

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX082218\  
 Data File : VX004204.D  
 Acq On : 22 Aug 2018 17:43  
 Operator : JC/MD  
 Sample : VX0822WBSD01  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0822WBSD01

Manual Integrations  
 APPROVED

MMDadoda  
 8/23/2018 9:40:28 AM

Quant Time: Aug 23 07:13:23 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X082218W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Aug 23 05:39:44 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.66  | 168  | 329477   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.86  | 114  | 475569   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.12 | 117  | 421937   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152  | 261791   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 6.07  | 65   | 211001   | 49.13 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 98.26%  |          |
| 35) Dibromofluoromethane    | 5.51  | 113  | 178086   | 50.34 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 100.68% |          |
| 50) Toluene-d8              | 8.71  | 98   | 654075   | 48.98 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 97.96%  |          |
| 62) 4-Bromofluorobenzene    | 11.14 | 95   | 238017   | 47.77 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 95.54%  |          |

| Target Compounds              | R.T. | QIon | Response | Conc   | Units | Qvalue |
|-------------------------------|------|------|----------|--------|-------|--------|
| 2) Dichlorodifluoromethane    | 1.20 | 85   | 82204    | 21.54  | ug/l  | 96     |
| 3) Chloromethane              | 1.32 | 50   | 87135    | 20.83  | ug/l  | 100    |
| 4) Vinyl Chloride             | 1.40 | 62   | 89191    | 20.66  | ug/l  | 99     |
| 5) Bromomethane               | 1.64 | 94   | 51477    | 23.10  | ug/l  | 98     |
| 6) Chloroethane               | 1.72 | 64   | 60520    | 18.99  | ug/l  | 97     |
| 7) Trichlorofluoromethane     | 1.93 | 101  | 118272   | 19.99  | ug/l  | 96     |
| 8) Diethyl Ether              | 2.19 | 74   | 50661    | 20.00  | ug/l  | 100    |
| 9) 1,1,2-Trichlorotrifluoroet | 2.38 | 101  | 72689    | 19.62  | ug/l  | 99     |
| 10) Methyl Iodide             | 2.51 | 142  | 70322    | 19.65  | ug/l  | 100    |
| 11) Tert butyl alcohol        | 3.07 | 59   | 97458    | 106.47 | ug/l  | 100    |
| 12) 1,1-Dichloroethene        | 2.37 | 96   | 68133    | 19.52  | ug/l  | 98     |
| 13) Acrolein                  | 2.29 | 56   | 22238    | 100.77 | ug/l  | 98     |
| 14) Allyl chloride            | 2.73 | 41   | 129025   | 20.12  | ug/l  | 99     |
| 15) Acrylonitrile             | 3.15 | 53   | 224198   | 98.90  | ug/l  | 99     |
| 16) Acetone                   | 2.45 | 43   | 190635   | 104.03 | ug/l  | 98     |
| 17) Carbon Disulfide          | 2.57 | 76   | 186497   | 19.73  | ug/l  | 99     |
| 18) Methyl Acetate            | 2.78 | 43   | 134905   | 21.17  | ug/l  | 99     |
| 19) Methyl tert-butyl Ether   | 3.20 | 73   | 230092   | 20.00  | ug/l  | 97     |
| 20) Methylene Chloride        | 2.85 | 84   | 80465    | 19.47  | ug/l  | 96     |
| 21) trans-1,2-Dichloroethene  | 3.16 | 96   | 73367    | 18.99  | ug/l  | 99     |
| 22) Diisopropyl ether         | 3.87 | 45   | 237689   | 19.85  | ug/l  | 97     |
| 23) Vinyl Acetate             | 3.82 | 43   | 981361   | 101.12 | ug/l  | 100    |
| 24) 1,1-Dichloroethane        | 3.70 | 63   | 133874   | 19.19  | ug/l  | 100    |
| 25) 2-Butanone                | 4.70 | 43   | 302854   | 103.58 | ug/l  | 99     |
| 26) 2,2-Dichloropropane       | 4.58 | 77   | 102896   | 18.80  | ug/l  | 99     |
| 27) cis-1,2-Dichloroethene    | 4.60 | 96   | 85485    | 19.51  | ug/l  | 99     |
| 28) Bromochloromethane        | 5.02 | 49   | 64292    | 20.81  | ug/l  | 100    |
| 29) Tetrahydrofuran           | 5.16 | 42   | 191282   | 103.67 | ug/l  | 99     |
| 30) Chloroform                | 5.21 | 83   | 139323   | 19.91  | ug/l  | 95     |
| 31) Cyclohexane               | 5.57 | 56   | 120796   | 20.06  | ug/l  | 97     |
| 32) 1,1,1-Trichloroethane     | 5.49 | 97   | 117338   | 20.11  | ug/l  | 99     |
| 36) 1,1-Dichloropropene       | 5.80 | 75   | 106324   | 19.89  | ug/l  | 100    |
| 37) Ethyl Acetate             | 4.86 | 43   | 110668   | 21.05  | ug/l  | 100    |
| 38) Carbon Tetrachloride      | 5.78 | 117  | 101721   | 20.22  | ug/l  | 98     |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX082218\  
 Data File : VX004204.D  
 Acq On : 22 Aug 2018 17:43  
 Operator : JC/MD  
 Sample : VX0822WBSD01  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleID :  
 VX0822WBSD01

Manual Integrations  
 APPROVED

MMDadoda  
 8/23/2018 9:40:28 AM

Quant Time: Aug 23 07:13:23 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X082218W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Aug 23 05:39:44 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| 39) Methylcyclohexane          | 7.46  | 83   | 116721   | 19.12  | ug/l   | 97       |
| 40) Benzene                    | 6.14  | 78   | 329226   | 20.61  | ug/l   | 99       |
| 41) Methacrylonitrile          | 5.06  | 41   | 61768    | 20.27  | ug/l   | 99       |
| 42) 1,2-Dichloroethane         | 6.20  | 62   | 110312   | 20.24  | ug/l   | 99       |
| 43) Isopropyl Acetate          | 6.46  | 43   | 161409   | 19.98  | ug/l   | 100      |
| 44) Trichloroethene            | 7.21  | 130  | 84321    | 19.07  | ug/l   | 97       |
| 45) 1,2-Dichloropropane        | 7.52  | 63   | 80913    | 20.24  | ug/l   | 99       |
| 46) Dibromomethane             | 7.67  | 93   | 52423    | 19.69  | ug/l   | 100      |
| 47) Bromodichloromethane       | 7.90  | 83   | 97270    | 19.64  | ug/l   | 99       |
| 48) Methyl methacrylate        | 7.78  | 41   | 85053    | 19.67  | ug/l   | 99       |
| 49) 1,4-Dioxane                | 7.76  | 88   | 39812    | 405.59 | ug/l   | 99       |
| 51) 4-Methyl-2-Pentanone       | 8.65  | 43   | 561136   | 95.59  | ug/l   | 100      |
| 52) Toluene                    | 8.79  | 92   | 201820   | 20.18  | ug/l   | 98       |
| 53) t-1,3-Dichloropropene      | 9.04  | 75   | 105477   | 19.28  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene    | 8.44  | 75   | 117847   | 19.77  | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane      | 9.22  | 97   | 80701    | 19.99  | ug/l   | 99       |
| 56) Ethyl methacrylate         | 9.18  | 69   | 107898   | 19.63  | ug/l   | 100      |
| 57) 1,3-Dichloropropane        | 9.37  | 76   | 135703   | 19.94  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether  | 8.32  | 63   | 293735   | 104.32 | ug/l   | 100      |
| 59) 2-Hexanone                 | 9.50  | 43   | 424285   | 94.73  | ug/l   | 100      |
| 60) Dibromochloromethane       | 9.59  | 129  | 75518    | 19.20  | ug/l   | 99       |
| 61) 1,2-Dibromoethane          | 9.67  | 107  | 83350    | 19.95  | ug/l   | 99       |
| 64) Tetrachloroethene          | 9.34  | 164  | 80342    | 19.28  | ug/l   | 99       |
| 65) Chlorobenzene              | 10.14 | 112  | 217139   | 20.50  | ug/l   | 91       |
| 66) 1,1,1,2-Tetrachloroethane  | 10.23 | 131  | 70322    | 19.25  | ug/l   | 98       |
| 67) Ethyl Benzene              | 10.25 | 91   | 340691   | 19.81  | ug/l   | 93       |
| 68) m/p-Xylenes                | 10.36 | 106  | 269814   | 40.12  | ug/l   | 98       |
| 69) o-Xylene                   | 10.70 | 106  | 133347   | 20.96  | ug/l   | 95       |
| 70) Styrene                    | 10.71 | 104  | 214436   | 20.82  | ug/l   | 99       |
| 71) Bromoform                  | 10.86 | 173  | 56805    | 19.29  | ug/l # | 99       |
| 73) Isopropylbenzene           | 11.02 | 105  | 362027   | 21.06  | ug/l   | 100      |
| 74) N-amyl acetate             | 10.90 | 43   | 136469   | 20.61  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane  | 11.27 | 83   | 123025   | 20.45  | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane     | 11.30 | 75   | 110606m  | 20.77  | ug/l   |          |
| 77) Bromobenzene               | 11.26 | 156  | 95970    | 19.90  | ug/l   | 96       |
| 78) n-propylbenzene            | 11.36 | 91   | 422927   | 21.39  | ug/l   | 99       |
| 79) 2-Chlorotoluene            | 11.42 | 91   | 255379   | 20.98  | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene     | 11.51 | 105  | 308726   | 21.68  | ug/l   | 97       |
| 81) trans-1,4-Dichloro-2-buten | 11.07 | 75   | 32063    | 19.54  | ug/l   | 95       |
| 82) 4-Chlorotoluene            | 11.51 | 91   | 297435   | 20.77  | ug/l   | 99       |
| 83) tert-Butylbenzene          | 11.77 | 119  | 297583   | 20.77  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene     | 11.81 | 105  | 318958   | 21.82  | ug/l   | 99       |
| 85) sec-Butylbenzene           | 11.94 | 105  | 353084   | 20.76  | ug/l   | 100      |
| 86) p-Isopropyltoluene         | 12.07 | 119  | 323608   | 21.23  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene        | 12.02 | 146  | 181723   | 20.01  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 12.10 | 146  | 185374   | 19.36  | ug/l   | 99       |
| 89) n-Butylbenzene             | 12.39 | 91   | 230439   | 18.59  | ug/l   | 99       |
| 90) Hexachloroethane           | 12.60 | 117  | 42738    | 20.06  | ug/l   | 96       |
| 91) 1,2-Dichlorobenzene        | 12.39 | 146  | 164407   | 19.81  | ug/l   | 97       |
| 92) 1,2-Dibromo-3-Chloropropan | 13.00 | 75   | 21264    | 20.06  | ug/l   | 100      |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX082218\  
Data File : VX004204.D  
Acq On : 22 Aug 2018 17:43  
Operator : JC/MD  
Sample : VX0822WBSD01  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0822WBSD01

Manual Integrations  
APPROVED

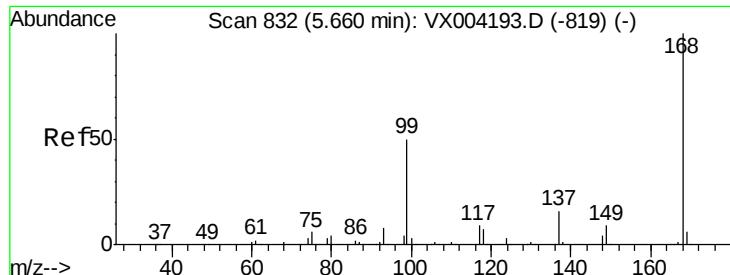
MMDadoda  
8/23/2018 9:40:28 AM

Quant Time: Aug 23 07:13:23 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X082218W.M  
Quant Title : SW846 8260  
QLast Update : Thu Aug 23 05:39:44 2018  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 13.65 | 180  | 115362   | 19.10 | ug/l  | 99       |
| 94) Hexachlorobutadiene    | 13.79 | 225  | 52741    | 18.69 | ug/l  | 95       |
| 95) Naphthalene            | 13.83 | 128  | 363572   | 21.29 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 14.02 | 180  | 129432   | 20.25 | ug/l  | 98       |

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





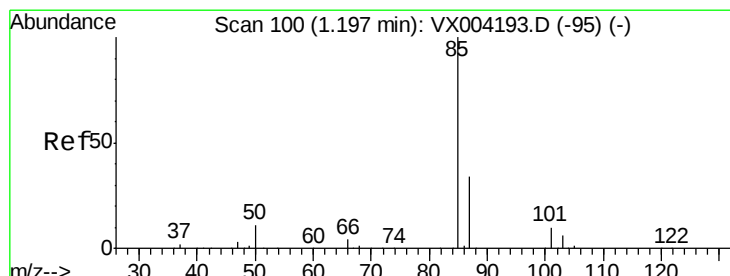
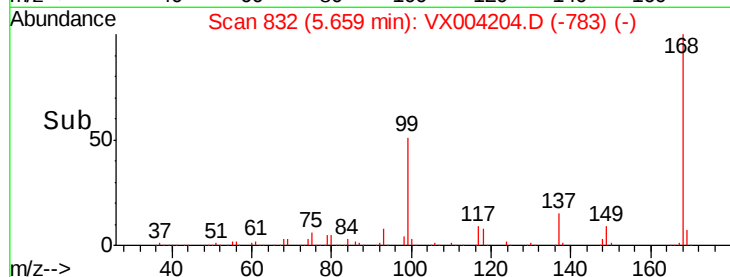
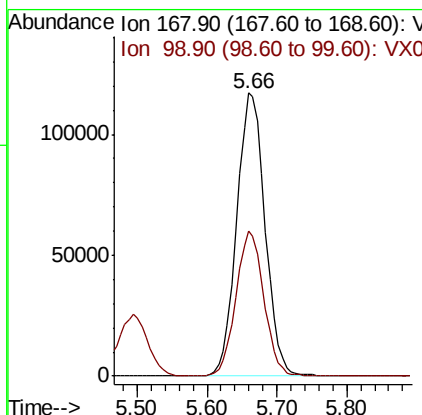
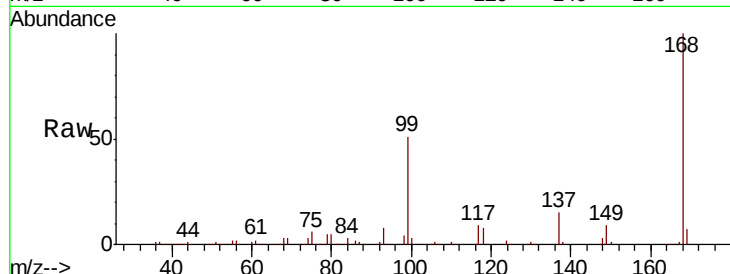
#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 5.66 min Scan# 832  
Delta R.T. -0.00 min  
Lab File: VX004204.D  
Acq: 22 Aug 2018 17:43

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0822WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 168     | 100   |       |       |
| 99      | 51.4  | 39.9  | 59.9  |

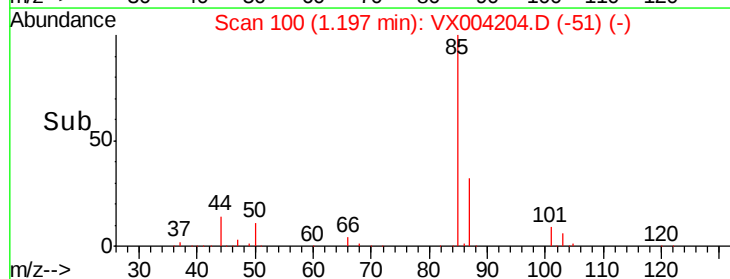
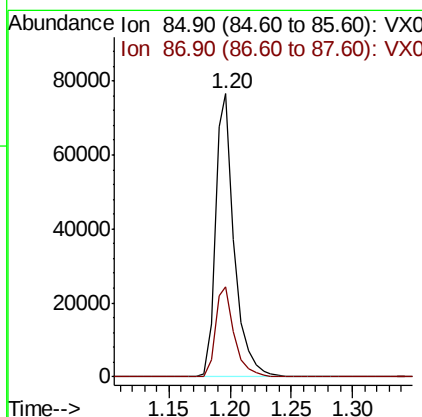
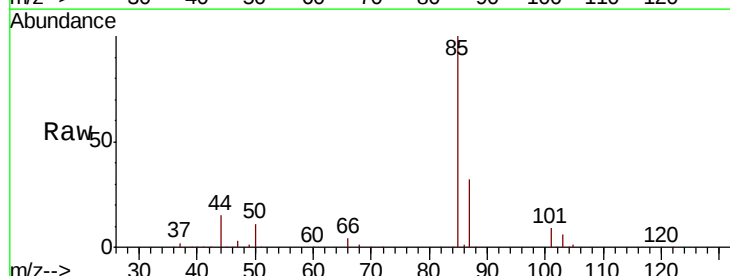
Manual Integrations  
APPROVED

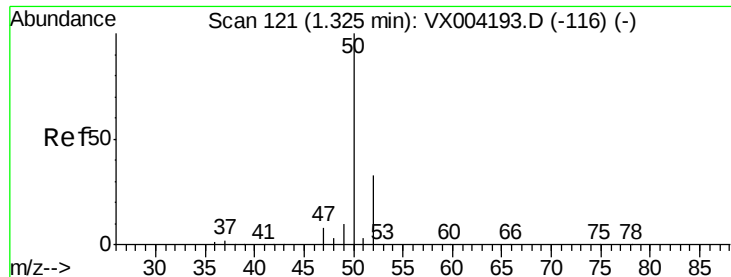
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8/23/2018 9:40:28 AM



#2  
Dichlorodifluoromethane  
Concen: 21.54 ug/l  
RT: 1.20 min Scan# 100  
Delta R.T. -0.00 min  
Lab File: VX004204.D  
Acq: 22 Aug 2018 17:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 85      | 100   |       |       |
| 87      | 31.8  | 17.0  | 50.9  |





#3

Chloromethane

Concen: 20.83 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX004204.D

Acq: 22 Aug 2018 17:43

Instrument :

MSVOA\_X

ClientSampleId :

VX0822WBSD01

Tot Ion: 50 Resp: 87135

Ion Ratio Lower Upper

50 100

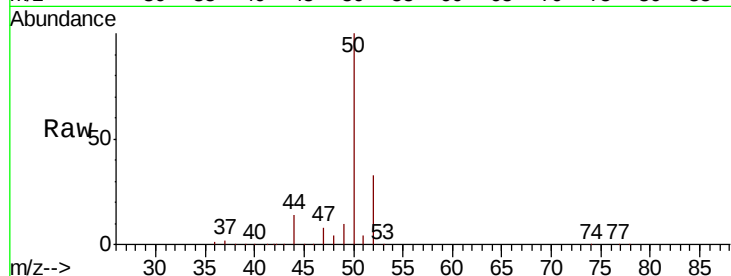
52 32.8 26.2 39.2

Manual Integrations

APPROVED

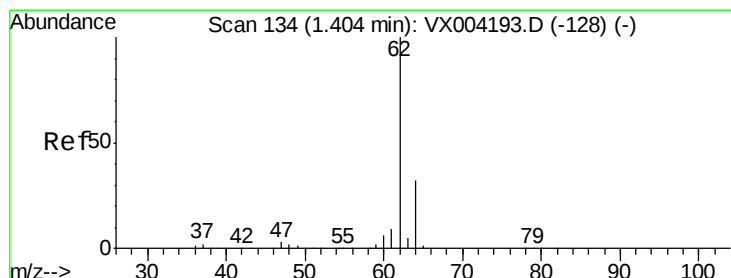
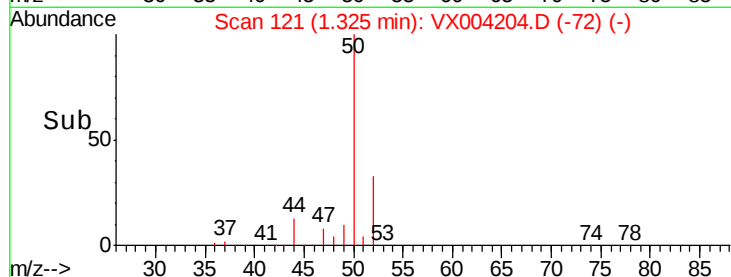
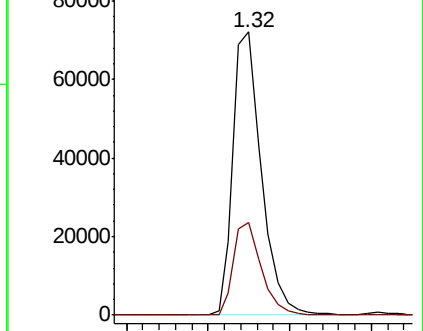
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8/23/2018 9:40:28 AM



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 20.66 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX004204.D

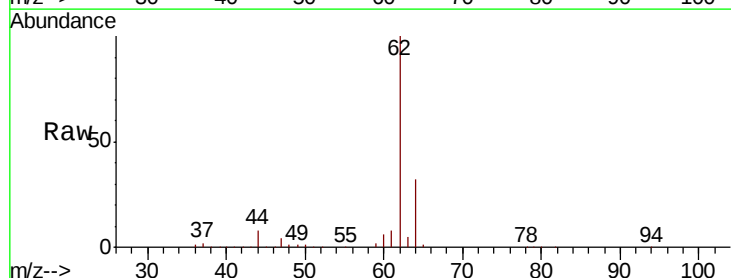
Acq: 22 Aug 2018 17:43

Tgt Ion: 62 Resp: 89191

Ion Ratio Lower Upper

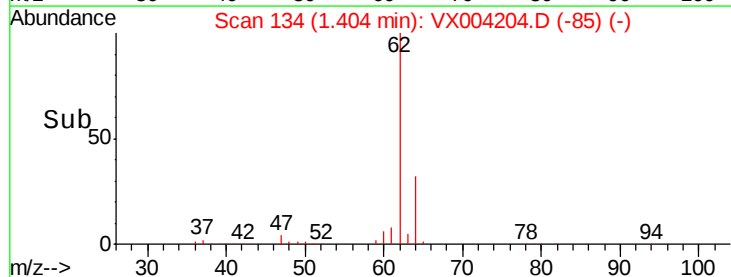
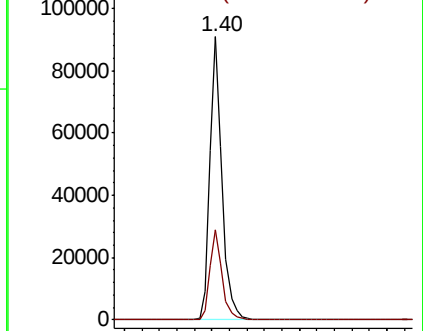
62 100

