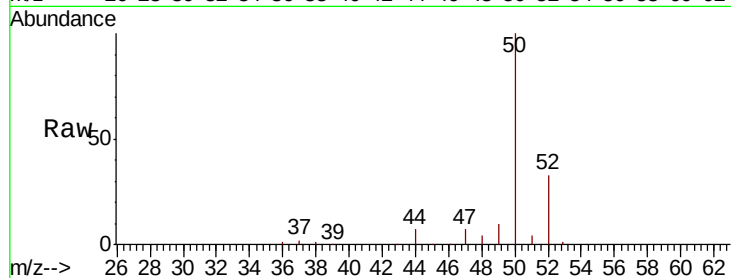
52 32.9 26.2 39.2

Manual Integrations

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11/1/2018 9:49:42 AM



#4

Vinyl Chloride

Concen: 19.922 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.01 min

Lab File: VX005718.D

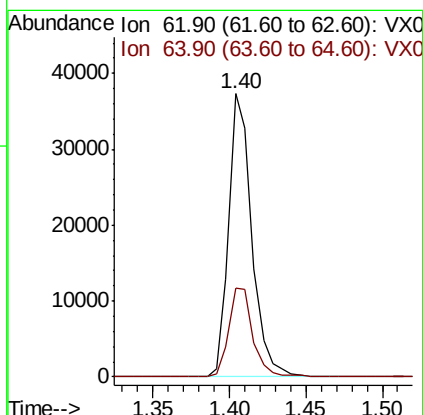
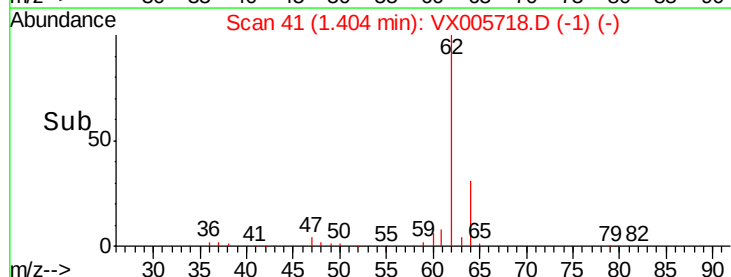
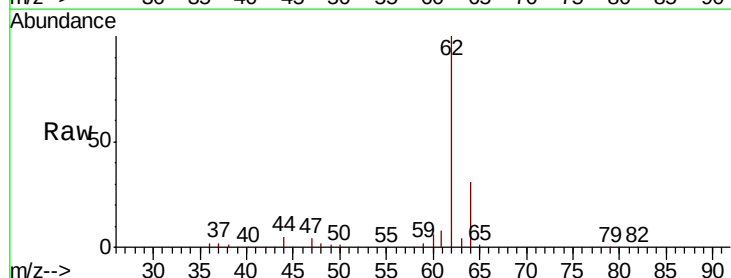
Acq: 31 Oct 2018 20:49

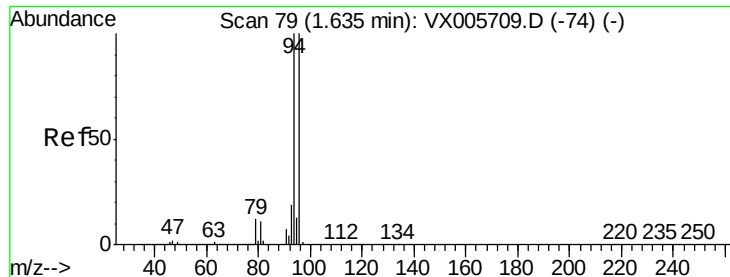
Tgt Ion: 62 Resp: 39154

Ion Ratio Lower Upper

62 100

64 31.3 25.3 37.9





#5

Bromomethane

Concen: 17.128 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX005718.D

Acq: 31 Oct 2018 20:49

Instrument :

MSVOA\_X

ClientSampleId :

VX1031MBSD01

Tot Ion: 94 Resp: 41769

Ion Ratio Lower Upper

94 100

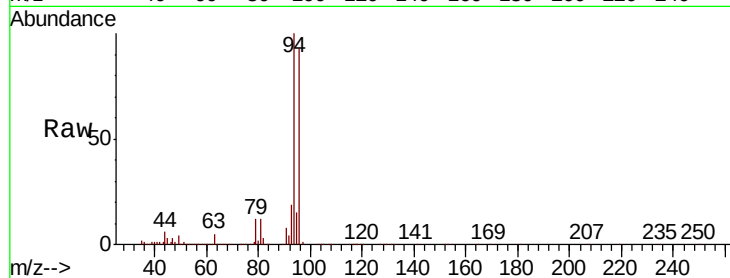
96 93.3 75.2 112.8

Manual Integrations

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11/1/2018 9:49:42 AM



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

50000

40000

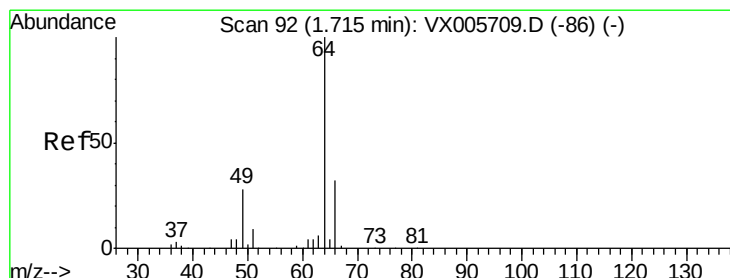
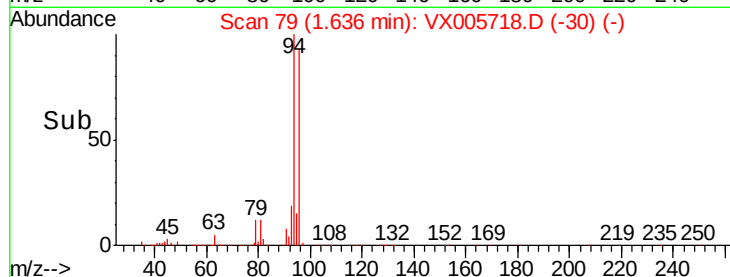
30000

20000

10000

0

Time-->



#6

Chloroethane

Concen: 20.901 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX005718.D

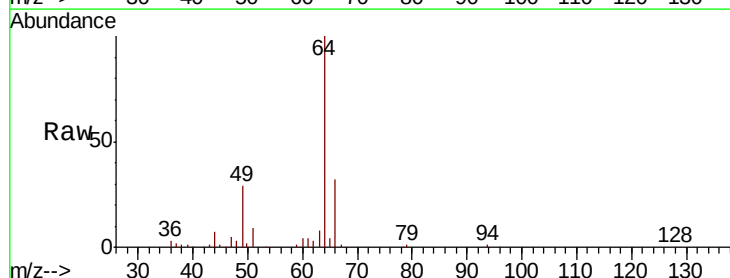
Acq: 31 Oct 2018 20:49

Tgt Ion: 64 Resp: 24050

Ion Ratio Lower Upper

64 100

66 32.3 25.8 38.6



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

20000

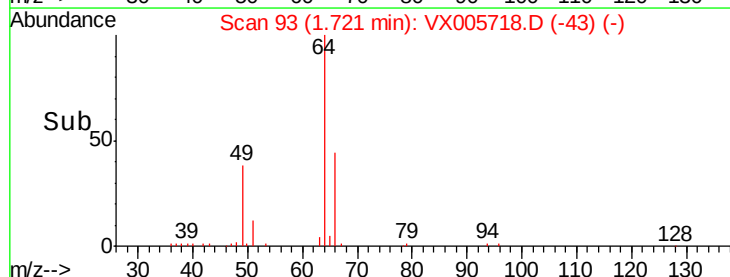
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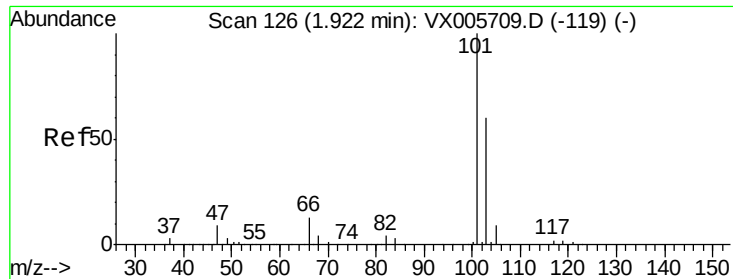
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0

Time-->







#7

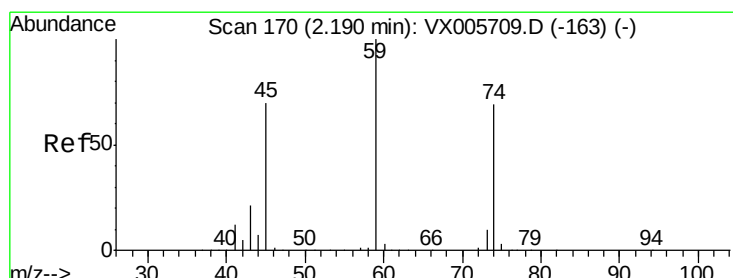
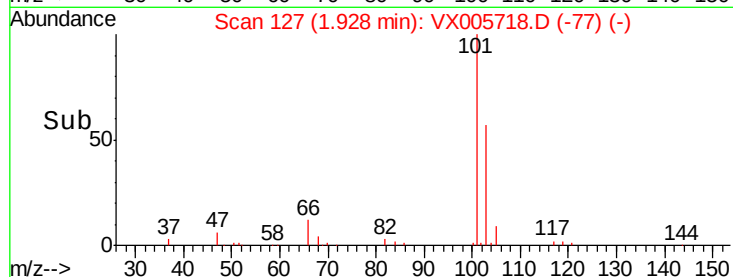
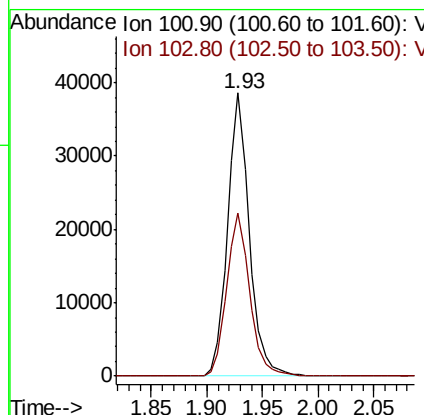
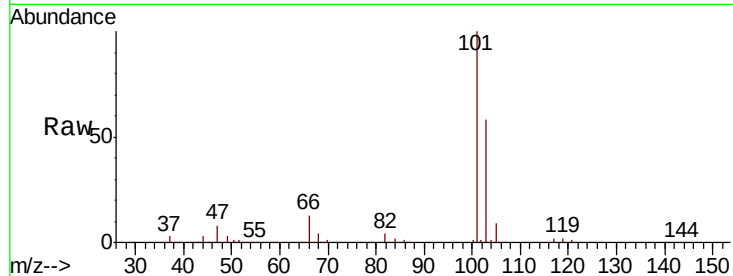
Trichlorofluoromethane  
 Concen: 20.699 ug/l  
 RT: 1.93 min Scan# 127  
 Delta R.T. 0.01 min  
 Lab File: VX005718.D  
 Acq: 31 Oct 2018 20:49

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX1031MBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 57.6  | 50.0  | 75.0  |

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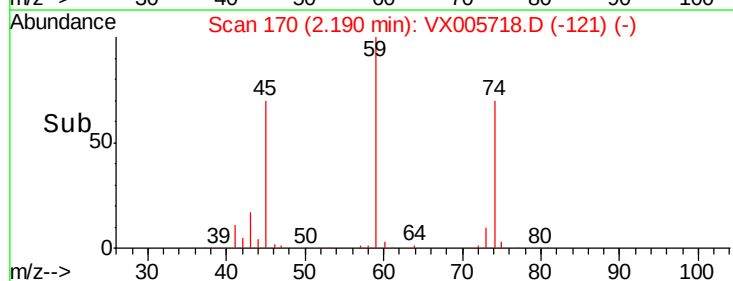
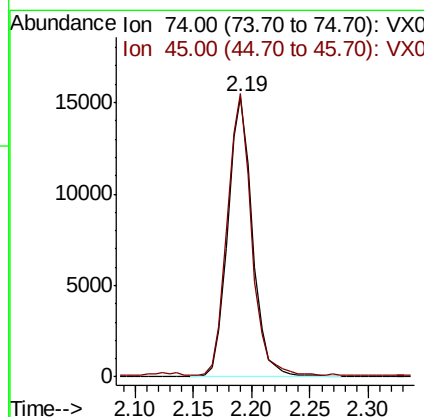
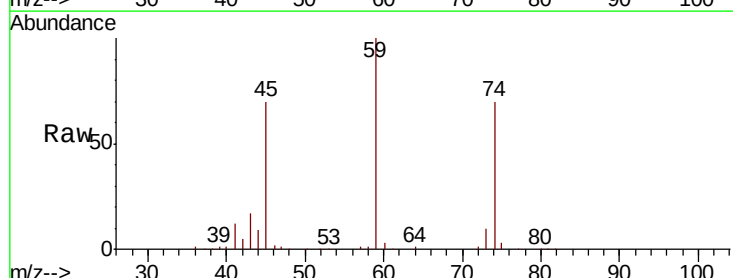
MMDadoda  
 11/1/2018 9:49:42 AM



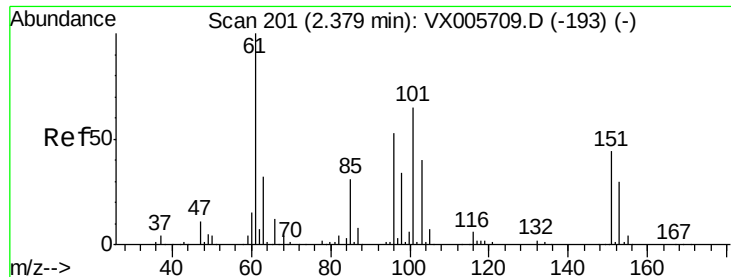
#8

Diethyl Ether  
 Concen: 19.757 ug/l  
 RT: 2.19 min Scan# 170  
 Delta R.T. 0.00 min  
 Lab File: VX005718.D  
 Acq: 31 Oct 2018 20:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 99.1  | 54.1  | 162.3 |







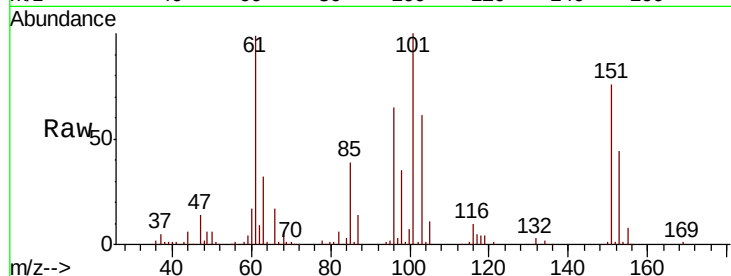
#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 19.859 ug/l  
RT: 2.39 min Scan# 202  
Delta R.T. 0.01 min  
Lab File: VX005718.D  
Acq: 31 Oct 2018 20:49

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1031MBSD01

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 101     | 100   | 30430 |       |       |
| 85      | 44.9  | 35.0  | 52.4  |       |
| 151     | 74.4  | 66.2  | 99.2  |       |

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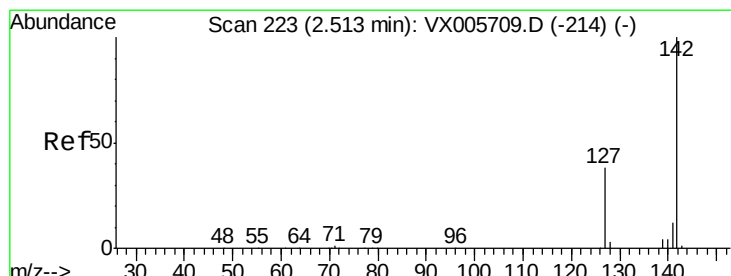
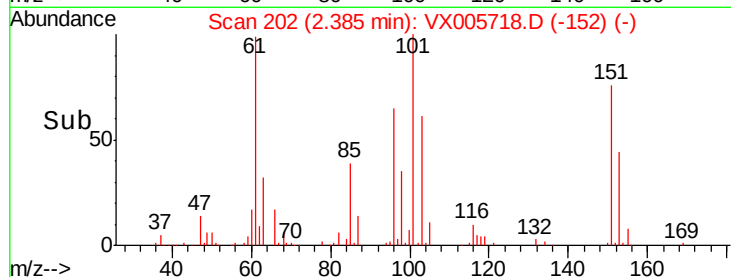
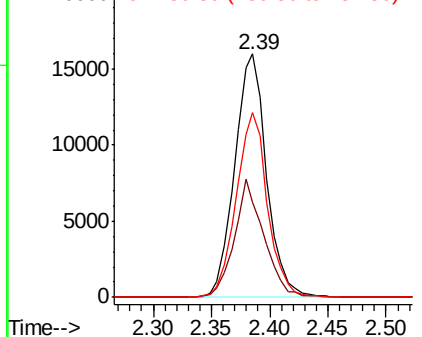


Abundance

Ion 100.90 (100.60 to 101.60): V

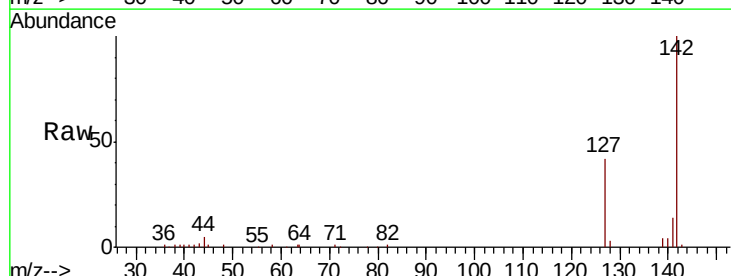
Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10  
Methyl Iodide  
Concen: 18.771 ug/l  
RT: 2.51 min Scan# 222  
Delta R.T. -0.01 min  
Lab File: VX005718.D  
Acq: 31 Oct 2018 20:49

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 142     | 100   | 26117 |       |       |
| 127     | 43.7  | 36.0  | 54.0  |       |
| 141     | 14.8  | 11.7  | 17.5  |       |

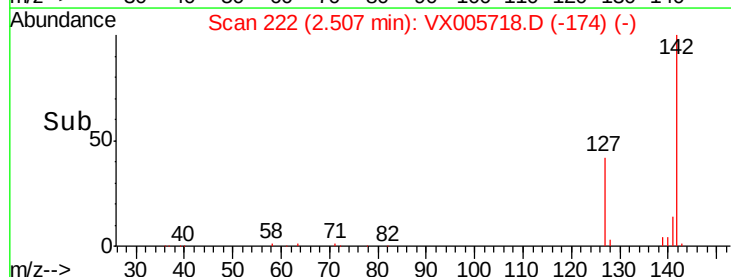
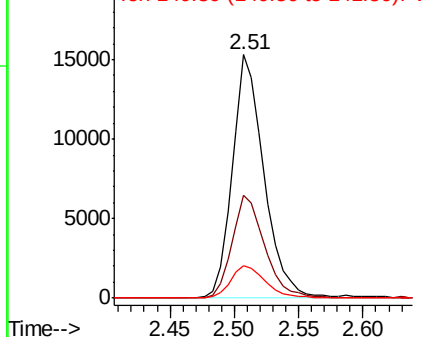


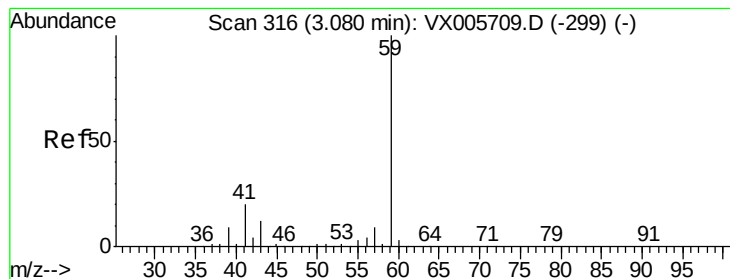
Abundance

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

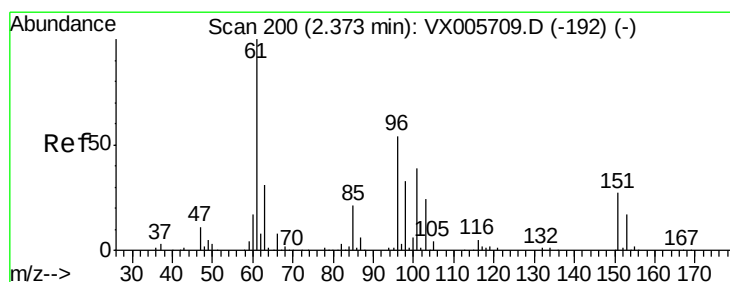
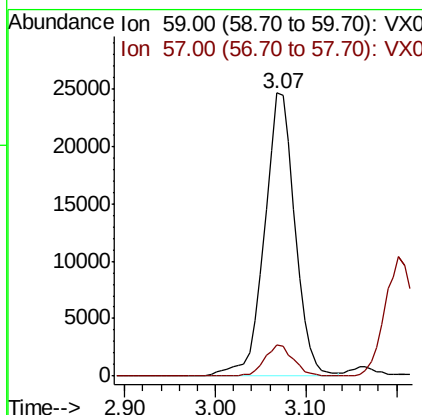
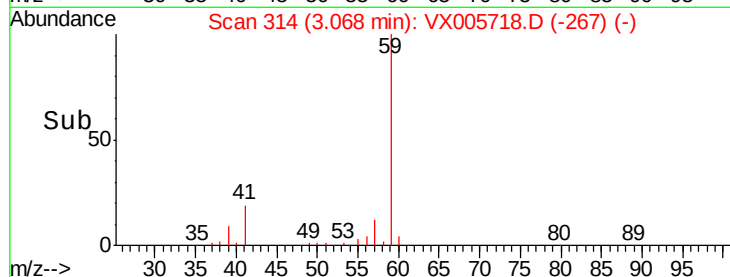
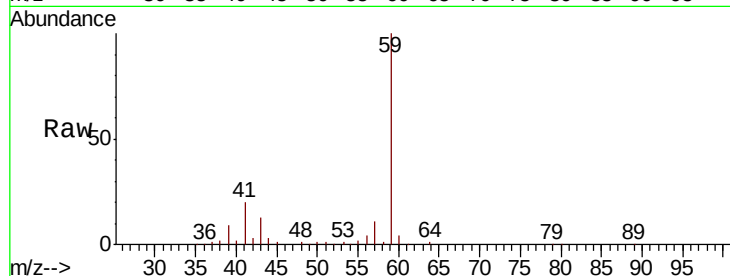
Tert butyl alcohol  
Concen: 103.981 ug/l  
RT: 3.07 min Scan# 314  
Delta R.T. -0.01 min  
Lab File: VX005718.D  
Acq: 31 Oct 2018 20:49

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1031MBSD01

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

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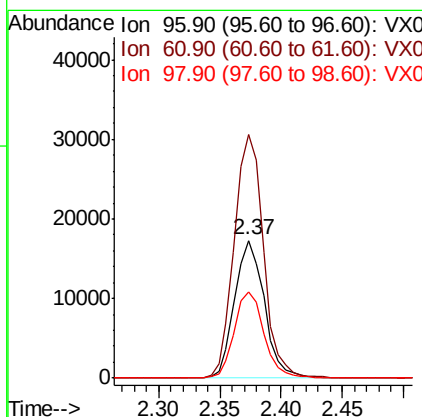
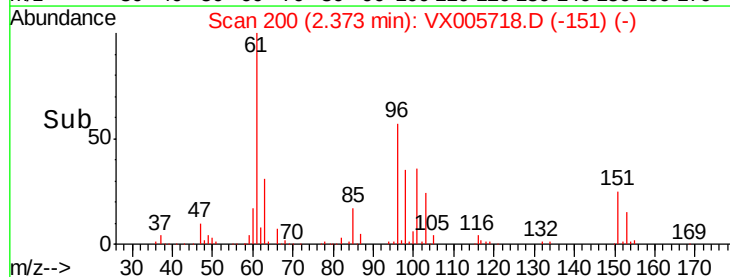
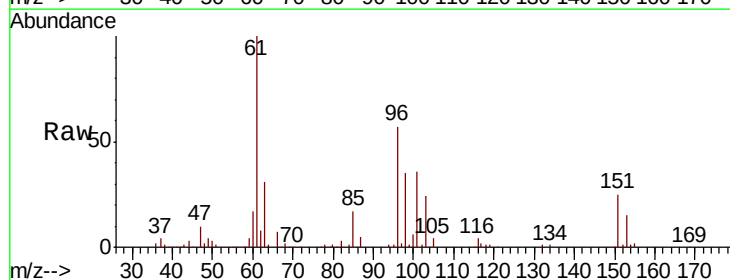
MMDadoda  
11/1/2018 9:49:42 AM

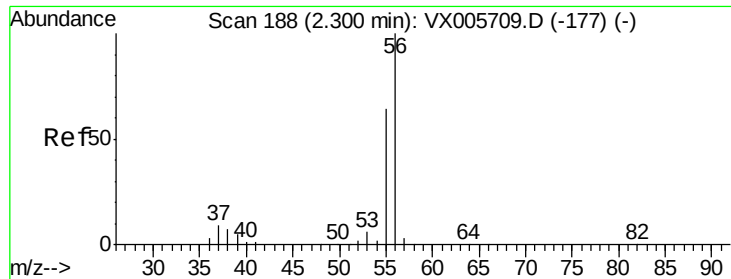


#12

1,1-Dichloroethene  
Concen: 19.491 ug/l  
RT: 2.37 min Scan# 200  
Delta R.T. 0.00 min  
Lab File: VX005718.D  
Acq: 31 Oct 2018 20:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 176.8 | 131.8 | 197.8 |
| 98      | 62.8  | 53.4  | 80.2  |





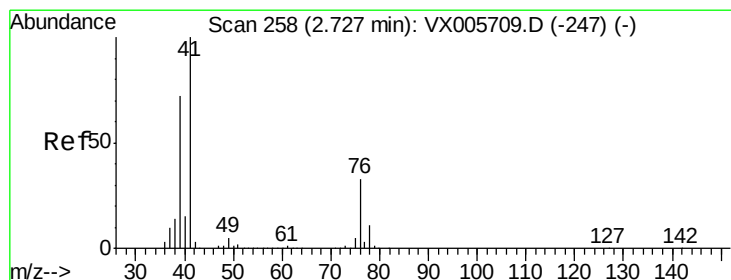
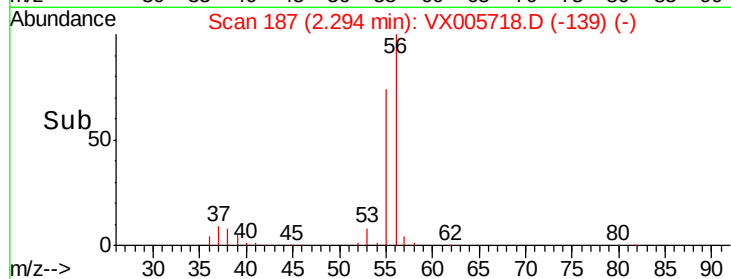
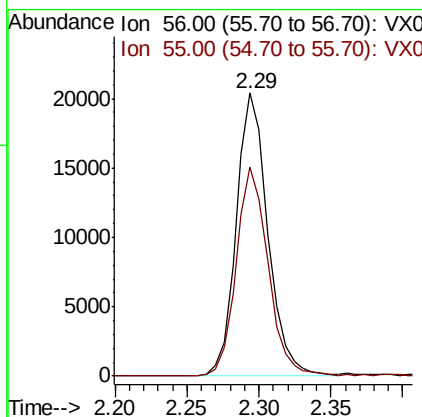
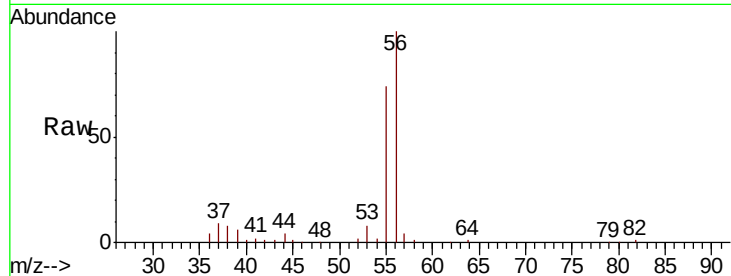
#13  
Acrolein  
Concen: 87.571 ug/l  
RT: 2.29 min Scan# 187  
Delta R.T. -0.01 min  
Lab File: VX005718.D  
Acq: 31 Oct 2018 20:49

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1031MBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 55      | 75.0  | 57.3  | 85.9  |

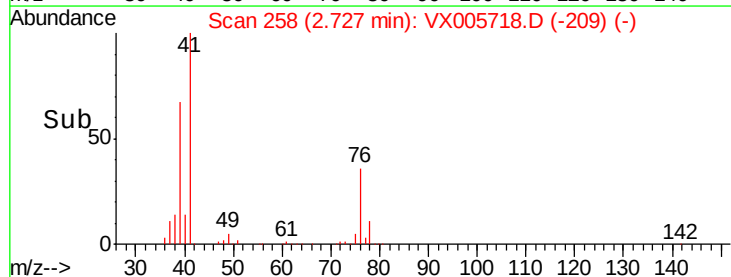
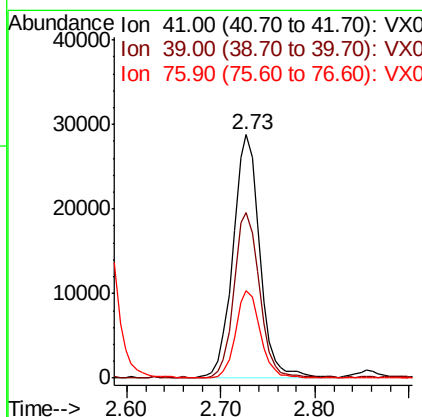
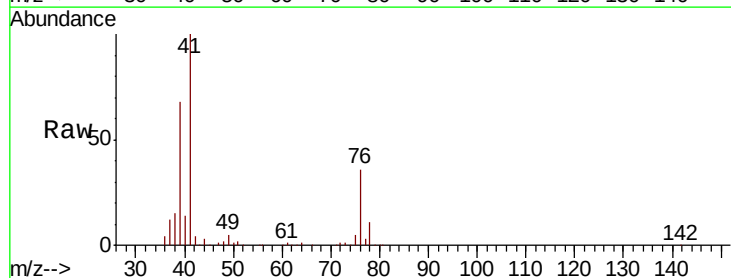
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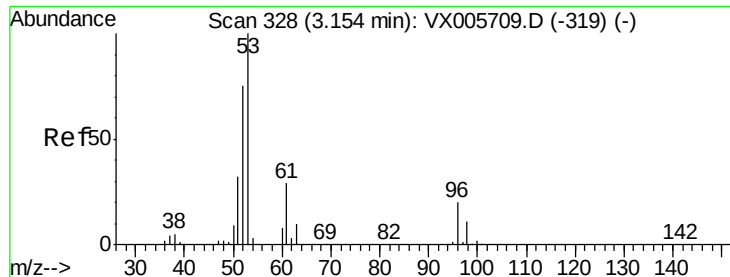
MMDadoda  
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#14  
Allyl chloride  
Concen: 18.282 ug/l  
RT: 2.73 min Scan# 258  
Delta R.T. 0.00 min  
Lab File: VX005718.D  
Acq: 31 Oct 2018 20:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 41      | 100   |       |       |
| 39      | 64.7  | 48.2  | 72.4  |
| 76      | 33.5  | 21.9  | 32.9# |





#15

Acrylonitrile

Concen: 94.030 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.01 min

Lab File: VX005718.D

Acq: 31 Oct 2018 20:49

Instrument :

MSVOA\_X

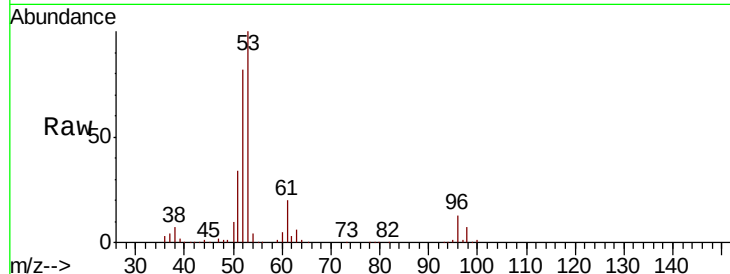
ClientSampleId :

VX1031MBSD01

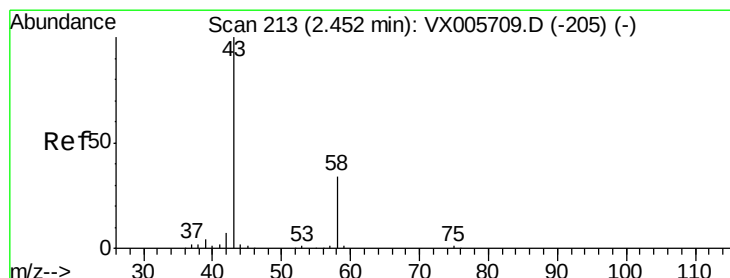
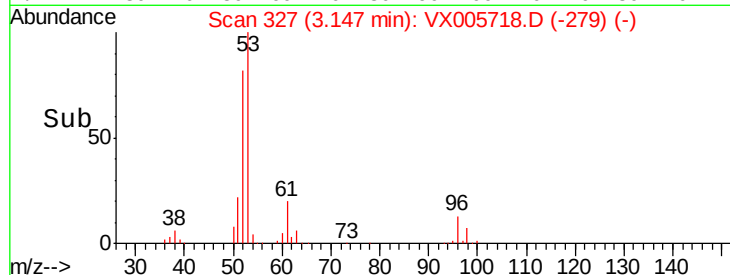
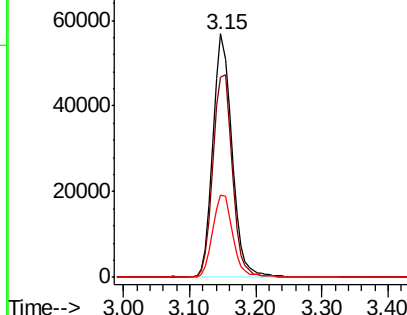
|           |      |       |        |
|-----------|------|-------|--------|
| Tot Ion:  | 53   | Resp: | 113813 |
| Ion Ratio |      | Lower | Upper  |
| 53        | 100  |       |        |
| 52        | 84.9 | 66.6  | 99.8   |
| 51        | 36.2 | 28.4  | 42.6   |

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Abundance Ion 53.00 (52.70 to 53.70): VX0  
Ion 52.00 (51.70 to 52.70): VX0  
Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 85.340 ug/l

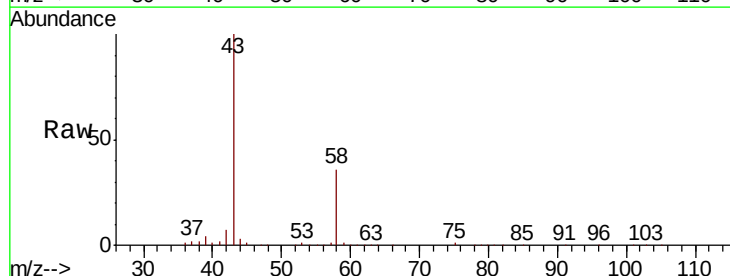
RT: 2.45 min Scan# 212

Delta R.T. -0.01 min

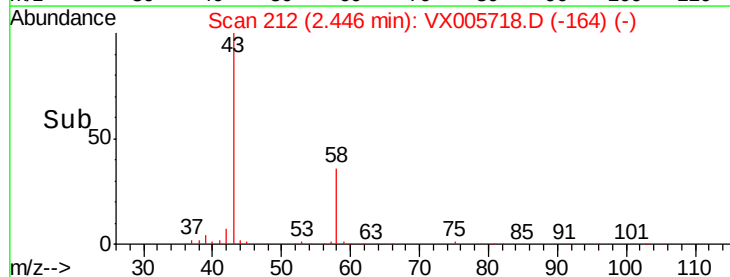
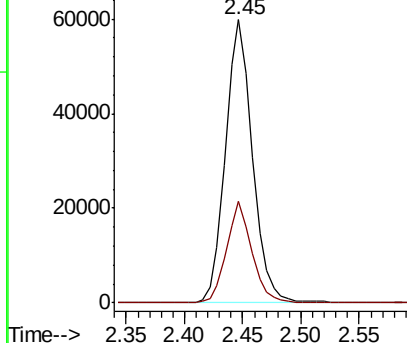
Lab File: VX005718.D

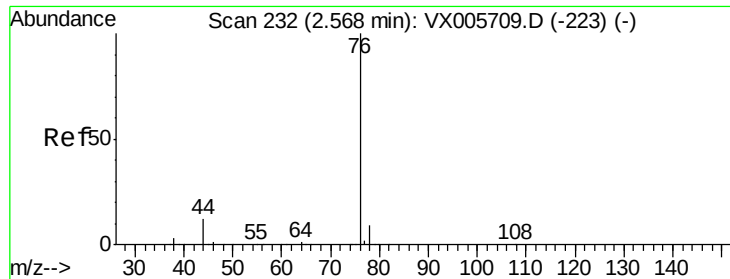
Acq: 31 Oct 2018 20:49

|           |      |       |       |
|-----------|------|-------|-------|
| Tgt Ion:  | 43   | Resp: | 95335 |
| Ion Ratio |      | Lower | Upper |
| 43        | 100  |       |       |
| 58        | 35.8 | 23.8  | 35.6# |



Abundance Ion 43.00 (42.70 to 43.70): VX0  
Ion 58.00 (57.70 to 58.70): VX0





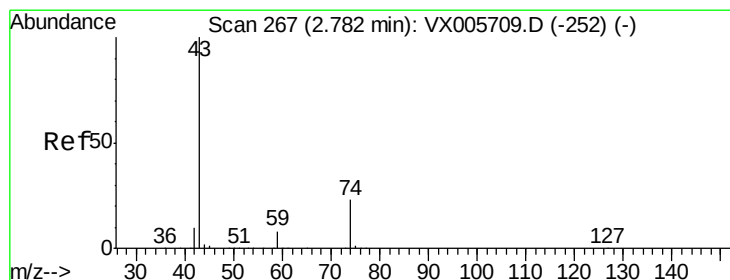
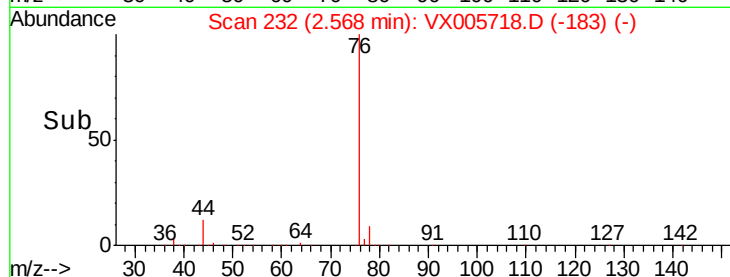
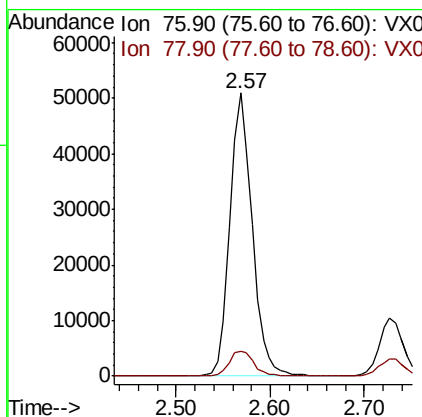
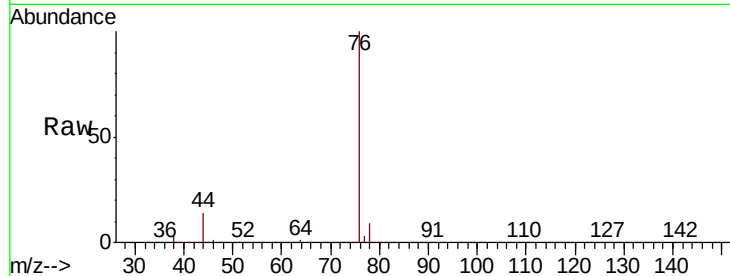
#17  
Carbon Disulfide  
Concen: 18.347 ug/l  
RT: 2.57 min Scan# 232  
Delta R.T. 0.00 min  
Lab File: VX005718.D  
Acq: 31 Oct 2018 20:49

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1031MBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 9.0   | 7.3   | 10.9  |

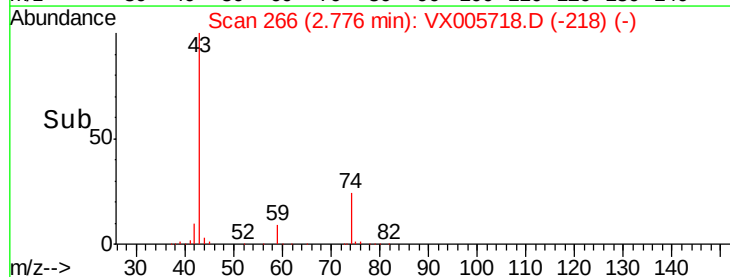
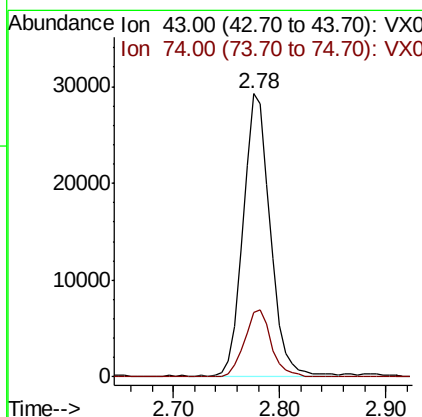
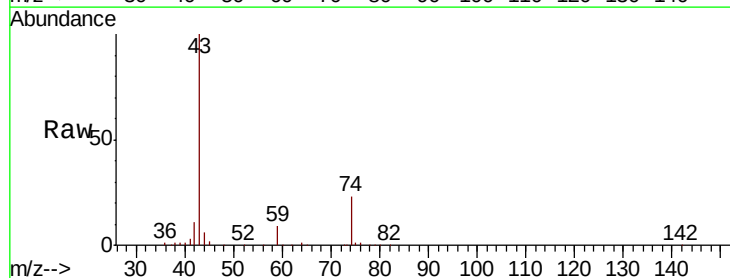
Manual Integrations  
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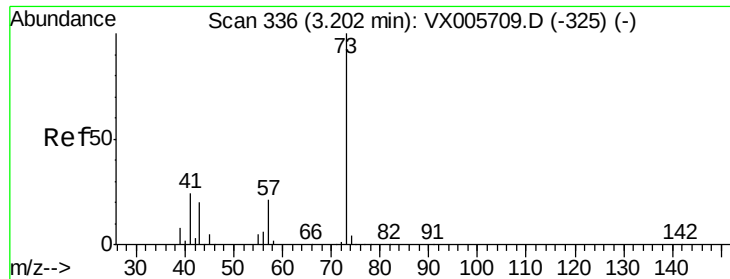
MMDadoda  
11/1/2018 9:49:42 AM



#18  
Methyl Acetate  
Concen: 18.139 ug/l  
RT: 2.78 min Scan# 266  
Delta R.T. -0.01 min  
Lab File: VX005718.D  
Acq: 31 Oct 2018 20:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 74      | 23.8  | 16.8  | 25.2  |





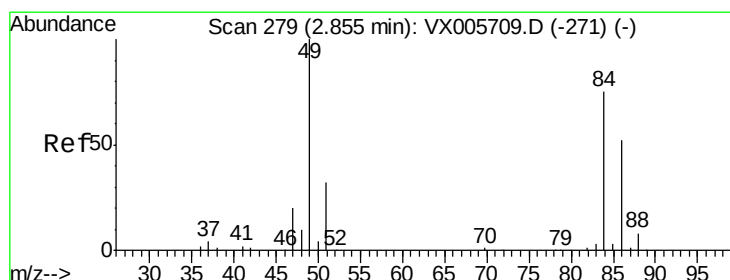
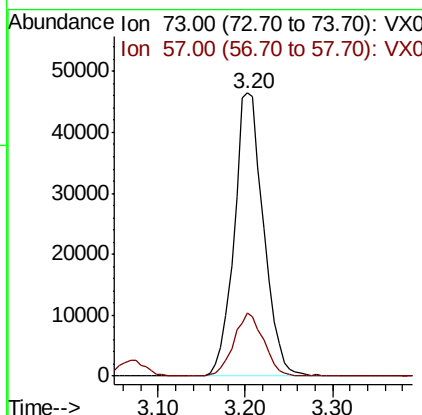
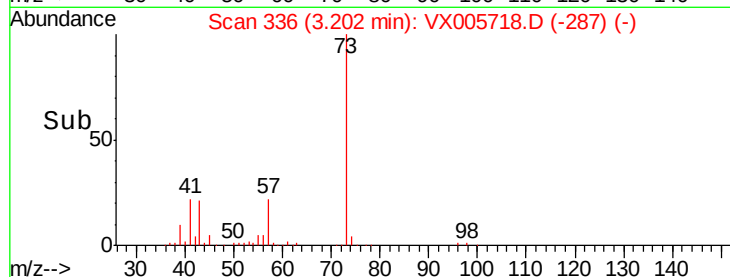
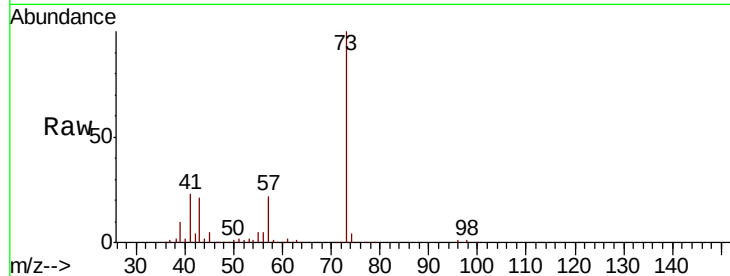
#19  
Methyl tert-butyl Ether  
Concen: 21.017 ug/l  
RT: 3.20 min Scan# 336  
Delta R.T. 0.00 min  
Lab File: VX005718.D  
Acq: 31 Oct 2018 20:49

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1031MBSD01

Tot Ion: 73 Resp: 108628  
Ion Ratio Lower Upper  
73 100  
57 22.3 18.8 28.2

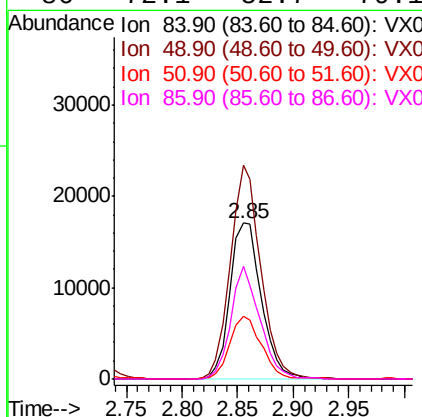
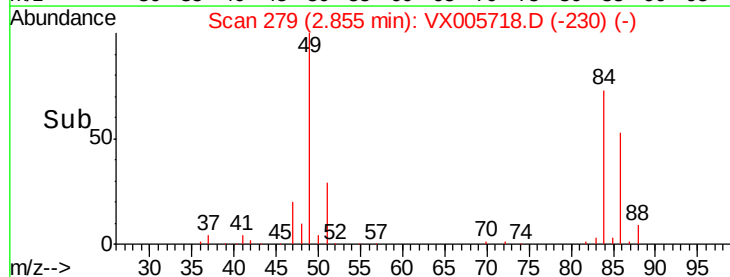
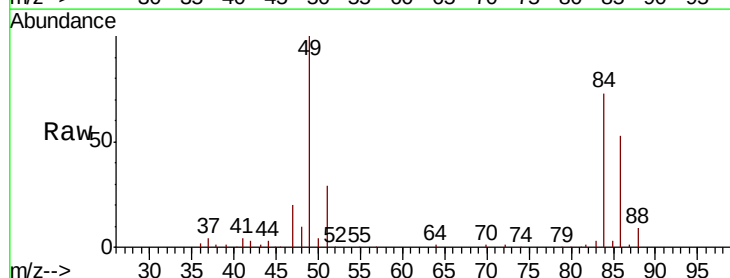
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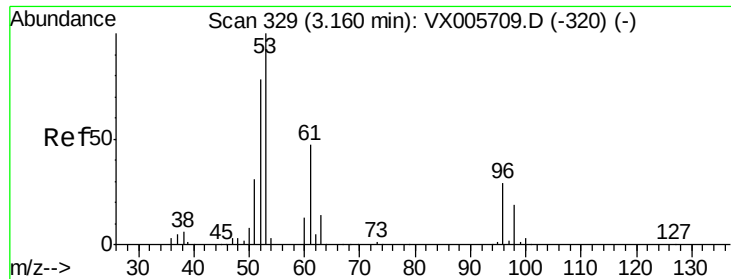
MMDadoda  
11/1/2018 9:49:42 AM



#20  
Methylene Chloride  
Concen: 19.219 ug/l  
RT: 2.85 min Scan# 279  
Delta R.T. 0.00 min  
Lab File: VX005718.D  
Acq: 31 Oct 2018 20:49

Tgt Ion: 84 Resp: 33592  
Ion Ratio Lower Upper  
84 100  
49 137.1 109.5 164.3  
51 40.3 33.3 49.9  
86 72.1 52.7 79.1





#21

trans-1,2-Dichloroethene

Concen: 19.362 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.01 min

Lab File: VX005718.D

Acq: 31 Oct 2018 20:49

Instrument :

MSVOA\_X

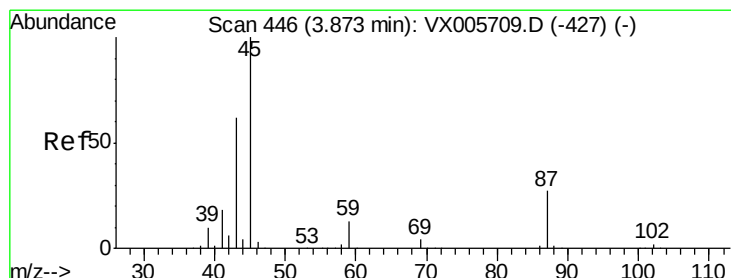
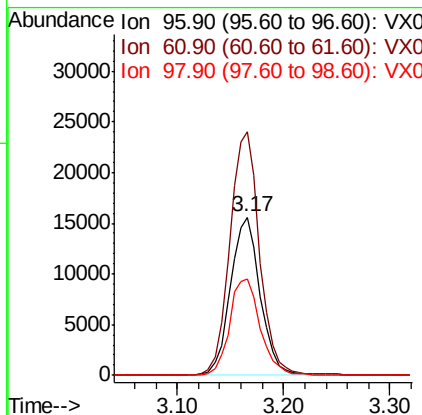
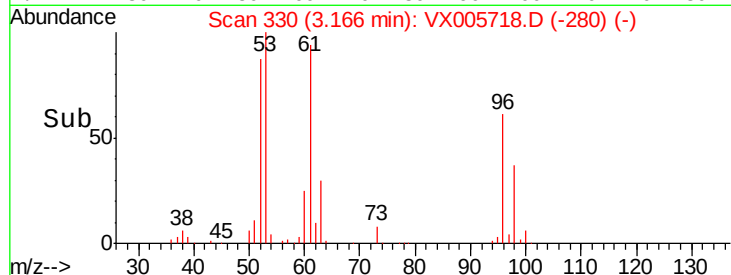
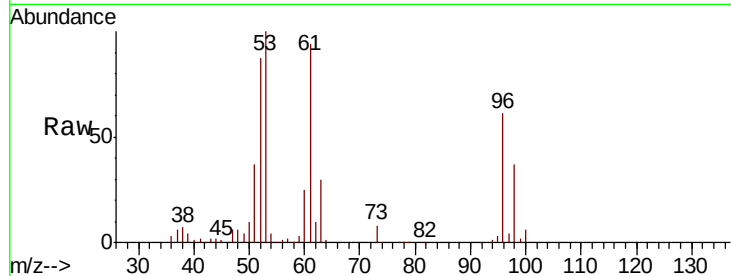
ClientSampleId :

VX1031MBSD01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 96    | Resp: | 30591 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 153.7 | 115.6 | 173.4 |
| 98       | 60.9  | 50.2  | 75.2  |

Manual Integrations  
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#22

Diisopropyl ether

Concen: 19.712 ug/l

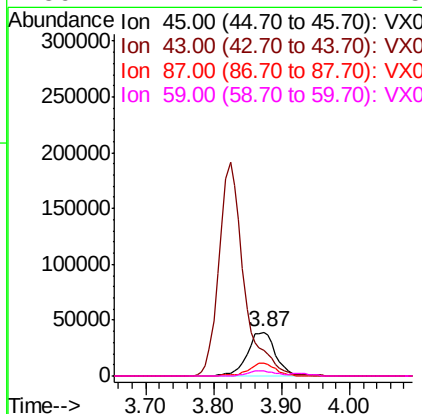
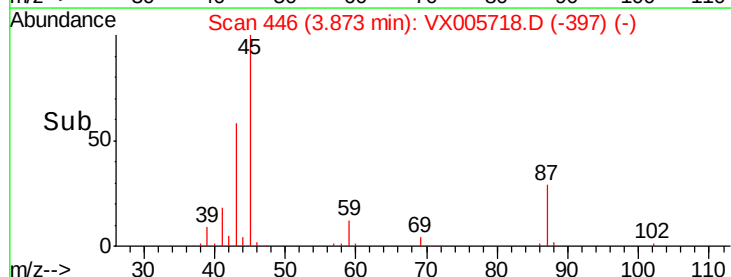
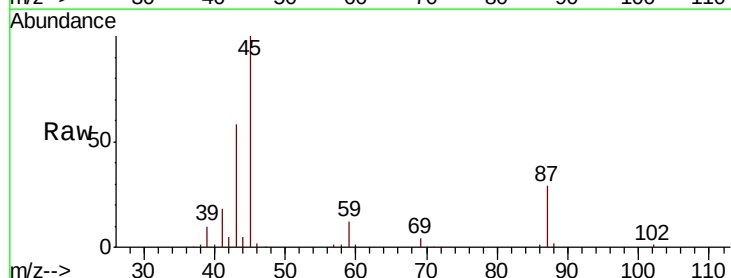
RT: 3.87 min Scan# 446

Delta R.T. 0.00 min

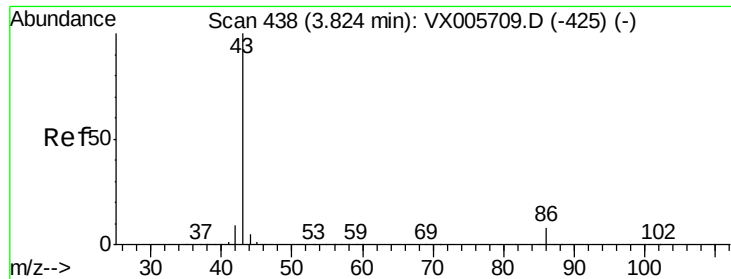
Lab File: VX005718.D

Acq: 31 Oct 2018 20:49

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 45    | Resp: | 112897 |
| Ion      | Ratio | Lower | Upper  |
| 45       | 100   |       |        |
| 43       | 57.9  | 47.4  | 71.2   |
| 87       | 29.2  | 15.9  | 23.9#  |
| 59       | 11.7  | 7.7   | 11.5#  |







#23

Vinyl Acetate

Concen: 98.394 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.00 min

Lab File: VX005718.D

Acq: 31 Oct 2018 20:49

Instrument :

MSVOA\_X

ClientSampleId :

VX1031MBS01

Tot Ion: 43 Resp: 490845

Ion Ratio Lower Upper

43 100

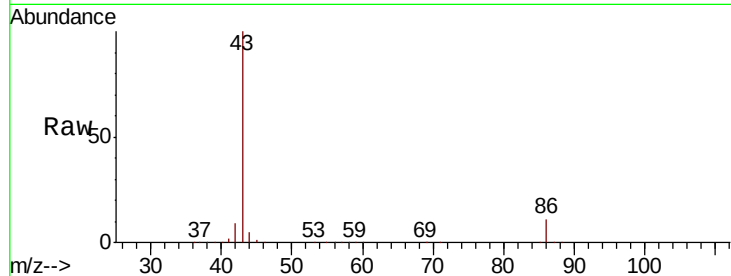
86 10.6 7.4 11.2

Manual Integrations

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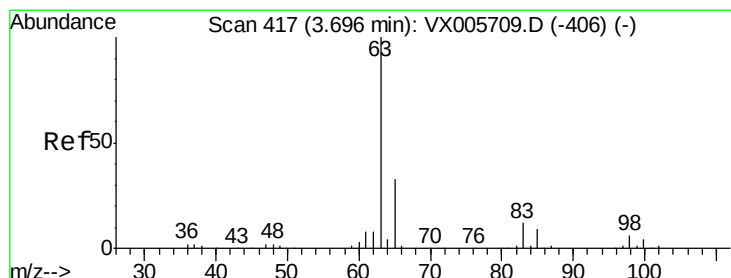
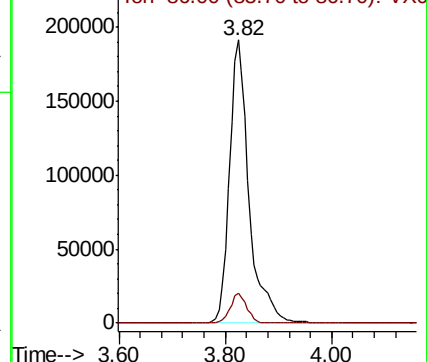
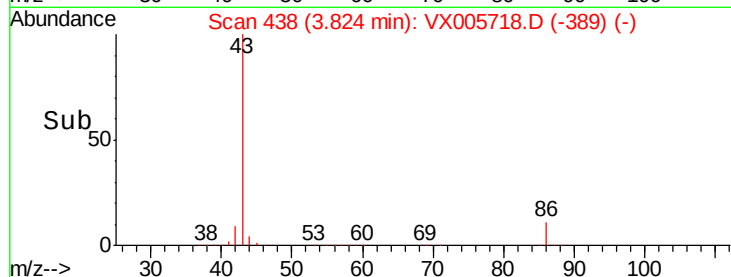
MMDadoda

11/1/2018 9:49:42 AM



Abundance Ion 43.00 (42.70 to 43.70): VX005718.D (-389) (-)

Ion 86.00 (85.70 to 86.70): VX005718.D (-389) (-)



#24

1,1-Dichloroethane

Concen: 18.977 ug/l

RT: 3.69 min Scan# 416

Delta R.T. -0.01 min

Lab File: VX005718.D

Acq: 31 Oct 2018 20:49

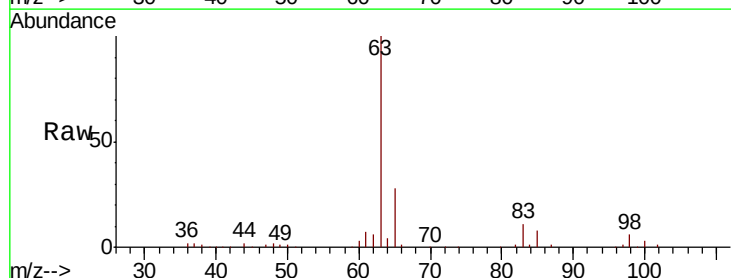
Tgt Ion: 63 Resp: 61457

Ion Ratio Lower Upper

63 100

98 5.7 3.2 9.6

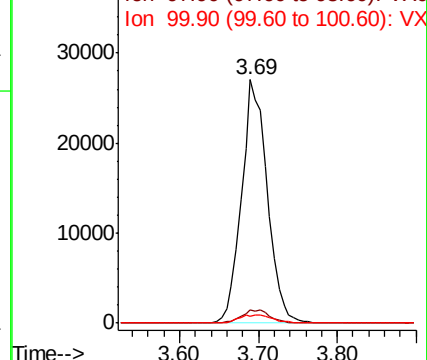
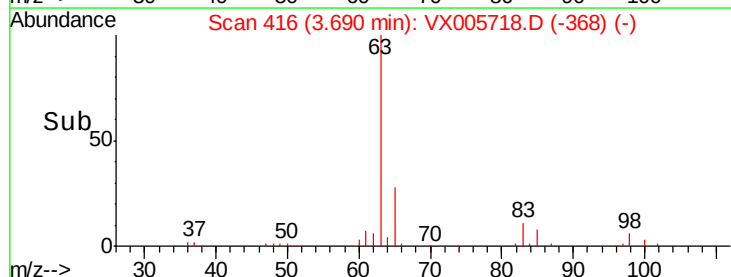
100 2.9 2.1 6.2

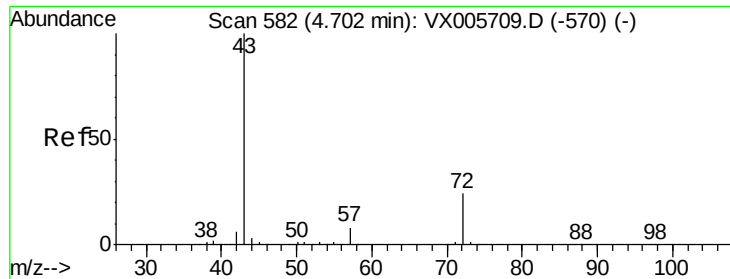


Abundance Ion 62.90 (62.60 to 63.60): VX005718.D (-368) (-)

Ion 97.90 (97.60 to 98.60): VX005718.D (-368) (-)

Ion 99.90 (99.60 to 100.60): VX005718.D (-368) (-)





#25

2-Butanone

Concen: 94.423 ug/l

RT: 4.70 min Scan# 582

Delta R.T. 0.00 min

Lab File: VX005718.D

Acq: 31 Oct 2018 20:49

Instrument :

MSVOA\_X

ClientSampleId :

VX1031MBSD01

Tot Ion: 43 Resp: 161439

Ion Ratio Lower Upper

43 100

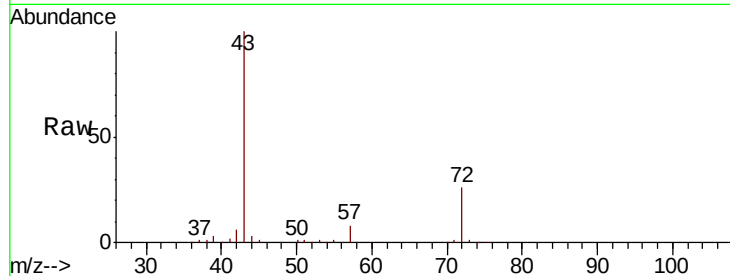
72 26.1 19.2 28.8

Manual Integrations

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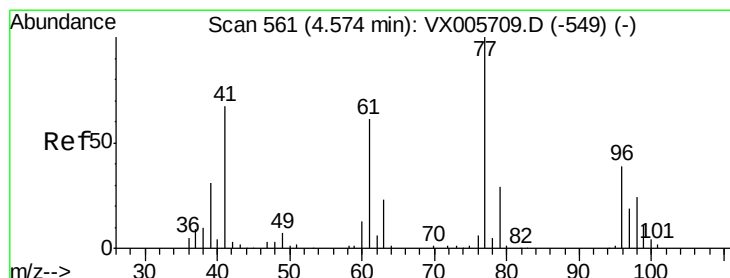
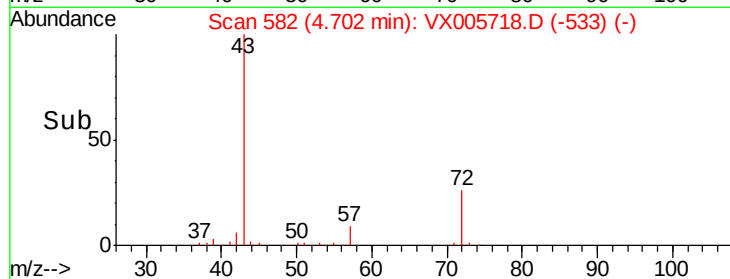
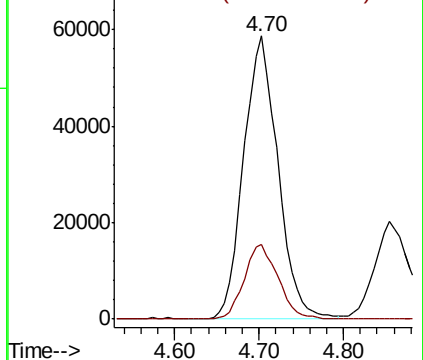
MMDadoda

11/1/2018 9:49:42 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 18.040 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX005718.D

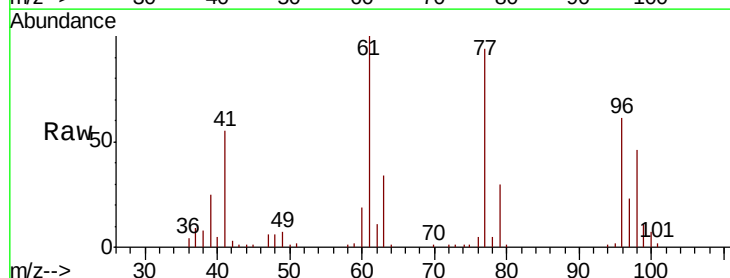
Acq: 31 Oct 2018 20:49

Tgt Ion: 77 Resp: 43674

Ion Ratio Lower Upper

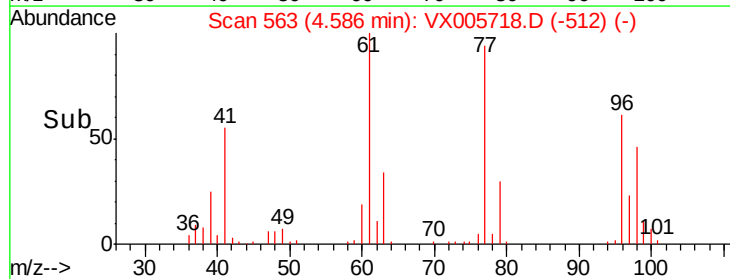
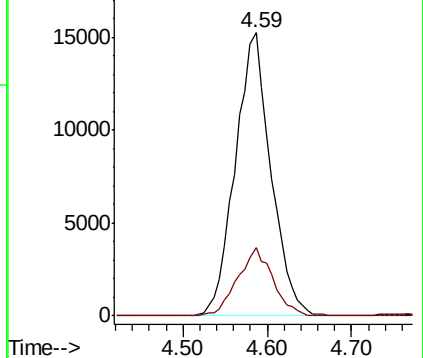
77 100

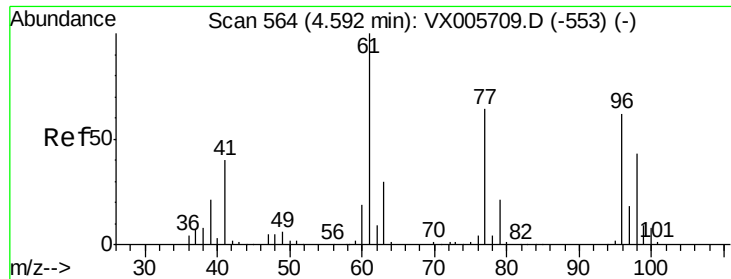
97 23.7 11.5 34.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