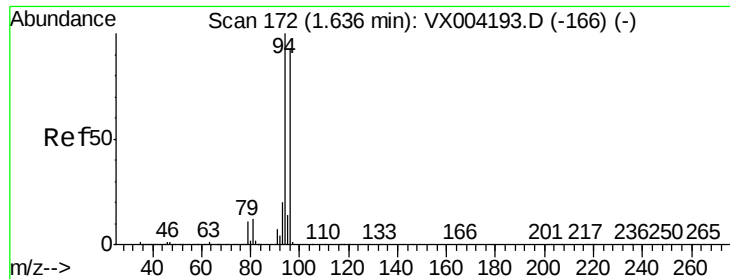
64 32.0 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 23.10 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX004204.D

Acq: 22 Aug 2018 17:43

Instrument :

MSVOA\_X

ClientSampleId :

VX0822WBSD01

Tot Ion: 94 Resp: 51477

Ion Ratio Lower Upper

94 100

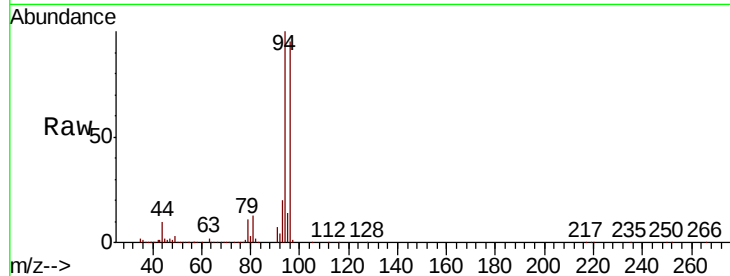
96 94.9 74.5 111.7

Manual Integrations

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8/23/2018 9:40:28 AM



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

60000

50000

40000

30000

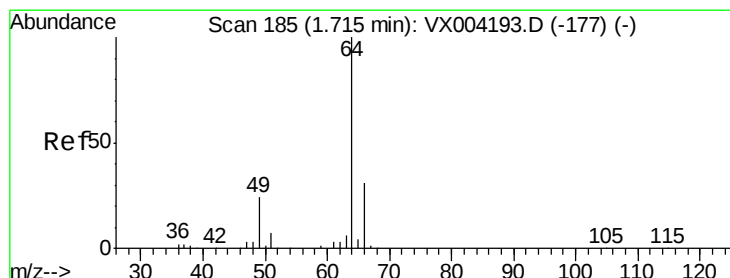
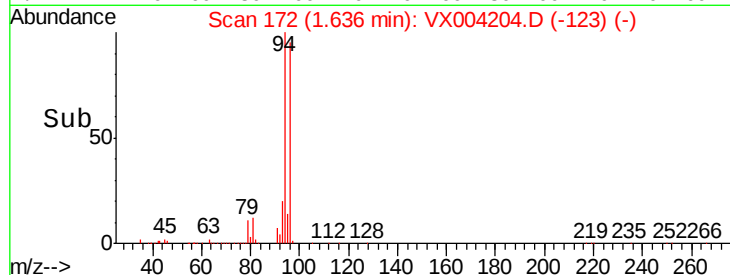
20000

10000

0

1.55 1.60 1.65 1.70 1.75

Time-->



#6

Chloroethane

Concen: 18.99 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.01 min

Lab File: VX004204.D

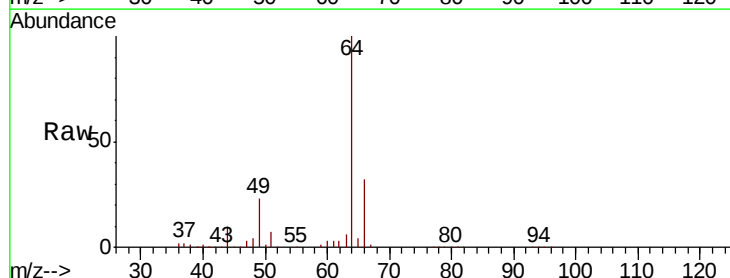
Acq: 22 Aug 2018 17:43

Tgt Ion: 64 Resp: 60520

Ion Ratio Lower Upper

64 100

66 32.1 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

50000

40000

30000

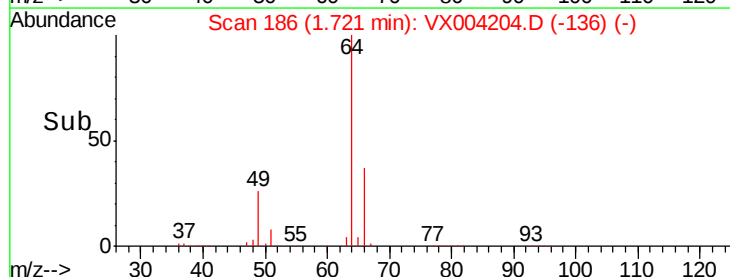
20000

10000

0

1.60 1.70 1.80

Time-->





#7

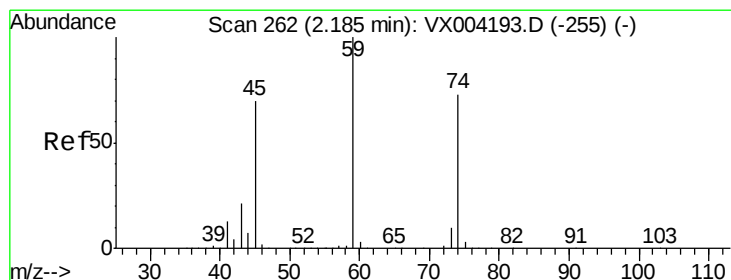
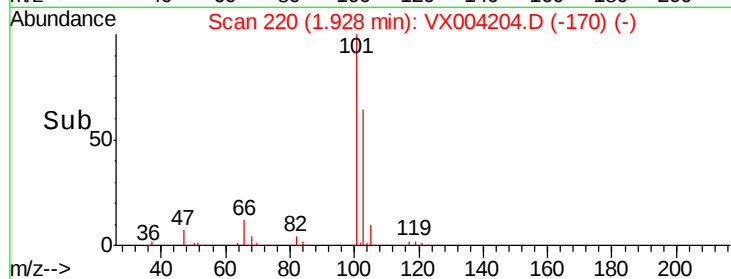
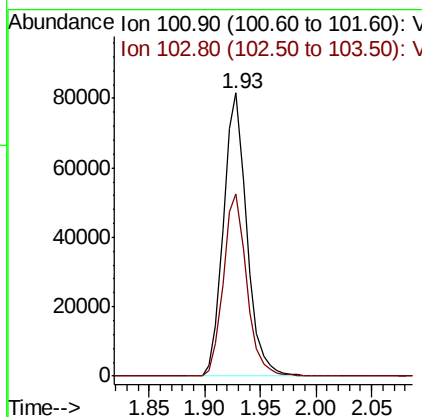
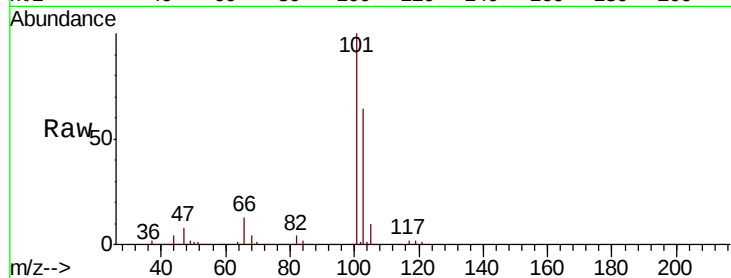
Trichlorofluoromethane  
 Concen: 19.99 ug/l  
 RT: 1.93 min Scan# 220  
 Delta R.T. 0.01 min  
 Lab File: VX004204.D  
 Acq: 22 Aug 2018 17:43

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0822WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 64.5  | 48.9  | 73.3  |

Manual Integrations  
 APPROVED

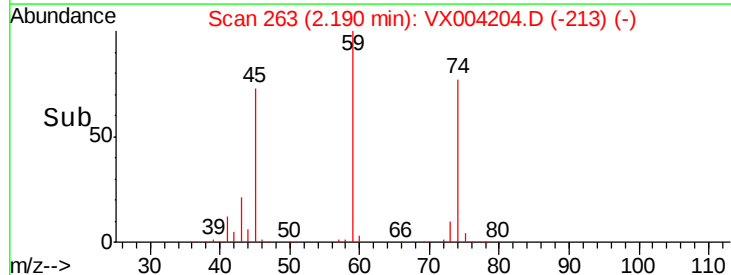
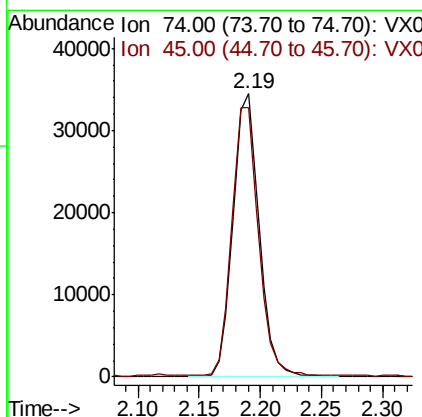
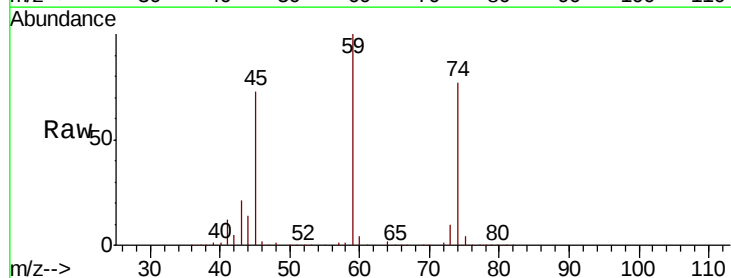
MMDadoda  
 8/23/2018 9:40:28 AM

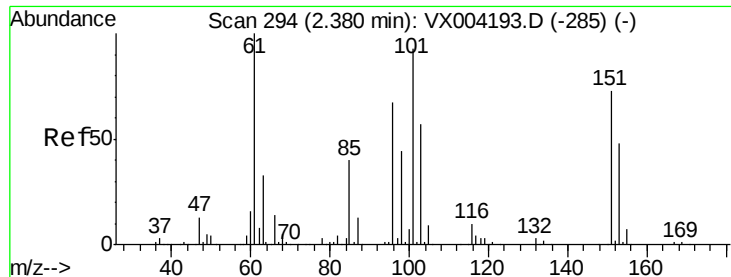


#8

Diethyl Ether  
 Concen: 20.00 ug/l  
 RT: 2.19 min Scan# 263  
 Delta R.T. 0.01 min  
 Lab File: VX004204.D  
 Acq: 22 Aug 2018 17:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 96.8  | 48.3  | 144.8 |





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.62 ug/l

RT: 2.38 min Scan# 294

Delta R.T. -0.00 min

Lab File: VX004204.D

Acq: 22 Aug 2018 17:43

Instrument :

MSVOA\_X

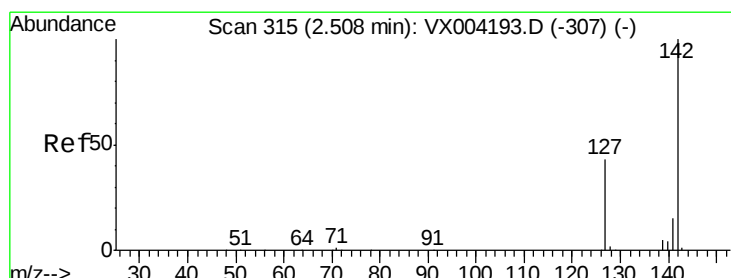
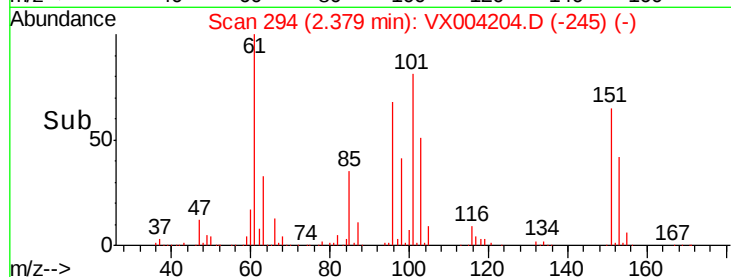
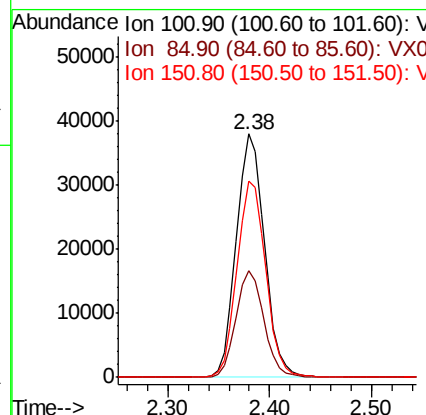
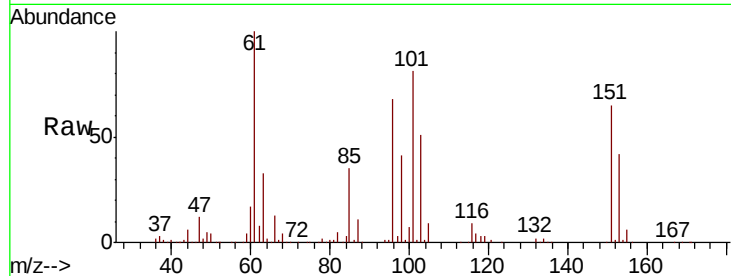
ClientSampleId :

VX0822WBSD01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 101   | Resp: | 72689 |
| Ion Ratio | Lower | Upper |       |
| 101       | 100   |       |       |
| 85        | 43.1  | 34.2  | 51.4  |
| 151       | 81.9  | 65.0  | 97.6  |

Manual Integrations  
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8/23/2018 9:40:28 AM



#10

Methyl Iodide

Concen: 19.65 ug/l

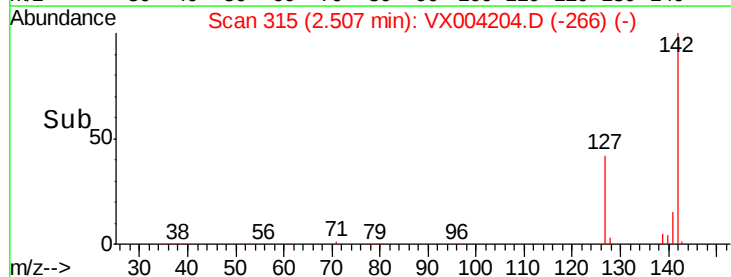
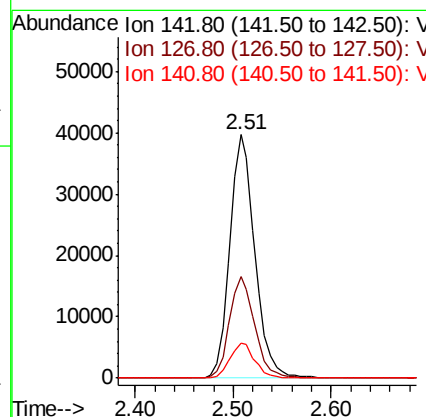
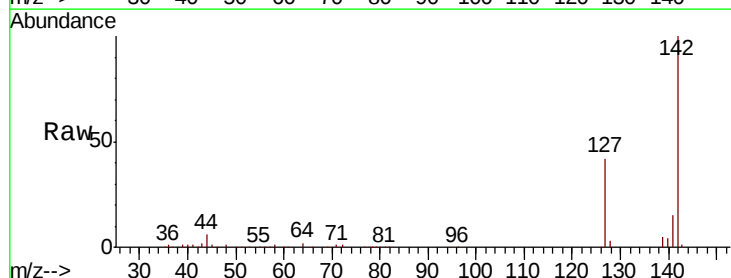
RT: 2.51 min Scan# 315

Delta R.T. 0.00 min

Lab File: VX004204.D

Acq: 22 Aug 2018 17:43

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 142   | Resp: | 70322 |
| Ion Ratio | Lower | Upper |       |
| 142       | 100   |       |       |
| 127       | 42.0  | 33.8  | 50.6  |
| 141       | 14.4  | 11.4  | 17.0  |





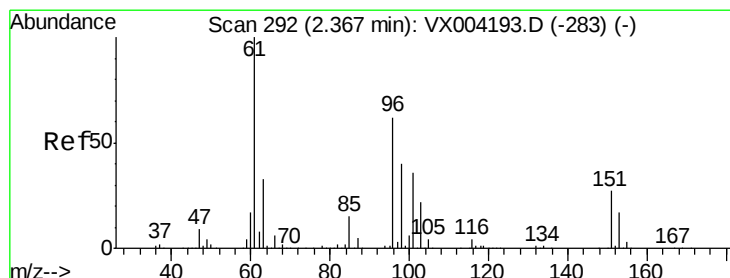
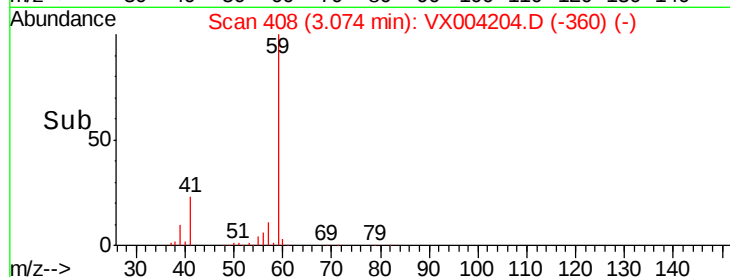
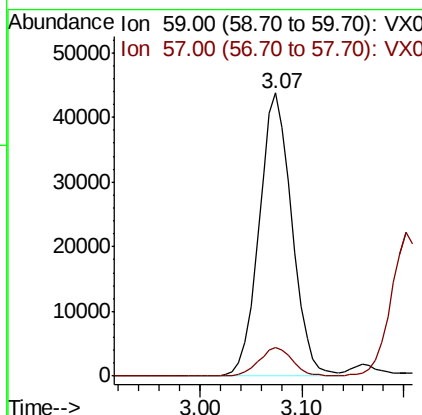
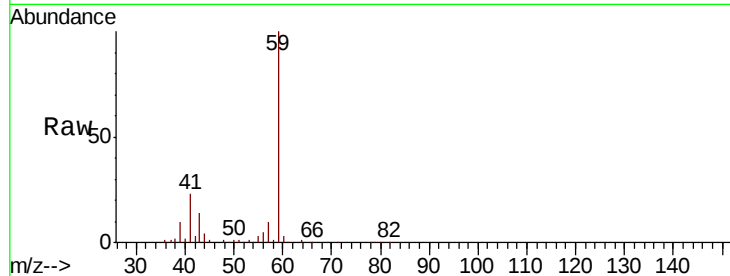
#11  
Tert butyl alcohol  
Concen: 106.47 ug/l  
RT: 3.07 min Scan# 408  
Delta R.T. -0.01 min  
Lab File: VX004204.D  
Acq: 22 Aug 2018 17:43

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0822WBSD01

| Tot Ion   | 59   | Resp  | 97458 |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 57        | 10.5 | 8.2   | 12.4  |

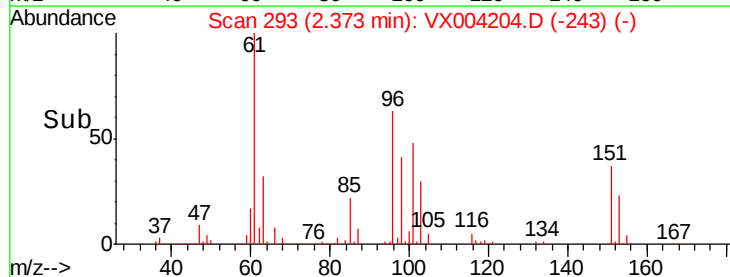
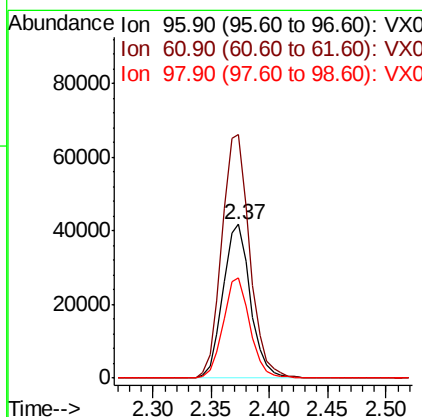
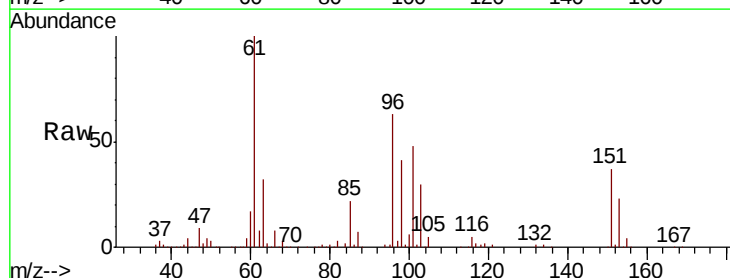
Manual Integrations  
APPROVED

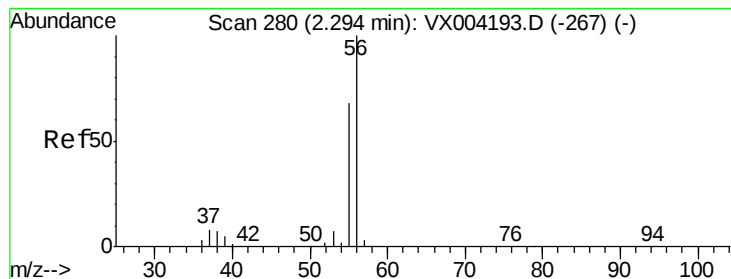
MMDadoda  
8/23/2018 9:40:28 AM



#12  
1,1-Dichloroethene  
Concen: 19.52 ug/l  
RT: 2.37 min Scan# 293  
Delta R.T. 0.01 min  
Lab File: VX004204.D  
Acq: 22 Aug 2018 17:43

| Tgt Ion   | 96    | Resp  | 68133 |
|-----------|-------|-------|-------|
| Ion Ratio | 100   | Lower | Upper |
| 61        | 158.0 | 128.8 | 193.2 |
| 98        | 65.3  | 52.2  | 78.2  |