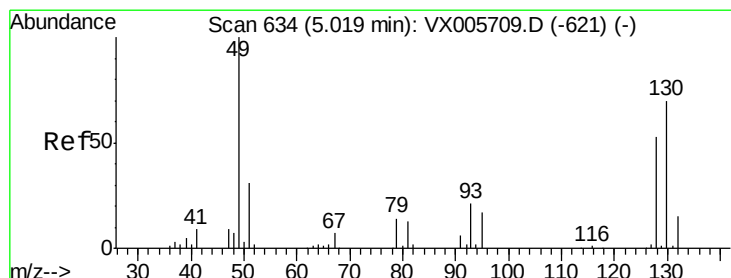
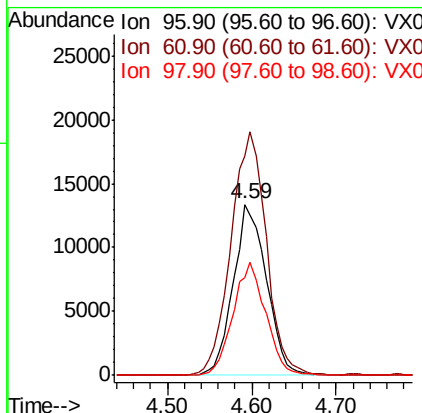
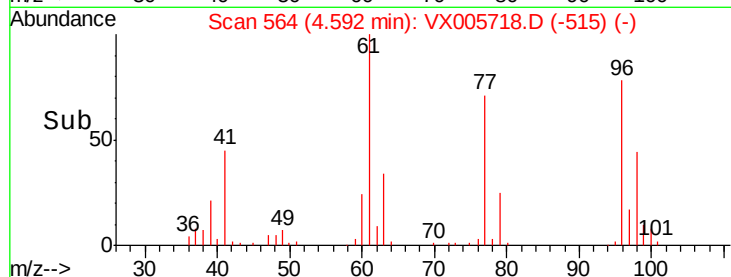
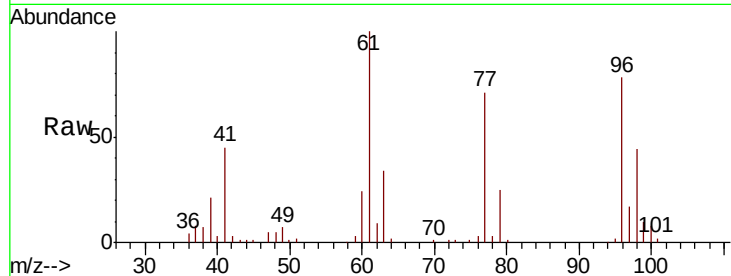
cis-1,2-Dichloroethene  
Concen: 20.115 ug/l  
RT: 4.59 min Scan# 564  
Delta R.T. 0.00 min  
Lab File: VX005718.D  
Acq: 31 Oct 2018 20:49

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1031MBS01

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 96      | 100   | 35712 |       |       |
| 61      | 151.5 | 0.0   | 304.6 |       |
| 98      | 64.9  | 0.0   | 127.4 |       |

Manual Integrations  
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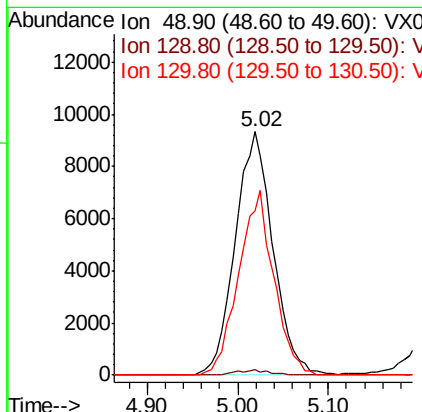
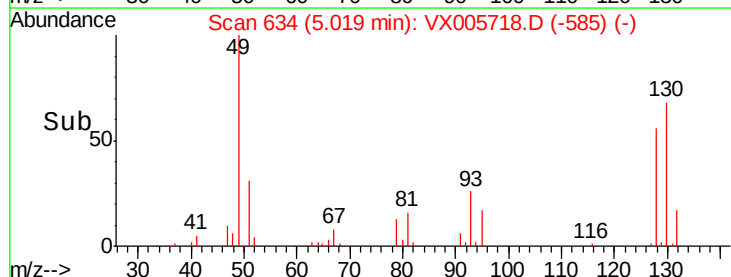
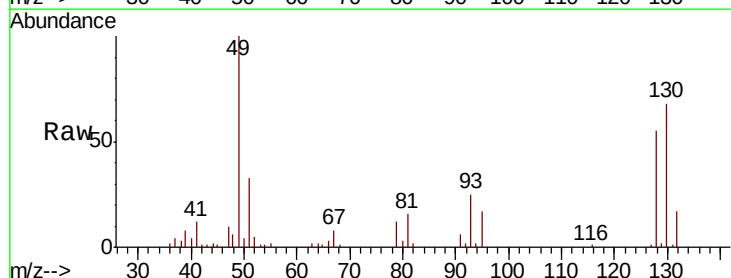
MMDadoda  
11/1/2018 9:49:42 AM

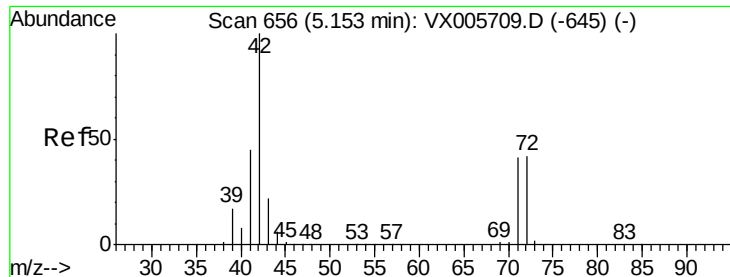


#28

Bromochloromethane  
Concen: 17.027 ug/l  
RT: 5.02 min Scan# 634  
Delta R.T. 0.00 min  
Lab File: VX005718.D  
Acq: 31 Oct 2018 20:49

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 49      | 100   | 26903 |       |       |
| 129     | 1.8   | 0.0   | 4.0   |       |
| 130     | 70.4  | 58.9  | 88.3  |       |





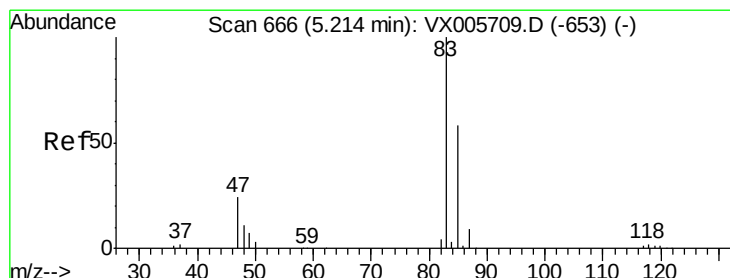
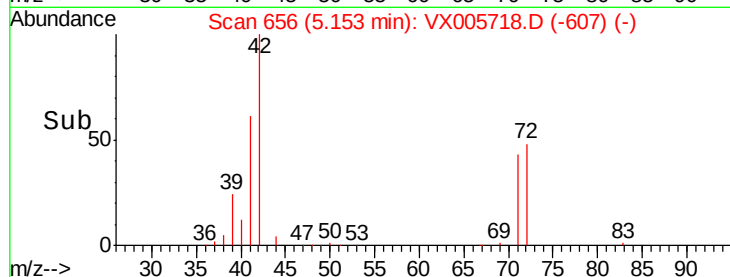
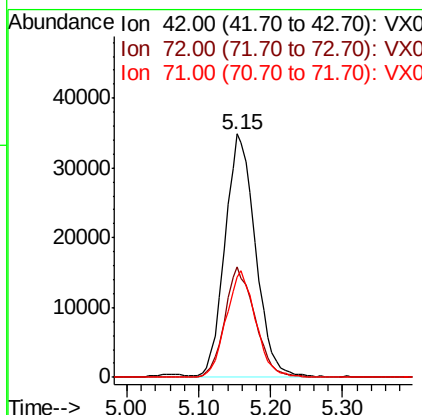
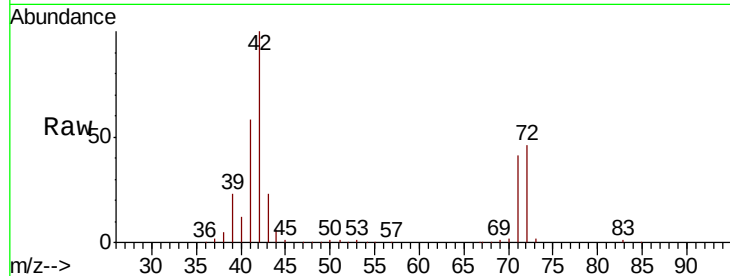
#29  
Tetrahydrofuran  
Concen: 98.187 ug/l  
RT: 5.15 min Scan# 656  
Delta R.T. 0.00 min  
Lab File: VX005718.D  
Acq: 31 Oct 2018 20:49

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1031MBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 45.1  | 32.0  | 48.0  |
| 71      | 42.3  | 29.8  | 44.8  |

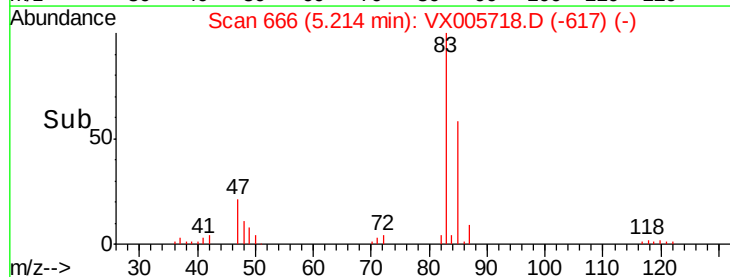
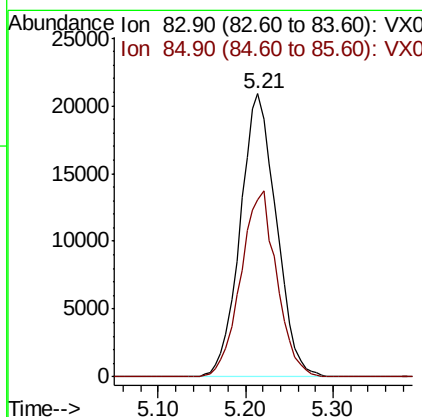
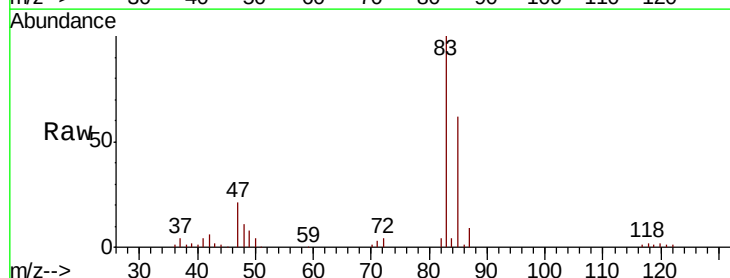
Manual Integrations  
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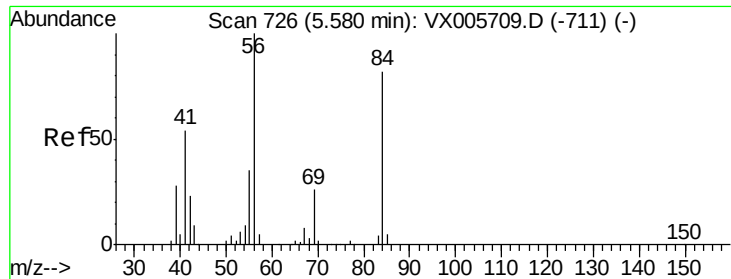
MMDadoda  
11/1/2018 9:49:42 AM



#30  
Chloroform  
Concen: 18.959 ug/l  
RT: 5.21 min Scan# 666  
Delta R.T. 0.00 min  
Lab File: VX005718.D  
Acq: 31 Oct 2018 20:49

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





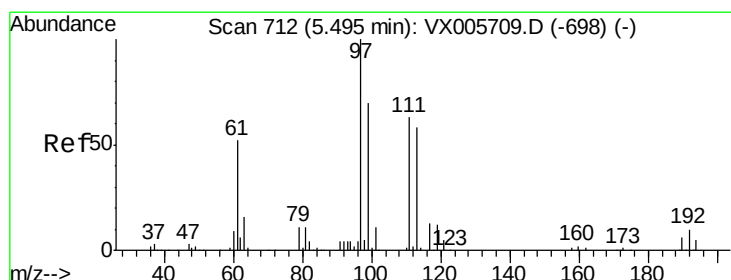
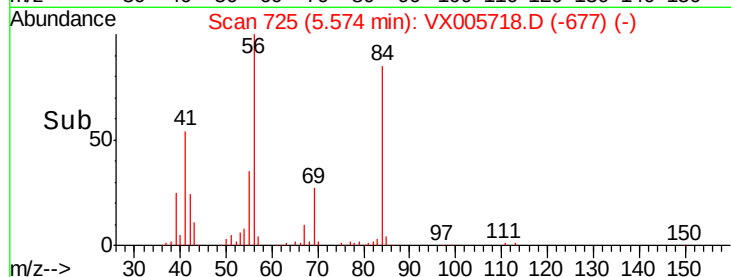
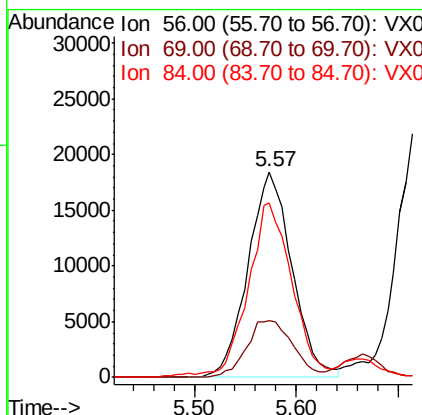
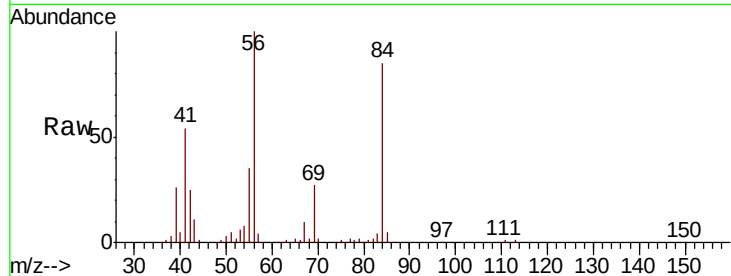
#31  
Cyclohexane  
Concen: 20.425 ug/l  
RT: 5.57 min Scan# 725  
Delta R.T. -0.01 min  
Lab File: VX005718.D  
Acq: 31 Oct 2018 20:49

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1031MBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 69      | 27.5  | 22.6  | 34.0  |
| 84      | 83.2  | 62.7  | 94.1  |

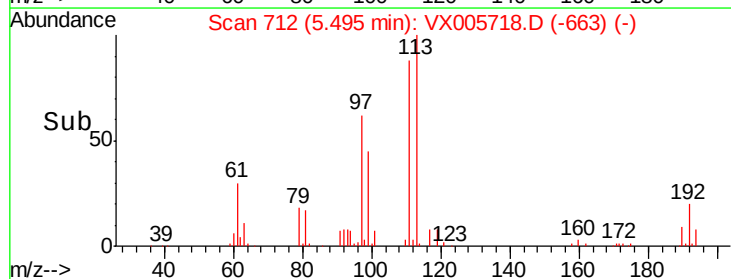
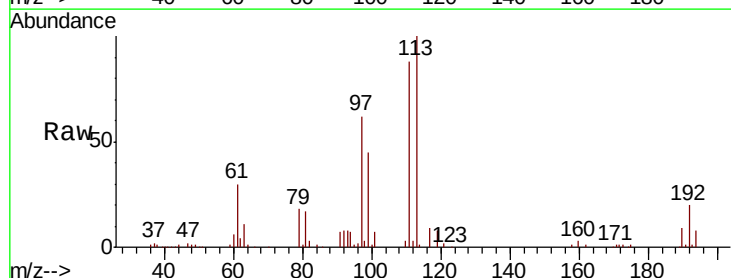
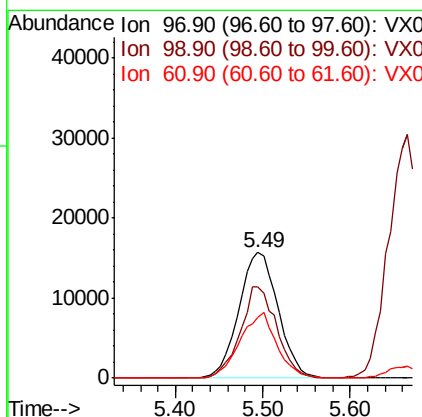
Manual Integrations  
APPROVED

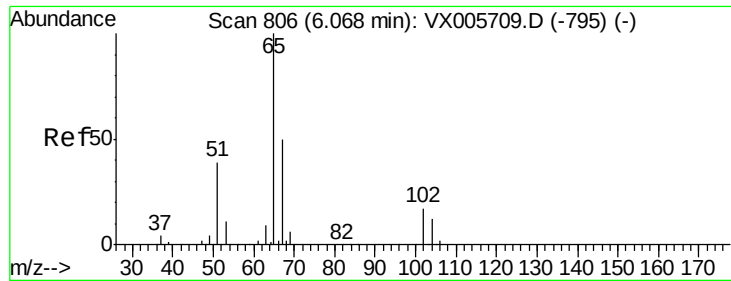
MMDadoda  
11/1/2018 9:49:42 AM



#32  
1,1,1-Trichloroethane  
Concen: 19.302 ug/l  
RT: 5.49 min Scan# 712  
Delta R.T. 0.00 min  
Lab File: VX005718.D  
Acq: 31 Oct 2018 20:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 99      | 67.3  | 52.3  | 78.5  |
| 61      | 49.1  | 35.2  | 52.8  |





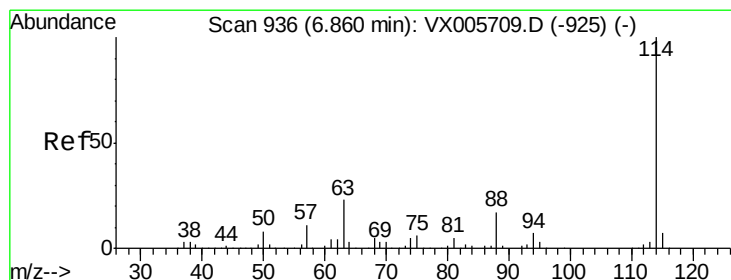
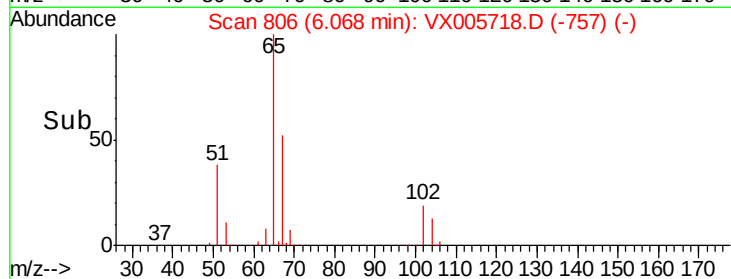
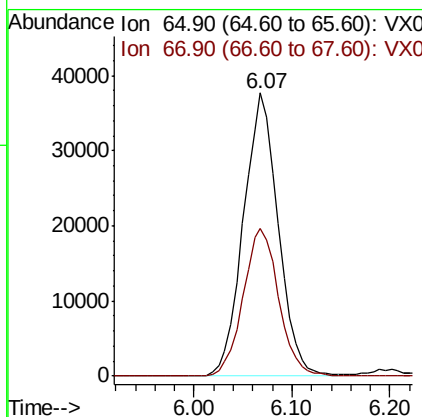
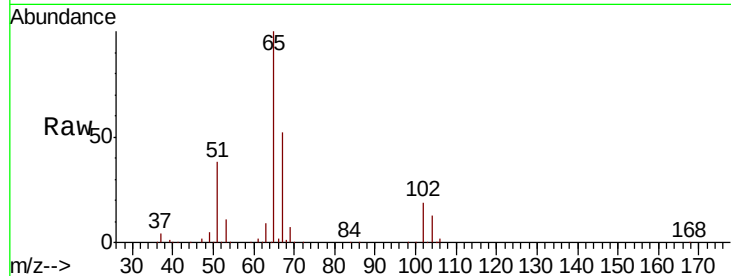
#33  
 1,2-Dichloroethane-d4  
 Concen: 45.986 ug/l  
 RT: 6.07 min Scan# 806  
 Delta R.T. 0.00 min  
 Lab File: VX005718.D  
 Acq: 31 Oct 2018 20:49

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX1031MBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 67      | 53.5  | 0.0   | 105.0 |

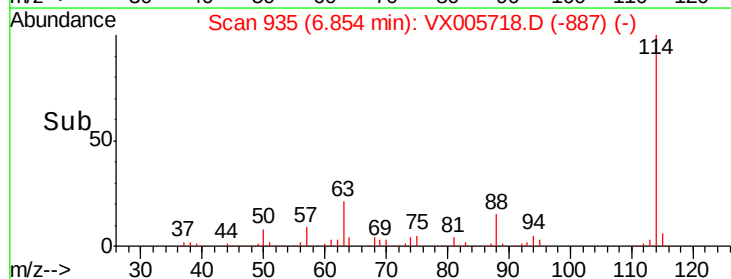
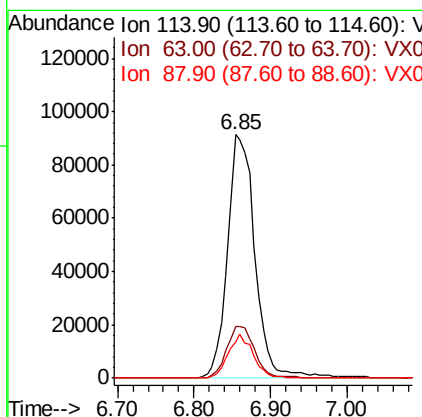
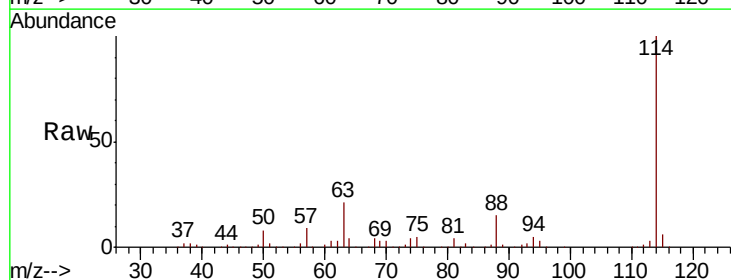
Manual Integrations  
 APPROVED

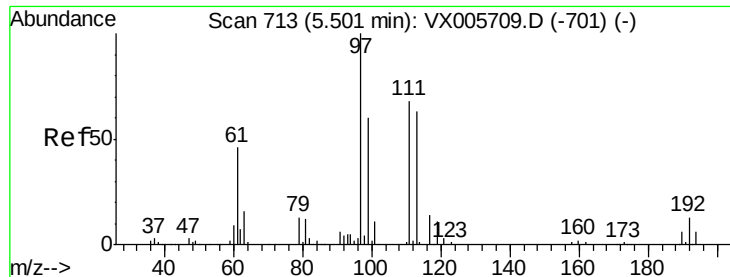
MMDadoda  
 11/1/2018 9:49:42 AM



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.85 min Scan# 936  
 Delta R.T. -0.01 min  
 Lab File: VX005718.D  
 Acq: 31 Oct 2018 20:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 21.1  | 0.0   | 42.8  |
| 88      | 14.7  | 0.0   | 31.2  |





#35

Dibromofluoromethane

Concen: 48.694 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX005718.D

Acq: 31 Oct 2018 20:49

Instrument :

MSVOA\_X

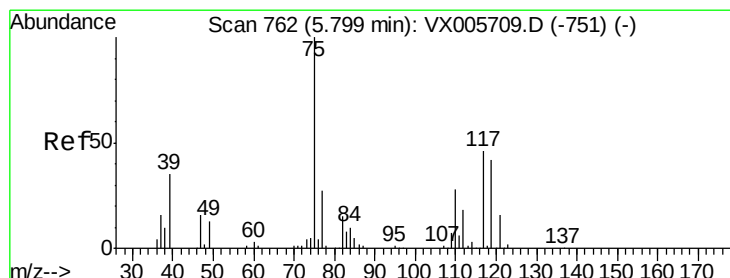
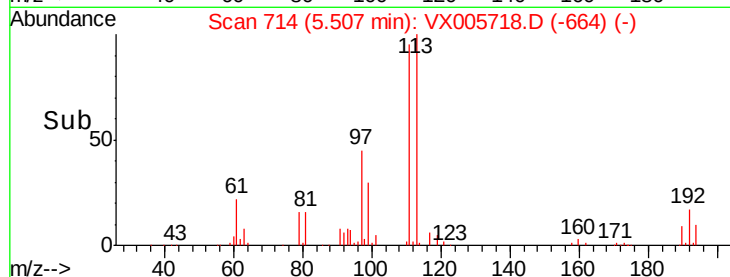
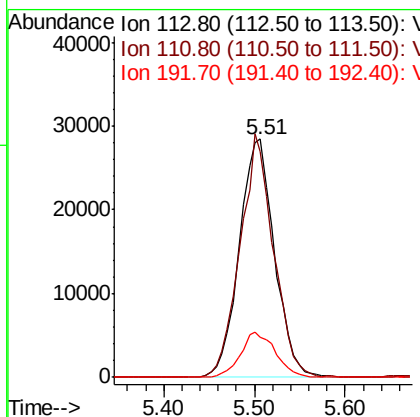
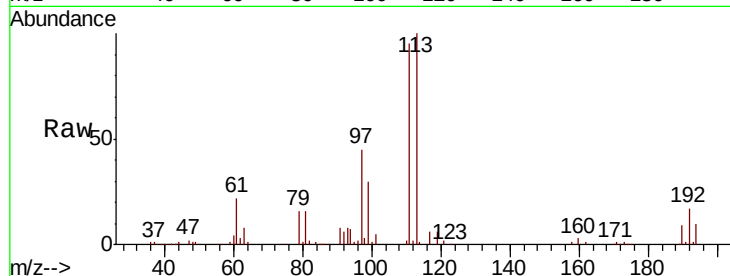
ClientSampleId :

VX1031MBSD01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 113   | Resp: | 76600 |
| Ion Ratio | Lower | Upper |       |
| 113       | 100   |       |       |
| 111       | 97.1  | 82.3  | 123.5 |
| 192       | 18.8  | 17.9  | 26.9  |

Manual Integrations  
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11/1/2018 9:49:42 AM



#36

1,1-Dichloropropene

Concen: 19.353 ug/l

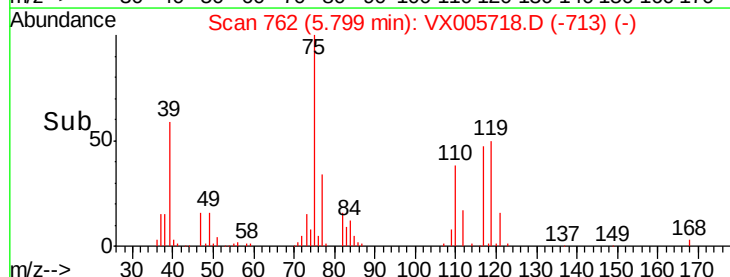
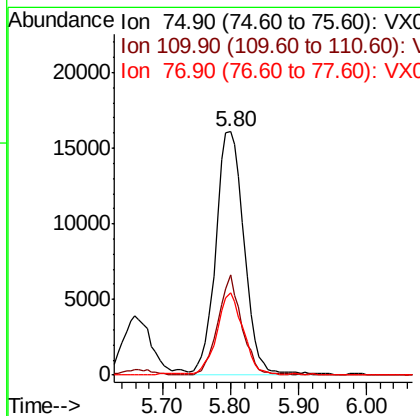
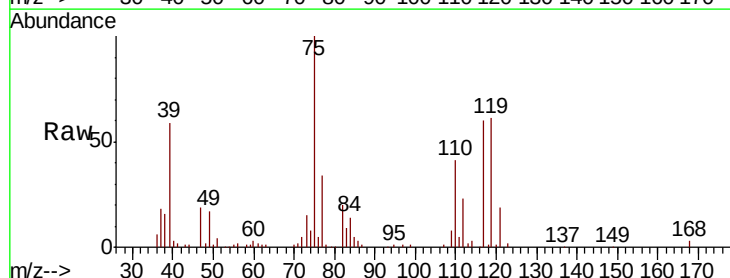
RT: 5.80 min Scan# 762

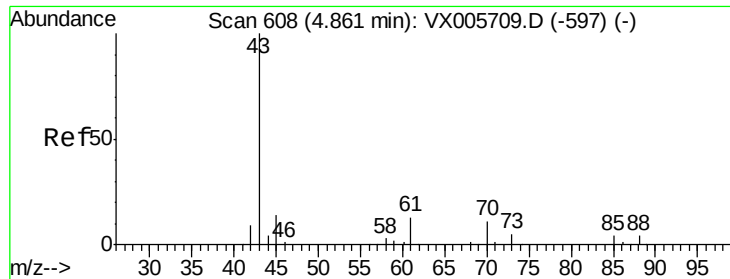
Delta R.T. 0.00 min

Lab File: VX005718.D

Acq: 31 Oct 2018 20:49

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 46846 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 110       | 34.6  | 17.4  | 52.2  |
| 77        | 31.2  | 25.8  | 38.6  |





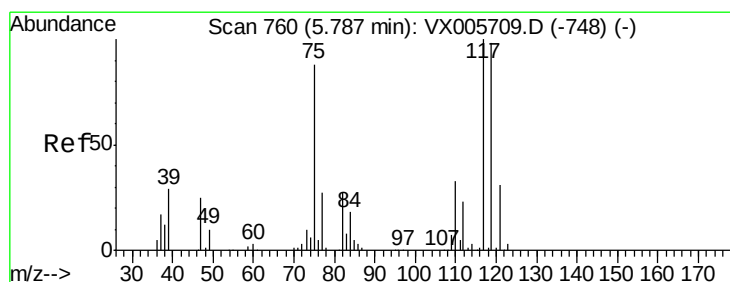
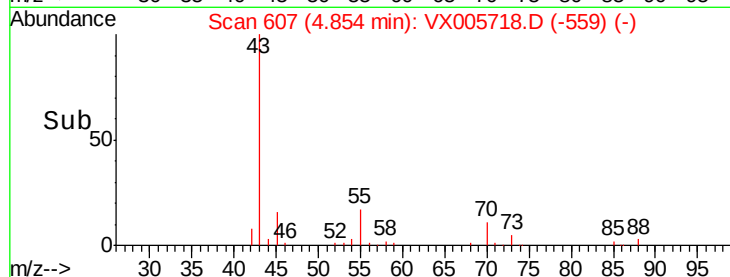
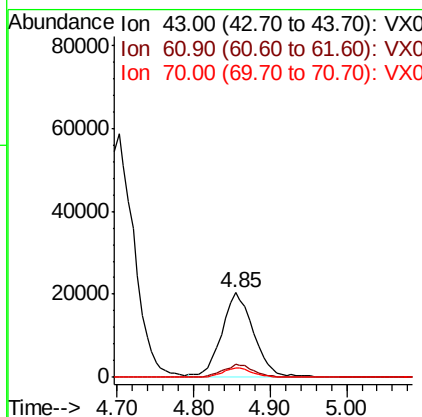
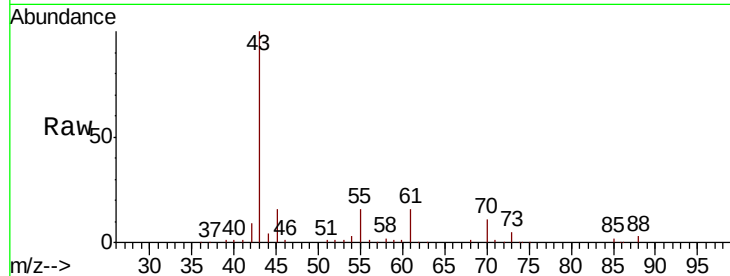
#37  
Ethyl Acetate  
Concen: 18.744 ug/l  
RT: 4.85 min Scan# 607  
Delta R.T. -0.01 min  
Lab File: VX005718.D  
Acq: 31 Oct 2018 20:49

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1031MBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 15.0  | 10.8  | 16.2  |
| 70      | 10.4  | 7.8   | 11.8  |

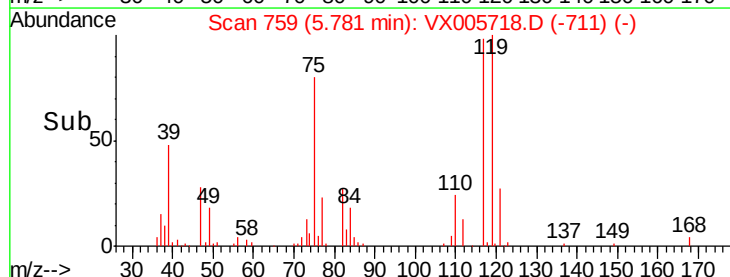
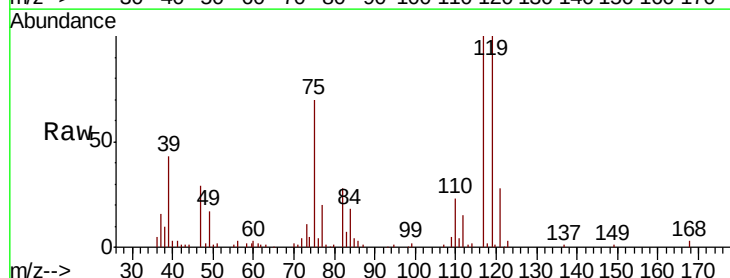
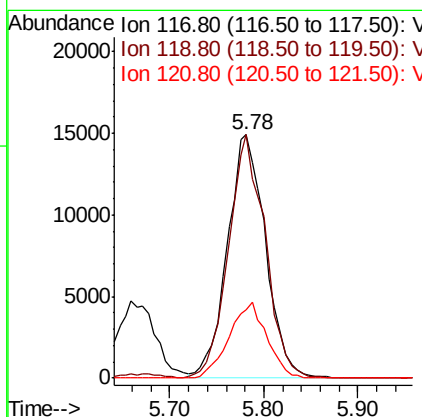
Manual Integrations  
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11/1/2018 9:49:42 AM

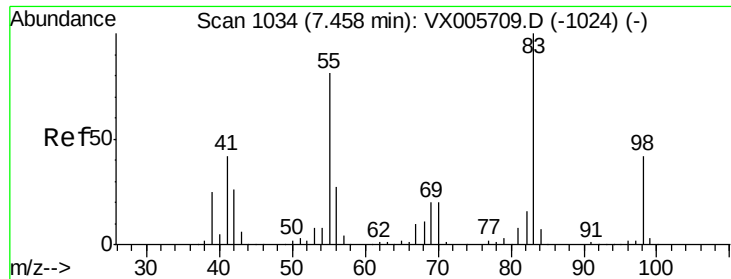


#38  
Carbon Tetrachloride  
Concen: 19.211 ug/l  
RT: 5.78 min Scan# 759  
Delta R.T. -0.01 min  
Lab File: VX005718.D  
Acq: 31 Oct 2018 20:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 100.2 | 78.1  | 117.1 |
| 121     | 27.9  | 24.6  | 36.8  |







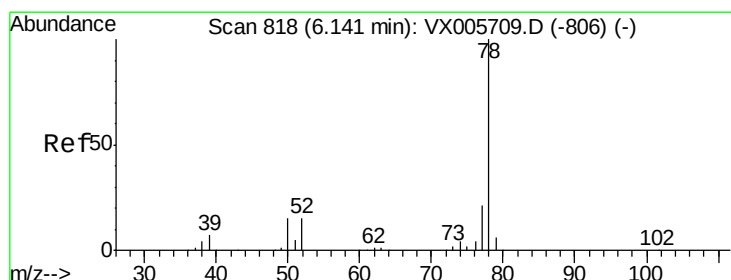
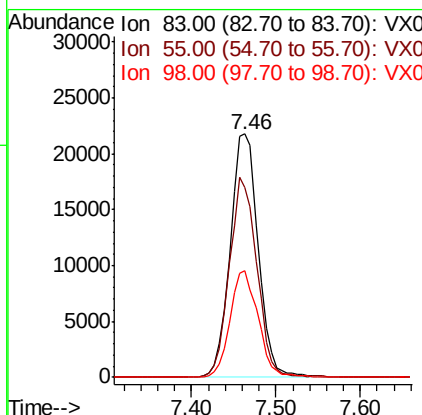
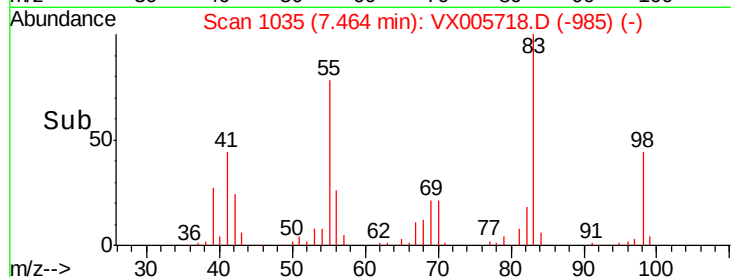
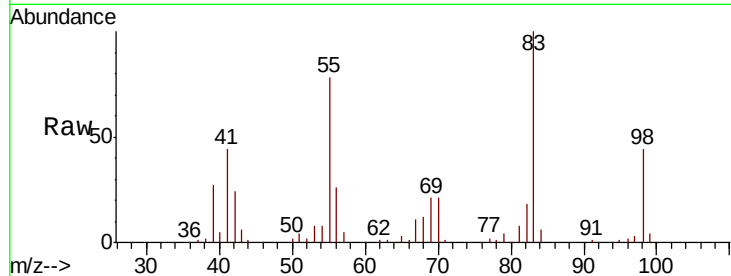
#39  
Methylvlcyclohexane  
Concen: 19.398 ug/l  
RT: 7.46 min Scan# 1035  
Delta R.T. 0.01 min  
Lab File: VX005718.D  
Acq: 31 Oct 2018 20:49

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1031MBSD01

| Tot Ion | 83    | Resp  | 48969 |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 83      | 100   |       |       |
| 55      | 77.8  | 63.7  | 95.5  |
| 98      | 43.7  | 36.2  | 54.2  |

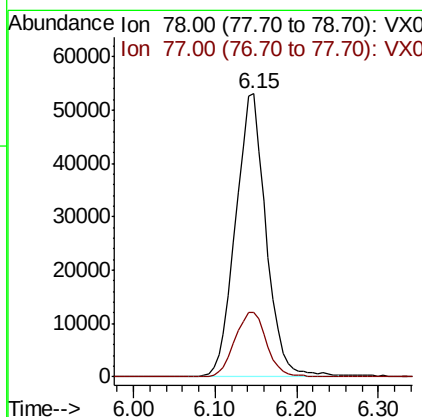
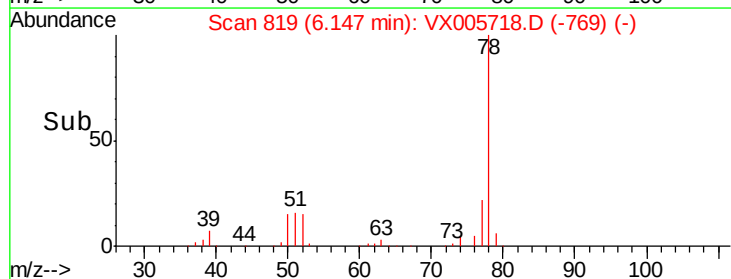
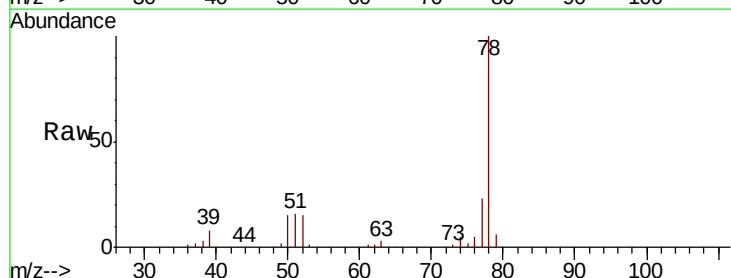
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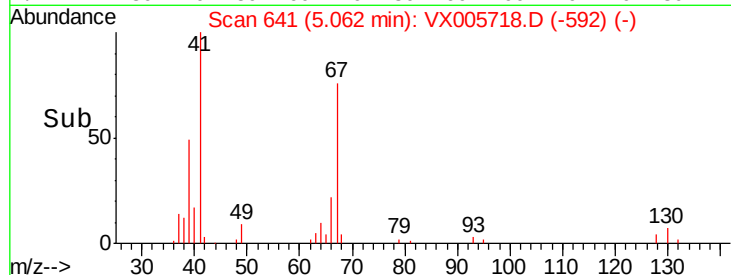
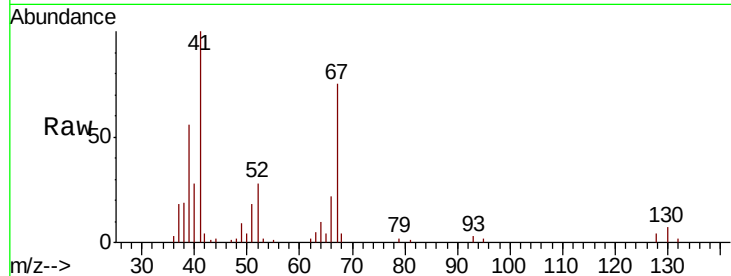
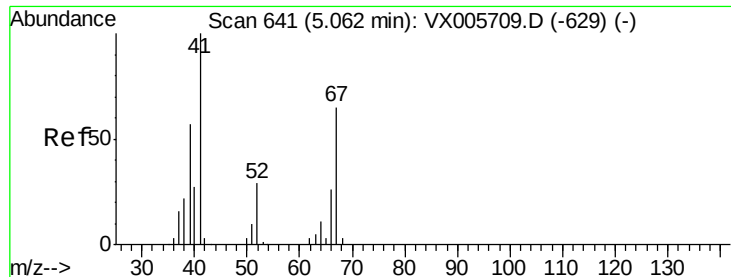
MMDadoda  
11/1/2018 9:49:42 AM



#40  
Benzene  
Concen: 19.075 ug/l  
RT: 6.15 min Scan# 819  
Delta R.T. 0.01 min  
Lab File: VX005718.D  
Acq: 31 Oct 2018 20:49

| Tgt Ion | 78    | Resp  | 137362 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 78      | 100   |       |        |
| 77      | 22.6  | 18.4  | 27.6   |





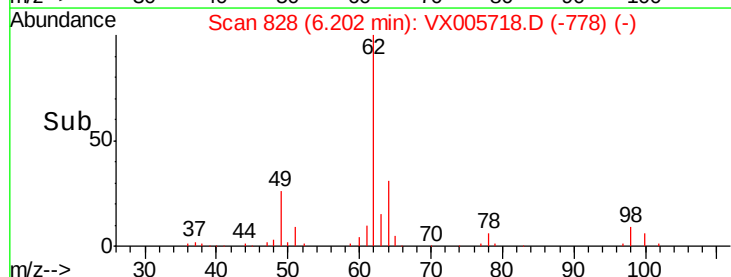
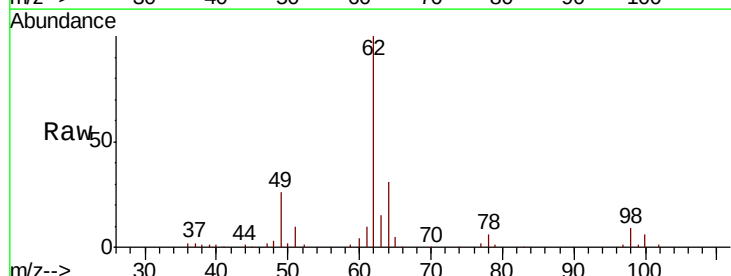
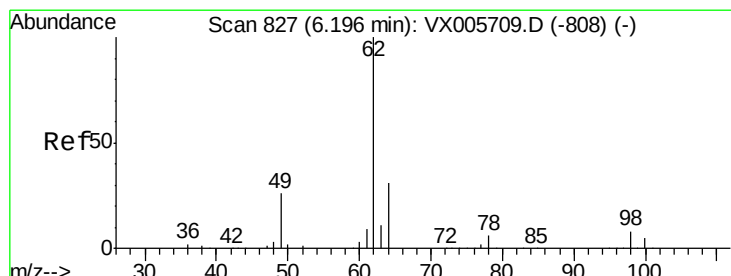
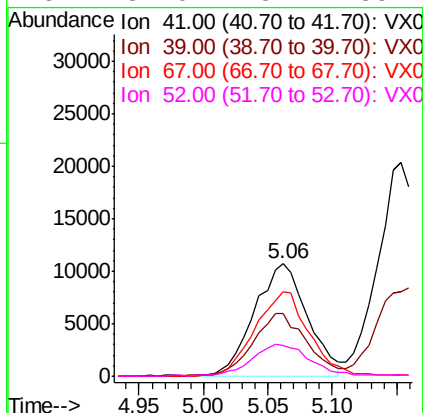
#41  
Methacrylonitrile  
Concen: 18.453 ug/l  
RT: 5.06 min Scan# 641  
Delta R.T. 0.00 min  
Lab File: VX005718.D  
Acq: 31 Oct 2018 20:49

| Tot Ion | Ion | Ratio | Resp  | Lower | Upper |
|---------|-----|-------|-------|-------|-------|
| 41      | 41  | 100   | 30790 |       |       |
| 39      | 39  | 55.8  | 42.2  | 63.2  |       |
| 67      | 67  | 76.2  | 53.4  | 80.0  |       |
| 52      | 52  | 31.0  | 23.4  | 35.2  |       |

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1031MBSD01

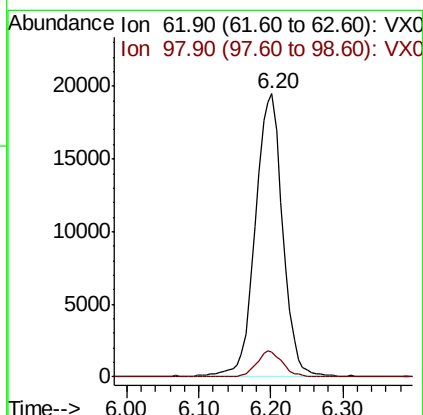
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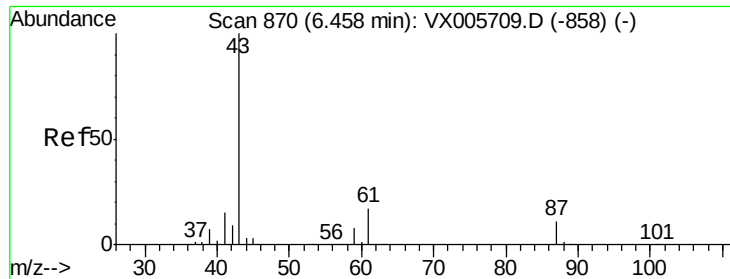
MMDadoda  
11/1/2018 9:49:42 AM



#42  
1,2-Dichloroethane  
Concen: 19.356 ug/l  
RT: 6.20 min Scan# 828  
Delta R.T. 0.01 min  
Lab File: VX005718.D  
Acq: 31 Oct 2018 20:49

| Tgt Ion | Ion | Ratio | Resp  | Lower | Upper |
|---------|-----|-------|-------|-------|-------|
| 62      | 62  | 100   | 51522 |       |       |
| 98      | 98  | 8.6   | 0.0   | 17.8  |       |





#43

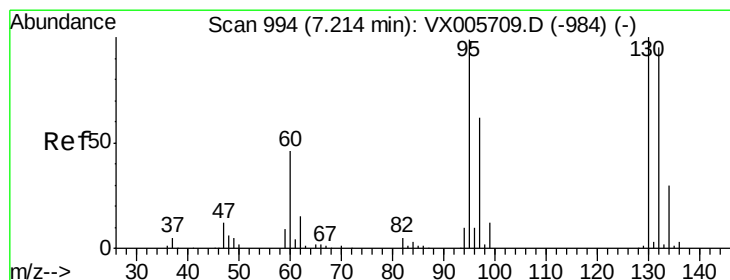
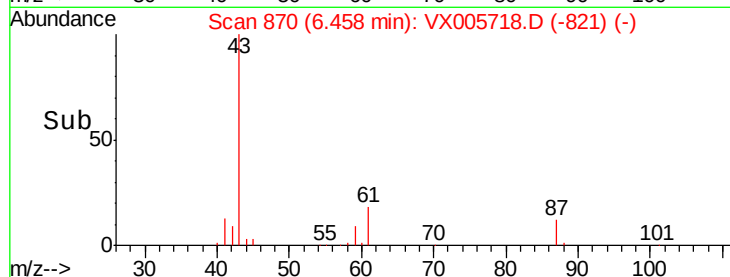
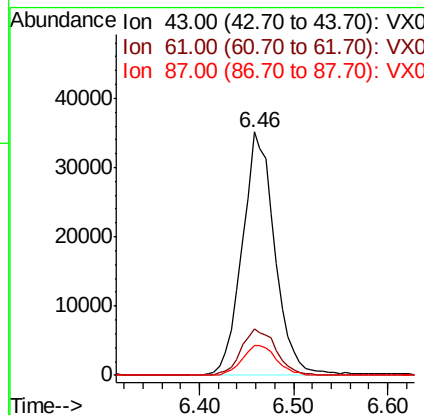
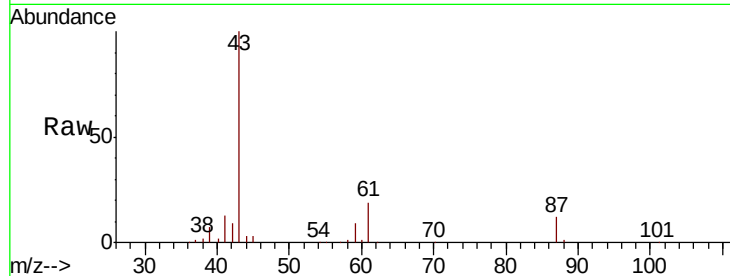
Isopropyl Acetate  
 Concen: 18.892 ug/l  
 RT: 6.46 min Scan# 870  
 Delta R.T. 0.00 min  
 Lab File: VX005718.D  
 Acq: 31 Oct 2018 20:49

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX1031MBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 20.7  | 14.6  | 22.0  |
| 87      | 13.1  | 9.6   | 14.4  |

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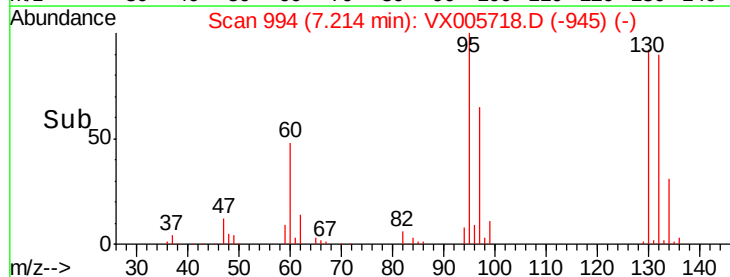
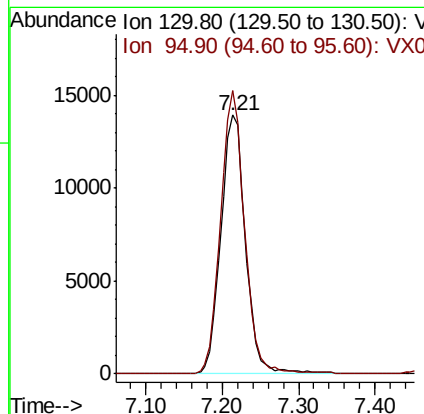
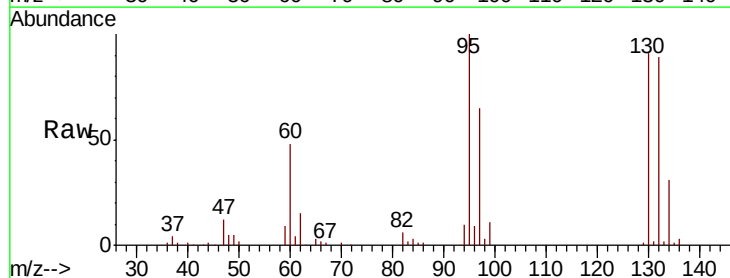
MMDadoda  
 11/1/2018 9:49:42 AM

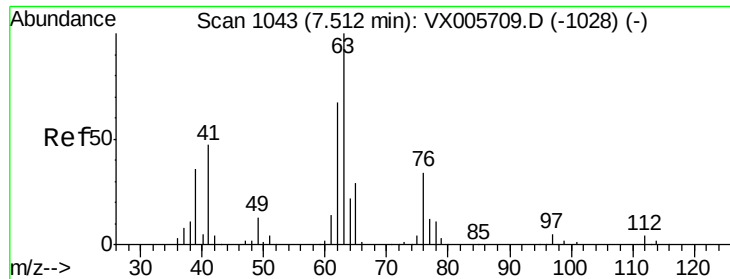


#44

Trichloroethene  
 Concen: 18.677 ug/l  
 RT: 7.21 min Scan# 994  
 Delta R.T. 0.00 min  
 Lab File: VX005718.D  
 Acq: 31 Oct 2018 20:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 130     | 100   |       |       |
| 95      | 109.5 | 0.0   | 194.2 |





#45

1,2-Dichloropropane

Concen: 19.281 ug/l

RT: 7.52 min Scan# 1044

Delta R.T. 0.01 min

Lab File: VX005718.D

Acq: 31 Oct 2018 20:49

Instrument :

MSVOA\_X

ClientSampleId :

VX1031MBSD01

Tot Ion: 63 Resp: 35582

Ion Ratio Lower Upper

63 100

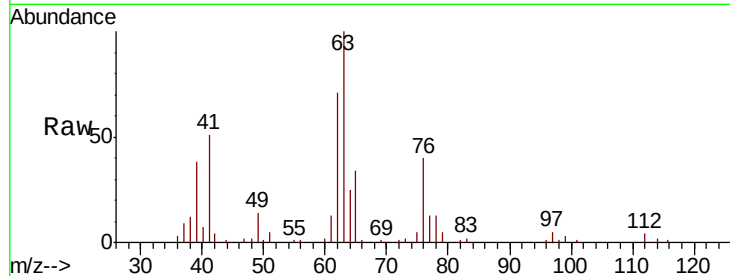
65 33.5 24.8 37.2

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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

7.52

20000

15000

10000

5000

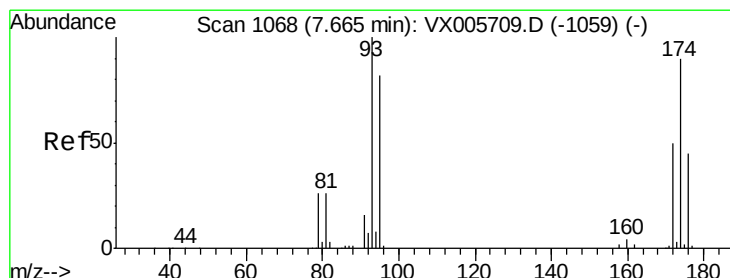
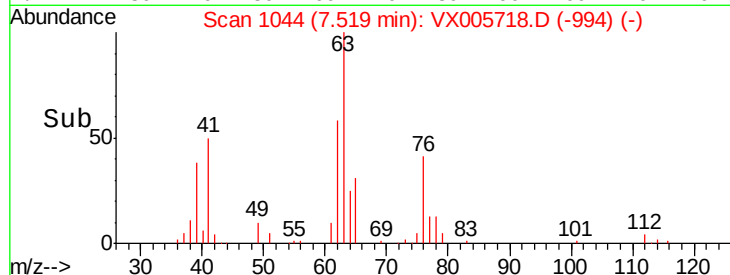
0

Time-->

7.40

7.50

7.60



#46

Dibromomethane

Concen: 18.585 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. 0.00 min

Lab File: VX005718.D

Acq: 31 Oct 2018 20:49

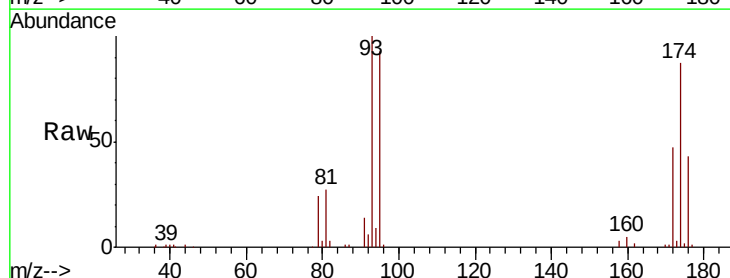
Tgt Ion: 93 Resp: 21919

Ion Ratio Lower Upper

93 100

95 85.4 67.4 101.0

174 92.9 91.5 137.3



Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V

15000

10000

5000

0

Time-->

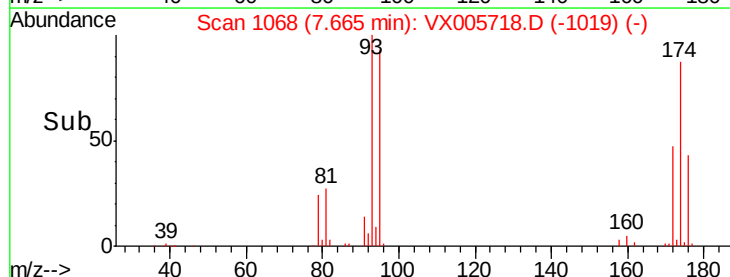
7.55

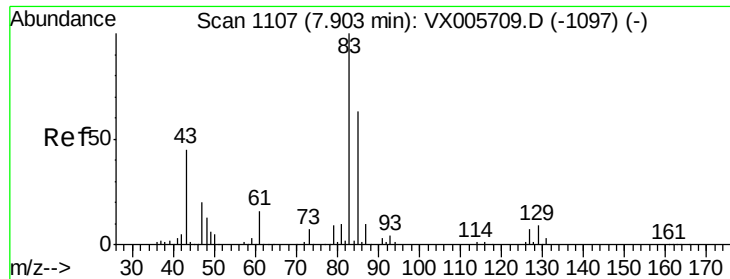
7.60

7.65

7.70

7.75





#47

Bromodichloromethane

Concen: 18.518 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.01 min

Lab File: VX005718.D

Acq: 31 Oct 2018 20:49

Instrument :

MSVOA\_X

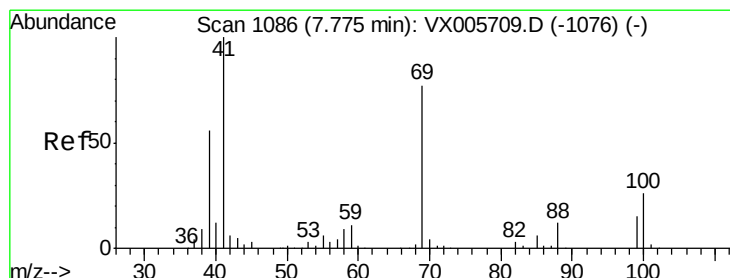
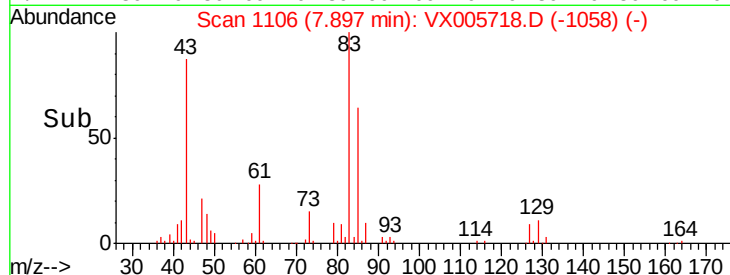
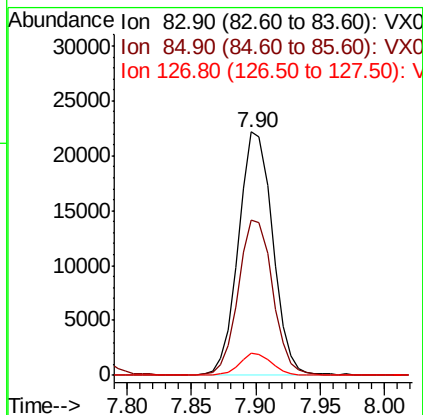
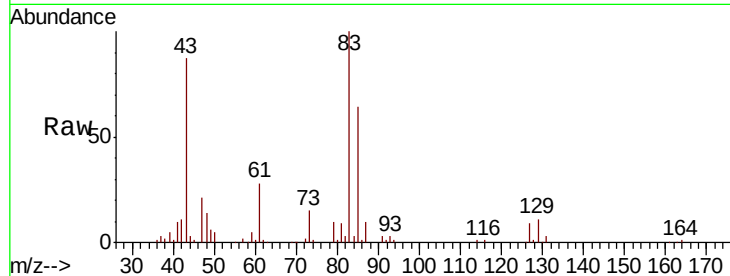
ClientSampleId :

VX1031MBSD01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 83    | Resp: | 40965 |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 85       | 63.7  | 50.2  | 75.4  |
| 127      | 8.9   | 6.9   | 10.3  |

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#48

Methyl methacrylate

Concen: 18.673 ug/l

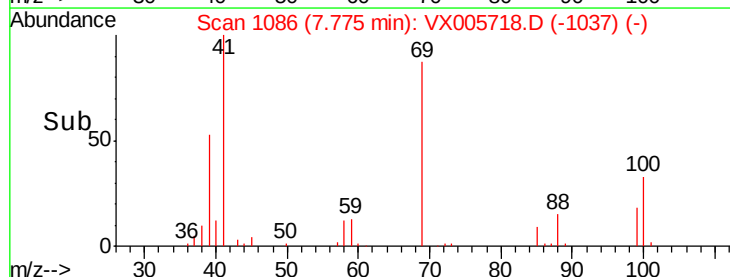
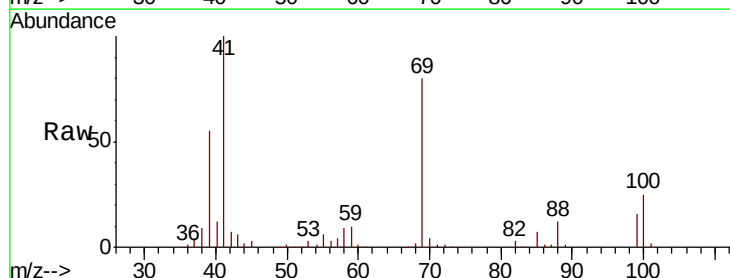
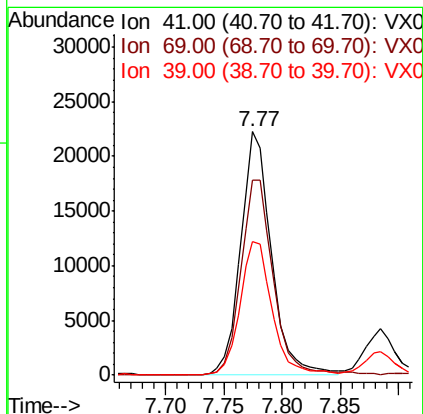
RT: 7.77 min Scan# 1086

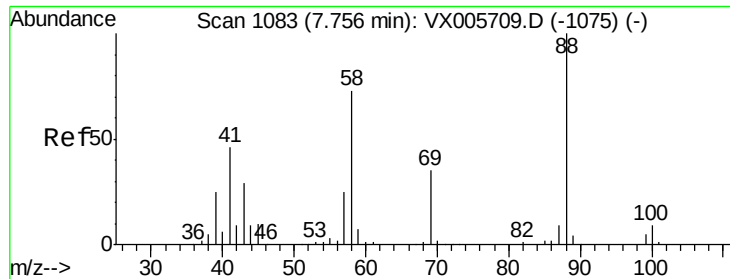
Delta R.T. 0.00 min

Lab File: VX005718.D

Acq: 31 Oct 2018 20:49

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 40508 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 69       | 85.6  | 63.2  | 94.8  |
| 39       | 58.2  | 42.2  | 63.2  |





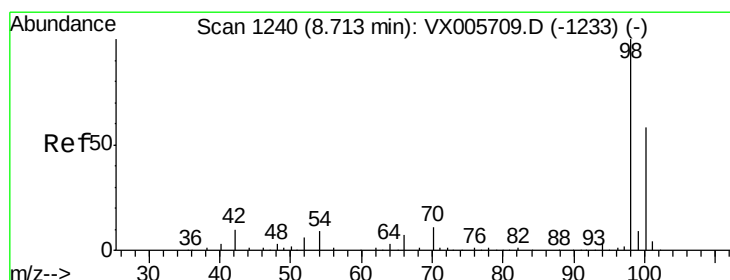
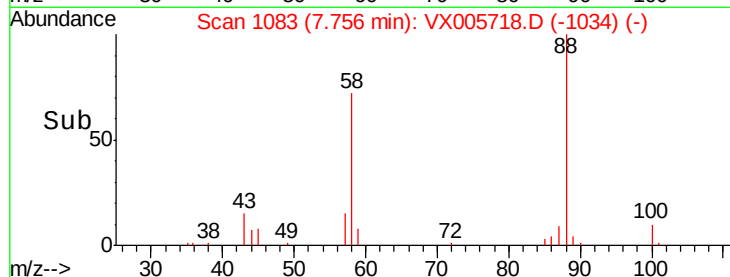
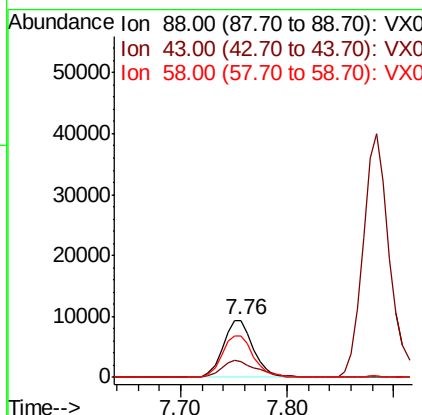
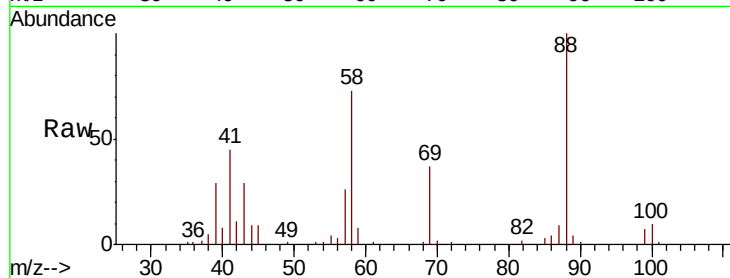
#49  
1,4-Dioxane  
Concen: 383.491 ug/l  
RT: 7.76 min Scan# 1083  
Delta R.T. 0.00 min  
Lab File: VX005718.D  
Acq: 31 Oct 2018 20:49