#13

Acrolein

Concen: 100.77 ug/l

RT: 2.29 min Scan# 280

Delta R.T. -0.00 min

Lab File: VX004204.D

Acq: 22 Aug 2018 17:43

Instrument :

MSVOA\_X

ClientSampleId :

VX0822WBSD01

Tot Ion: 56 Resp: 22238

Ion Ratio Lower Upper

56 100

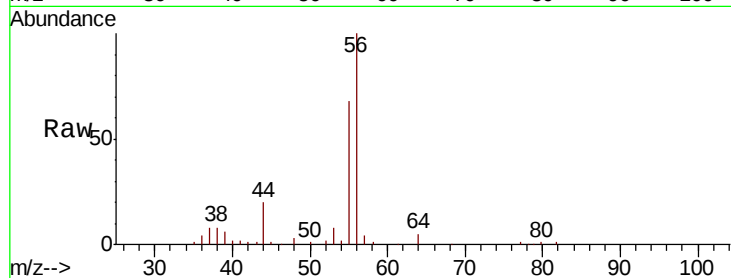
55 70.0 54.7 82.1

Manual Integrations

APPROVED

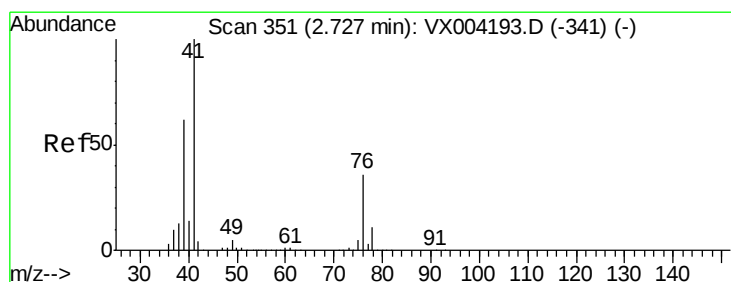
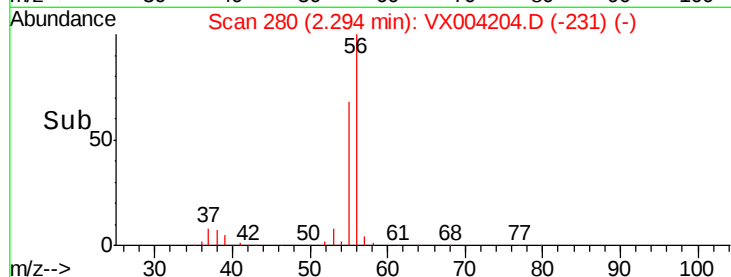
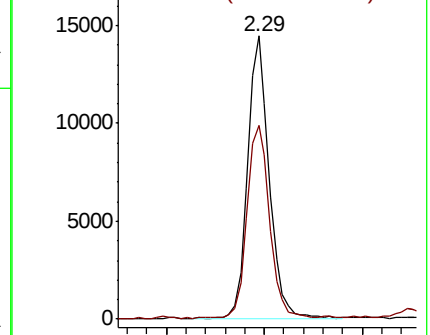
MMDadoda

8/23/2018 9:40:28 AM



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 20.12 ug/l

RT: 2.73 min Scan# 351

Delta R.T. -0.00 min

Lab File: VX004204.D

Acq: 22 Aug 2018 17:43

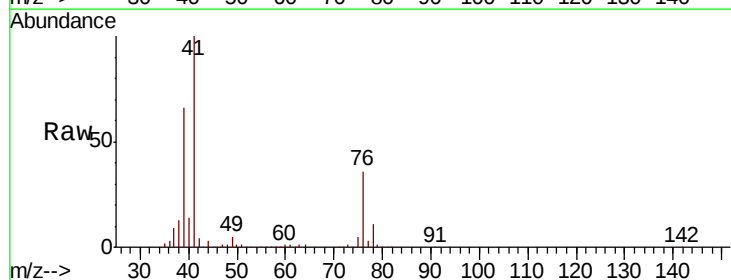
Tgt Ion: 41 Resp: 129025

Ion Ratio Lower Upper

41 100

39 60.3 48.9 73.3

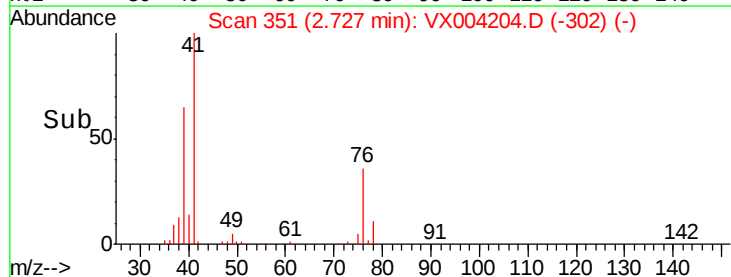
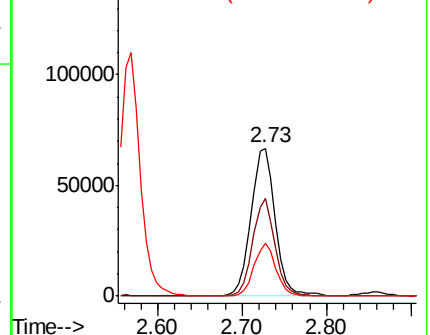
76 32.8 26.7 40.1



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 98.90 ug/l

RT: 3.15 min Scan# 420

Delta R.T. -0.00 min

Lab File: VX004204.D

Acq: 22 Aug 2018 17:43

Instrument :

MSVOA\_X

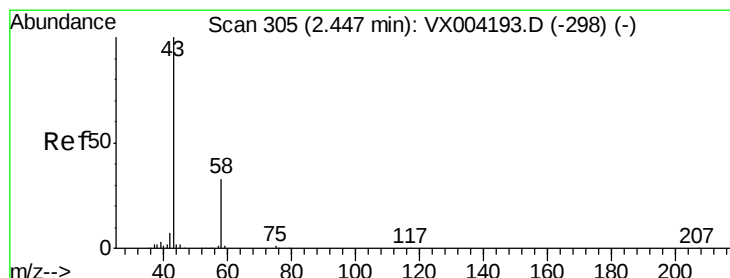
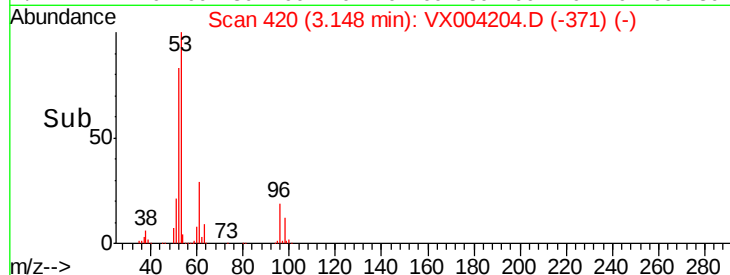
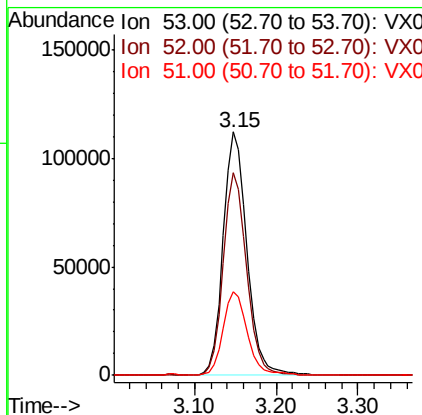
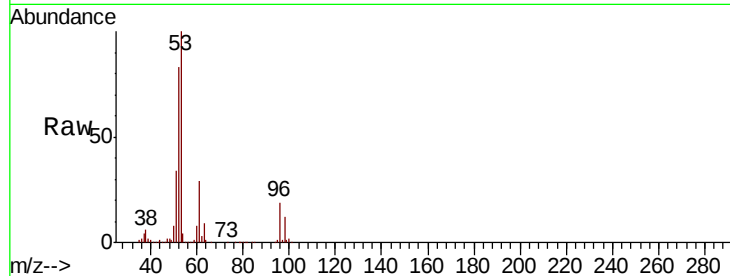
ClientSampleId :

VX0822WBSD01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 53    | Resp: | 224198 |
| Ion Ratio | Lower | Upper |        |
| 53        | 100   |       |        |
| 52        | 82.3  | 65.2  | 97.8   |
| 51        | 35.3  | 28.2  | 42.2   |

Manual Integrations  
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8/23/2018 9:40:28 AM



#16

Acetone

Concen: 104.03 ug/l

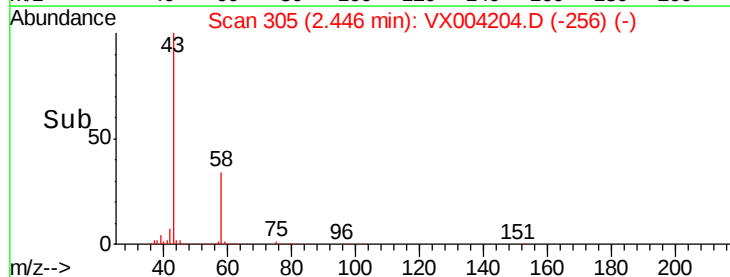
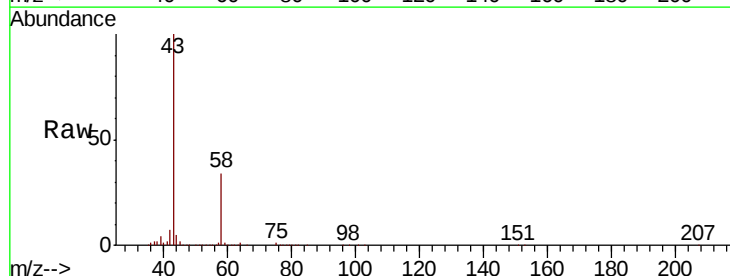
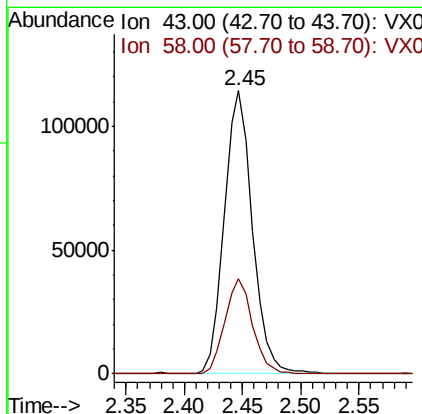
RT: 2.45 min Scan# 305

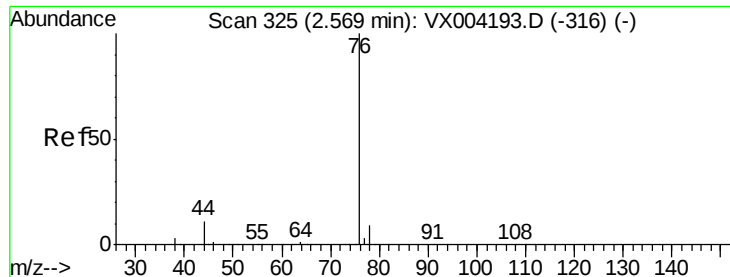
Delta R.T. 0.00 min

Lab File: VX004204.D

Acq: 22 Aug 2018 17:43

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 43    | Resp: | 190635 |
| Ion Ratio | Lower | Upper |        |
| 43        | 100   |       |        |
| 58        | 33.8  | 26.2  | 39.4   |





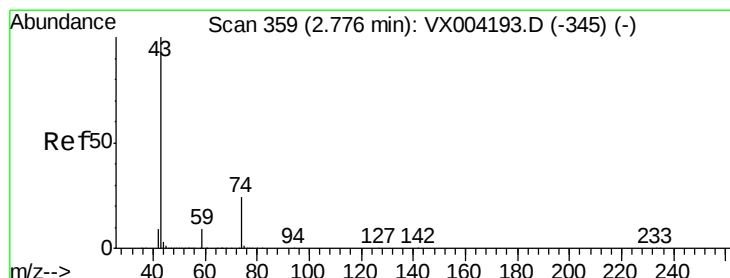
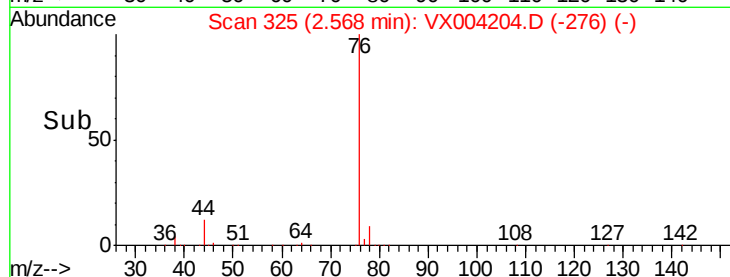
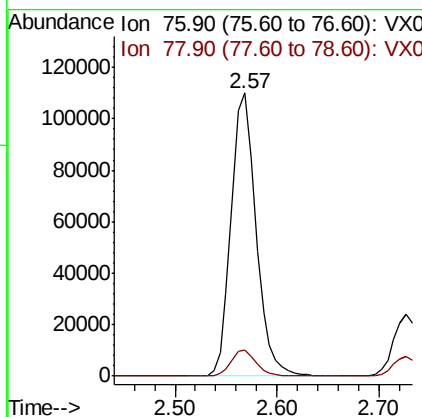
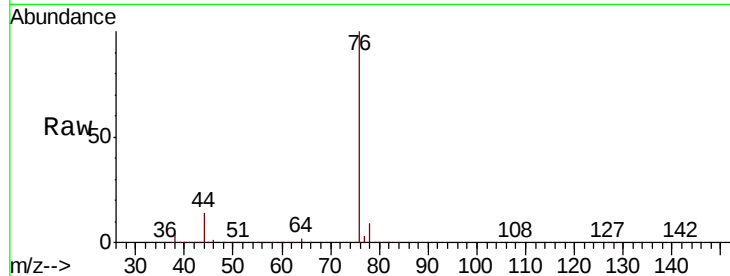
#17  
Carbon Disulfide  
Concen: 19.73 ug/l  
RT: 2.57 min Scan# 325  
Delta R.T. 0.00 min  
Lab File: VX004204.D  
Acq: 22 Aug 2018 17:43

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0822WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 9.1   | 7.0   | 10.6  |

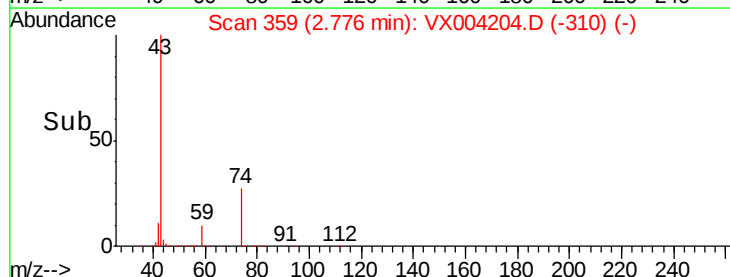
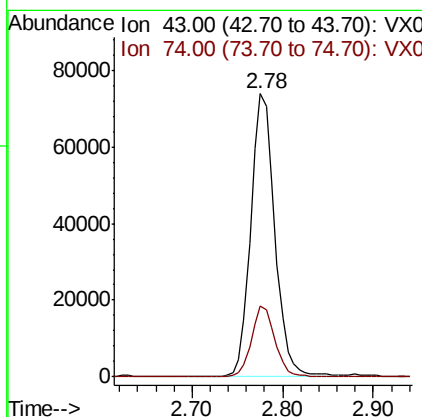
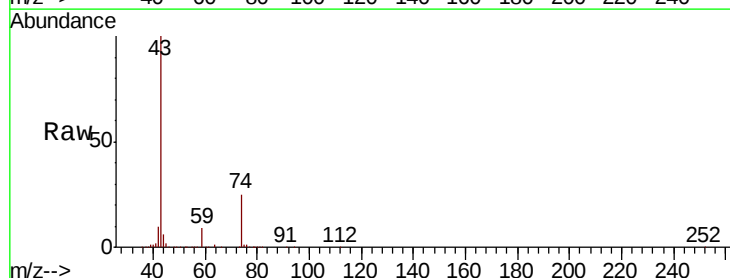
Manual Integrations  
APPROVED

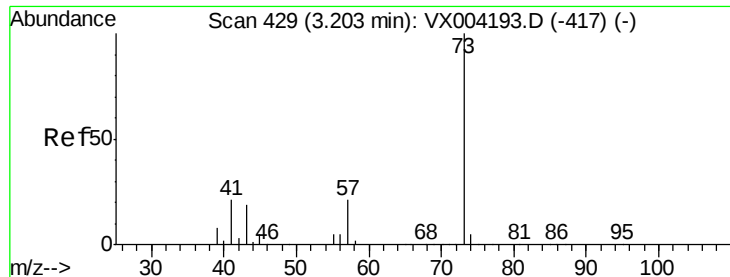
MMDadoda  
8/23/2018 9:40:28 AM



#18  
Methyl Acetate  
Concen: 21.17 ug/l  
RT: 2.78 min Scan# 359  
Delta R.T. -0.00 min  
Lab File: VX004204.D  
Acq: 22 Aug 2018 17:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 74      | 23.8  | 19.4  | 29.2  |





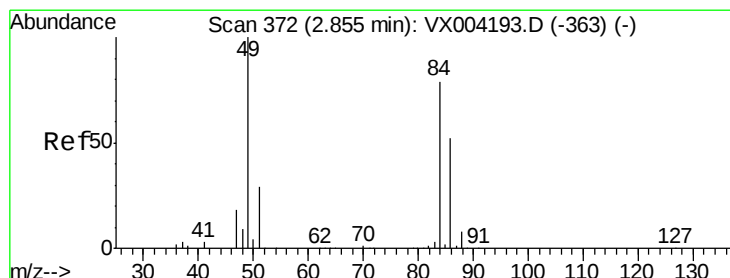
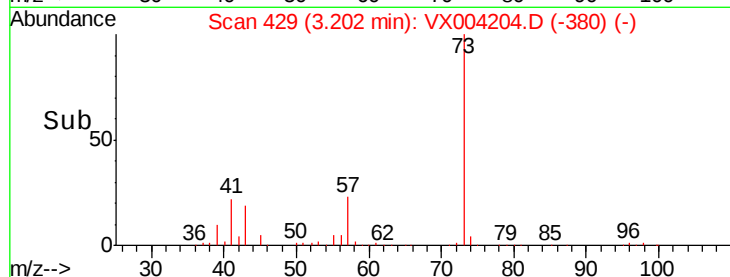
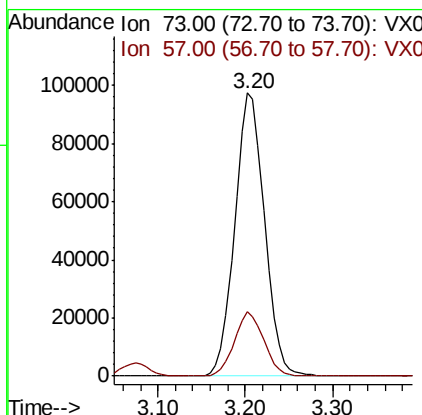
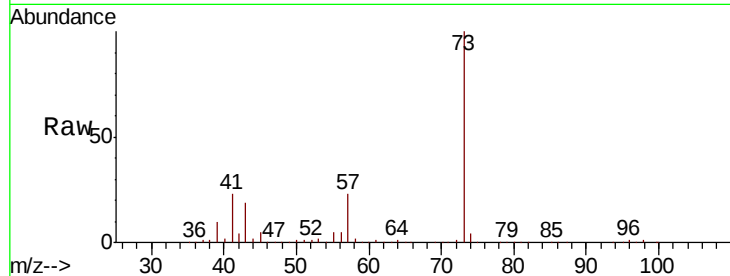
#19  
Methvl tert-butvl Ether  
Concen: 20.00 ug/l  
RT: 3.20 min Scan# 429  
Delta R.T. -0.00 min  
Lab File: VX004204.D  
Acq: 22 Aug 2018 17:43

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0822WBSD01

Tot Ion: 73 Resp: 230092  
Ion Ratio Lower Upper  
73 100  
57 22.8 17.1 25.7

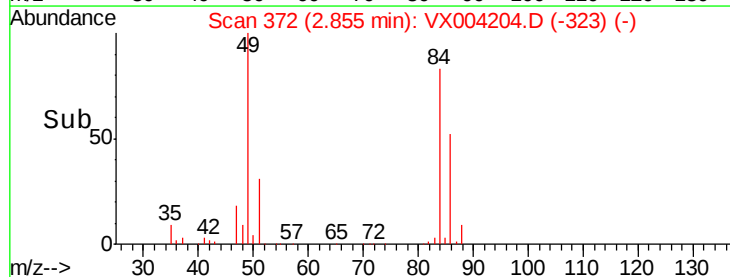
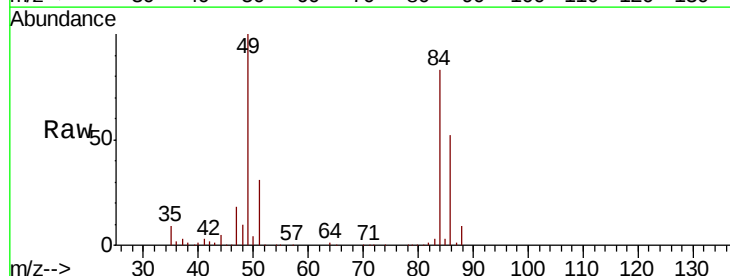
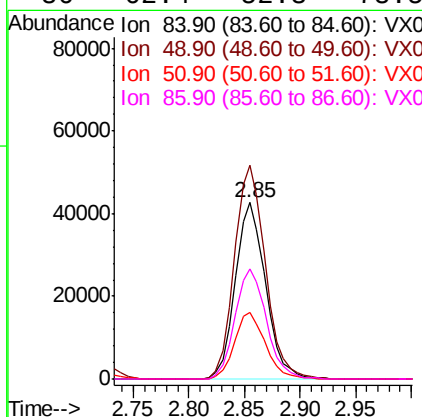
Manual Integrations  
APPROVED