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1031MBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 35.7  | 27.4  | 41.0  |
| 58      | 76.2  | 59.4  | 89.2  |

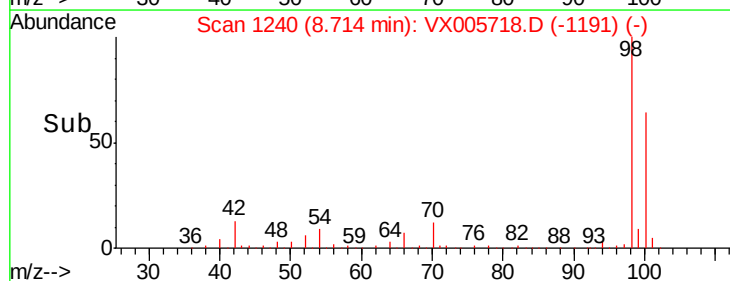
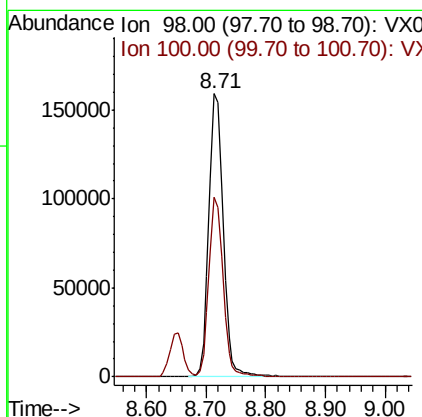
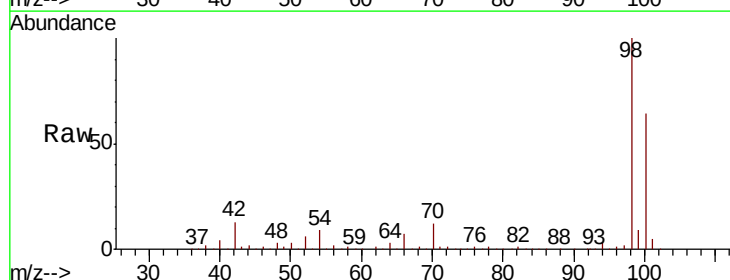
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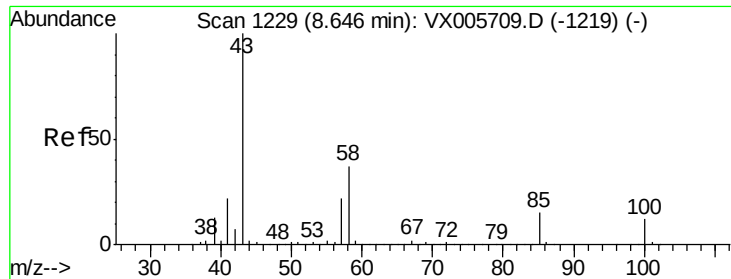
MMDadoda  
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#50  
Toluene-d8  
Concen: 47.860 ug/l  
RT: 8.71 min Scan# 1240  
Delta R.T. 0.00 min  
Lab File: VX005718.D  
Acq: 31 Oct 2018 20:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 62.8  | 51.3  | 76.9  |





#51

4-Methyl-2-Pentanone

Concen: 94.419 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. 0.00 min

Lab File: VX005718.D

Acq: 31 Oct 2018 20:49

Instrument :

MSVOA\_X

ClientSampleId :

VX1031MBSD01

Tot Ion: 43 Resp: 288565

Ion Ratio Lower Upper

43 100

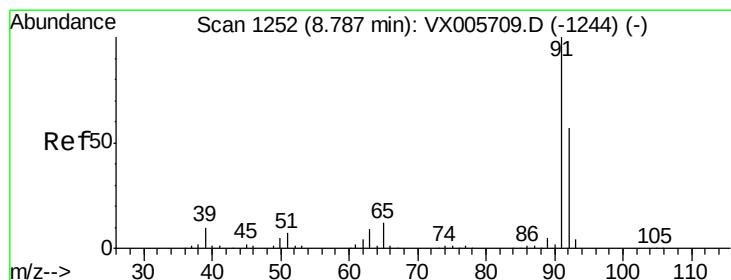
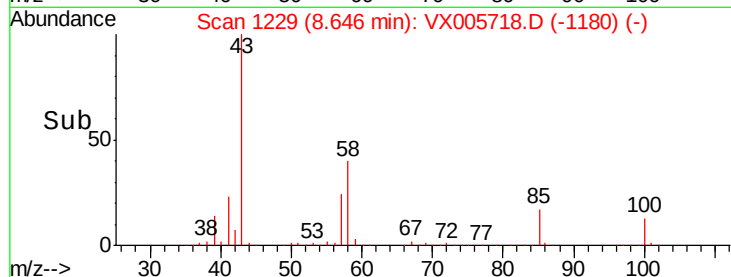
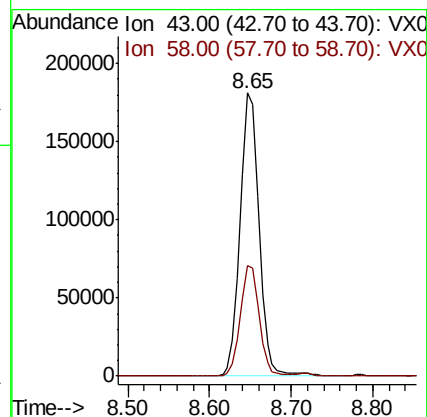
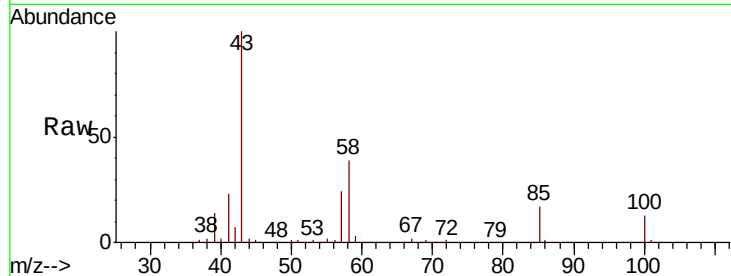
58 38.6 29.7 44.5

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#52

Toluene

Concen: 20.188 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX005718.D

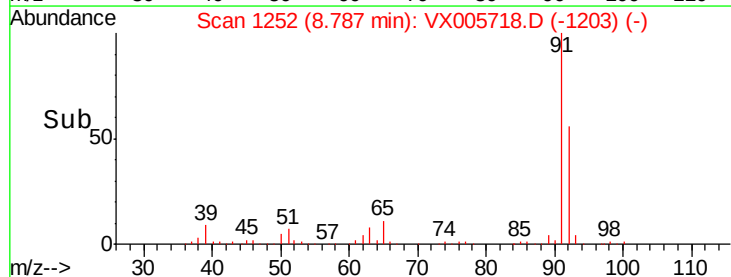
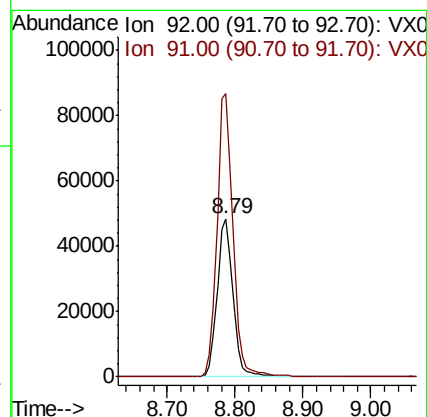
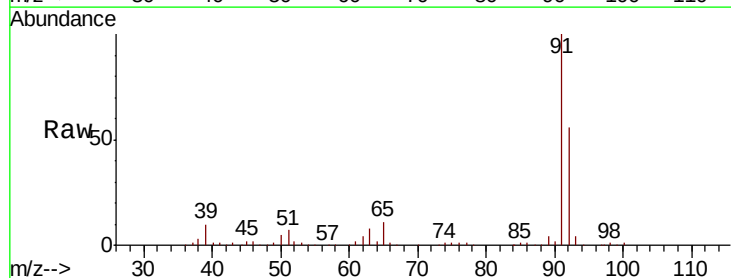
Acq: 31 Oct 2018 20:49

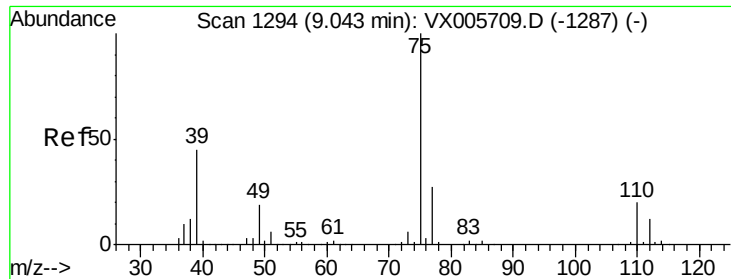
Tgt Ion: 92 Resp: 78635

Ion Ratio Lower Upper

92 100

91 180.2 140.4 210.6





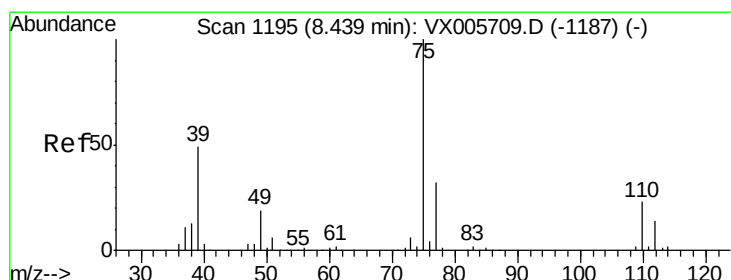
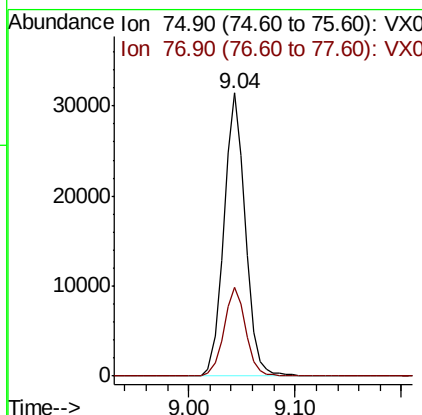
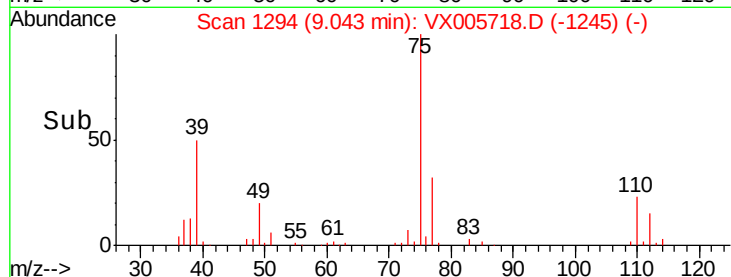
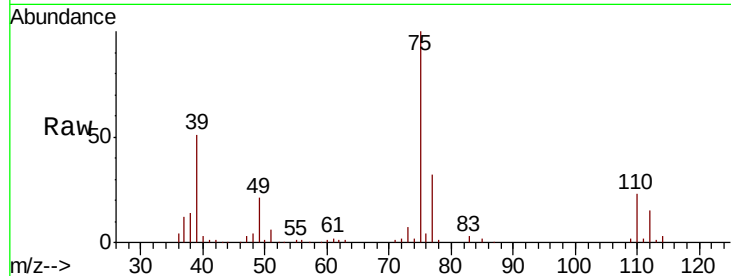
#53  
t-1,3-Dichloropropene  
Concen: 18.470 ug/l  
RT: 9.04 min Scan# 1294  
Delta R.T. 0.00 min  
Lab File: VX005718.D  
Acq: 31 Oct 2018 20:49

Instrument :  
MSVOA\_X  
ClientSampled :  
VX1031MBS01

Tot Ion: 75 Resp: 44281  
Ion Ratio Lower Upper  
75 100  
77 31.5 25.4 38.2

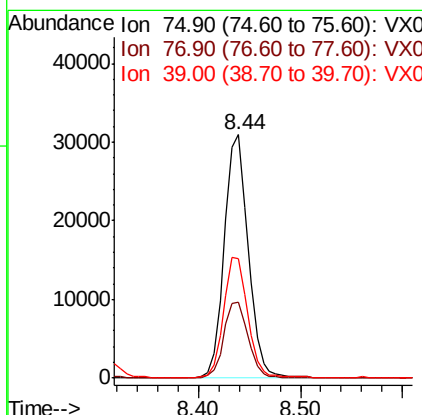
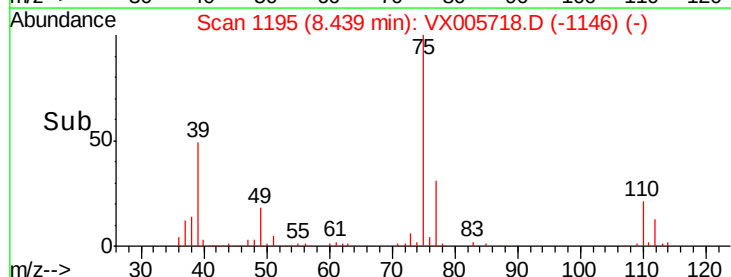
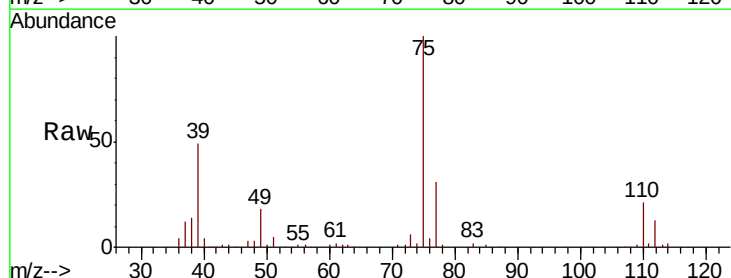
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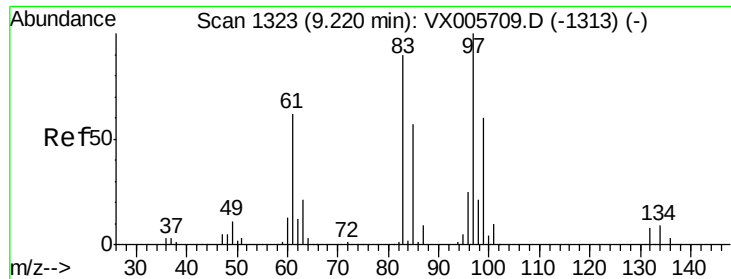


#54  
cis-1,3-Dichloropropene  
Concen: 19.654 ug/l  
RT: 8.44 min Scan# 1195  
Delta R.T. 0.00 min  
Lab File: VX005718.D  
Acq: 31 Oct 2018 20:49

Tgt Ion: 75 Resp: 50482  
Ion Ratio Lower Upper  
75 100  
77 31.1 25.2 37.8  
39 49.1 38.2 57.2







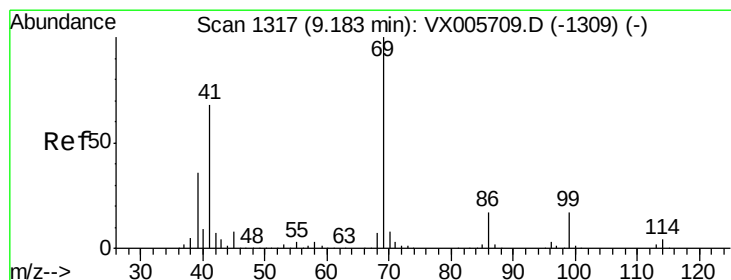
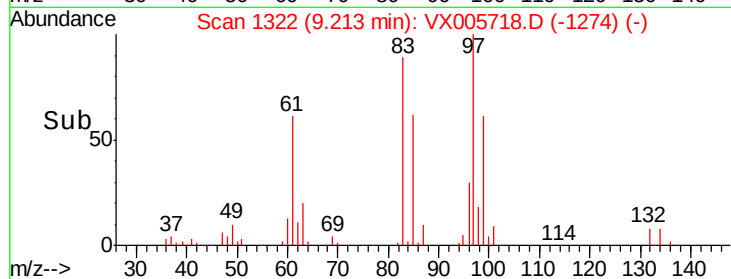
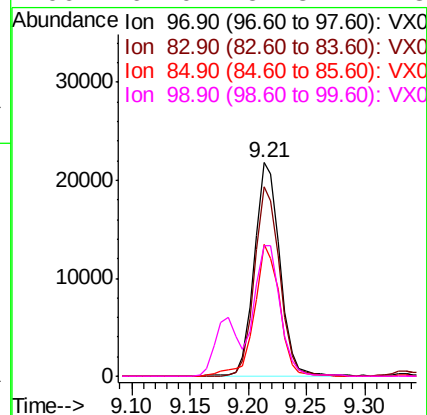
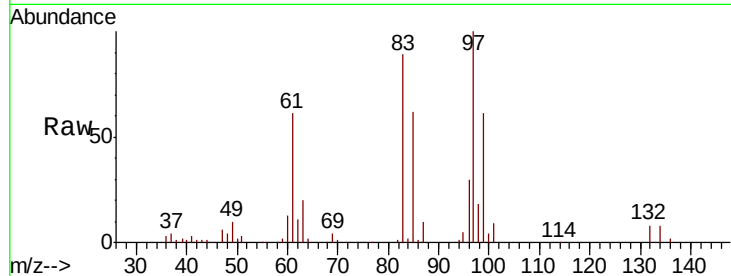
#55  
 1,1,2-Trichloroethane  
 Concen: 19.802 ug/l  
 RT: 9.21 min Scan# 1322  
 Delta R.T. -0.01 min  
 Lab File: VX005718.D  
 Acq: 31 Oct 2018 20:49

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX1031MBSD01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 97    | Resp: | 33496 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 89.0  | 70.7  | 106.1 |
| 85       | 61.9  | 45.8  | 68.6  |
| 99       | 61.0  | 51.8  | 77.8  |

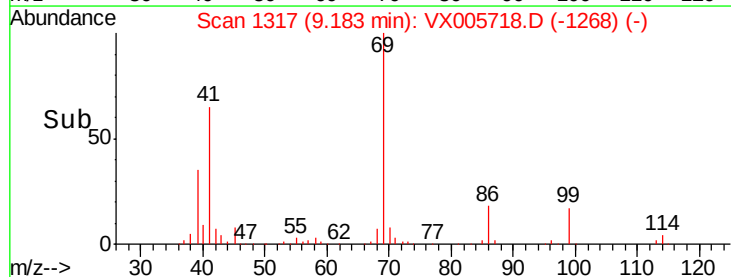
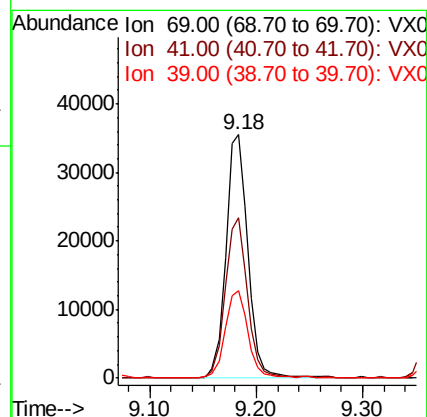
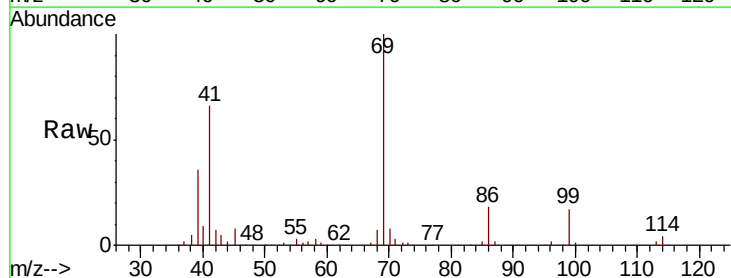
Manual Integrations  
 APPROVED

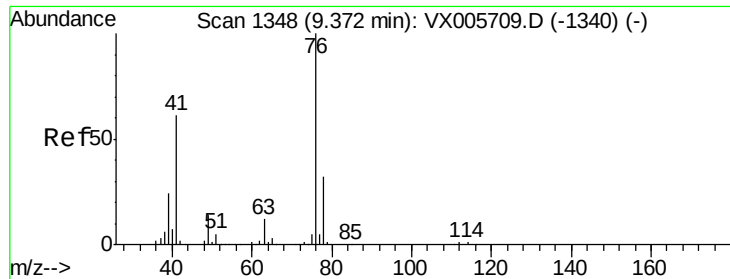
MMDadoda  
 11/1/2018 9:49:42 AM



#56  
 Ethyl methacrylate  
 Concen: 19.419 ug/l  
 RT: 9.18 min Scan# 1317  
 Delta R.T. 0.00 min  
 Lab File: VX005718.D  
 Acq: 31 Oct 2018 20:49

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 69    | Resp: | 51194 |
| Ion      | Ratio | Lower | Upper |
| 69       | 100   |       |       |
| 41       | 66.8  | 57.0  | 85.6  |
| 39       | 36.7  | 28.3  | 42.5  |





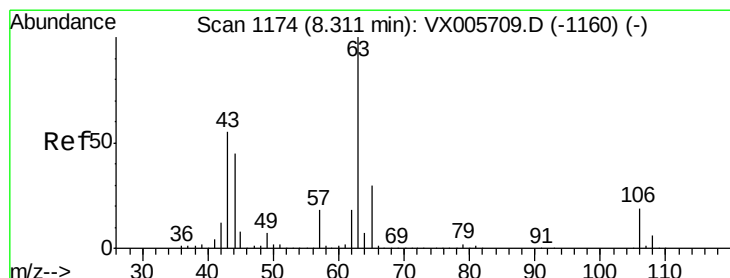
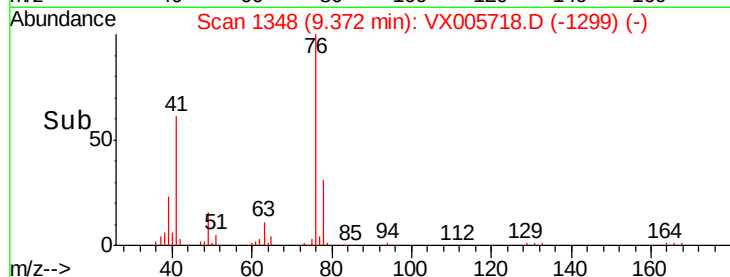
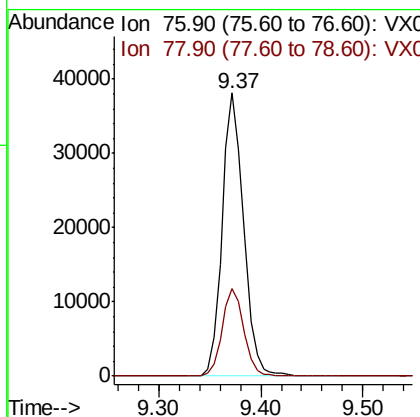
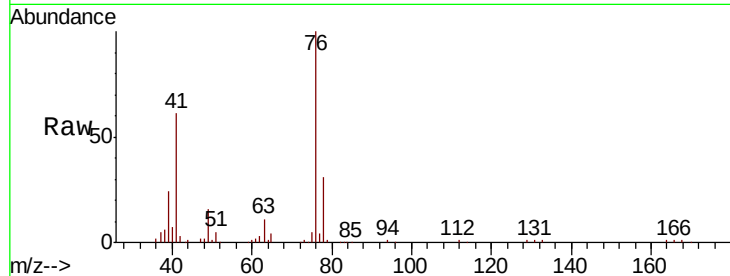
#57  
 1,3-Dichloropropane  
 Concen: 19.232 ug/l  
 RT: 9.37 min Scan# 1348  
 Delta R.T. 0.00 min  
 Lab File: VX005718.D  
 Acq: 31 Oct 2018 20:49

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX1031MBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 31.4  | 25.3  | 37.9  |

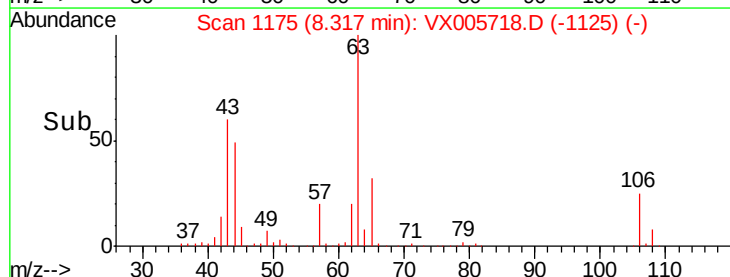
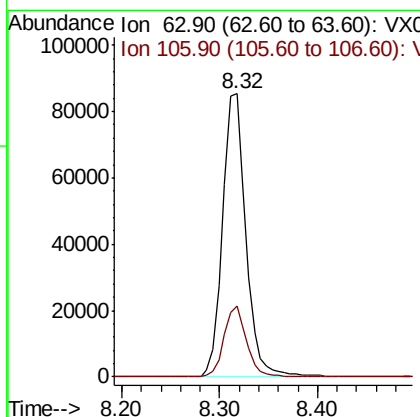
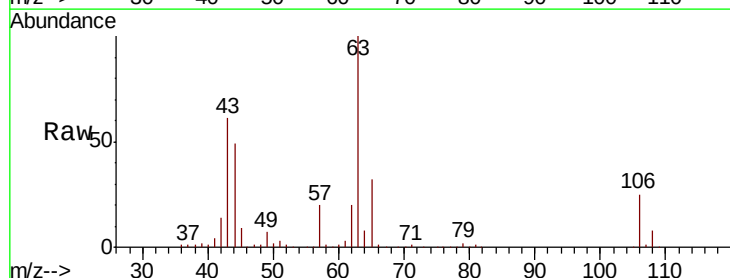
Manual Integrations  
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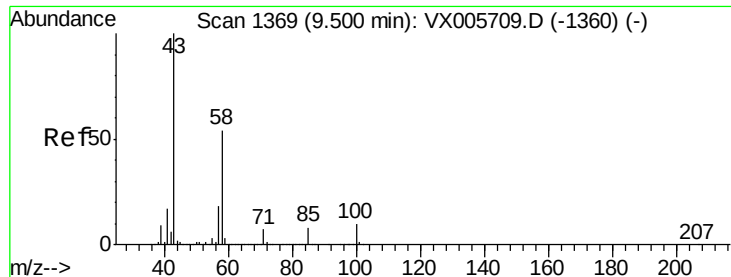
MMDadoda  
 11/1/2018 9:49:42 AM



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 93.535 ug/l  
 RT: 8.32 min Scan# 1175  
 Delta R.T. 0.01 min  
 Lab File: VX005718.D  
 Acq: 31 Oct 2018 20:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 106     | 24.3  | 21.3  | 31.9  |





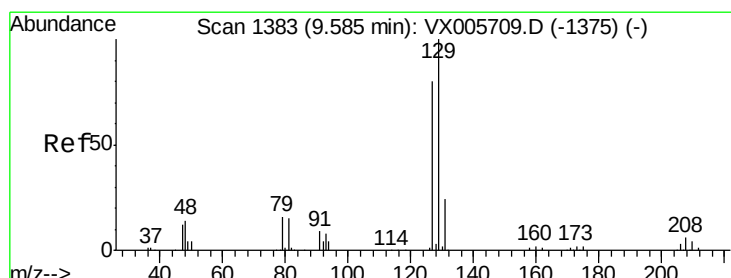
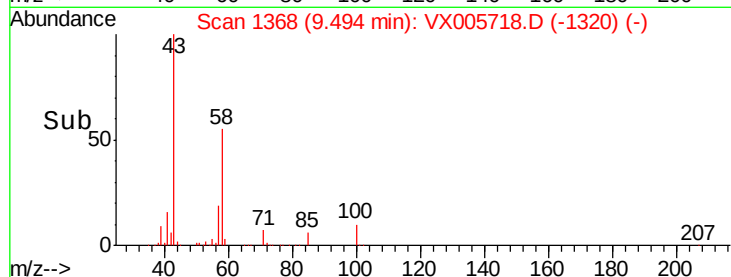
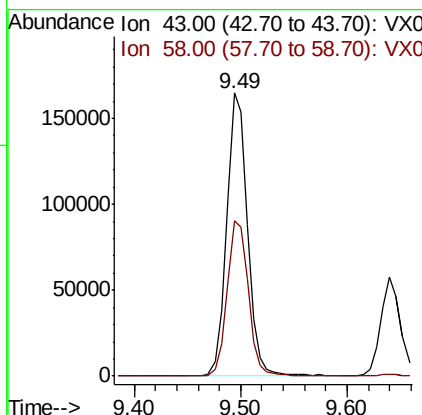
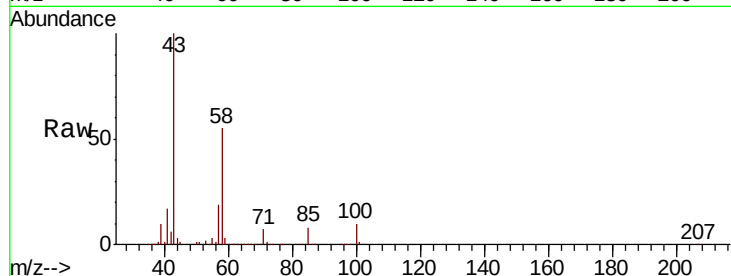
#59  
2-Hexanone  
Concen: 90.957 ug/l  
RT: 9.49 min Scan# 1368  
Delta R.T. -0.01 min  
Lab File: VX005718.D  
Acq: 31 Oct 2018 20:49

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1031MBSD01

Tot Ion: 43 Resp: 226224  
Ion Ratio Lower Upper  
43 100  
58 56.3 25.9 77.8

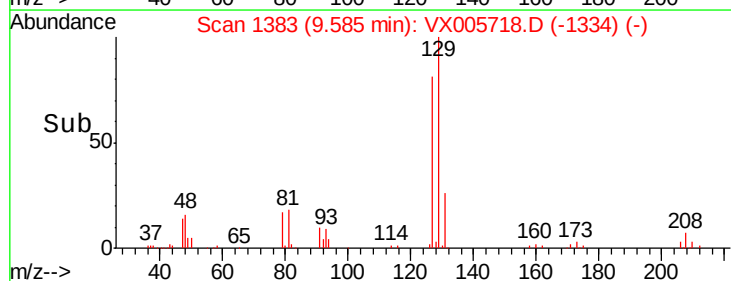
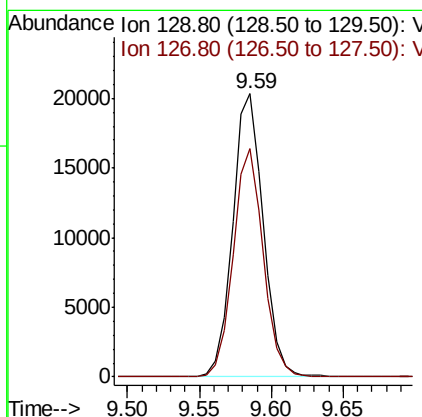
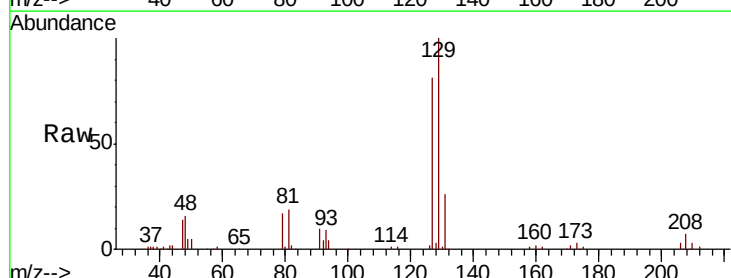
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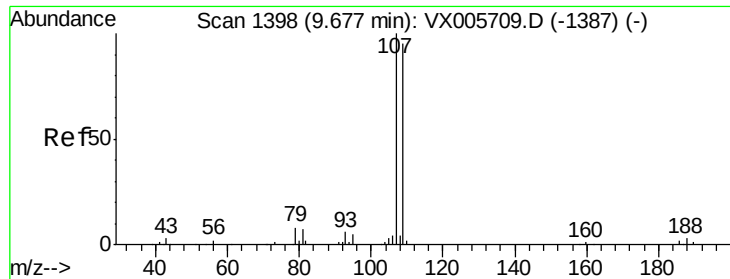
MMDadoda  
11/1/2018 9:49:42 AM



#60  
Dibromochloromethane  
Concen: 18.372 ug/l  
RT: 9.59 min Scan# 1383  
Delta R.T. 0.00 min  
Lab File: VX005718.D  
Acq: 31 Oct 2018 20:49

Tgt Ion: 129 Resp: 30030  
Ion Ratio Lower Upper  
129 100  
127 79.1 38.9 116.7





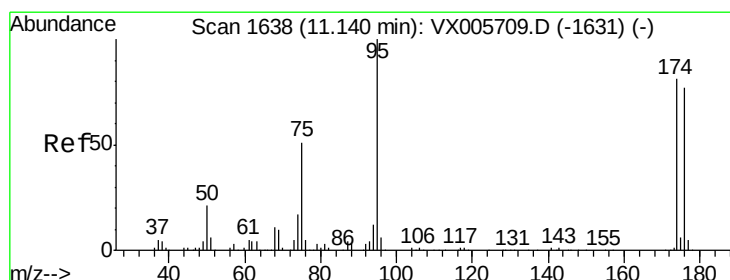
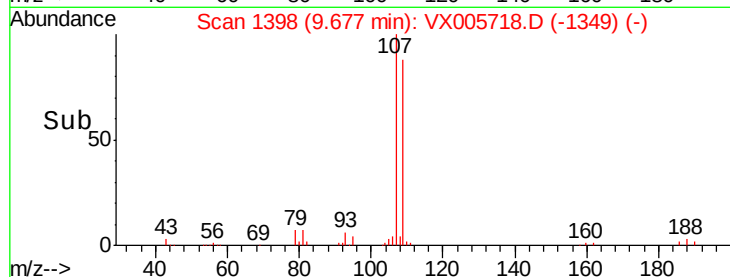
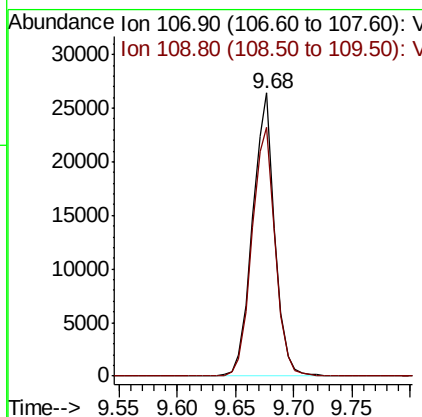
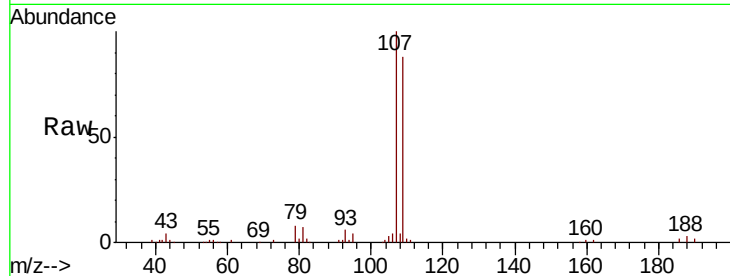
#61  
 1,2-Dibromoethane  
 Concen: 20.332 ug/l  
 RT: 9.68 min Scan# 1398  
 Delta R.T. 0.00 min  
 Lab File: VX005718.D  
 Acq: 31 Oct 2018 20:49

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX1031MBSD01

Tot Ion:107 Resp: 35045  
 Ion Ratio Lower Upper  
 107 100  
 109 92.6 75.7 113.5

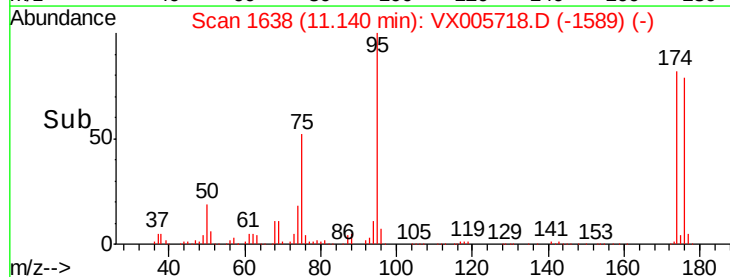
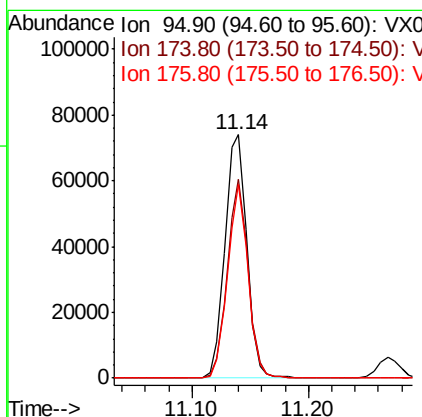
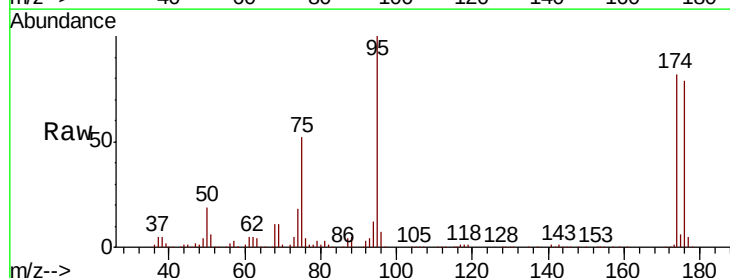
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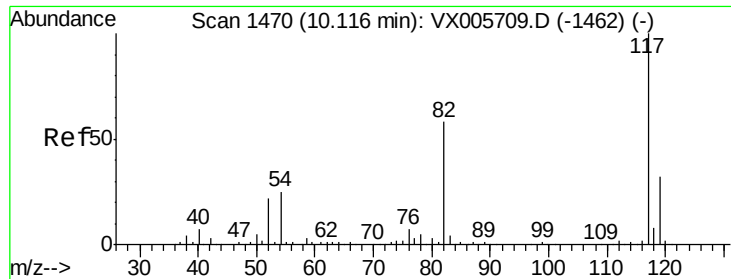
MMDadoda  
 11/1/2018 9:49:42 AM



#62  
 4-Bromofluorobenzene  
 Concen: 47.387 ug/l  
 RT: 11.14 min Scan# 1638  
 Delta R.T. 0.00 min  
 Lab File: VX005718.D  
 Acq: 31 Oct 2018 20:49

Tgt Ion: 95 Resp: 96494  
 Ion Ratio Lower Upper  
 95 100  
 174 77.8 0.0 184.4  
 176 74.5 0.0 177.4





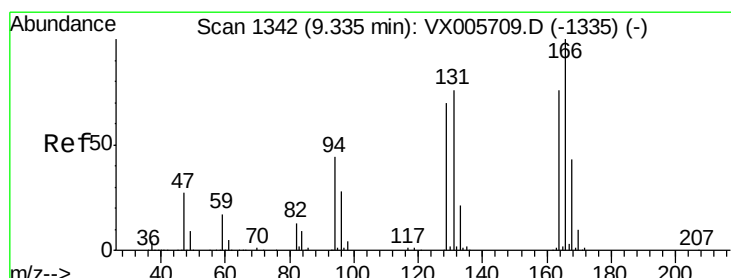
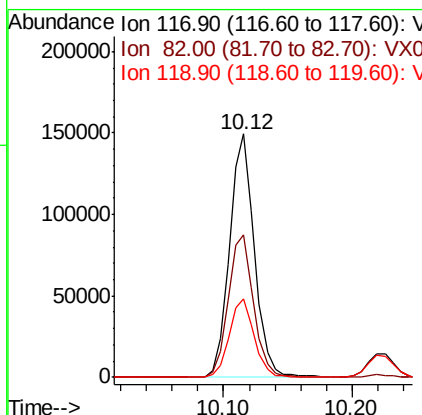
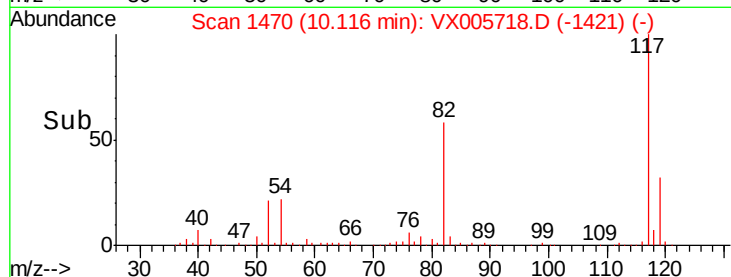
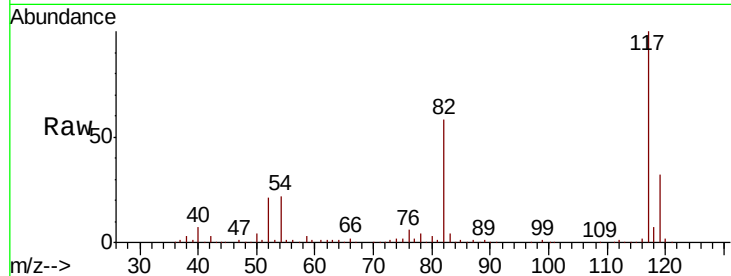
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.12 min Scan# 1470  
Delta R.T. 0.00 min  
Lab File: VX005718.D  
Acq: 31 Oct 2018 20:49

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1031MBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 58.4  | 44.1  | 66.1  |
| 119     | 32.4  | 26.2  | 39.2  |

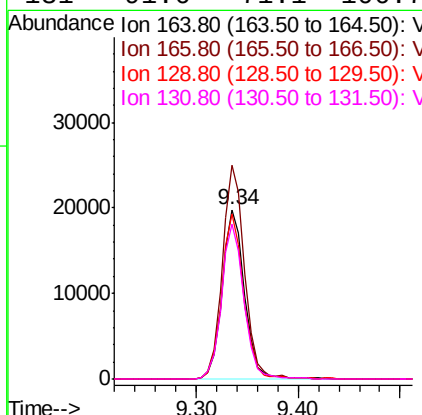
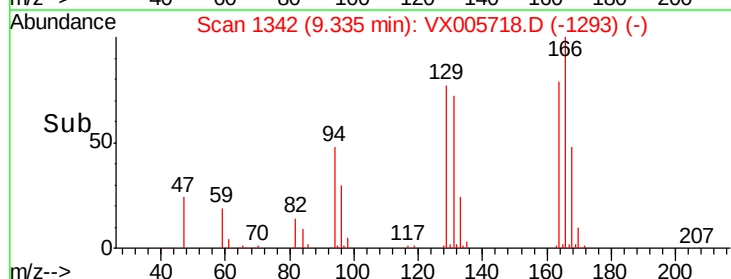
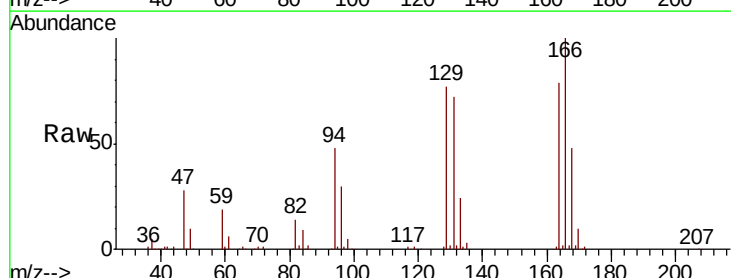
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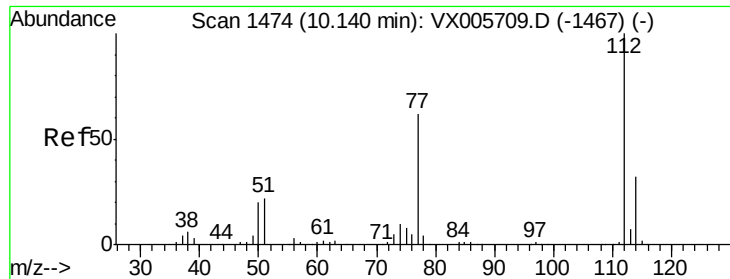
MMDadoda  
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#64  
Tetrachloroethene  
Concen: 20.301 ug/l  
RT: 9.34 min Scan# 1342  
Delta R.T. 0.00 min  
Lab File: VX005718.D  
Acq: 31 Oct 2018 20:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 166     | 126.4 | 101.9 | 152.9 |
| 129     | 97.5  | 72.6  | 109.0 |
| 131     | 91.6  | 71.1  | 106.7 |





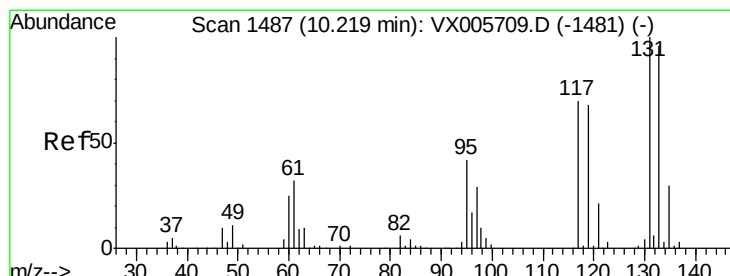
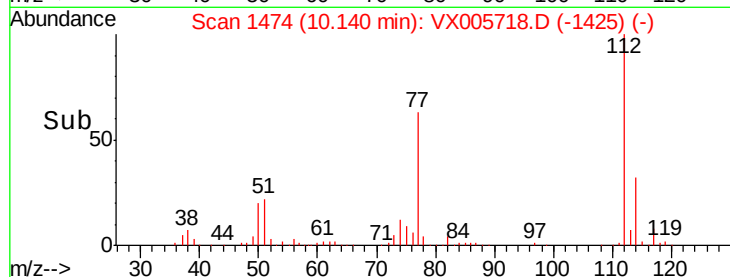
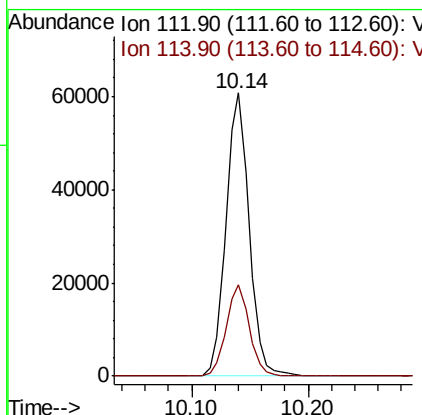
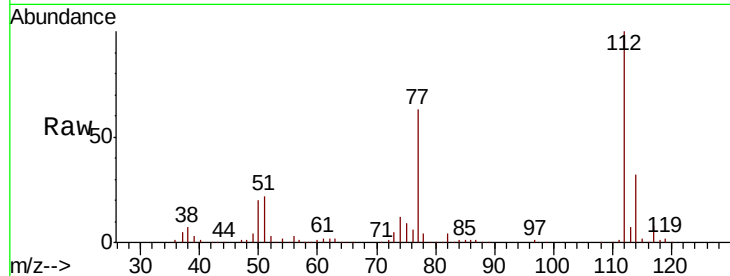
#65  
Chlorobenzene  
Concen: 19.496 ug/l  
RT: 10.14 min Scan# 1474  
Delta R.T. 0.00 min  
Lab File: VX005718.D  
Acq: 31 Oct 2018 20:49

Instrument :  
MSVOA\_X  
ClientSampled :  
VX1031MBSD01

Tot Ion:112 Resp: 83814  
Ion Ratio Lower Upper  
112 100  
114 32.2 25.8 38.6

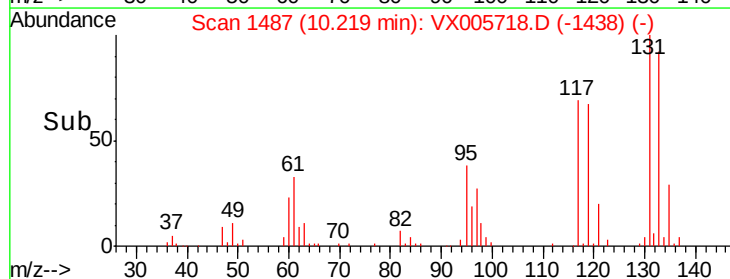
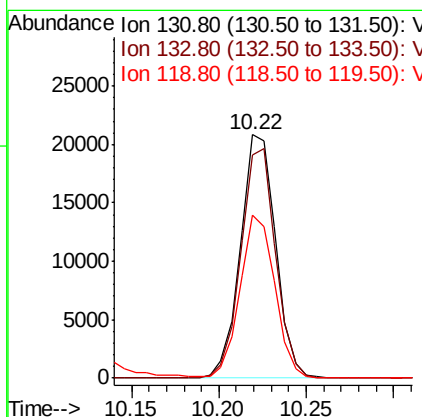
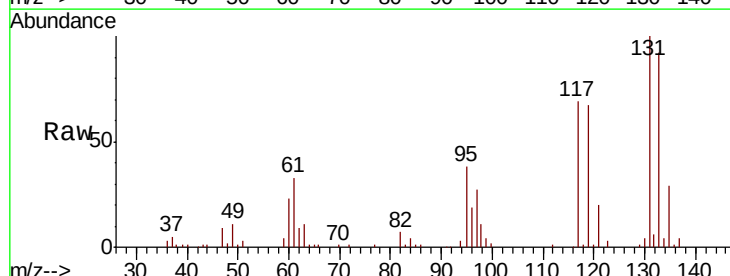
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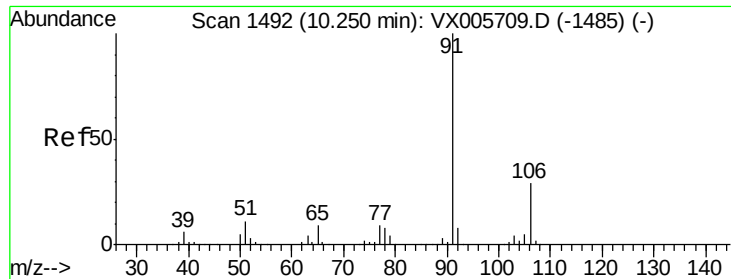
MMDadoda  
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#66  
1,1,1,2-Tetrachloroethane  
Concen: 19.825 ug/l  
RT: 10.22 min Scan# 1487  
Delta R.T. 0.00 min  
Lab File: VX005718.D  
Acq: 31 Oct 2018 20:49

Tgt Ion:131 Resp: 29176  
Ion Ratio Lower Upper  
131 100  
133 93.0 47.5 142.5  
119 66.6 31.8 95.3





#67

Ethyl Benzene

Concen: 20.007 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX005718.D

Acq: 31 Oct 2018 20:49

Instrument :

MSVOA\_X

ClientSampleId :

VX1031MBS01

Tot Ion: 91 Resp: 146791

Ion Ratio Lower Upper

91 100

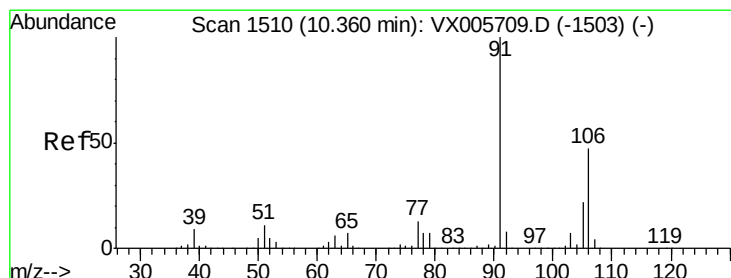
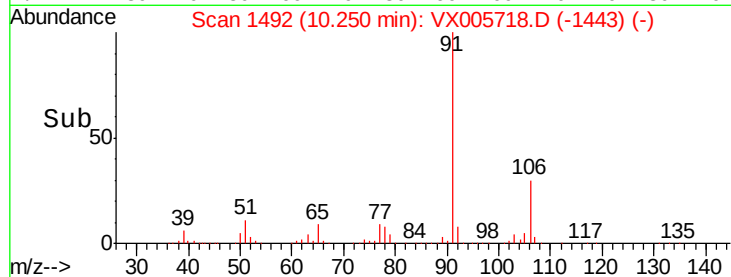
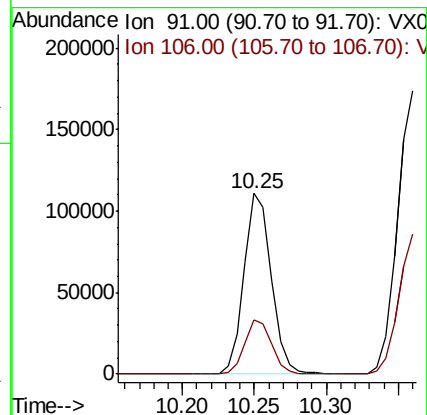
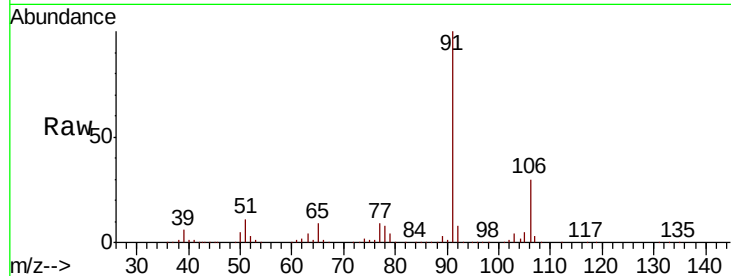
106 29.7 24.4 36.6

Manual Integrations

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11/1/2018 9:49:42 AM



#68

m/p-Xylenes

Concen: 41.191 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX005718.D

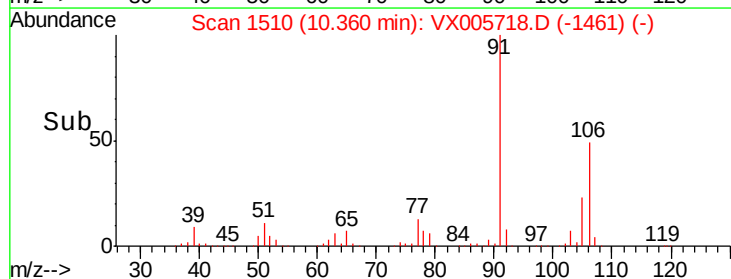
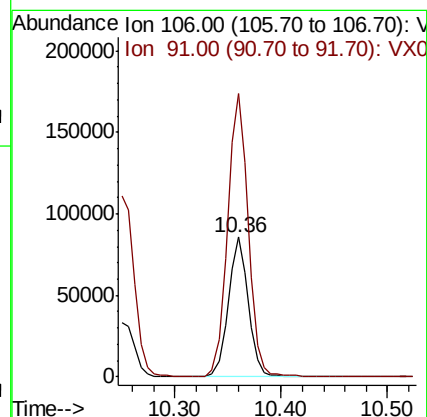
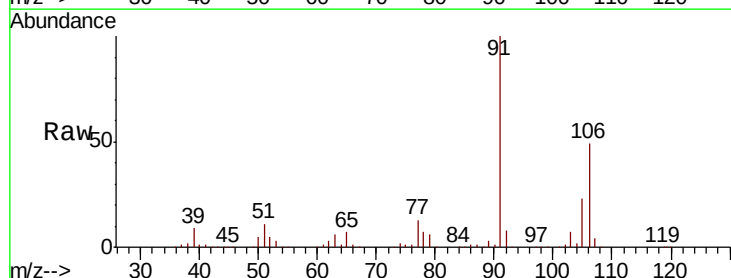
Acq: 31 Oct 2018 20:49

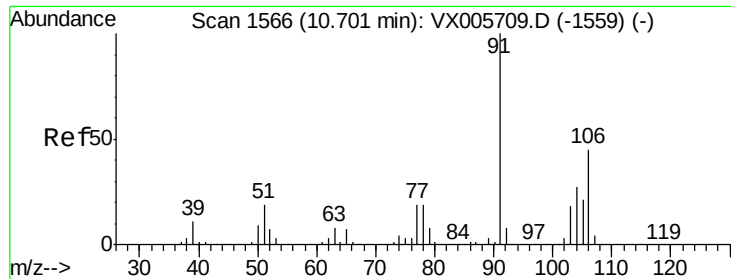
Tgt Ion: 106 Resp: 112298

Ion Ratio Lower Upper

106 100

91 210.4 164.2 246.4





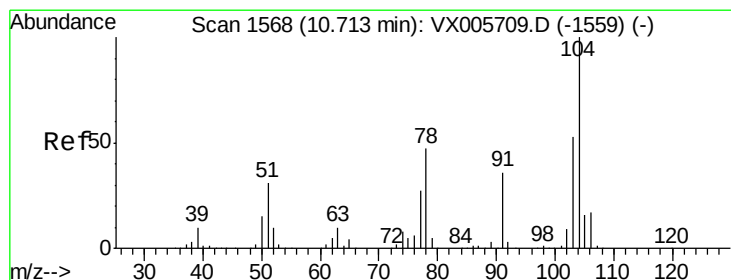
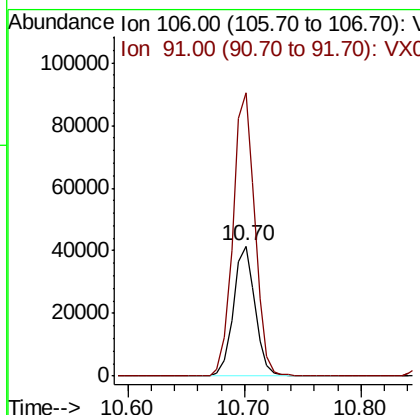
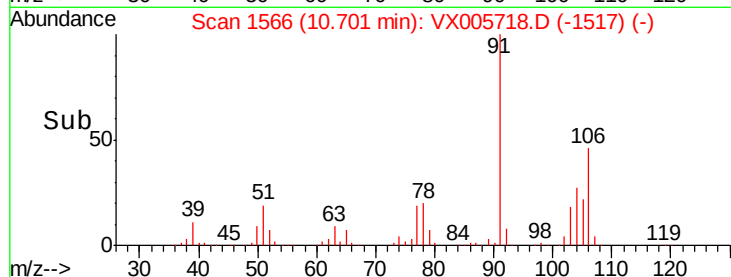
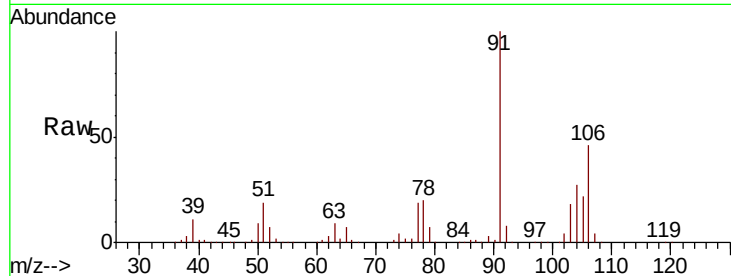
#69  
o-Xylene  
Concen: 20.592 ug/l  
RT: 10.70 min Scan# 1566  
Delta R.T. 0.00 min  
Lab File: VX005718.D  
Acq: 31 Oct 2018 20:49

Instrument :  
MSVOA\_X  
ClientSampled :  
VX1031MBSD01

Tot Ion:106 Resp: 53693  
Ion Ratio Lower Upper  
106 100  
91 220.8 108.5 325.5

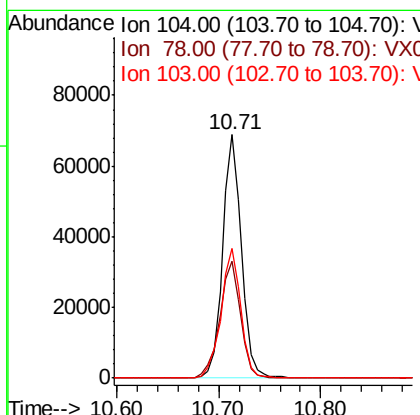
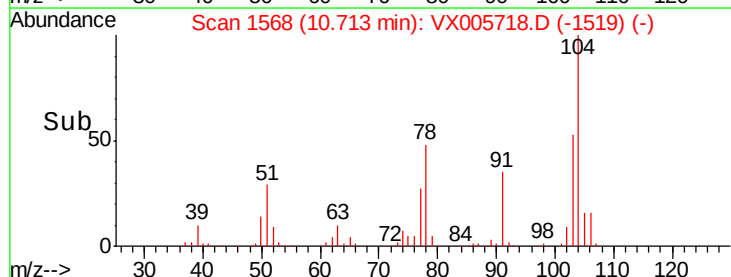
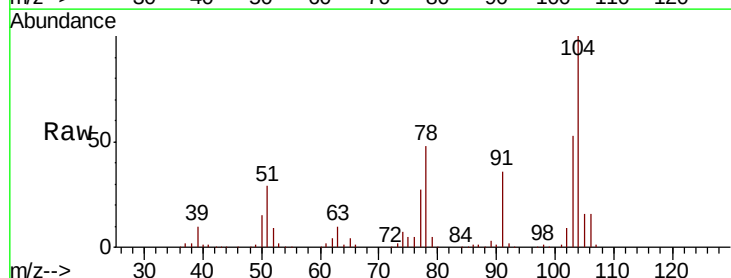
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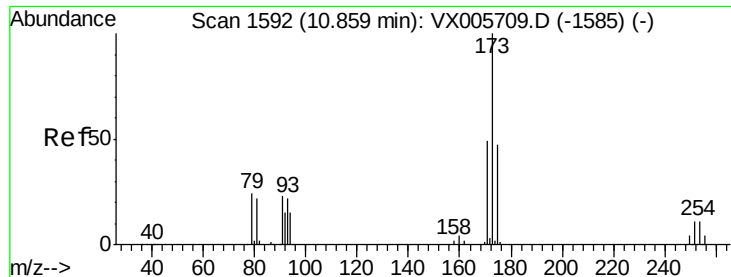


#70  
Styrene  
Concen: 20.442 ug/l  
RT: 10.71 min Scan# 1568  
Delta R.T. 0.00 min  
Lab File: VX005718.D  
Acq: 31 Oct 2018 20:49

Tgt Ion:104 Resp: 88531  
Ion Ratio Lower Upper  
104 100  
78 53.3 40.2 60.4  
103 56.1 44.9 67.3







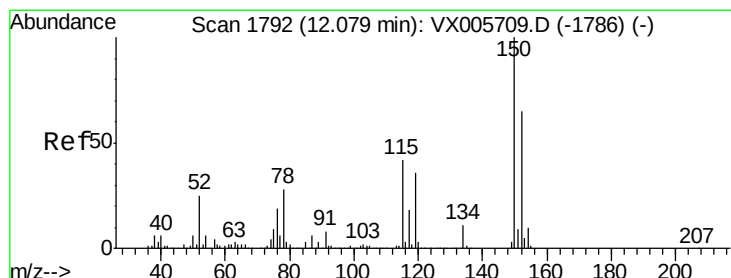
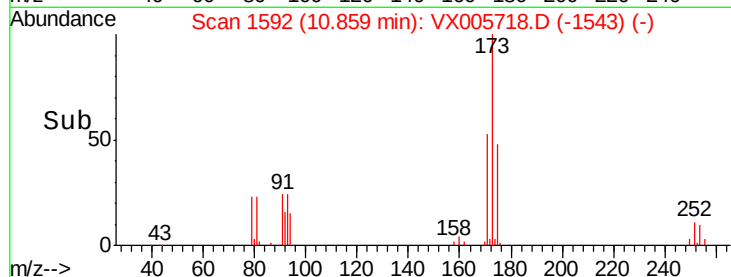
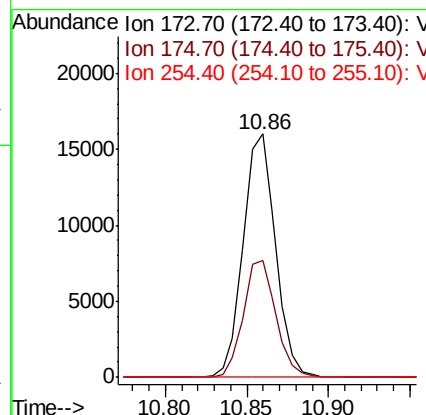
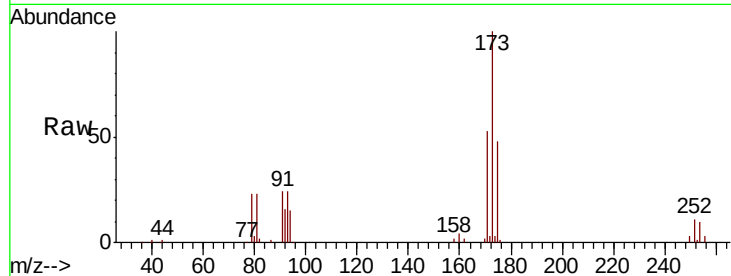
#71  
Bromoform  
Concen: 18.538 ug/l  
RT: 10.86 min Scan# 1592  
Delta R.T. 0.00 min  
Lab File: VX005718.D  
Acq: 31 Oct 2018 20:49

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1031MBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 173     | 100   |       |       |
| 175     | 48.1  | 24.8  | 74.3  |
| 254     | 0.0   | 0.2   | 0.2   |

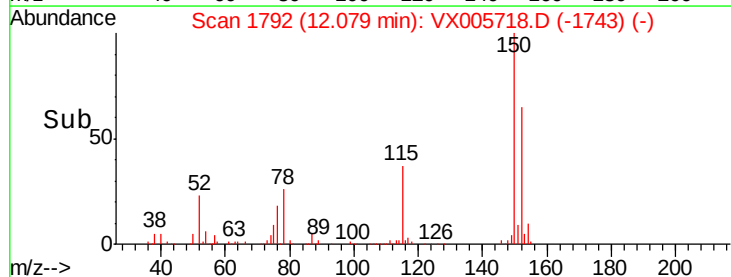
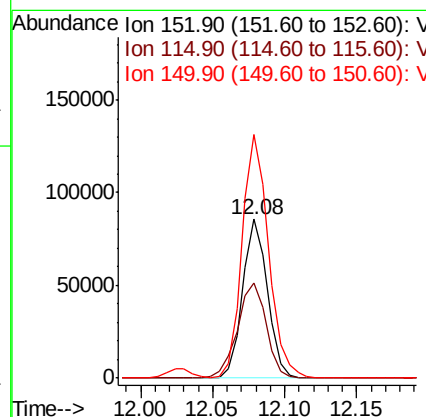
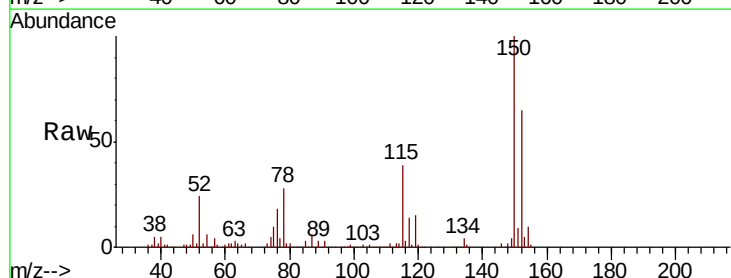
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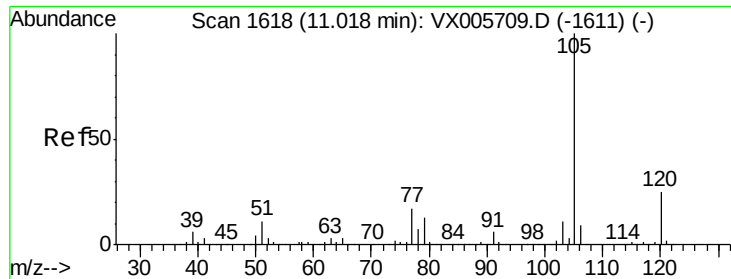
MMDadoda  
11/1/2018 9:49:42 AM