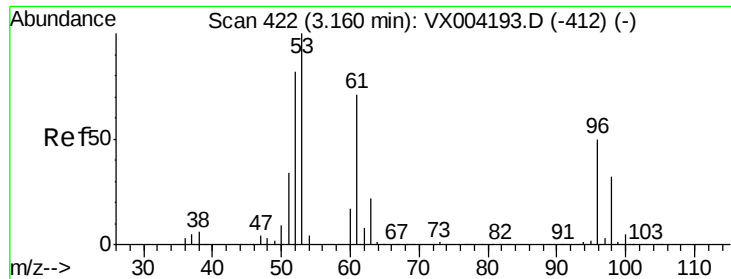
MMDadoda  
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#20  
Methylene Chloride  
Concen: 19.47 ug/l  
RT: 2.85 min Scan# 372  
Delta R.T. -0.00 min  
Lab File: VX004204.D  
Acq: 22 Aug 2018 17:43

Tgt Ion: 84 Resp: 80465  
Ion Ratio Lower Upper  
84 100  
49 120.9 101.2 151.8  
51 37.7 29.5 44.3  
86 62.4 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 18.99 ug/l

RT: 3.16 min Scan# 422

Delta R.T. -0.00 min

Lab File: VX004204.D

Acq: 22 Aug 2018 17:43

Instrument :

MSVOA\_X

ClientSampleId :

VX0822WBSD01

Tot Ion: 96 Resp: 73367

Ion Ratio Lower Upper

96 100

61 143.7 113.8 170.6

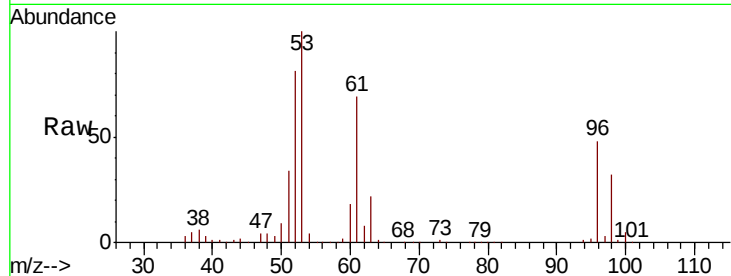
98 65.9 51.8 77.8

Manual Integrations

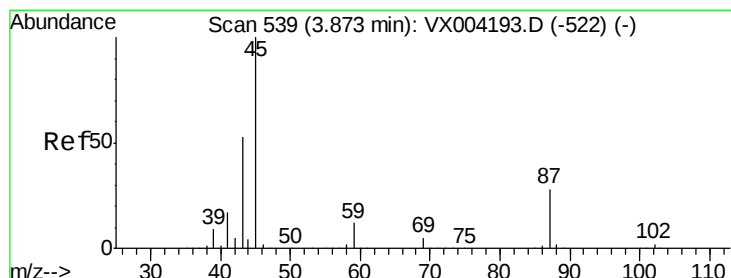
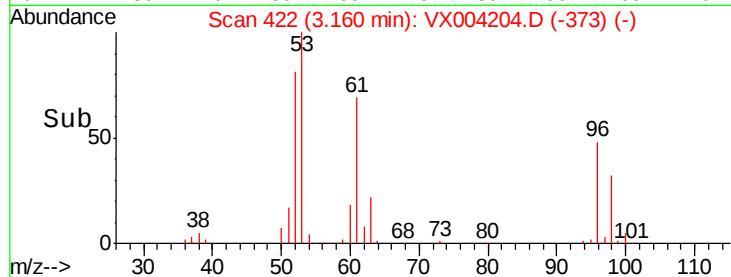
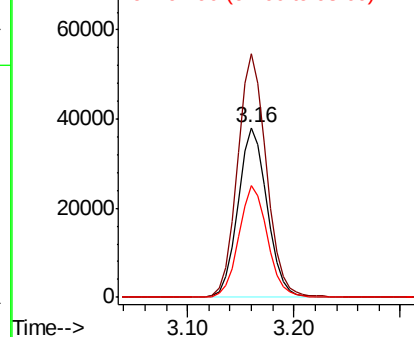
APPROVED

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8/23/2018 9:40:28 AM



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



#22

Diisopropyl ether

Concen: 19.85 ug/l

RT: 3.87 min Scan# 539

Delta R.T. -0.00 min

Lab File: VX004204.D

Acq: 22 Aug 2018 17:43

Tgt Ion: 45 Resp: 237689

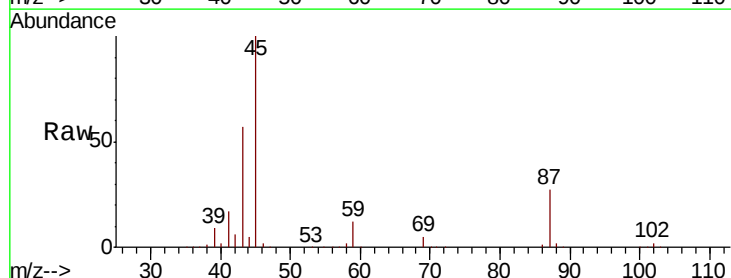
Ion Ratio Lower Upper

45 100

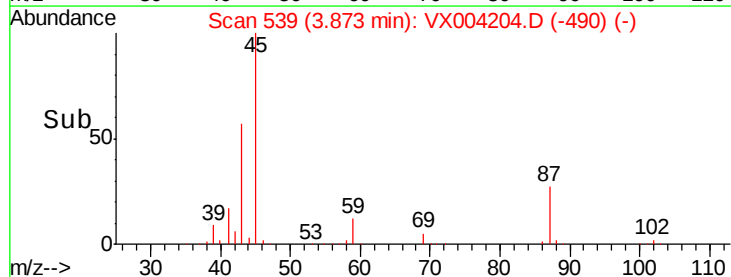
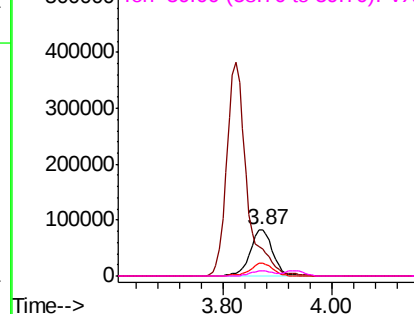
43 56.6 42.8 64.2

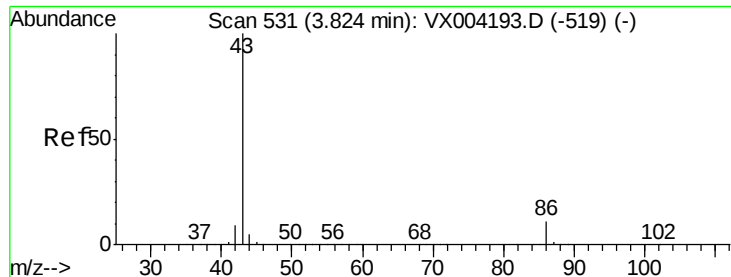
87 27.3 22.6 34.0

59 12.0 9.6 14.4



Abundance Ion 45.00 (44.70 to 45.70): VX0  
Ion 43.00 (42.70 to 43.70): VX0  
Ion 87.00 (86.70 to 87.70): VX0  
Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 101.12 ug/l

RT: 3.82 min Scan# 531

Delta R.T. -0.00 min

Lab File: VX004204.D

Acq: 22 Aug 2018 17:43

Instrument :

MSVOA\_X

ClientSampleId :

VX0822WBSD01

Tot Ion: 43 Resp: 981361

Ion Ratio Lower Upper

43 100

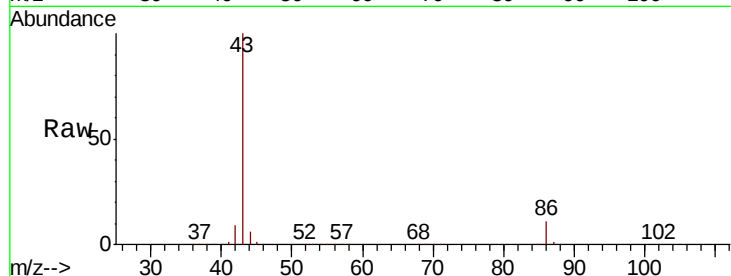
86 11.3 8.9 13.3

Manual Integrations

APPROVED

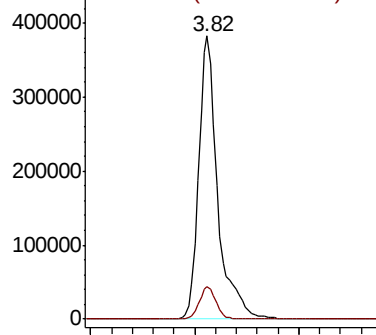
MMDadoda

8/23/2018 9:40:28 AM

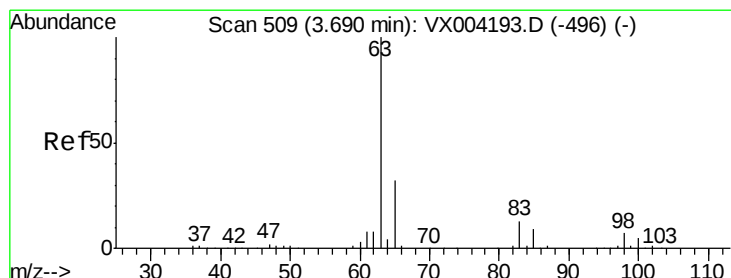
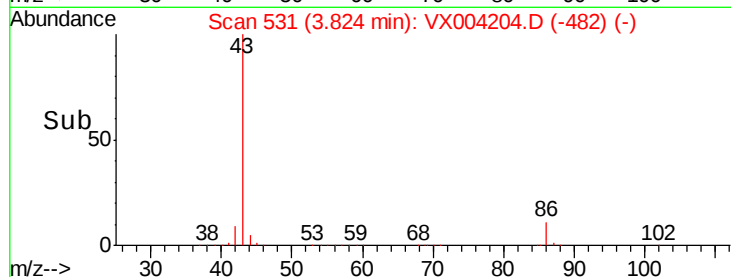


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



Time-->



#24

1,1-Dichloroethane

Concen: 19.19 ug/l

RT: 3.70 min Scan# 510

Delta R.T. 0.01 min

Lab File: VX004204.D

Acq: 22 Aug 2018 17:43

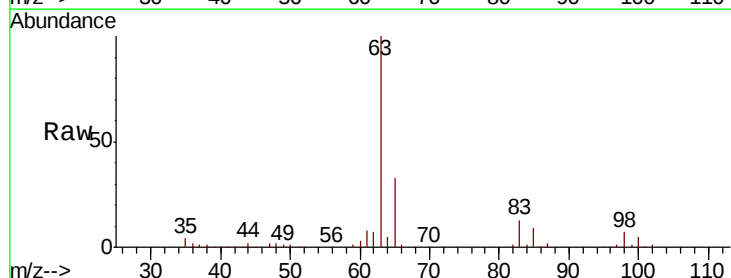
Tgt Ion: 63 Resp: 133874

Ion Ratio Lower Upper

63 100

98 7.0 3.5 10.4

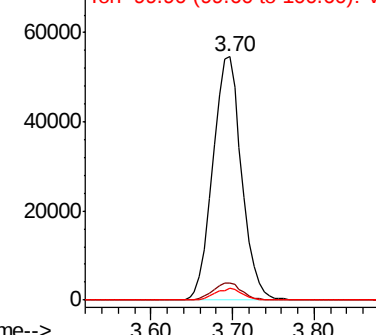
100 4.7 2.4 7.1



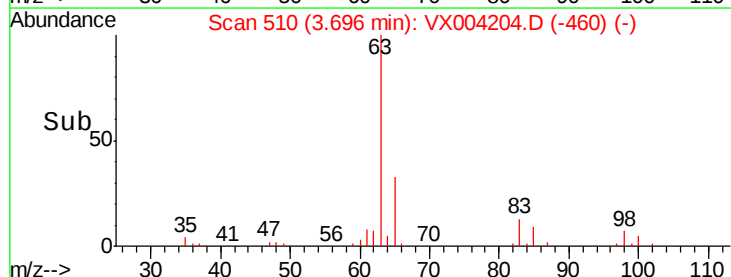
Abundance Ion 62.90 (62.60 to 63.60): VX0

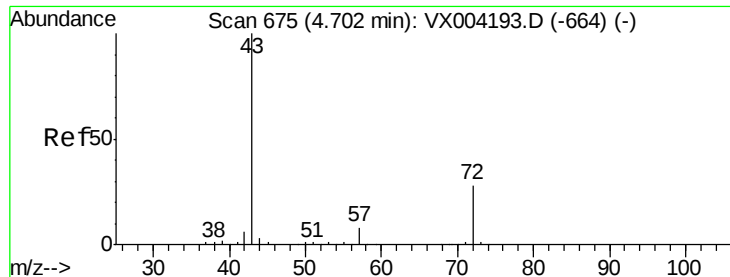
Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0



Time-->





#25

2-Butanone

Concen: 103.58 ug/l

RT: 4.70 min Scan# 675

Delta R.T. 0.00 min

Lab File: VX004204.D

Acq: 22 Aug 2018 17:43

Instrument :

MSVOA\_X

ClientSampleId :

VX0822WBSD01

Tot Ion: 43 Resp: 302854

Ion Ratio Lower Upper

43 100

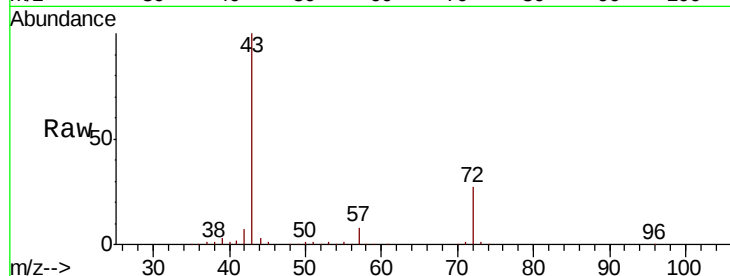
72 27.2 22.0 33.0

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

120000

100000

80000

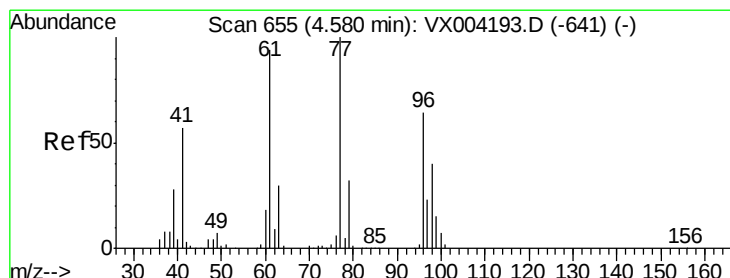
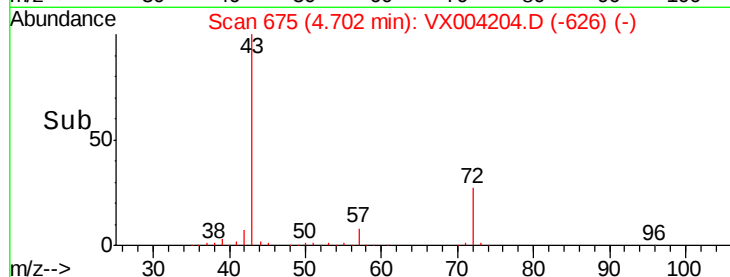
60000

40000

20000

0

Time-->



#26

2,2-Dichloropropane

Concen: 18.80 ug/l

RT: 4.58 min Scan# 655

Delta R.T. -0.00 min

Lab File: VX004204.D

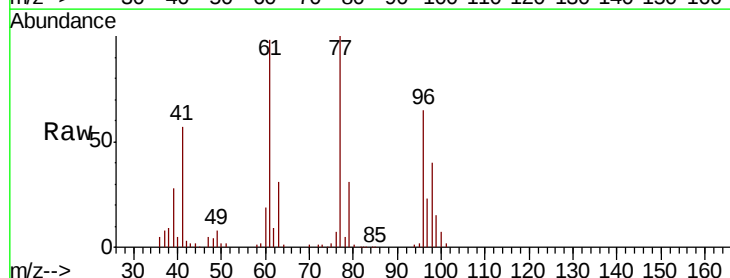
Acq: 22 Aug 2018 17:43

Tgt Ion: 77 Resp: 102896

Ion Ratio Lower Upper

77 100

97 24.0 11.7 35.0



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

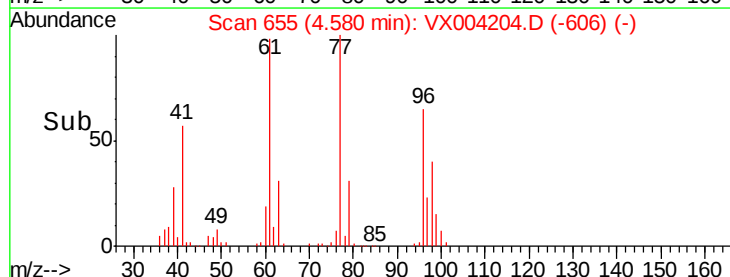
30000

20000

10000

0

Time-->





#27

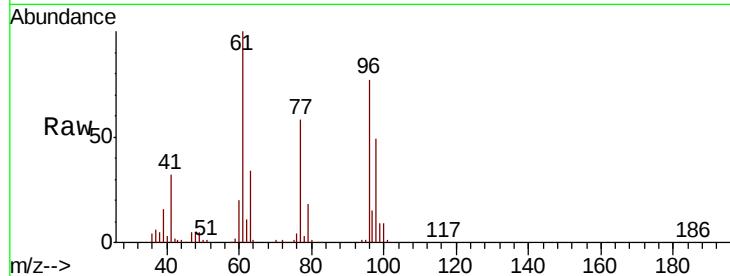
cis-1,2-Dichloroethene  
 Concen: 19.51 ug/l  
 RT: 4.60 min Scan# 658  
 Delta R.T. -0.00 min  
 Lab File: VX004204.D  
 Acq: 22 Aug 2018 17:43

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0822WBSD01

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 96      | 100   |      |       |       |
| 61      | 142.5 | 0.0  | 282.6 |       |
| 98      | 65.5  | 0.0  | 130.2 |       |

Manual Integrations  
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 8/23/2018 9:40:28 AM

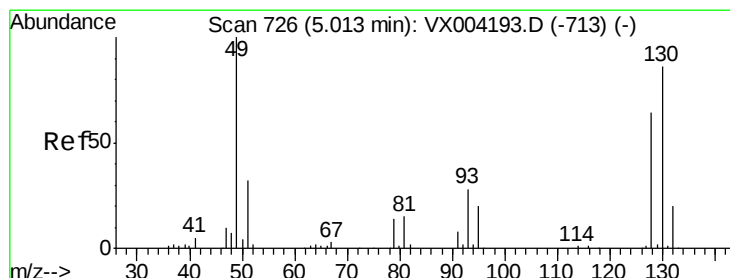
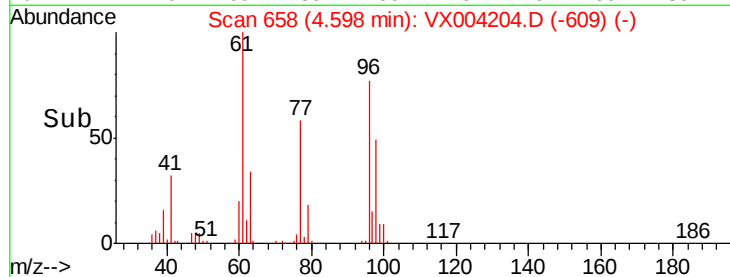
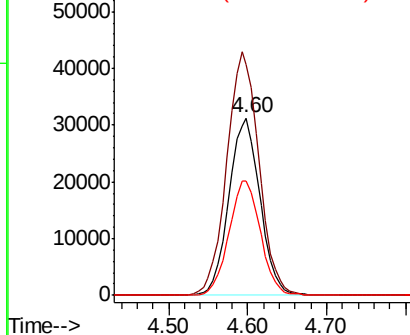


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

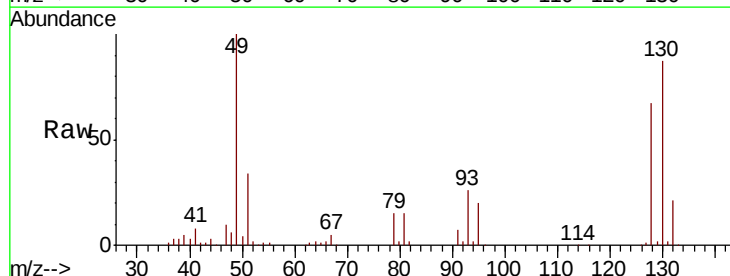
Ion 97.90 (97.60 to 98.60): VX0



#28

Bromochloromethane  
 Concen: 20.81 ug/l  
 RT: 5.02 min Scan# 727  
 Delta R.T. 0.01 min  
 Lab File: VX004204.D  
 Acq: 22 Aug 2018 17:43

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 49      | 100   |      |       |       |
| 129     | 1.8   | 0.0  | 4.2   |       |
| 130     | 84.7  | 67.5 | 101.3 |       |

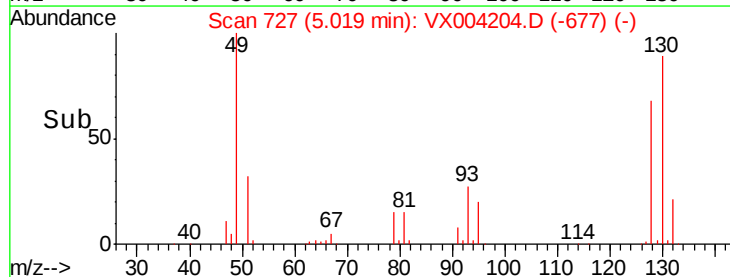
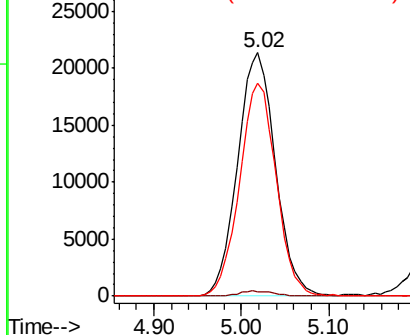