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.08 min Scan# 1792  
Delta R.T. 0.00 min  
Lab File: VX005718.D  
Acq: 31 Oct 2018 20:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 69.7  | 39.4  | 118.1 |
| 150     | 163.8 | 0.0   | 346.4 |





#73

Isopropylbenzene

Concen: 21.368 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX005718.D

Acq: 31 Oct 2018 20:49

Instrument :

MSVOA\_X

ClientSampleId :

VX1031MBSD01

Tot Ion: 105 Resp: 144610

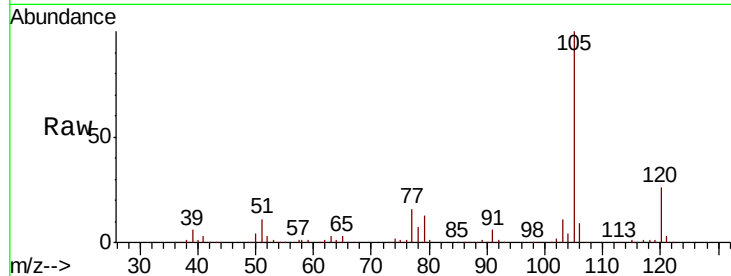
Ion Ratio Lower Upper

105 100

120 26.4 13.1 39.3

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.02

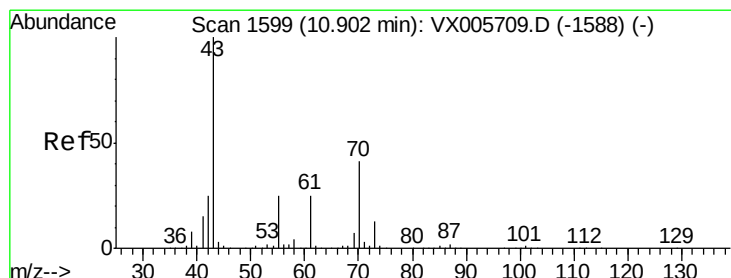
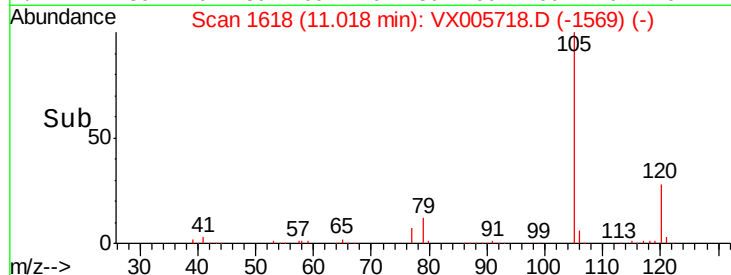
100000

50000

0

Time-->

11.00 11.10



#74

N-ethyl acetate

Concen: 19.776 ug/l

RT: 10.90 min Scan# 1599

Delta R.T. 0.00 min

Lab File: VX005718.D

Acq: 31 Oct 2018 20:49

Tgt Ion: 43 Resp: 71256

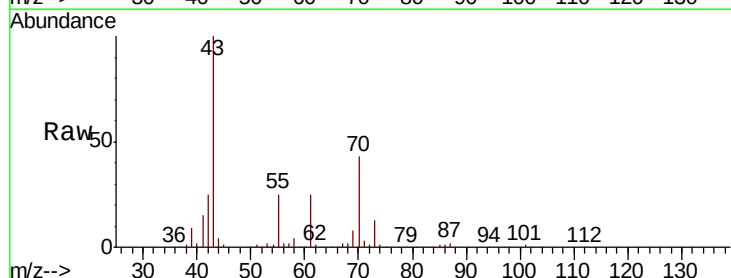
Ion Ratio Lower Upper

43 100

70 42.1 31.6 47.4

55 25.5 19.7 29.5

61 24.4 18.3 27.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

80000

60000

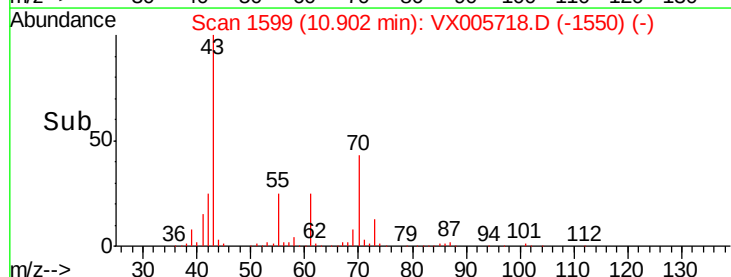
40000

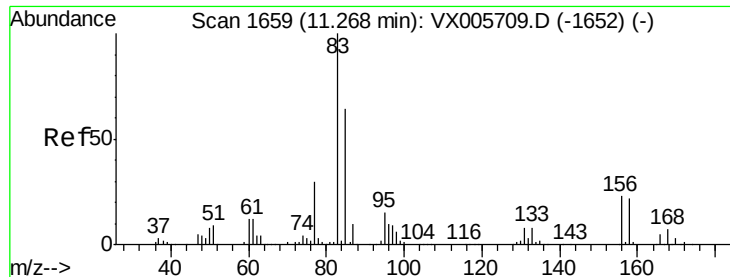
20000

0

Time-->

10.90 11.00





#75

1,1,2,2-Tetrachloroethane

Concen: 19.540 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX005718.D

Acq: 31 Oct 2018 20:49

Instrument :

MSVOA\_X

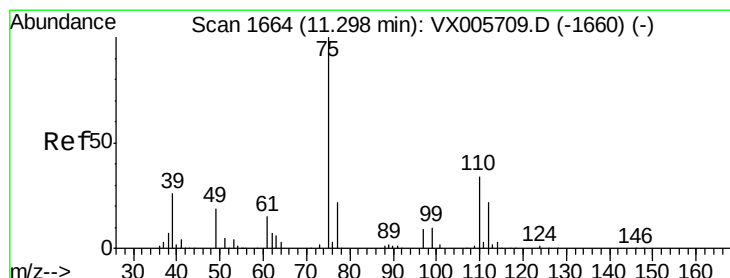
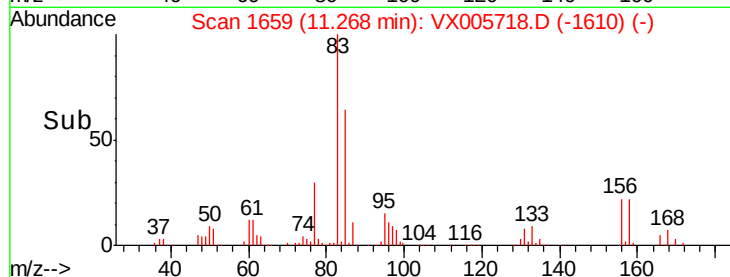
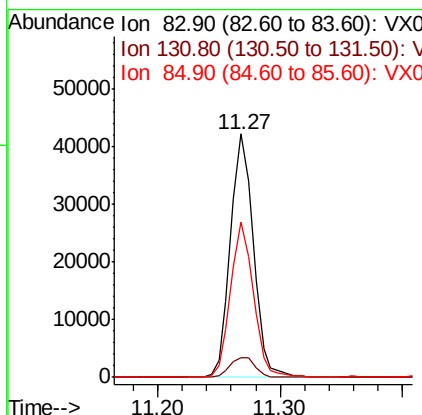
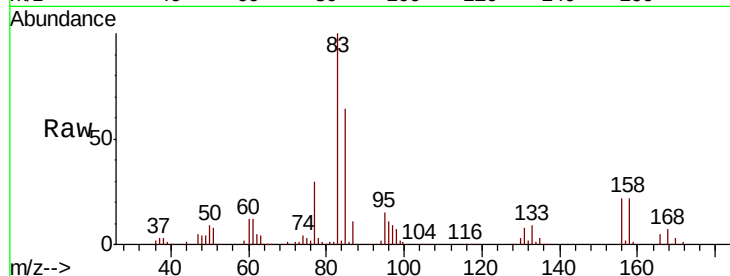
ClientSampleId :

VX1031MBSD01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 83    | Resp: | 54863 |
| Ion Ratio | Lower | Upper |       |
| 83        | 100   |       |       |
| 131       | 8.9   | 5.3   | 15.9  |
| 85        | 63.5  | 32.0  | 96.2  |

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#76

1,2,3-Trichloropropane

Concen: 20.173 ug/l m

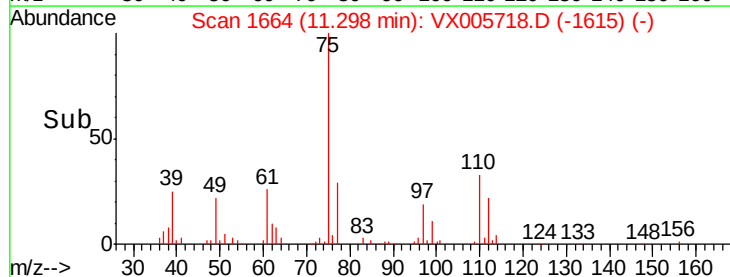
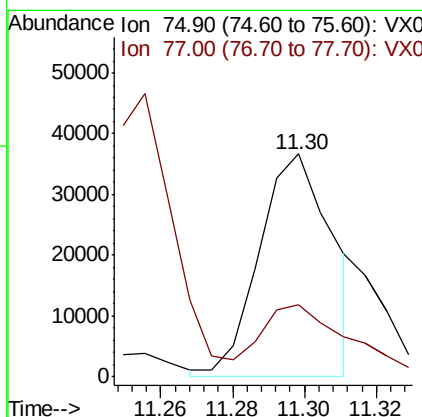
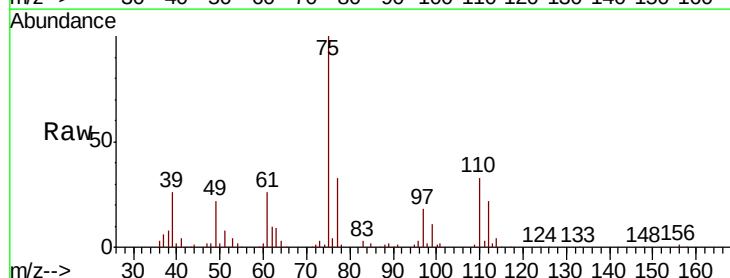
RT: 11.30 min Scan# 1664

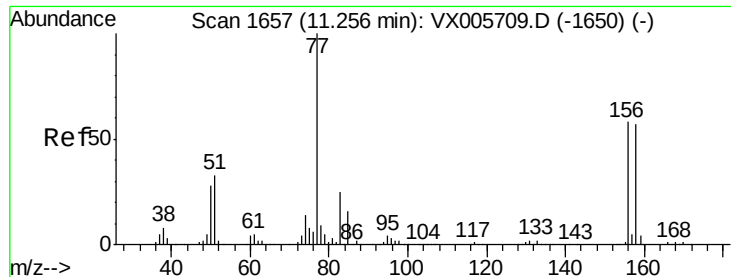
Delta R.T. 0.00 min

Lab File: VX005718.D

Acq: 31 Oct 2018 20:49

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 51538 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 77        | 39.4  | 20.5  | 61.6  |





#77

Bromobenzene

Concen: 20.898 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX005718.D

Acq: 31 Oct 2018 20:49

Instrument :

MSVOA\_X

ClientSampleId :

VX1031MBSD01

Tot Ion:156 Resp: 35084

Ion Ratio Lower Upper

156 100

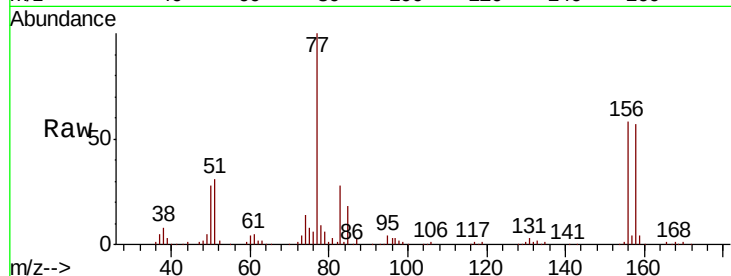
77 171.6 74.8 224.4

158 96.7 49.1 147.3

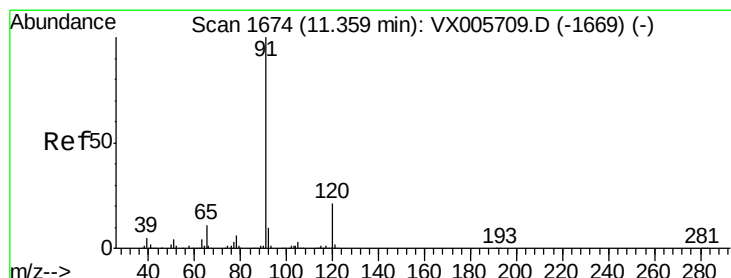
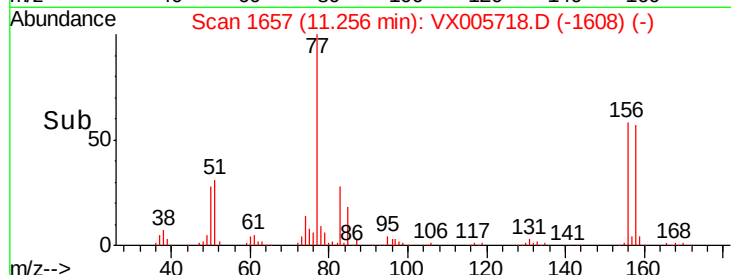
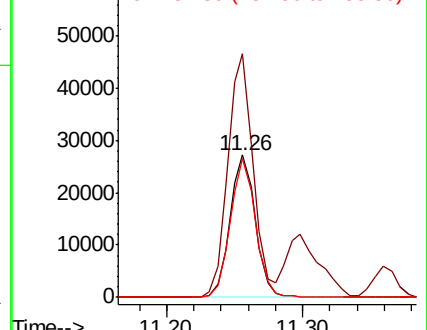
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Abundance Ion 155.80 (155.50 to 156.50): V  
Ion 77.00 (76.70 to 77.70): VX0  
Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.170 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX005718.D

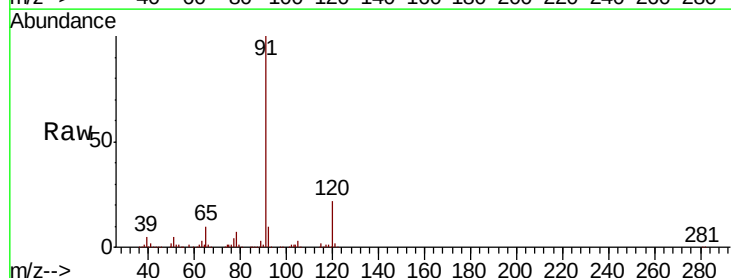
Acq: 31 Oct 2018 20:49

Tgt Ion: 91 Resp: 174286

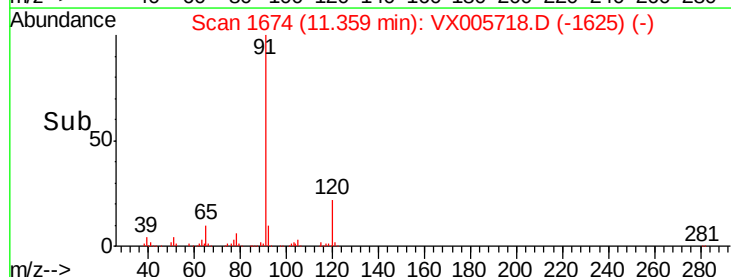
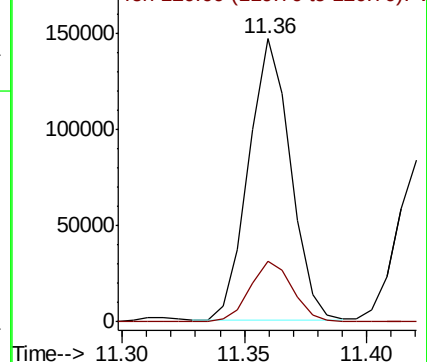
Ion Ratio Lower Upper

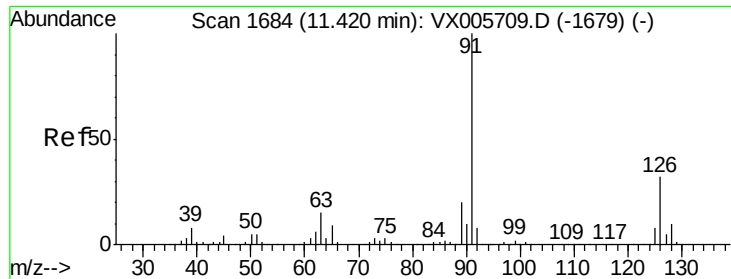
91 100

120 22.1 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VX0  
Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.051 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX005718.D

Acq: 31 Oct 2018 20:49

Instrument :

MSVOA\_X

ClientSampleId :

VX1031MBSD01

Tot Ion: 91 Resp: 103512

Ion Ratio Lower Upper

91 100

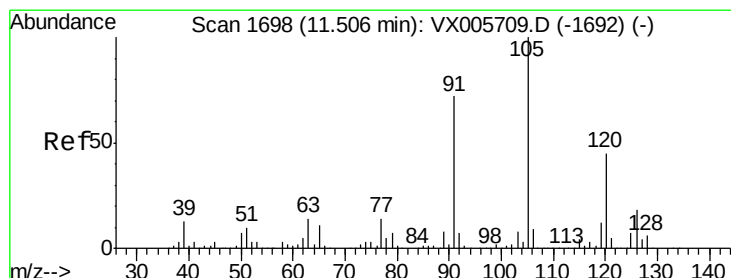
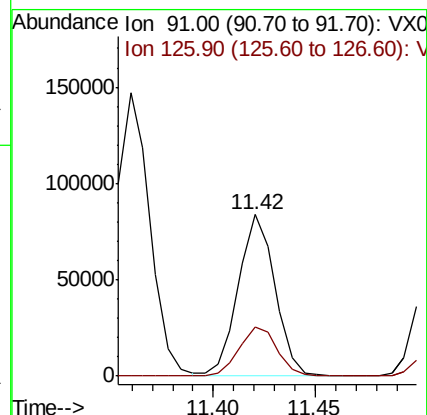
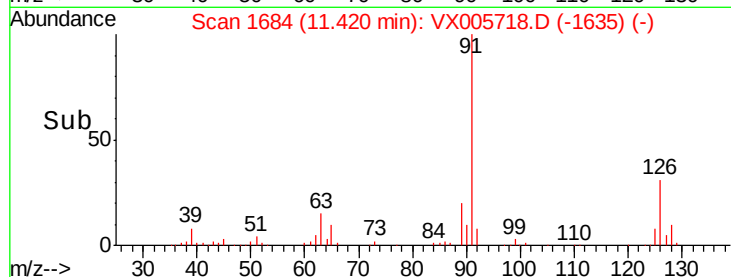
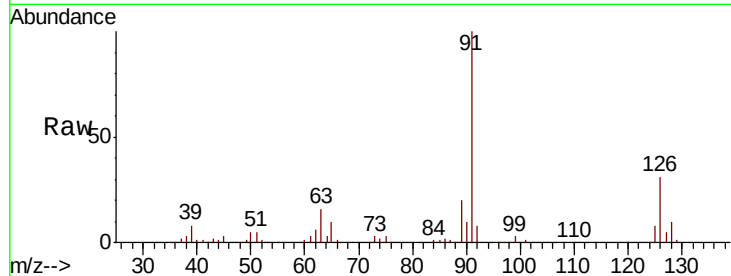
126 32.2 17.3 52.0

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#80

1,3,5-Trimethylbenzene

Concen: 21.549 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX005718.D

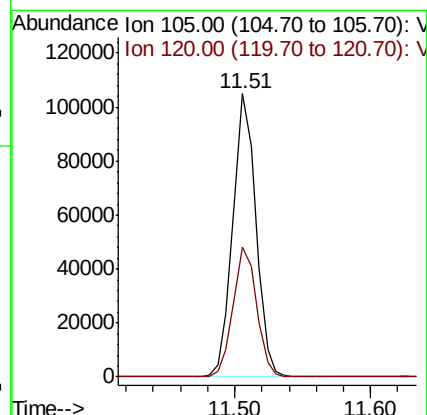
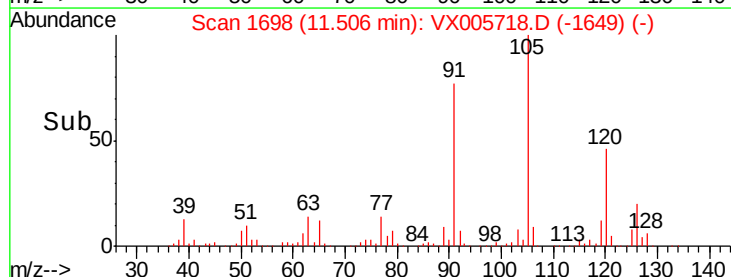
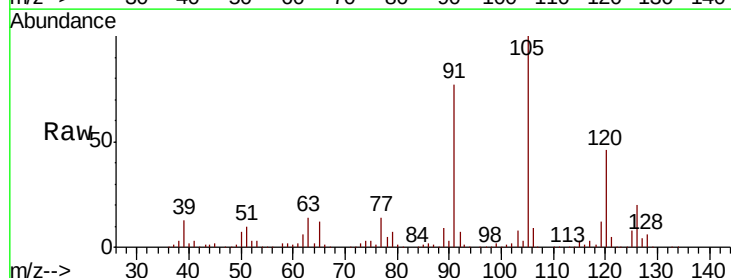
Acq: 31 Oct 2018 20:49

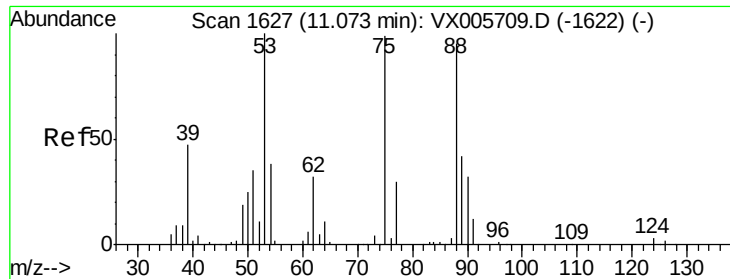
Tgt Ion: 105 Resp: 123823

Ion Ratio Lower Upper

105 100

120 46.9 24.1 72.2





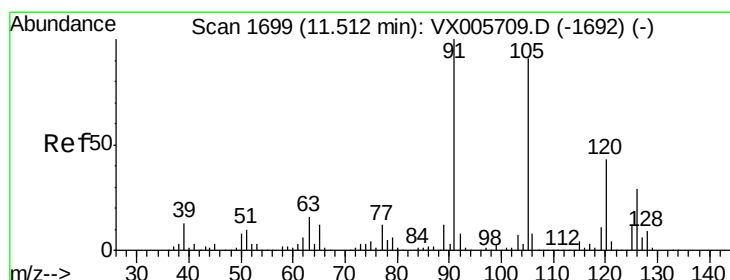
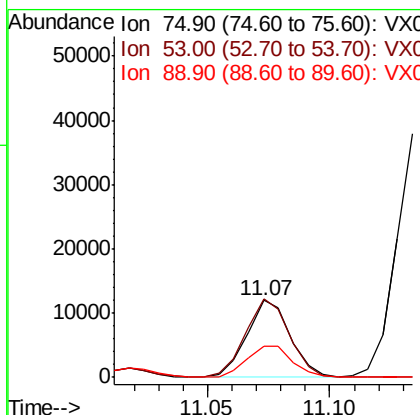
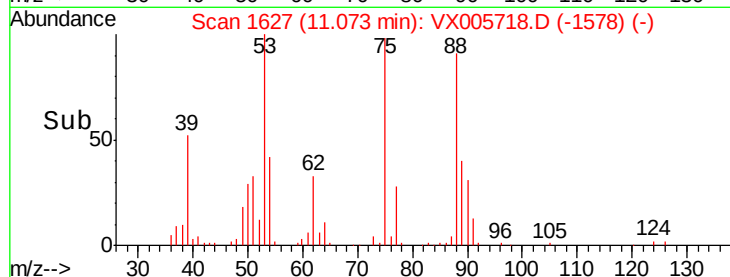
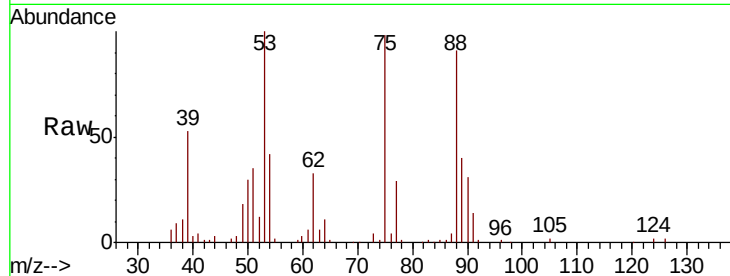
#81  
trans-1,4-Dichloro-2-butene  
Concen: 18.517 ug/l  
RT: 11.07 min Scan# 1627  
Delta R.T. 0.00 min  
Lab File: VX005718.D  
Acq: 31 Oct 2018 20:49

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1031MBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 53      | 104.5 | 80.2  | 120.2 |
| 89      | 43.1  | 39.8  | 59.8  |

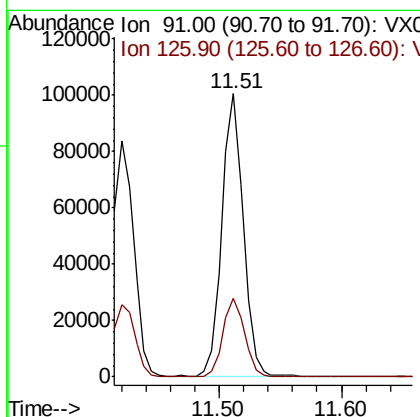
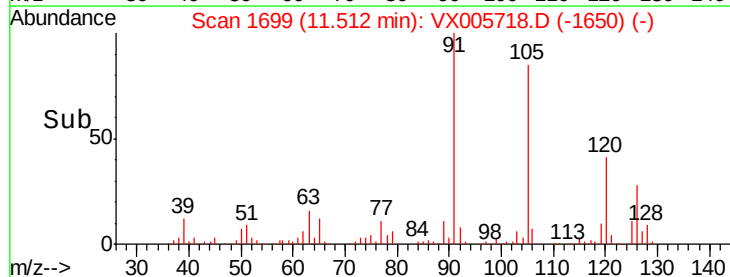
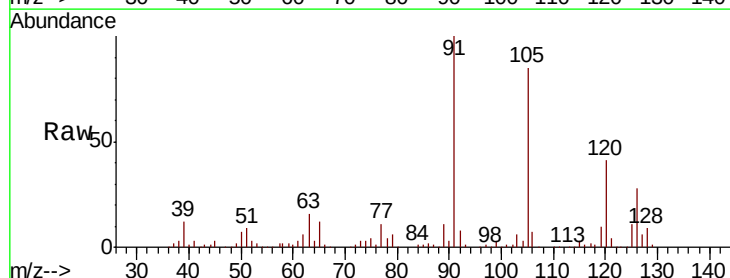
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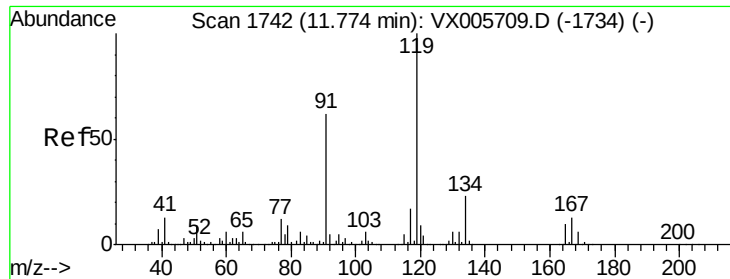
MMDadoda  
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#82  
4-Chlorotoluene  
Concen: 20.956 ug/l  
RT: 11.51 min Scan# 1699  
Delta R.T. 0.00 min  
Lab File: VX005718.D  
Acq: 31 Oct 2018 20:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 126     | 28.1  | 15.2  | 45.6  |





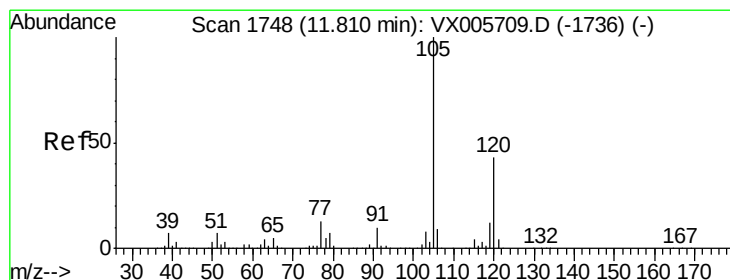
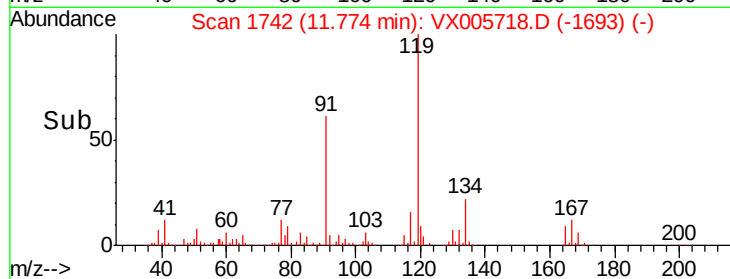
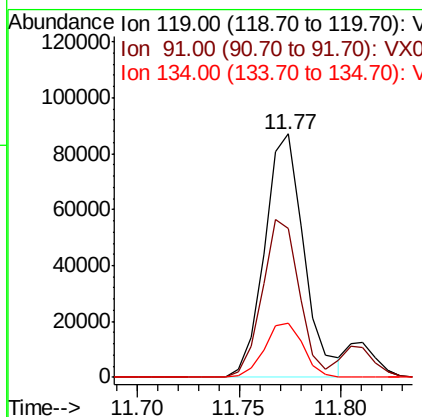
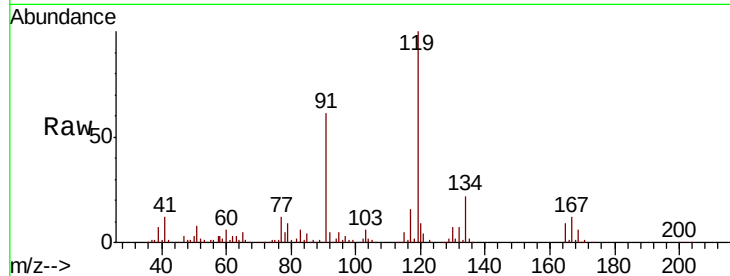
#83  
 tert-Butylbenzene  
 Concen: 21.326 ug/l  
 RT: 11.77 min Scan# 1742  
 Delta R.T. 0.00 min  
 Lab File: VX005718.D  
 Acq: 31 Oct 2018 20:49

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX1031MBS01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 119     | 100   | 116923 |       |       |
| 91      | 61.2  | 28.5   | 85.5  |       |
| 134     | 22.0  | 11.3   | 33.8  |       |

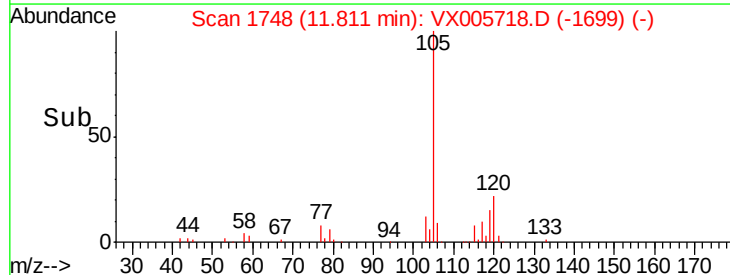
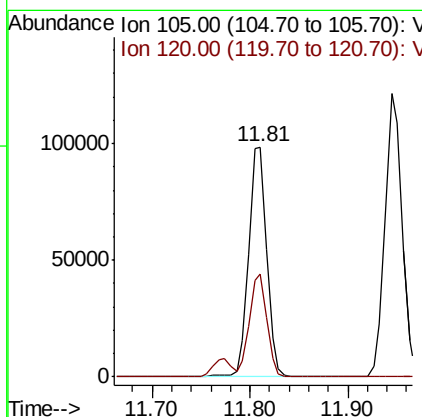
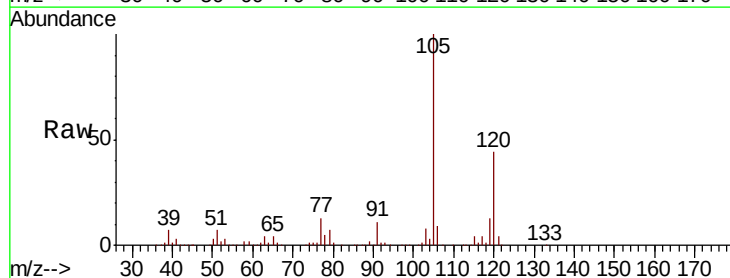
Manual Integrations  
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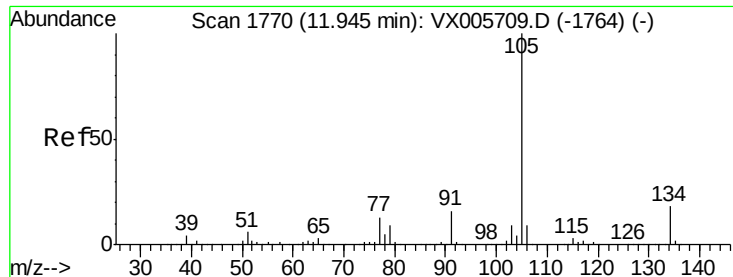
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#84  
 1,2,4-Trimethylbenzene  
 Concen: 21.835 ug/l  
 RT: 11.81 min Scan# 1748  
 Delta R.T. 0.00 min  
 Lab File: VX005718.D  
 Acq: 31 Oct 2018 20:49