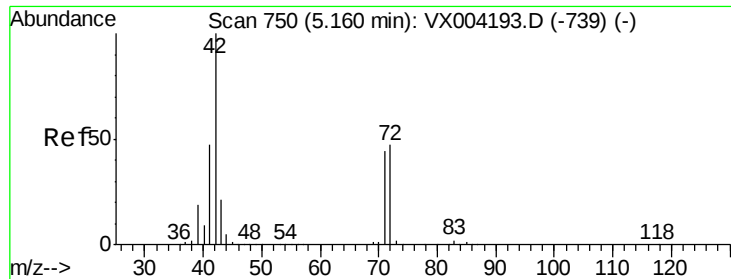
Abundance

Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





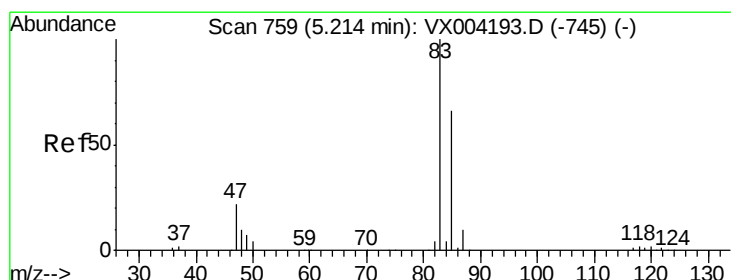
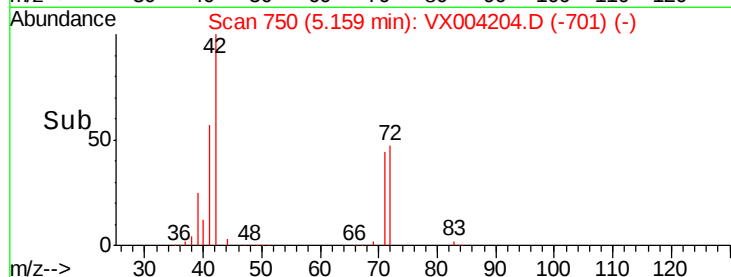
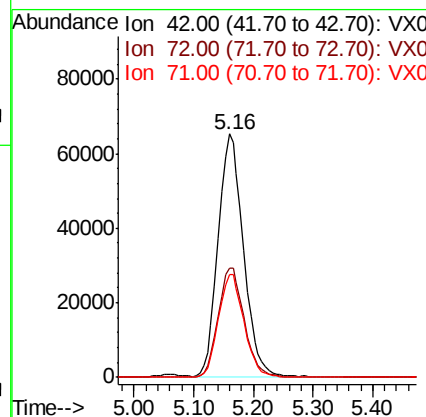
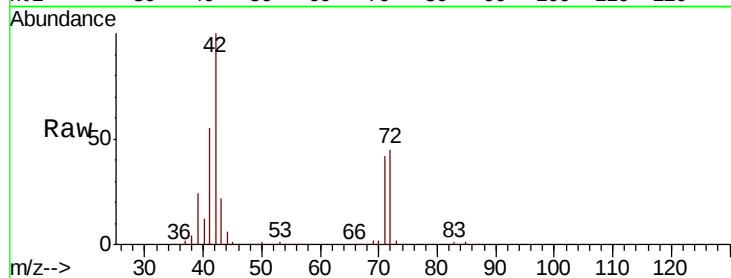
#29  
Tetrahydrofuran  
Concen: 103.67 ug/l  
RT: 5.16 min Scan# 750  
Delta R.T. -0.00 min  
Lab File: VX004204.D  
Acq: 22 Aug 2018 17:43

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0822WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 46.2  | 37.4  | 56.0  |
| 71      | 42.8  | 34.5  | 51.7  |

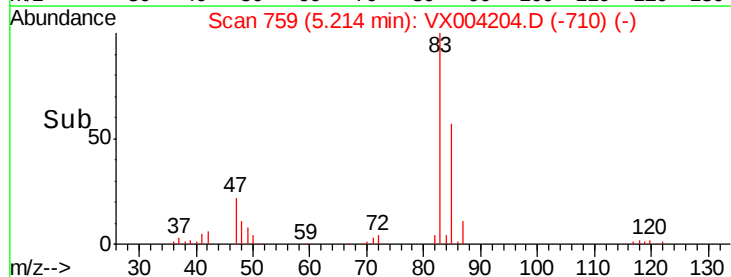
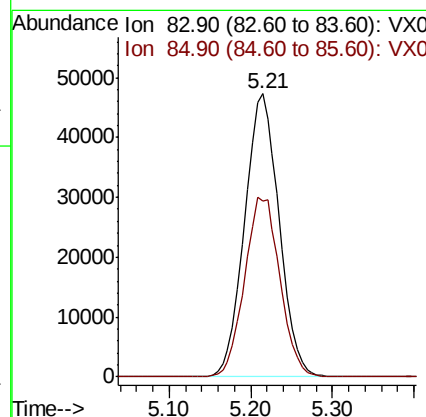
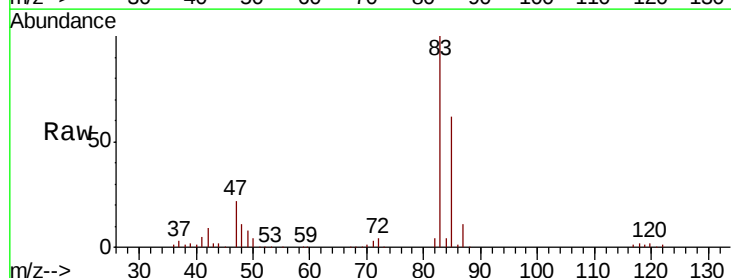
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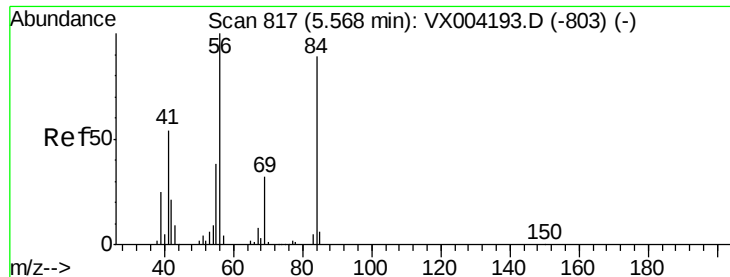
MMDadoda  
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#30  
Chloroform  
Concen: 19.91 ug/l  
RT: 5.21 min Scan# 759  
Delta R.T. -0.00 min  
Lab File: VX004204.D  
Acq: 22 Aug 2018 17:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 62.2  | 52.6  | 79.0  |





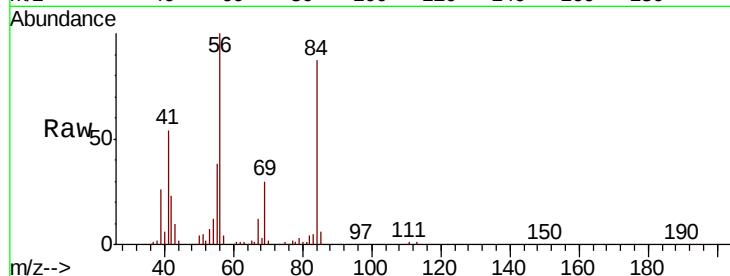
#31  
Cyclohexane  
Concen: 20.06 ug/l  
RT: 5.57 min Scan# 817  
Delta R.T. -0.00 min  
Lab File: VX004204.D  
Acq: 22 Aug 2018 17:43

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0822WBSD01

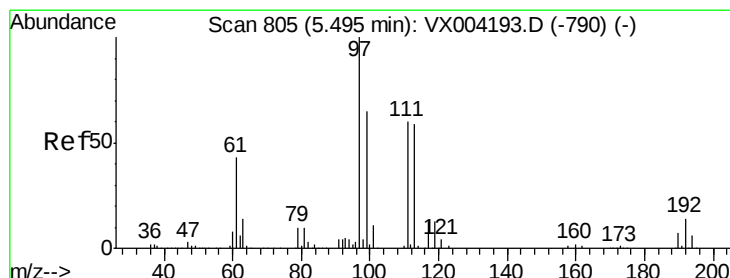
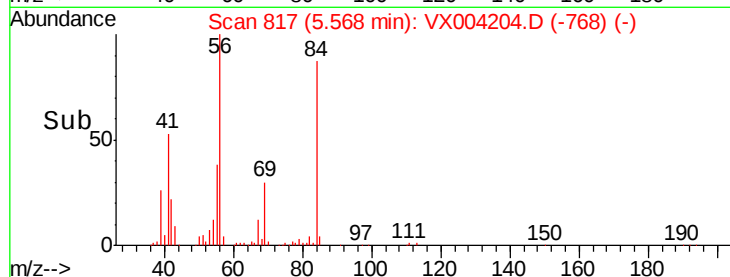
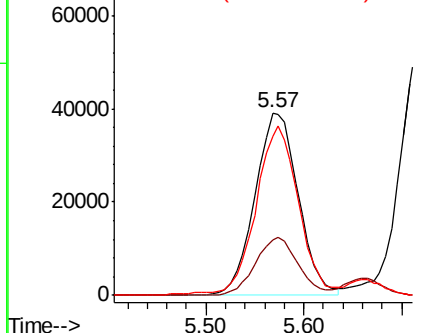
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 69      | 30.2  | 25.4  | 38.2  |
| 84      | 85.9  | 71.4  | 107.2 |

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8/23/2018 9:40:28 AM

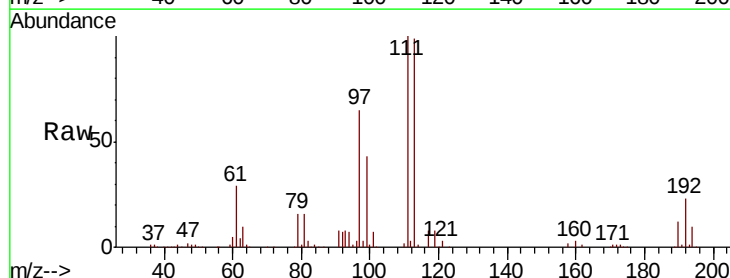


Abundance Ion 56.00 (55.70 to 56.70): VX0  
Ion 69.00 (68.70 to 69.70): VX0  
Ion 84.00 (83.70 to 84.70): VX0

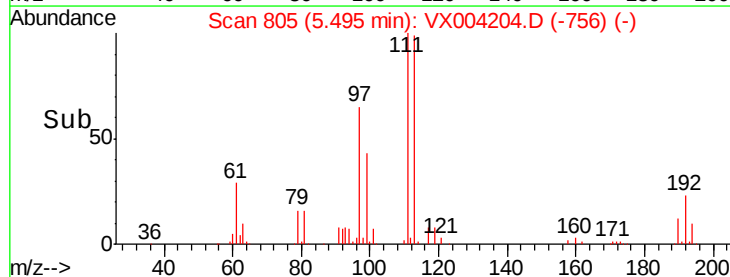
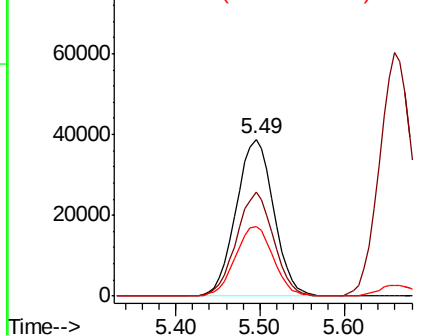


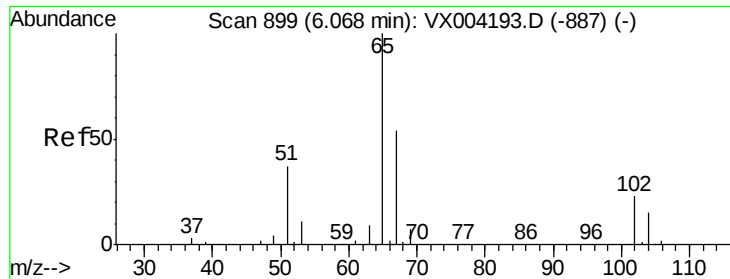
#32  
1,1,1-Trichloroethane  
Concen: 20.11 ug/l  
RT: 5.49 min Scan# 805  
Delta R.T. -0.00 min  
Lab File: VX004204.D  
Acq: 22 Aug 2018 17:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 99      | 65.3  | 52.0  | 78.0  |
| 61      | 44.8  | 34.9  | 52.3  |



Abundance Ion 96.90 (96.60 to 97.60): VX0  
Ion 98.90 (98.60 to 99.60): VX0  
Ion 60.90 (60.60 to 61.60): VX0





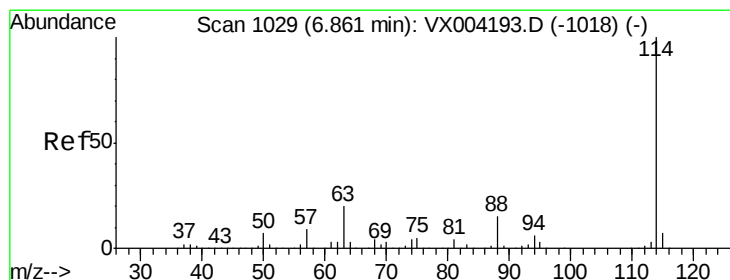
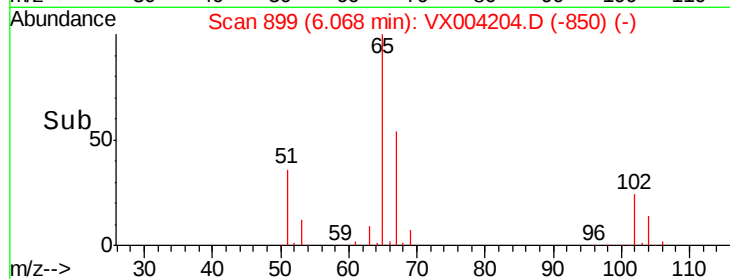
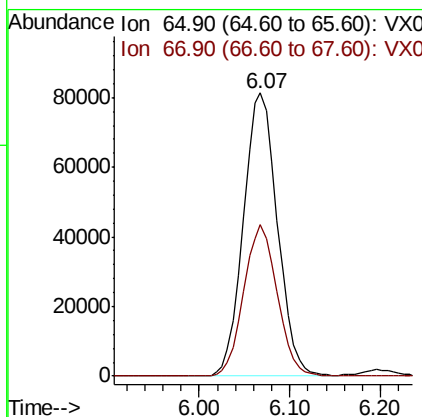
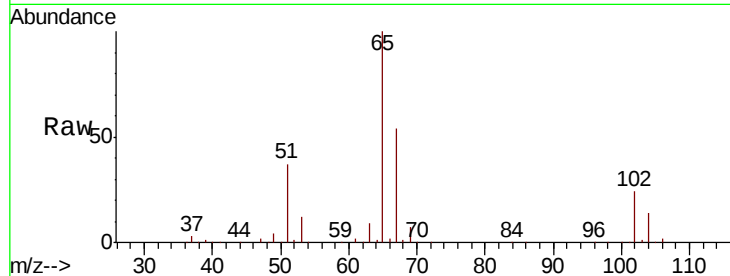
#33  
 1,2-Dichloroethane-d4  
 Concen: 49.13 ug/l  
 RT: 6.07 min Scan# 899  
 Delta R.T. -0.00 min  
 Lab File: VX004204.D  
 Acq: 22 Aug 2018 17:43

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0822WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 67      | 52.8  | 0.0   | 106.8 |

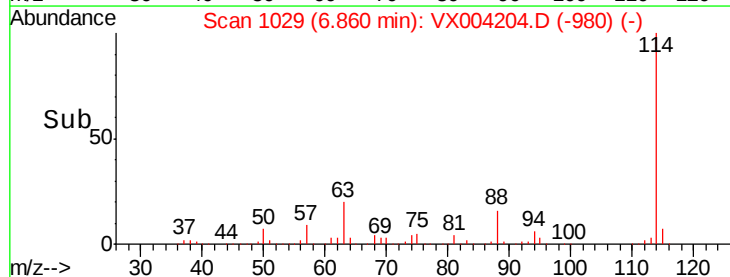
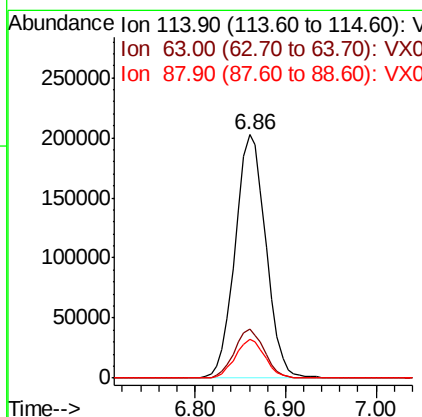
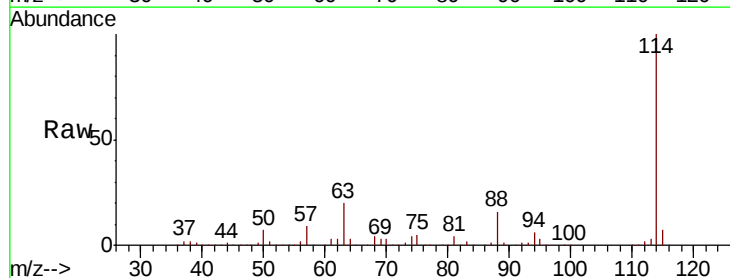
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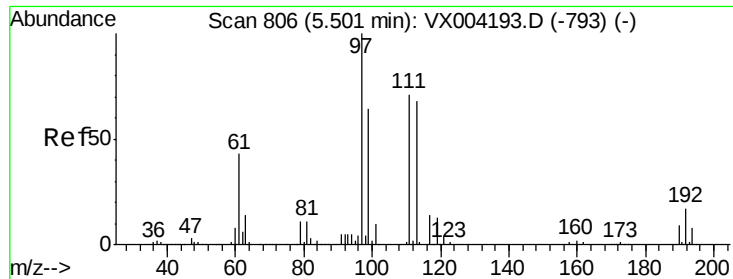
MMDadoda  
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#34  
 1,4-Difluorobenzene  
 Concen: 50.00 ug/l  
 RT: 6.86 min Scan# 1029  
 Delta R.T. -0.00 min  
 Lab File: VX004204.D  
 Acq: 22 Aug 2018 17:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 20.1  | 0.0   | 39.0  |
| 88      | 15.8  | 0.0   | 30.4  |





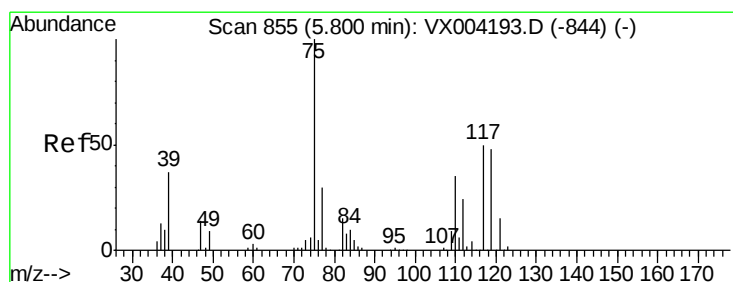
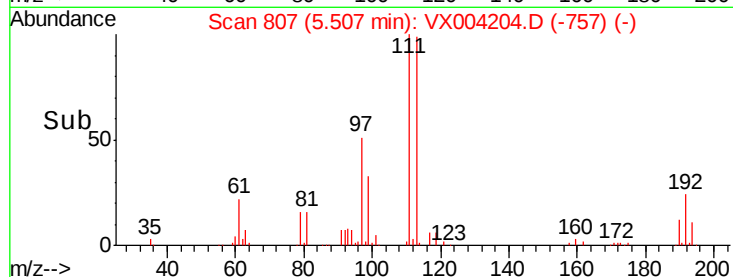
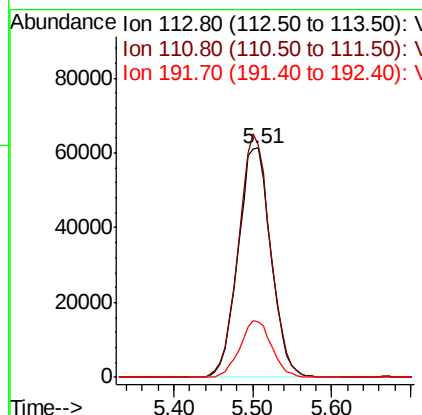
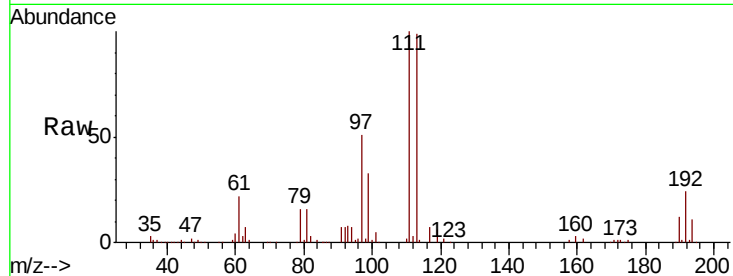
#35  
 Dibromofluoromethane  
 Concen: 50.34 ug/l  
 RT: 5.51 min Scan# 807  
 Delta R.T. 0.01 min  
 Lab File: VX004204.D  
 Acq: 22 Aug 2018 17:43

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0822WBSD01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 113     | 100   | 178086 |       |       |
| 111     | 102.7 | 82.4   | 123.6 |       |
| 192     | 23.8  | 19.4   | 29.2  |       |

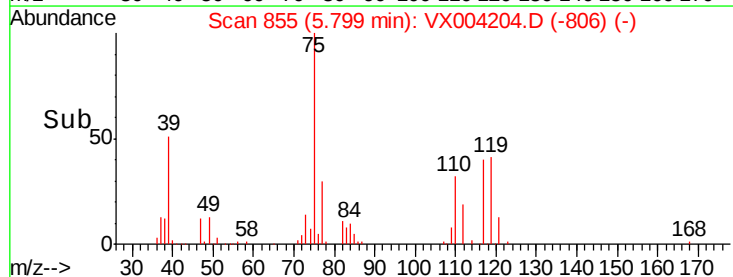
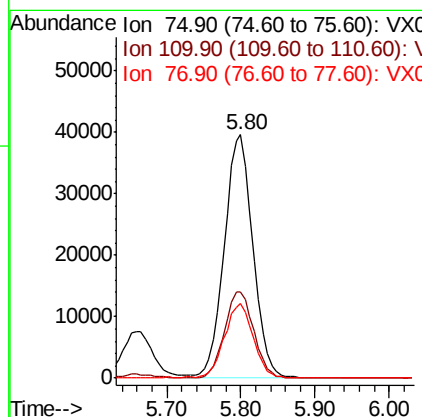
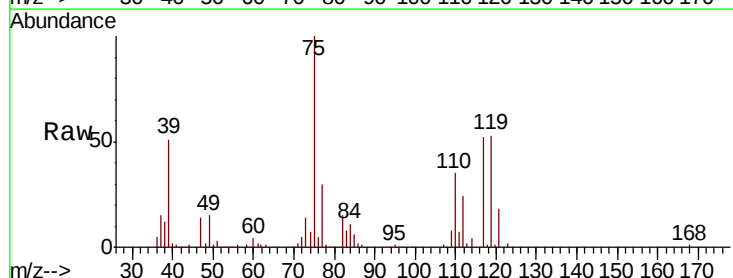
Manual Integrations  
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 8/23/2018 9:40:28 AM



#36  
 1,1-Dichloropropene  
 Concen: 19.89 ug/l  
 RT: 5.80 min Scan# 855  
 Delta R.T. -0.00 min  
 Lab File: VX004204.D  
 Acq: 22 Aug 2018 17:43

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 75      | 100   | 106324 |       |       |
| 110     | 36.1  | 18.0   | 54.0  |       |
| 77      | 31.0  | 24.6   | 36.8  |       |





#37

Ethyl Acetate

Concen: 21.05 ug/l

RT: 4.86 min Scan# 701

Delta R.T. -0.00 min

Lab File: VX004204.D

Acq: 22 Aug 2018 17:43

Instrument :

MSVOA\_X

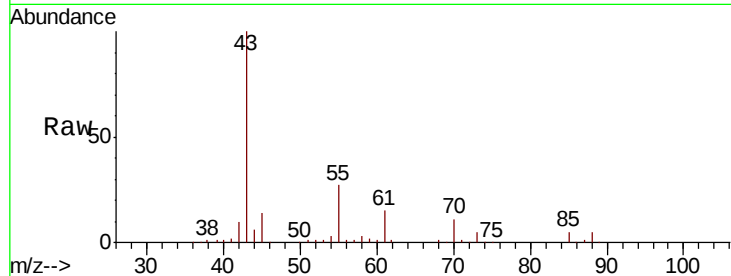
ClientSampleId :

VX0822WBSD01

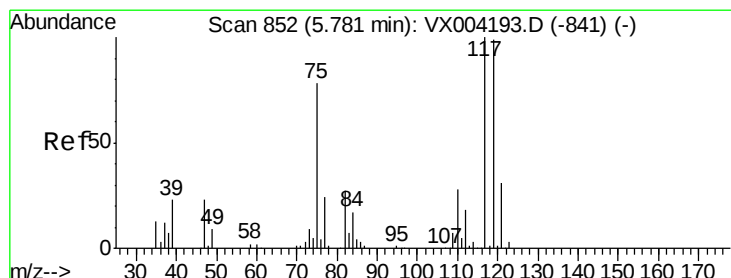
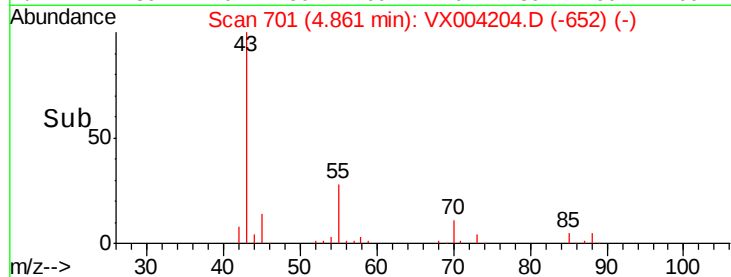
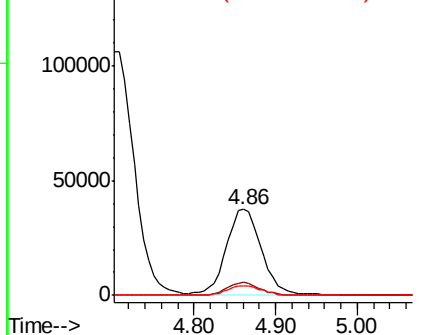
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 43    | Resp: | 110668 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 61       | 14.4  | 11.5  | 17.3   |
| 70       | 11.4  | 9.0   | 13.6   |

Manual Integrations  
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8/23/2018 9:40:28 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0  
Ion 60.90 (60.60 to 61.60): VX0  
Ion 70.00 (69.70 to 70.70): VX0



#38

Carbon Tetrachloride

Concen: 20.22 ug/l

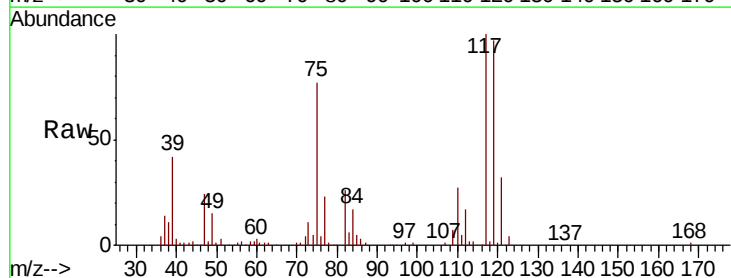
RT: 5.78 min Scan# 852

Delta R.T. -0.00 min

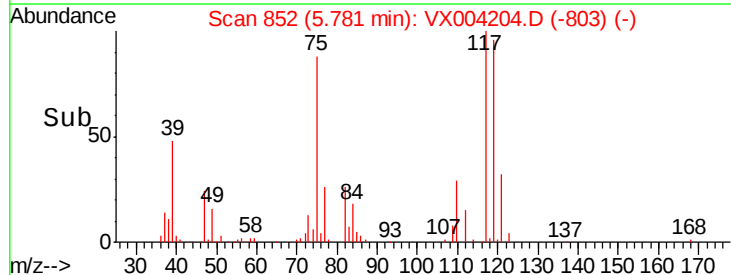
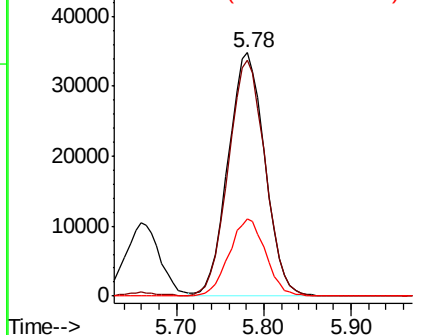
Lab File: VX004204.D

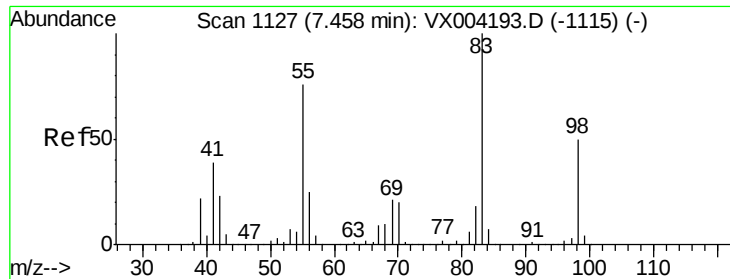
Acq: 22 Aug 2018 17:43

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 101721 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 119      | 96.5  | 78.8  | 118.2  |
| 121      | 31.8  | 24.9  | 37.3   |



Abundance Ion 116.80 (116.50 to 117.50): V  
Ion 118.80 (118.50 to 119.50): V  
Ion 120.80 (120.50 to 121.50): V





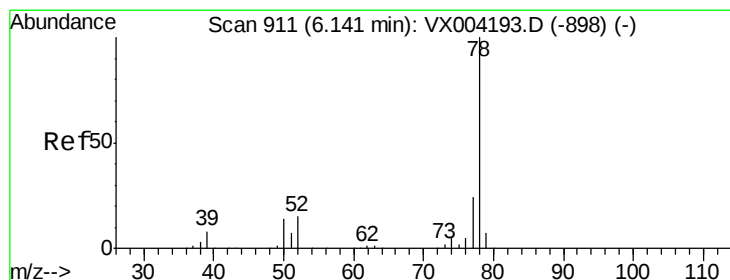
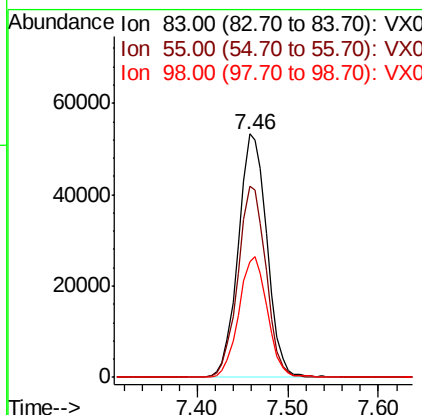
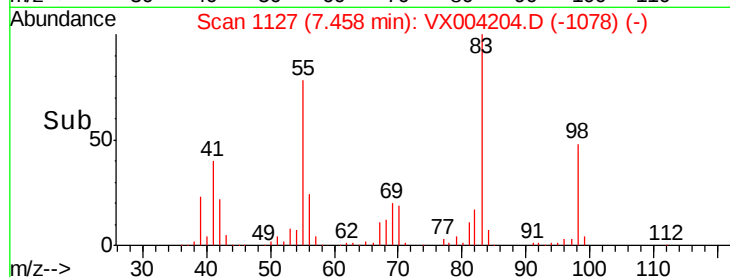
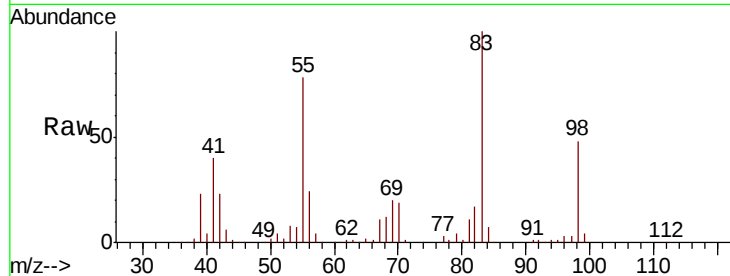
#39  
Methvlcvclohexane  
Concen: 19.12 ug/l  
RT: 7.46 min Scan# 1127  
Delta R.T. -0.00 min  
Lab File: VX004204.D  
Acq: 22 Aug 2018 17:43

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0822WBSD01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 83      | 100   | 116721 |       |       |
| 55      | 78.3  | 61.0   | 91.4  |       |
| 98      | 47.6  | 39.6   | 59.4  |       |

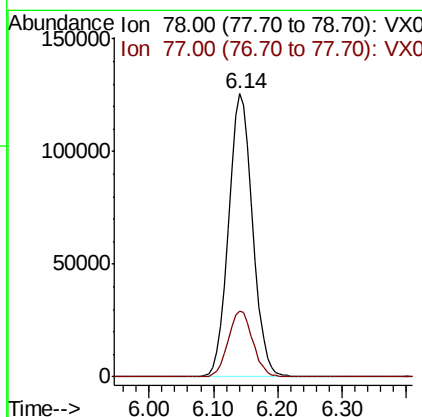
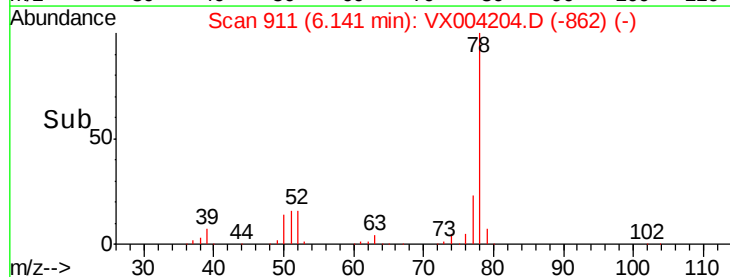
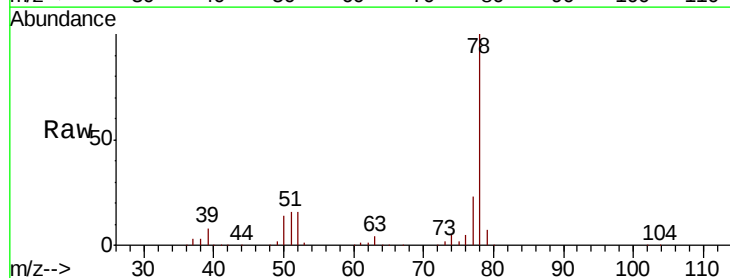
Manual Integrations  
APPROVED

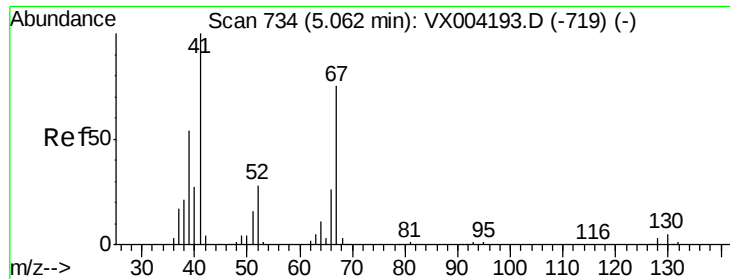
MMDadoda  
8/23/2018 9:40:28 AM



#40  
Benzene  
Concen: 20.61 ug/l  
RT: 6.14 min Scan# 911  
Delta R.T. -0.00 min  
Lab File: VX004204.D  
Acq: 22 Aug 2018 17:43

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 78      | 100   | 329226 |       |       |
| 77      | 23.1  | 19.0   | 28.4  |       |





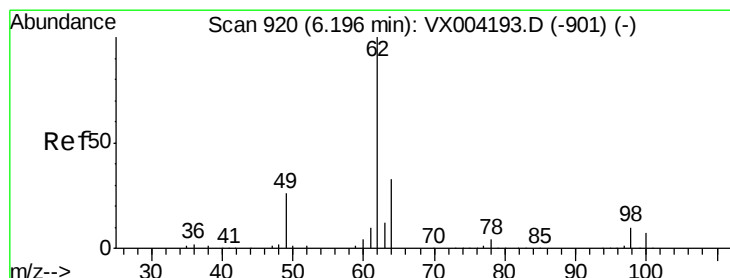
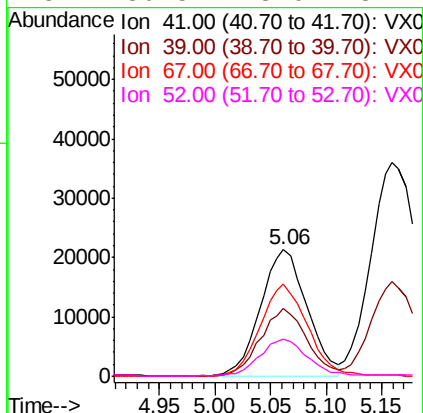
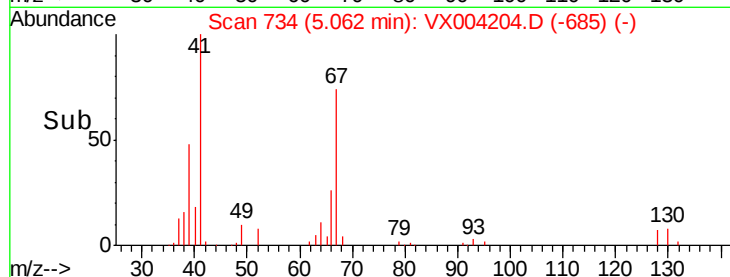
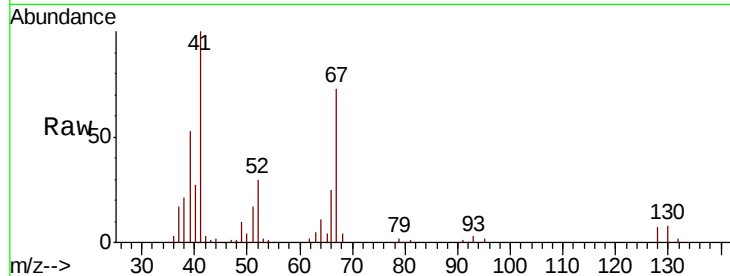
#41  
Methacrylonitrile  
Concen: 20.27 ug/l  
RT: 5.06 min Scan# 734  
Delta R.T. -0.00 min  
Lab File: VX004204.D  
Acq: 22 Aug 2018 17:43

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0822WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 41      | 100   |       |       |
| 39      | 53.6  | 42.4  | 63.6  |
| 67      | 74.7  | 59.2  | 88.8  |
| 52      | 30.5  | 23.0  | 34.4  |

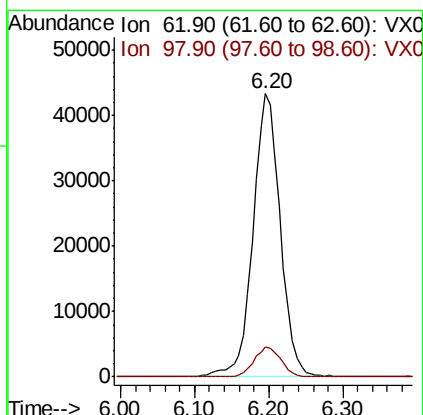
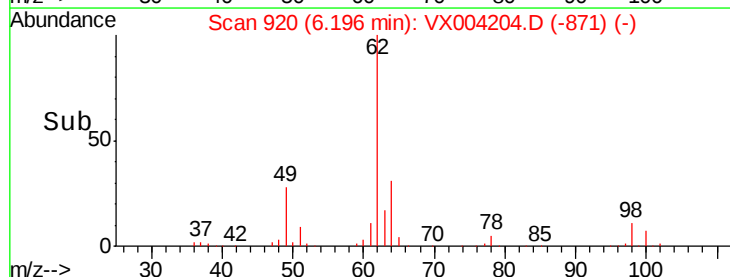
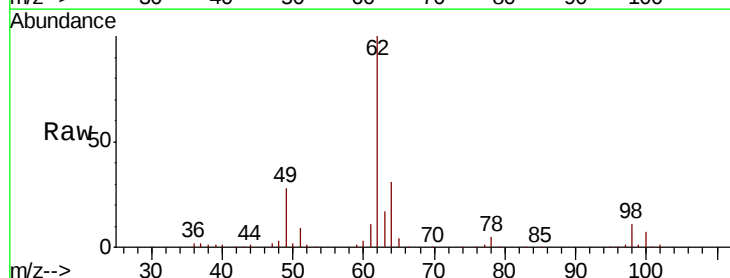
Manual Integrations  
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8/23/2018 9:40:28 AM



#42  
1,2-Dichloroethane  
Concen: 20.24 ug/l  
RT: 6.20 min Scan# 920  
Delta R.T. -0.00 min  
Lab File: VX004204.D  
Acq: 22 Aug 2018 17:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 62      | 100   |       |       |
| 98      | 10.6  | 0.0   | 20.6  |





#43

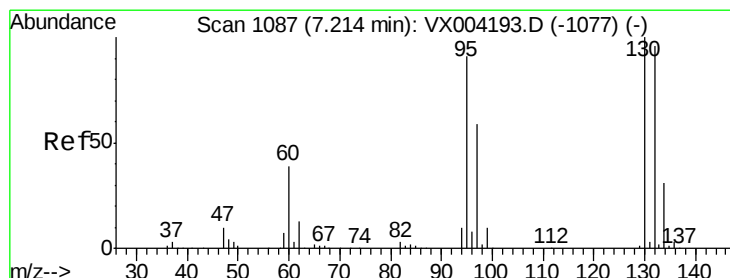
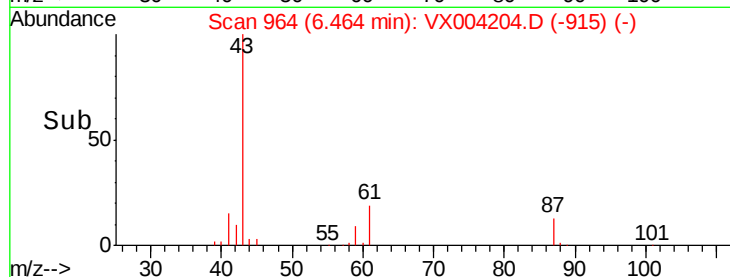
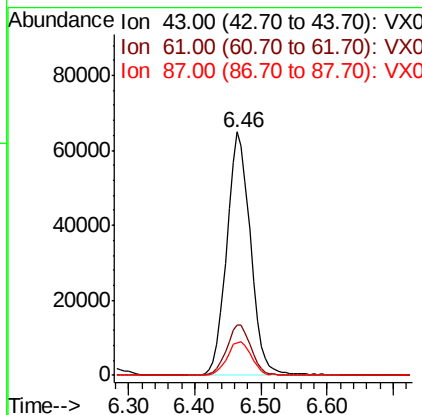
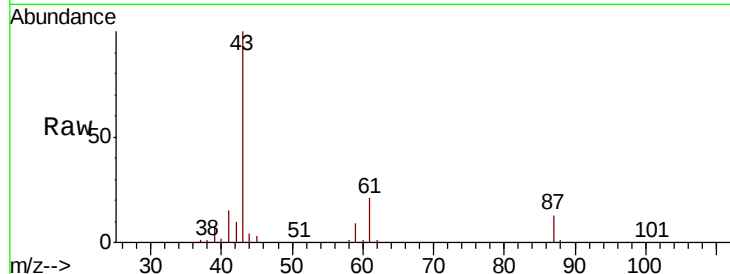
Isopropyl Acetate  
 Concen: 19.98 ug/l  
 RT: 6.46 min Scan# 964  
 Delta R.T. -0.00 min  
 Lab File: VX004204.D  
 Acq: 22 Aug 2018 17:43

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0822WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 21.2  | 17.0  | 25.4  |
| 87      | 14.2  | 11.4  | 17.2  |