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 105     | 100   | 126696 |       |       |
| 120     | 43.0  | 22.4   | 67.0  |       |





#85

sec-Butylbenzene

Concen: 21.007 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX005718.D

Acq: 31 Oct 2018 20:49

Instrument :

MSVOA\_X

ClientSampleId :

VX1031MBS01

Tot Ion:105 Resp: 147740

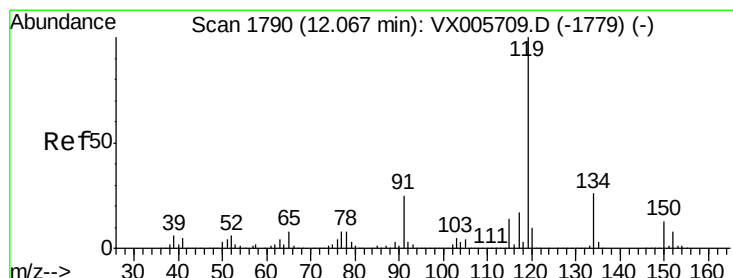
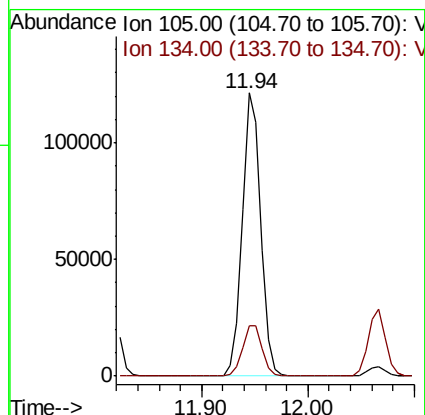
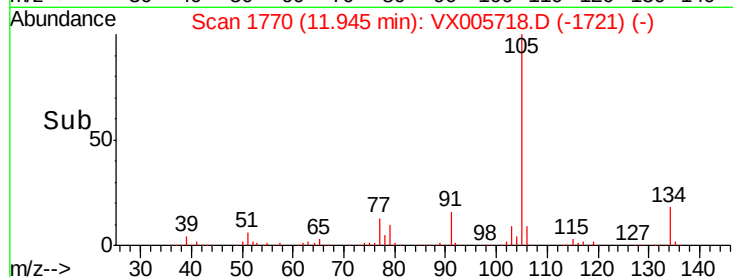
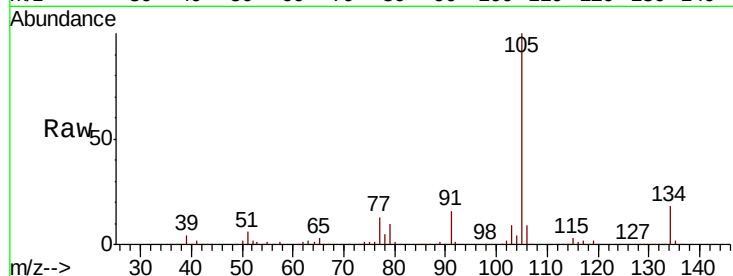
Ion Ratio Lower Upper

105 100

134 18.9 10.2 30.4

Manual Integrations  
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#86

p-Isopropyltoluene

Concen: 21.126 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. 0.00 min

Lab File: VX005718.D

Acq: 31 Oct 2018 20:49

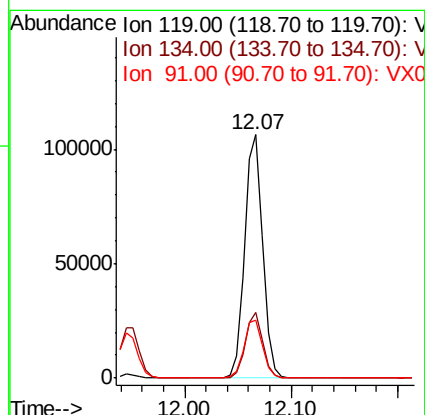
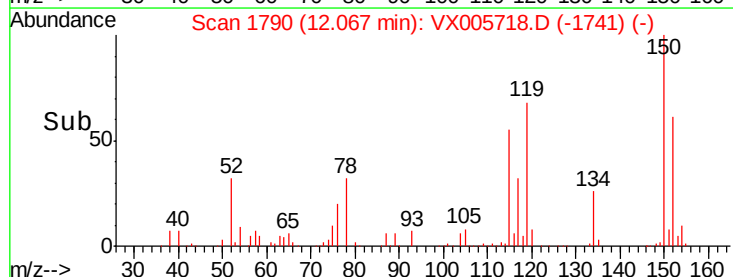
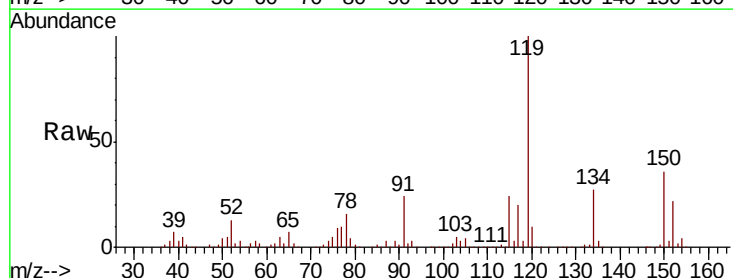
Tgt Ion:119 Resp: 126363

Ion Ratio Lower Upper

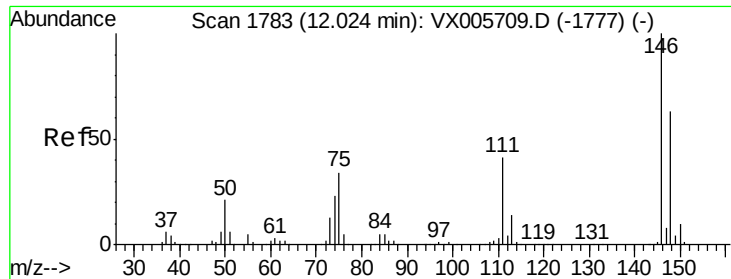
119 100

134 25.8 13.0 39.0

91 24.7 11.4 34.2







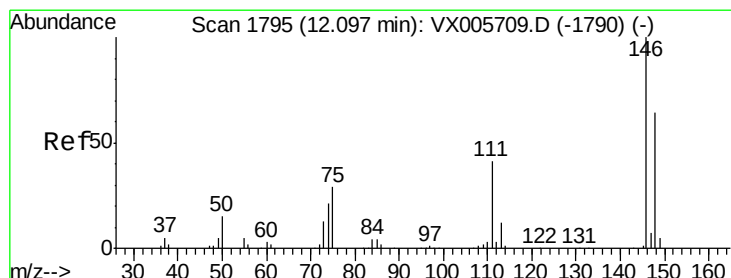
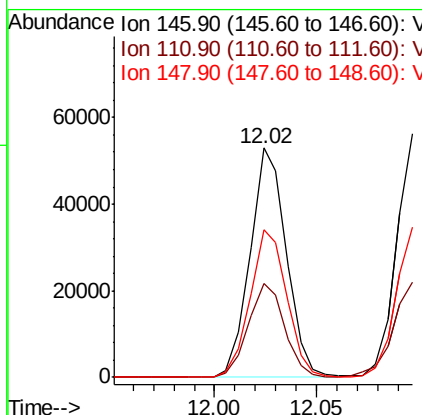
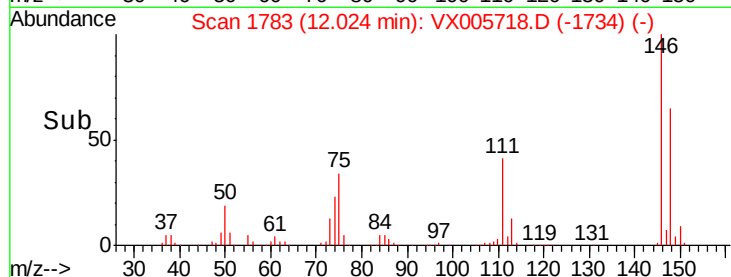
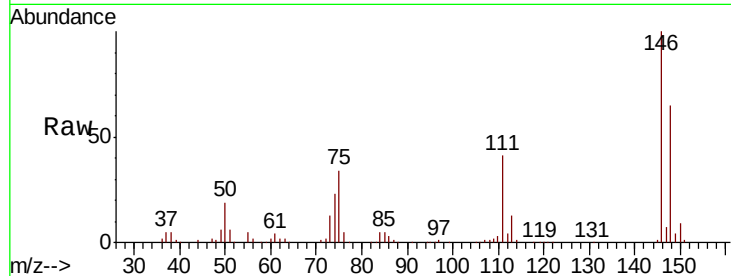
#87  
 1,3-Dichlorobenzene  
 Concen: 20.195 ug/l  
 RT: 12.02 min Scan# 1783  
 Delta R.T. 0.00 min  
 Lab File: VX005718.D  
 Acq: 31 Oct 2018 20:49

Instrument :  
 MSVOA\_X  
 ClientSampled :  
 VX1031MBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 41.0  | 19.0  | 57.0  |
| 148     | 65.3  | 31.9  | 95.9  |

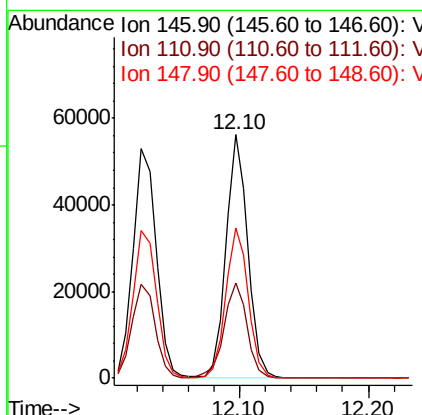
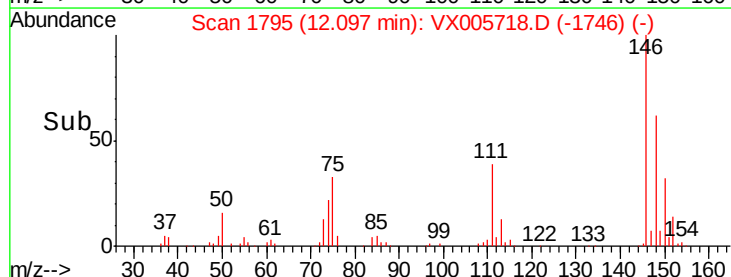
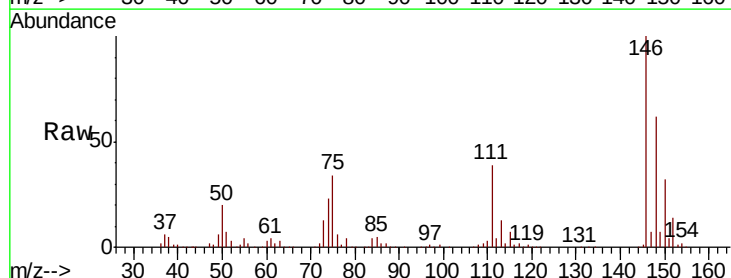
Manual Integrations  
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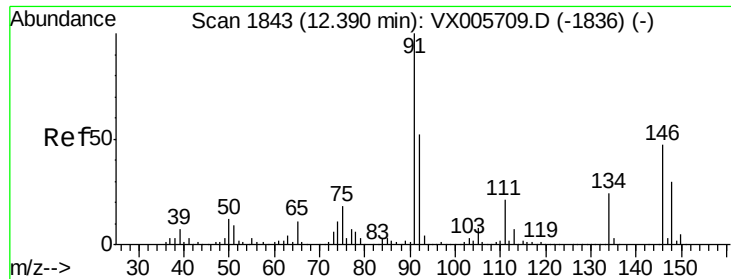
MMDadoda  
 11/1/2018 9:49:42 AM



#88  
 1,4-Dichlorobenzene  
 Concen: 19.213 ug/l  
 RT: 12.10 min Scan# 1795  
 Delta R.T. 0.00 min  
 Lab File: VX005718.D  
 Acq: 31 Oct 2018 20:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 42.2  | 18.6  | 55.8  |
| 148     | 63.9  | 32.1  | 96.3  |





#89

n-Butylbenzene

Concen: 19.813 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX005718.D

Acq: 31 Oct 2018 20:49

Instrument :

MSVOA\_X

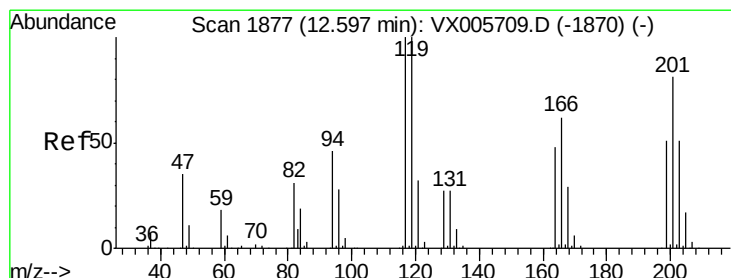
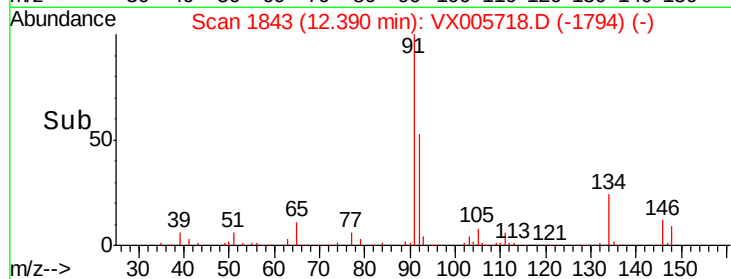
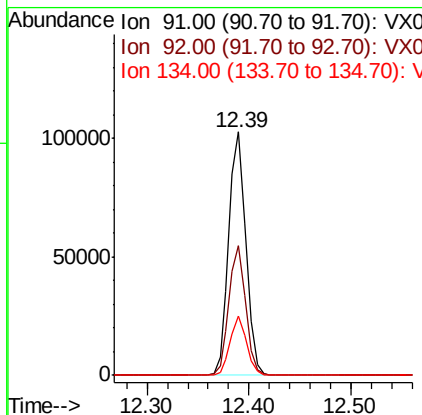
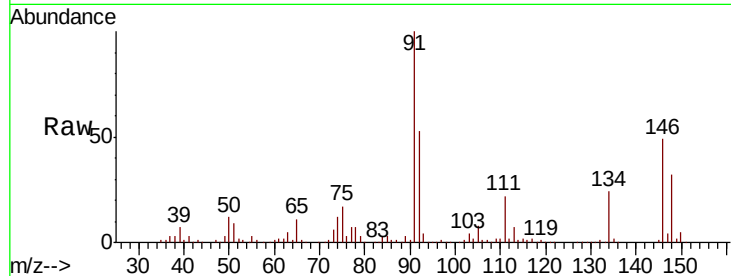
ClientSampleId :

VX1031MBSD01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 91    | Resp: | 119571 |
| Ion Ratio | Lower | Upper |        |
| 91        | 100   |       |        |
| 92        | 52.0  | 26.1  | 78.2   |
| 134       | 23.2  | 13.1  | 39.3   |

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#90

Hexachloroethane

Concen: 18.737 ug/l

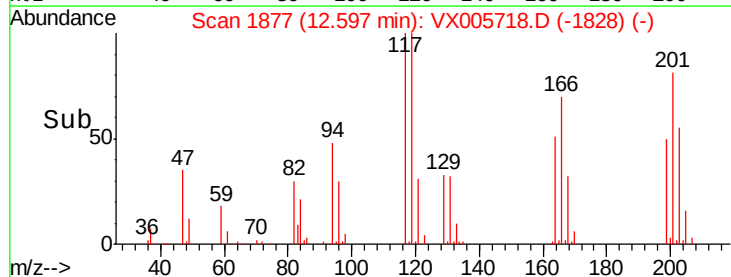
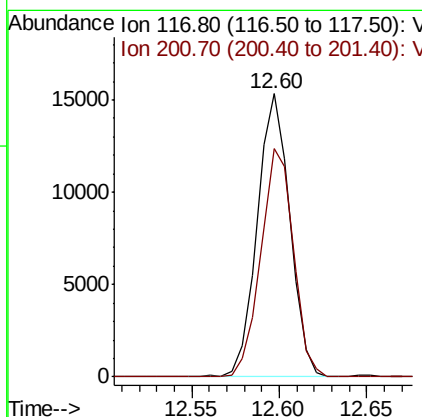
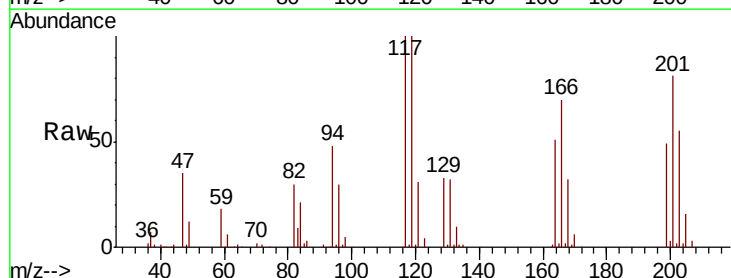
RT: 12.60 min Scan# 1877

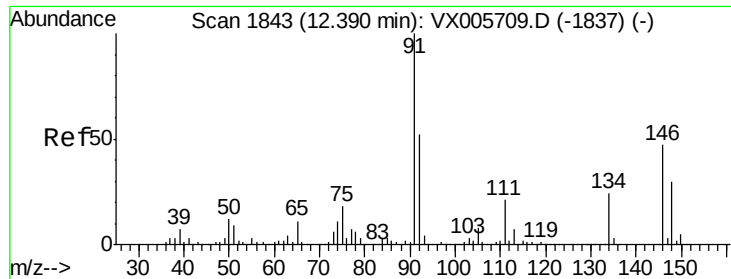
Delta R.T. 0.00 min

Lab File: VX005718.D

Acq: 31 Oct 2018 20:49

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 117   | Resp: | 19884 |
| Ion Ratio | Lower | Upper |       |
| 117       | 100   |       |       |
| 201       | 80.4  | 47.9  | 143.6 |





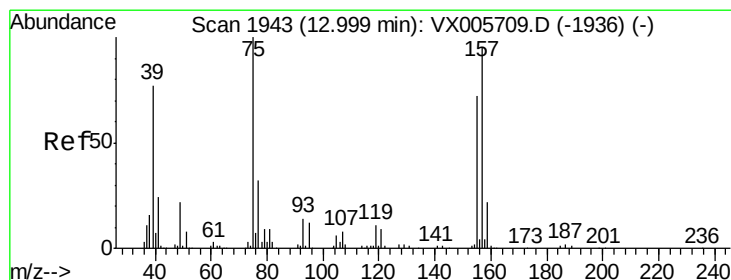
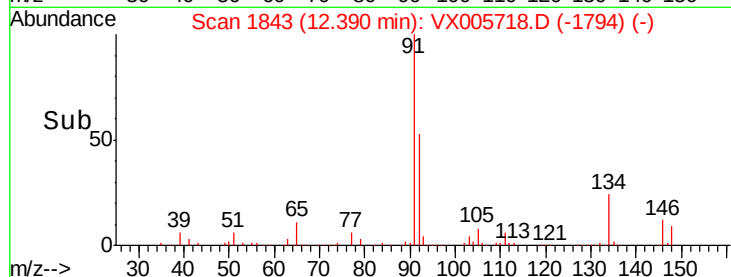
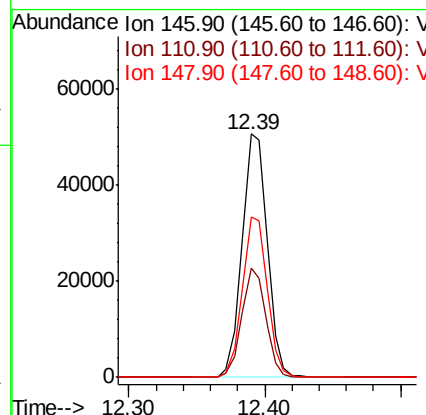
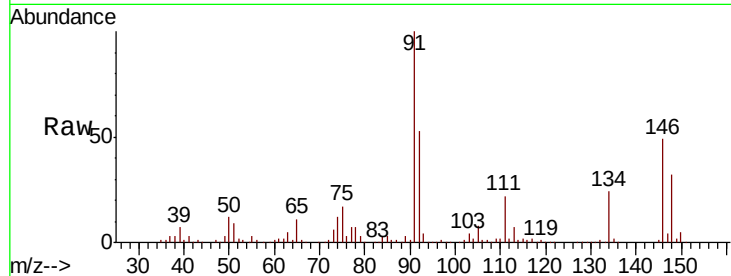
#91  
 1,2-Dichlorobenzene  
 Concen: 19.258 ug/l  
 RT: 12.39 min Scan# 1843  
 Delta R.T. 0.00 min  
 Lab File: VX005718.D  
 Acq: 31 Oct 2018 20:49

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX1031MBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 42.9  | 20.0  | 59.9  |
| 148     | 65.3  | 32.2  | 96.6  |

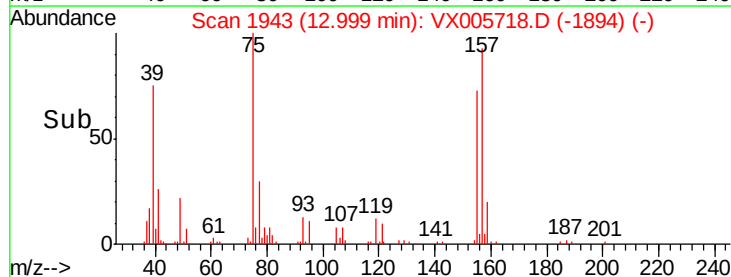
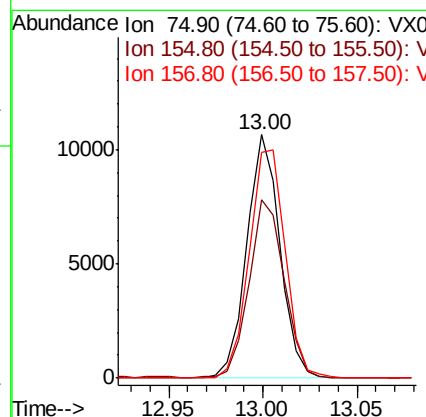
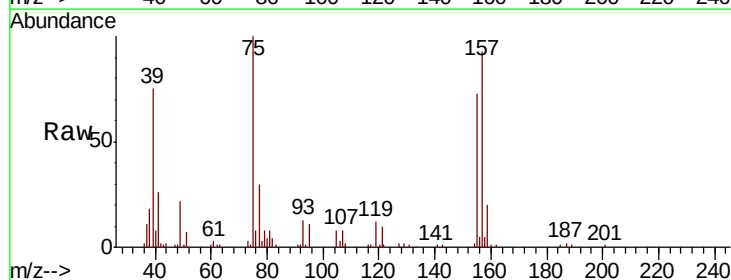
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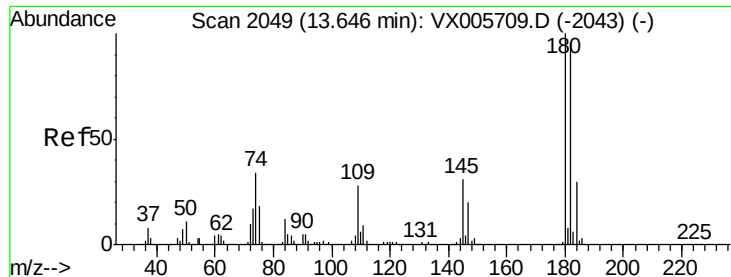
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#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 19.658 ug/l  
 RT: 13.00 min Scan# 1943  
 Delta R.T. 0.00 min  
 Lab File: VX005718.D  
 Acq: 31 Oct 2018 20:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 78.2  | 45.4  | 136.1 |
| 157     | 102.1 | 57.4  | 172.0 |





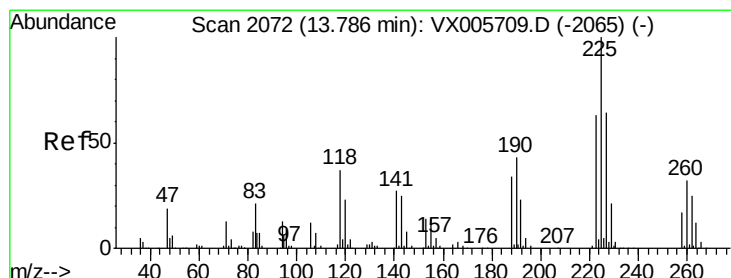
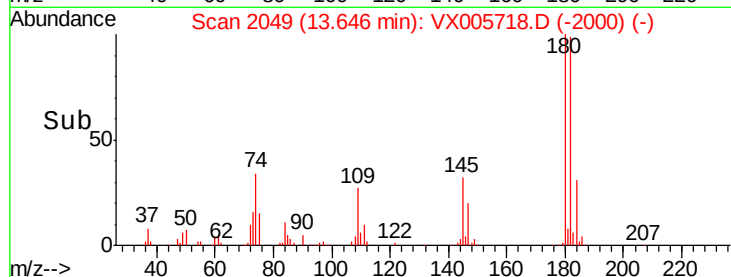
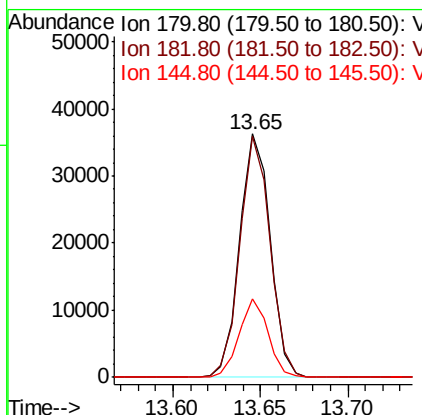
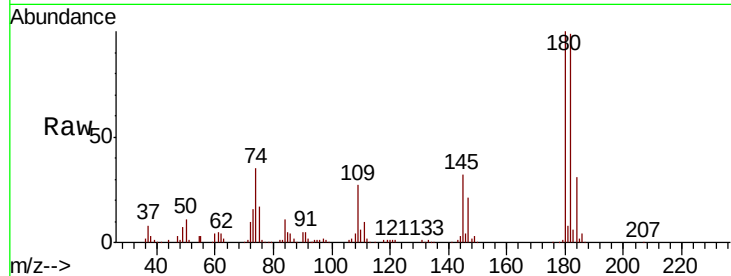
#93  
 1,2,4-Trichlorobenzene  
 Concen: 20.290 ug/l  
 RT: 13.65 min Scan# 2049  
 Delta R.T. 0.00 min  
 Lab File: VX005718.D  
 Acq: 31 Oct 2018 20:49

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX1031MBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 97.6  | 47.6  | 142.8 |
| 145     | 30.7  | 14.1  | 42.2  |

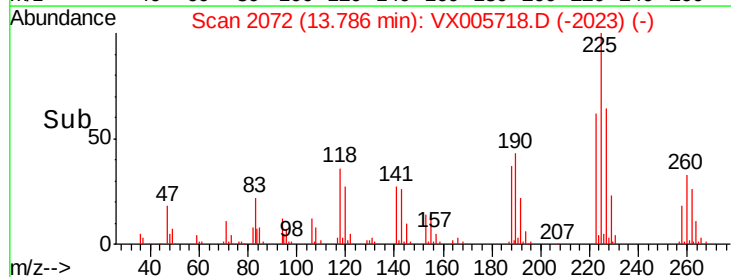
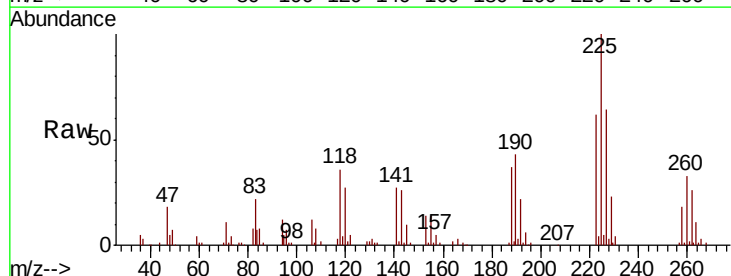
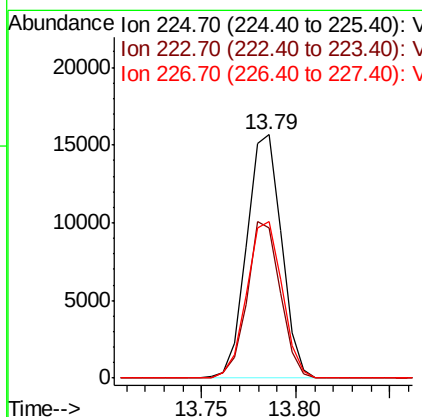
Manual Integrations  
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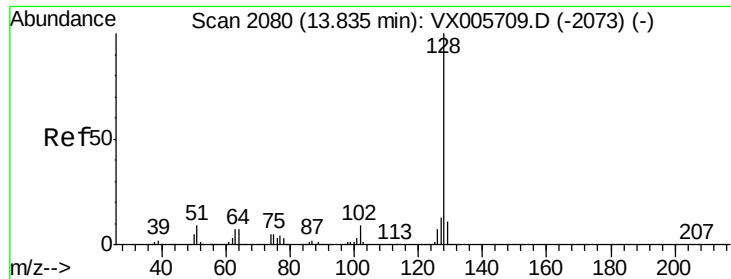
MMDadoda  
 11/1/2018 9:49:42 AM



#94  
 Hexachlorobutadiene  
 Concen: 19.094 ug/l  
 RT: 13.79 min Scan# 2072  
 Delta R.T. 0.00 min  
 Lab File: VX005718.D  
 Acq: 31 Oct 2018 20:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 61.3  | 31.7  | 95.1  |
| 227     | 65.3  | 32.3  | 96.9  |





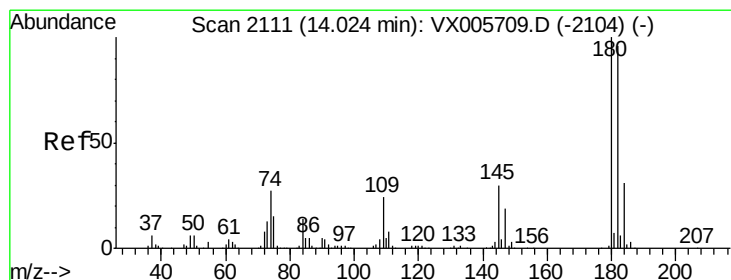
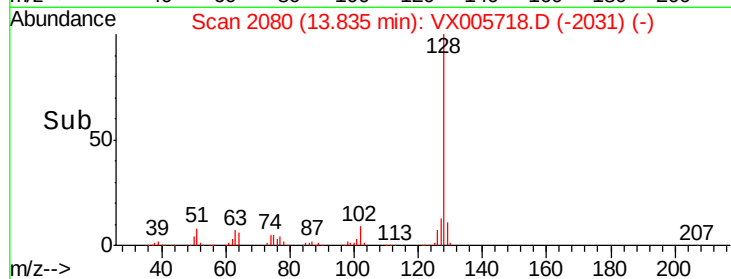
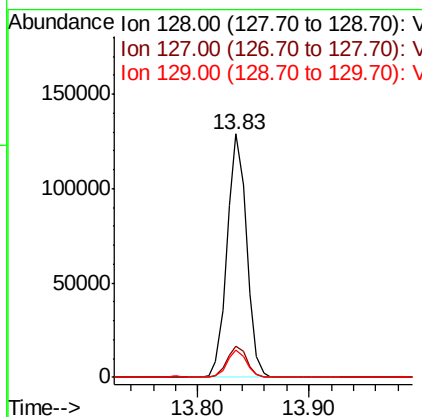
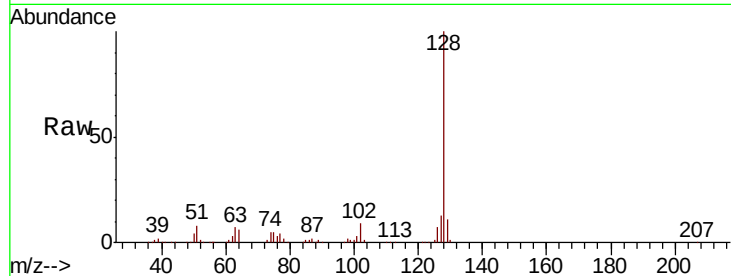
#95  
Naphthalene  
Concen: 21.809 ug/l  
RT: 13.83 min Scan# 2080  
Delta R.T. 0.00 min  
Lab File: VX005718.D  
Acq: 31 Oct 2018 20:49

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1031MBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 13.1  | 10.4  | 15.6  |
| 129     | 11.0  | 8.7   | 13.1  |

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#96  
1,2,3-Trichlorobenzene  
Concen: 20.758 ug/l  
RT: 14.02 min Scan# 2111  
Delta R.T. 0.00 min  
Lab File: VX005718.D  
Acq: 31 Oct 2018 20:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 96.2  | 48.0  | 144.2 |
| 145     | 32.2  | 15.1  | 45.3  |