Manual Integrations  
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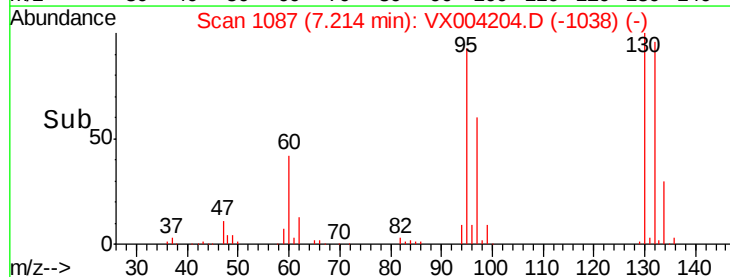
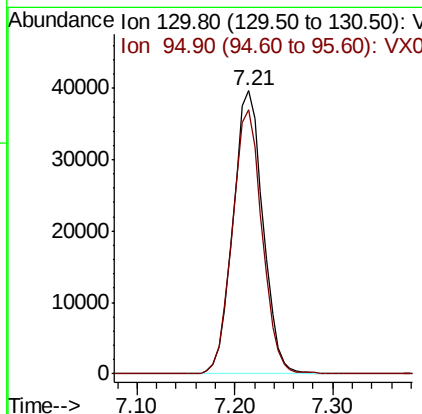
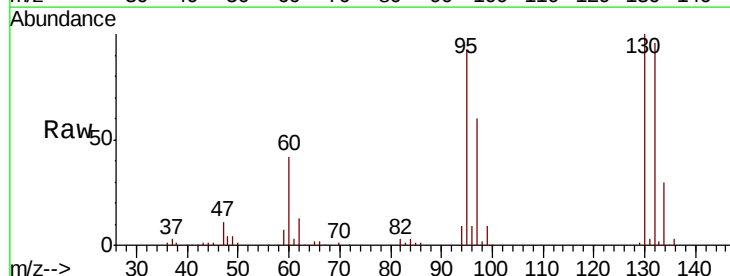
MMDadoda  
 8/23/2018 9:40:28 AM



#44

Trichloroethene  
 Concen: 19.07 ug/l  
 RT: 7.21 min Scan# 1087  
 Delta R.T. -0.00 min  
 Lab File: VX004204.D  
 Acq: 22 Aug 2018 17:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 130     | 100   |       |       |
| 95      | 93.4  | 0.0   | 181.6 |





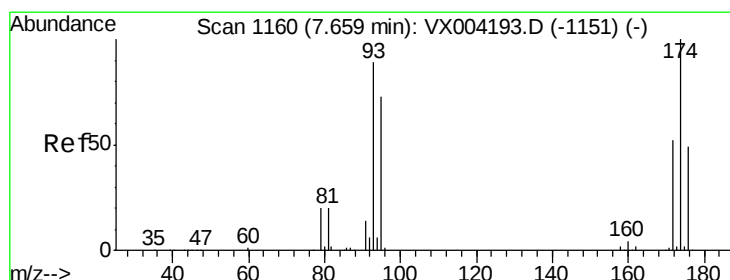
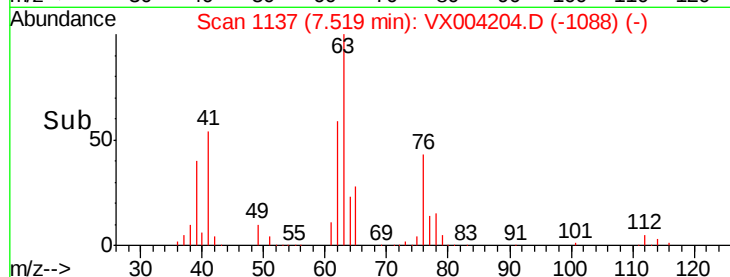
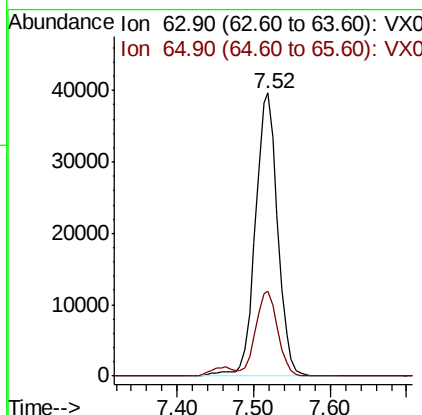
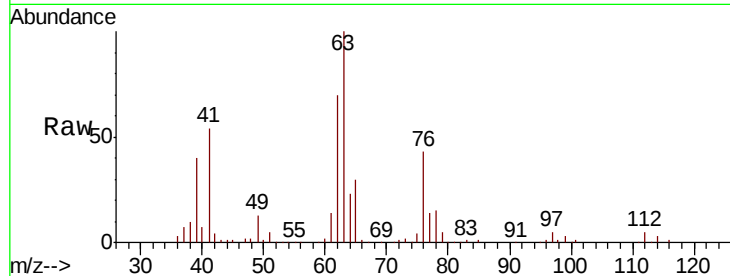
#45  
 1,2-Dichloropropane  
 Concen: 20.24 ug/l  
 RT: 7.52 min Scan# 1137  
 Delta R.T. -0.00 min  
 Lab File: VX004204.D  
 Acq: 22 Aug 2018 17:43

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0822WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 65      | 30.1  | 24.3  | 36.5  |

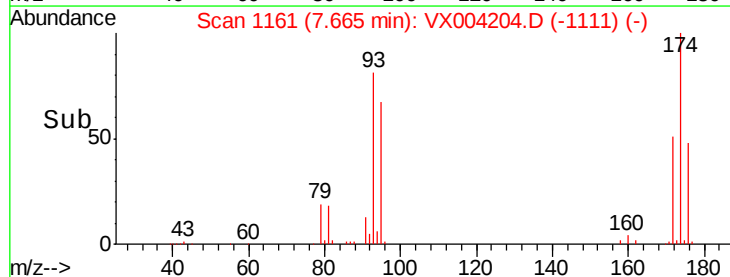
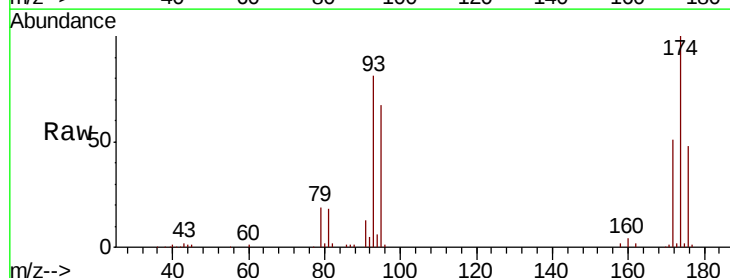
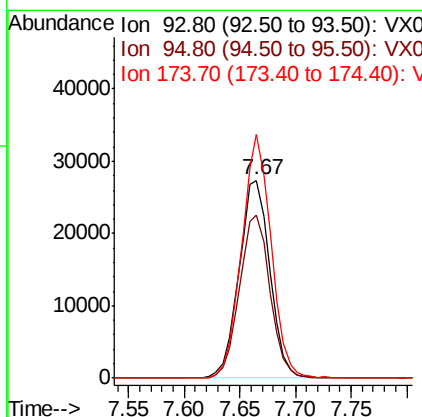
Manual Integrations  
 APPROVED

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 8/23/2018 9:40:28 AM



#46  
 Dibromomethane  
 Concen: 19.69 ug/l  
 RT: 7.67 min Scan# 1161  
 Delta R.T. 0.01 min  
 Lab File: VX004204.D  
 Acq: 22 Aug 2018 17:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 95      | 82.2  | 65.5  | 98.3  |
| 174     | 117.6 | 94.2  | 141.4 |





#47

Bromodichloromethane

Concen: 19.64 ug/l

RT: 7.90 min Scan# 1199

Delta R.T. -0.00 min

Lab File: VX004204.D

Acq: 22 Aug 2018 17:43

Instrument :

MSVOA\_X

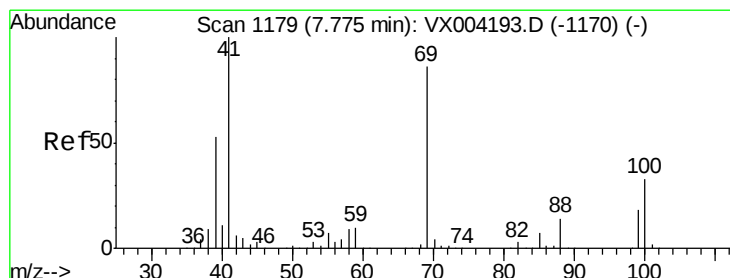
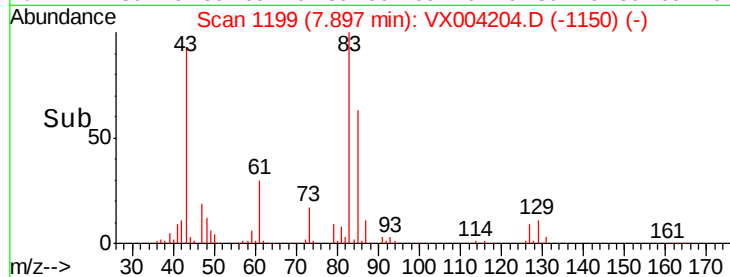
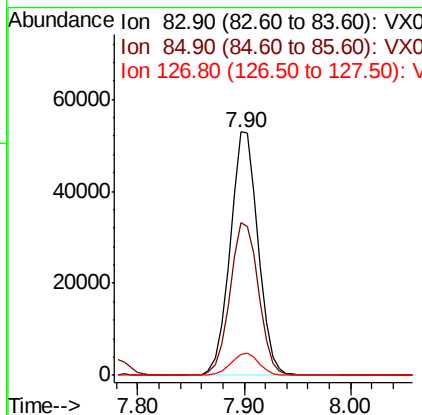
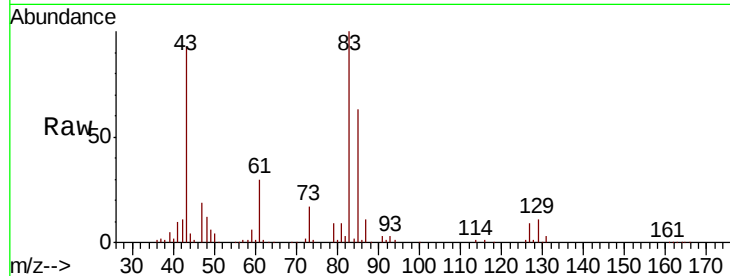
ClientSampleId :

VX0822WBSD01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 83    | Resp: | 97270 |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 85       | 62.9  | 50.9  | 76.3  |
| 127      | 8.6   | 7.3   | 10.9  |

Manual Integrations  
APPROVED

MMDadoda  
8/23/2018 9:40:28 AM



#48

Methyl methacrylate

Concen: 19.67 ug/l

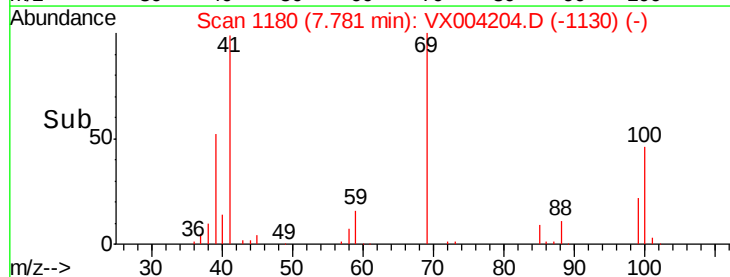
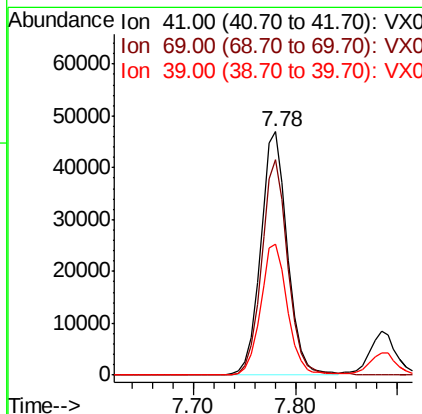
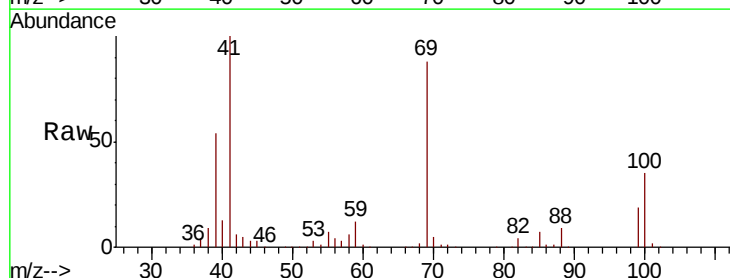
RT: 7.78 min Scan# 1180

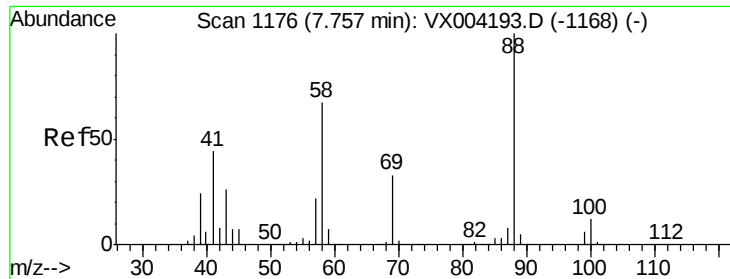
Delta R.T. 0.01 min

Lab File: VX004204.D

Acq: 22 Aug 2018 17:43

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 85053 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 69       | 87.4  | 70.2  | 105.4 |
| 39       | 54.6  | 42.7  | 64.1  |





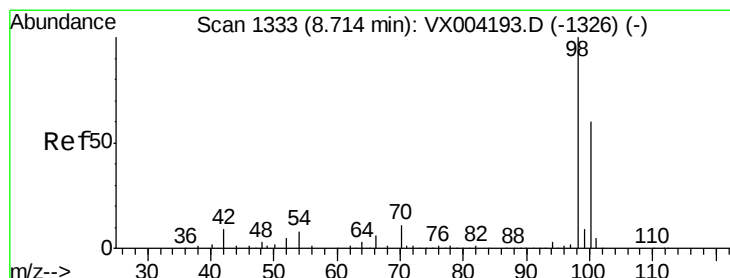
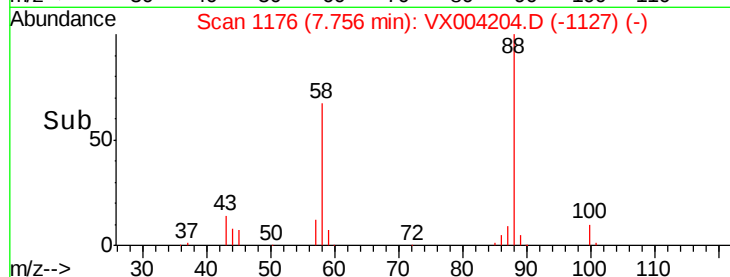
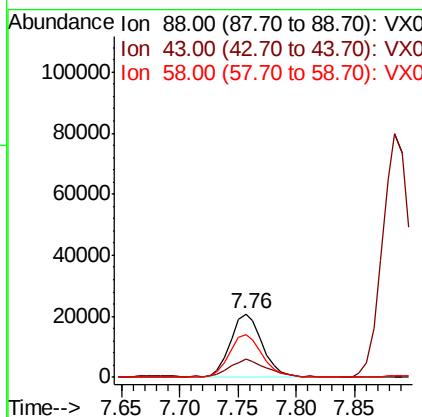
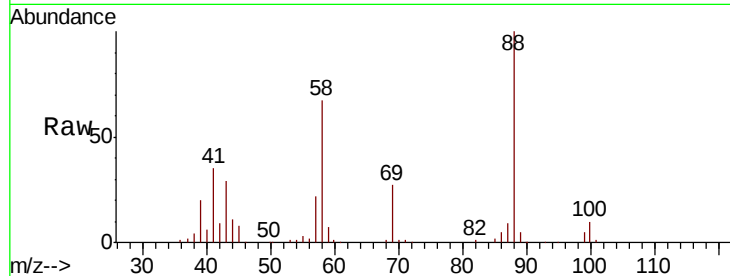
#49  
1,4-Dioxane  
Concen: 405.59 ug/l  
RT: 7.76 min Scan# 1176  
Delta R.T. -0.00 min  
Lab File: VX004204.D  
Acq: 22 Aug 2018 17:43

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0822WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 31.2  | 24.7  | 37.1  |
| 58      | 69.8  | 55.3  | 82.9  |

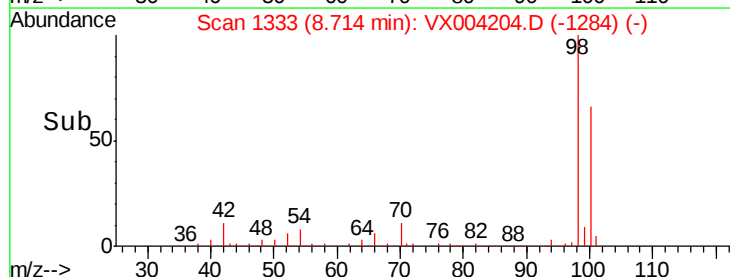
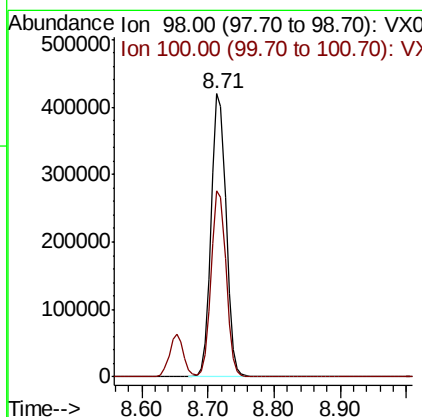
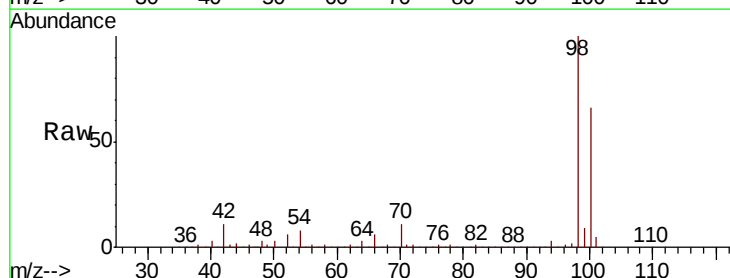
Manual Integrations  
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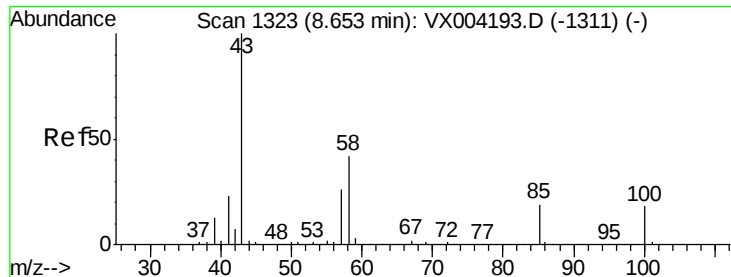
MMDadoda  
8/23/2018 9:40:28 AM



#50  
Toluene-d8  
Concen: 48.98 ug/l  
RT: 8.71 min Scan# 1333  
Delta R.T. -0.00 min  
Lab File: VX004204.D  
Acq: 22 Aug 2018 17:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 65.8  | 52.9  | 79.3  |





#51

4-Methyl-2-Pentanone

Concen: 95.59 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. -0.00 min

Lab File: VX004204.D

Acq: 22 Aug 2018 17:43

Instrument :

MSVOA\_X

ClientSampleId :

VX0822WBSD01

Tot Ion: 43 Resp: 561136

Ion Ratio Lower Upper

43 100

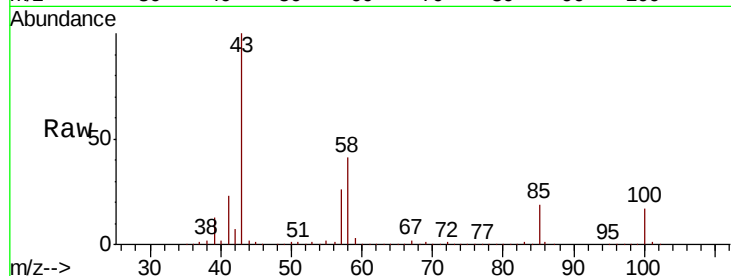
58 41.2 33.1 49.7

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

400000

300000

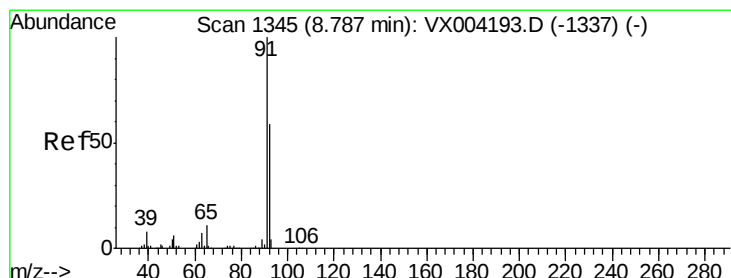
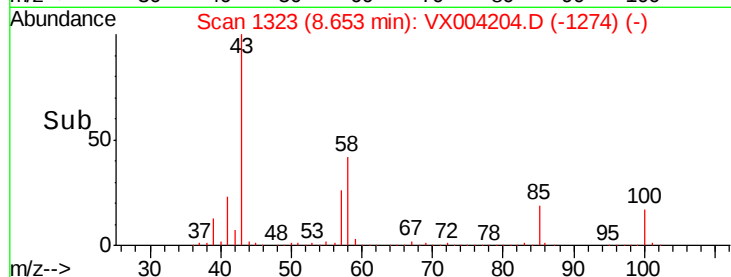
200000

100000

0

8.55 8.60 8.65 8.70

Time-->



#52

Toluene

Concen: 20.18 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VX004204.D

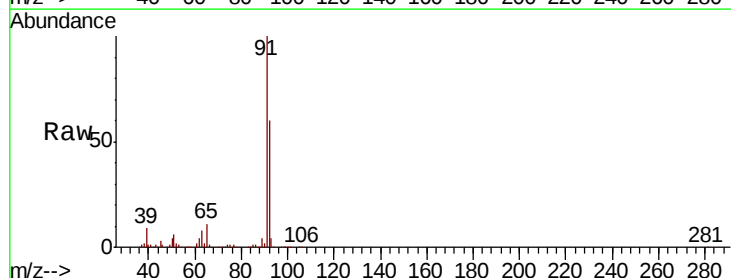
Acq: 22 Aug 2018 17:43

Tgt Ion: 92 Resp: 201820

Ion Ratio Lower Upper

92 100

91 168.0 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

250000

200000

150000

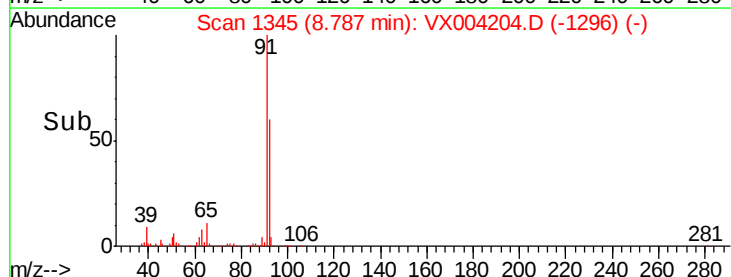
100000

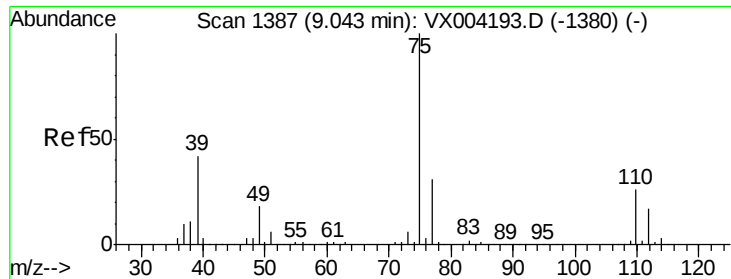
50000

0

8.70 8.80 8.90

Time-->





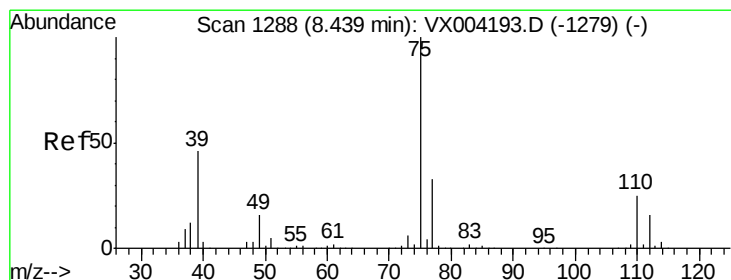
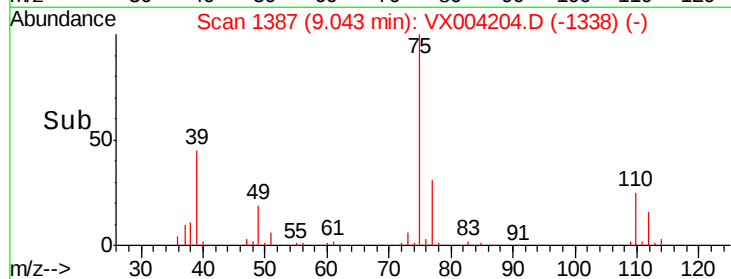
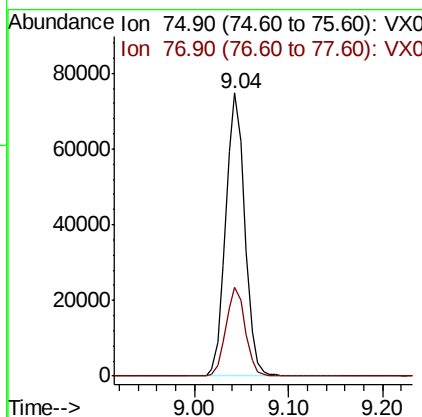
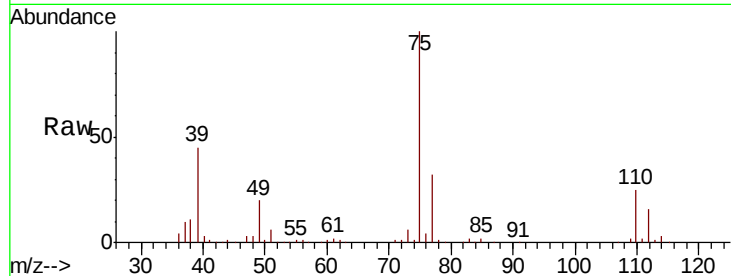
#53  
t-1,3-Dichloropropene  
Concen: 19.28 ug/l  
RT: 9.04 min Scan# 1387  
Delta R.T. -0.00 min  
Lab File: VX004204.D  
Acq: 22 Aug 2018 17:43

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0822WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 31.5  | 24.6  | 37.0  |

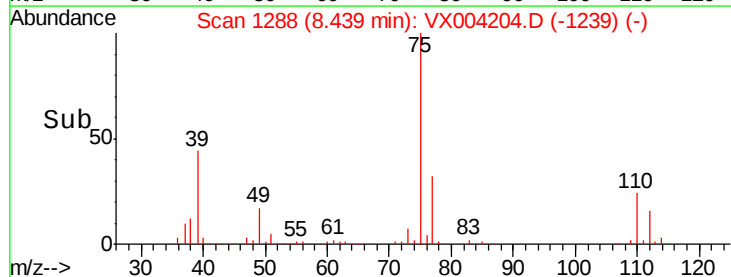
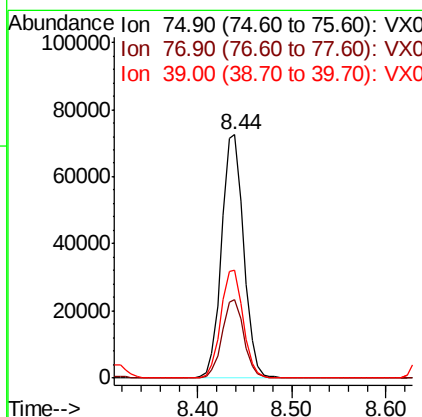
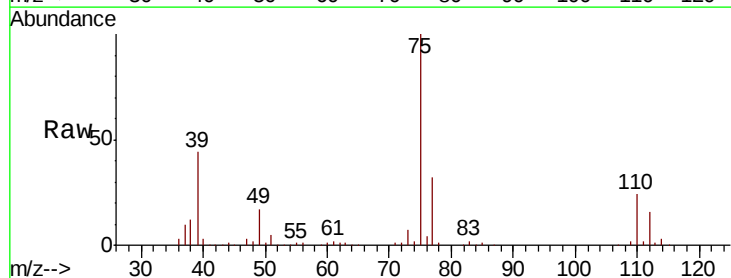
Manual Integrations  
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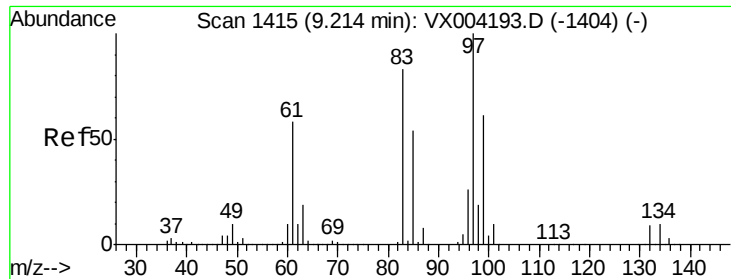
MMDadoda  
8/23/2018 9:40:28 AM



#54  
cis-1,3-Dichloropropene  
Concen: 19.77 ug/l  
RT: 8.44 min Scan# 1288  
Delta R.T. -0.00 min  
Lab File: VX004204.D  
Acq: 22 Aug 2018 17:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 32.2  | 26.2  | 39.2  |
| 39      | 44.1  | 36.4  | 54.6  |





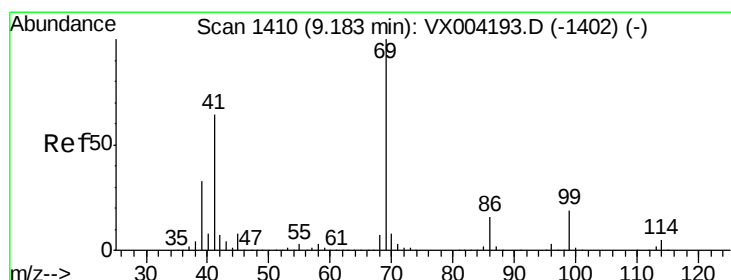
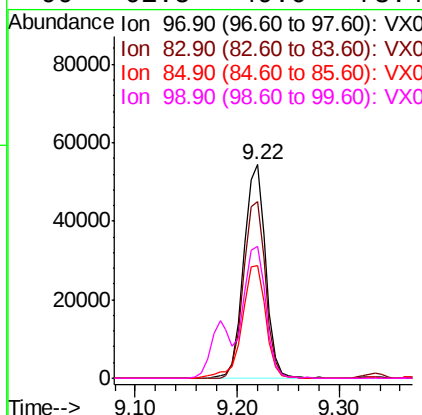
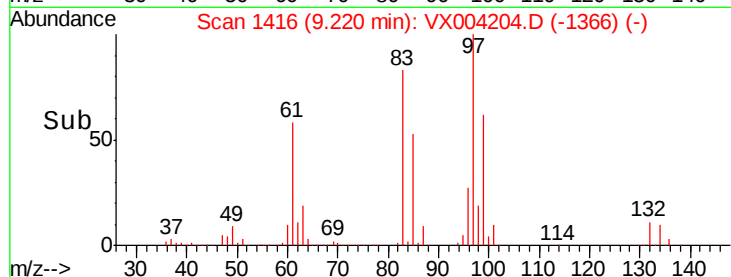
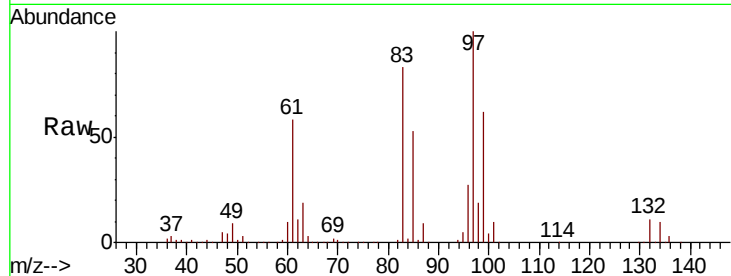
#55  
 1,1,2-Trichloroethane  
 Concen: 19.99 ug/l  
 RT: 9.22 min Scan# 1416  
 Delta R.T. 0.01 min  
 Lab File: VX004204.D  
 Acq: 22 Aug 2018 17:43

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0822WBSD01

| Tot Ion | Ion  | Ratio | Resp  | Lower | Upper |
|---------|------|-------|-------|-------|-------|
| 97      | 100  |       | 80701 |       |       |
| 83      | 82.7 | 66.4  | 99.6  |       |       |
| 85      | 52.7 | 43.3  | 64.9  |       |       |
| 99      | 61.5 | 49.0  | 73.4  |       |       |

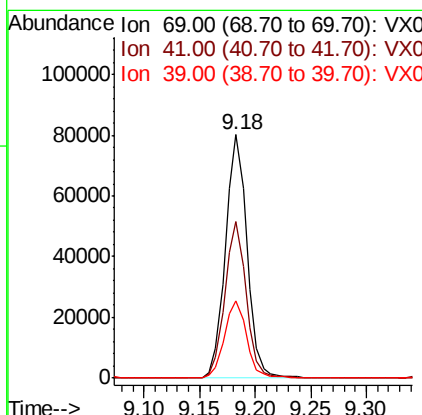
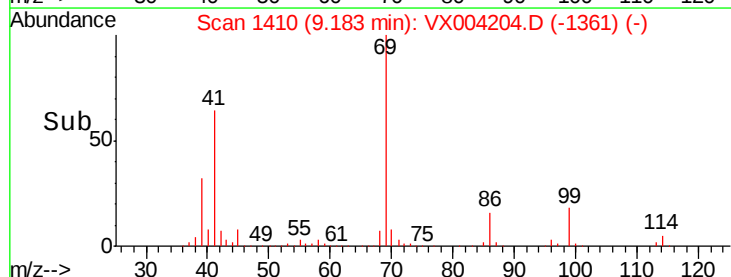
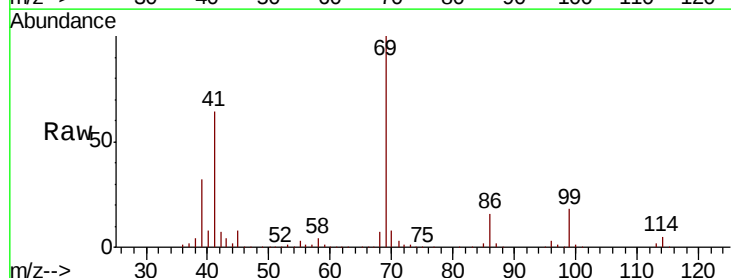
Manual Integrations  
 APPROVED

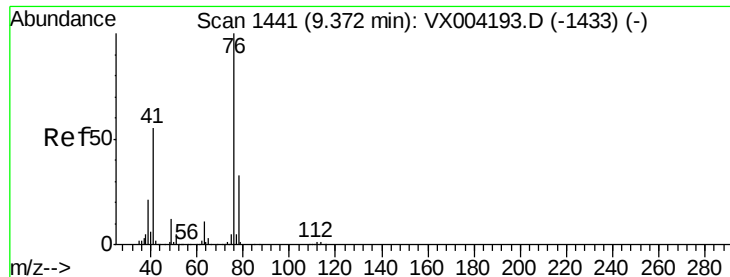
MMDadoda  
 8/23/2018 9:40:28 AM



#56  
 Ethyl methacrylate  
 Concen: 19.63 ug/l  
 RT: 9.18 min Scan# 1410  
 Delta R.T. -0.00 min  
 Lab File: VX004204.D  
 Acq: 22 Aug 2018 17:43

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 69      | 100  |       | 107898 |       |       |
| 41      | 63.3 | 51.0  | 76.4   |       |       |
| 39      | 32.4 | 26.1  | 39.1   |       |       |





#57

1,3-Dichloropropane

Concen: 19.94 ug/l

RT: 9.37 min Scan# 1441

Delta R.T. -0.00 min

Lab File: VX004204.D

Acq: 22 Aug 2018 17:43

Instrument :

MSVOA\_X

ClientSampleId :

VX0822WBSD01

Tot Ion: 76 Resp: 135703

Ion Ratio Lower Upper

76 100

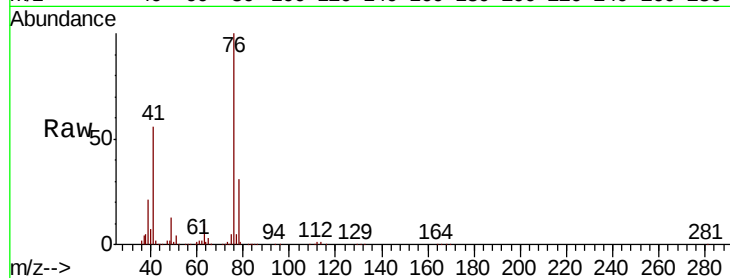
78 32.4 25.5 38.3

Manual Integrations

APPROVED

MMDadoda

8/23/2018 9:40:28 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.37

100000

80000

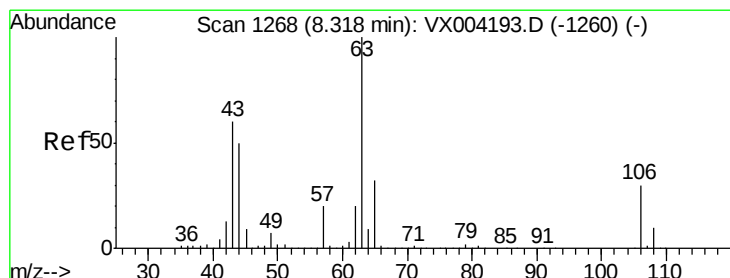
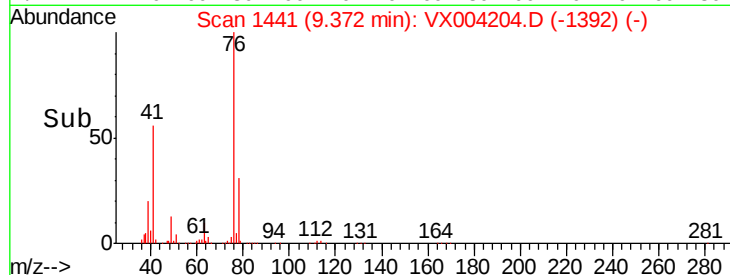
60000

40000

20000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 104.32 ug/l

RT: 8.32 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VX004204.D

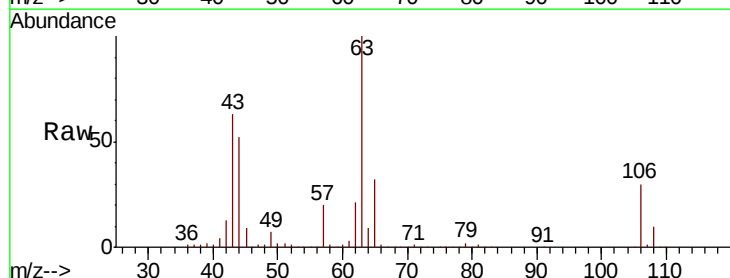
Acq: 22 Aug 2018 17:43

Tgt Ion: 63 Resp: 293735

Ion Ratio Lower Upper

63 100

106 29.9 23.9 35.9



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

8.32

200000

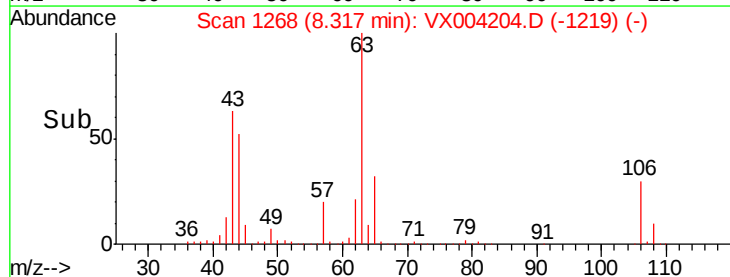
150000

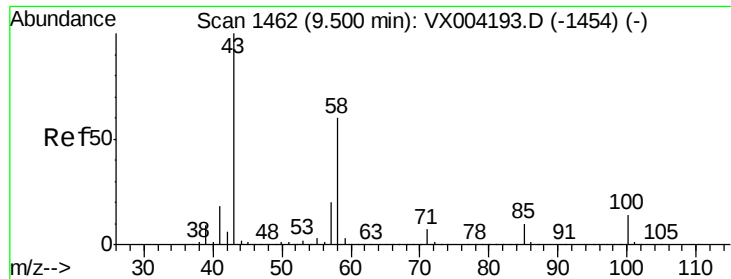
100000

50000

0

Time-->





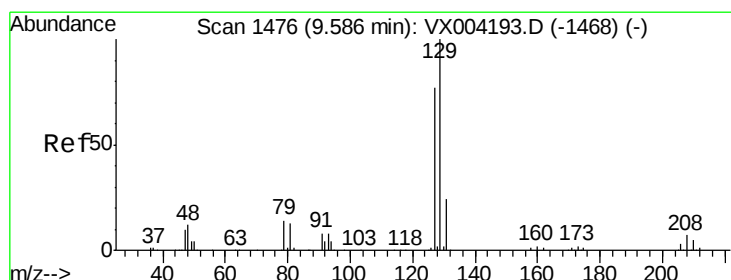
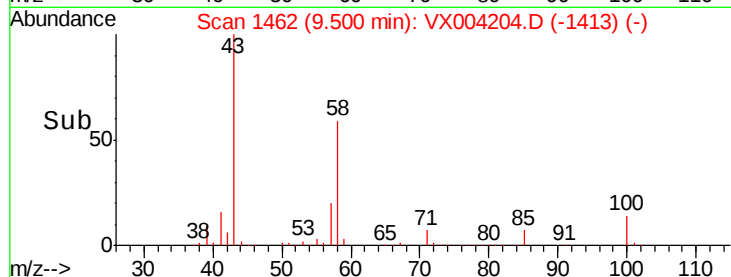
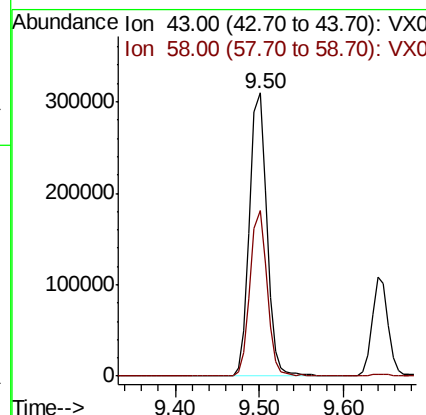
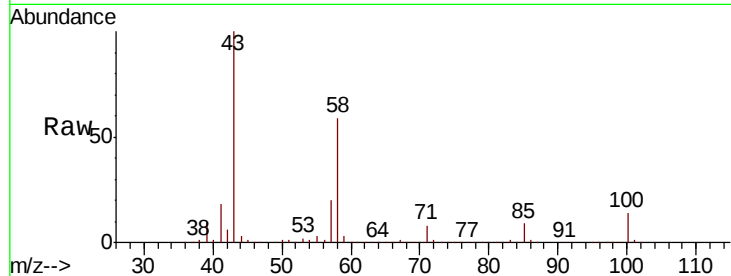
#59  
2-Hexanone  
Concen: 94.73 ug/l  
RT: 9.50 min Scan# 1462  
Delta R.T. -0.00 min  
Lab File: VX004204.D  
Acq: 22 Aug 2018 17:43

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0822WBSD01

Tot Ion: 43 Resp: 424285  
Ion Ratio Lower Upper  
43 100  
58 57.8 29.0 87.0

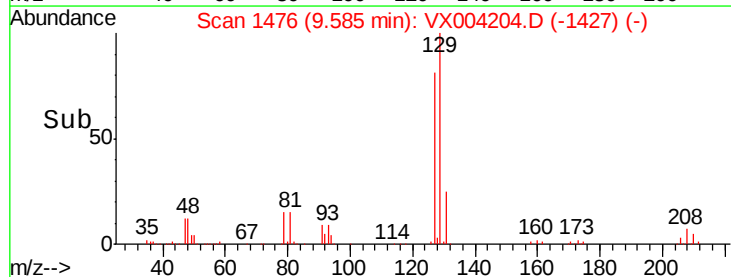
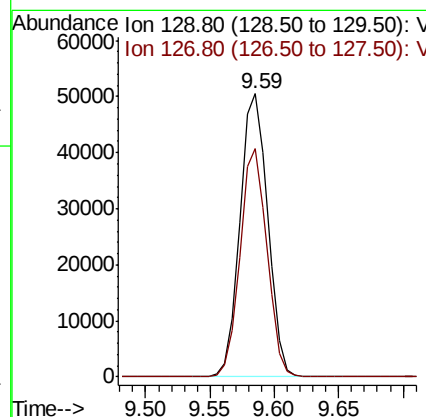
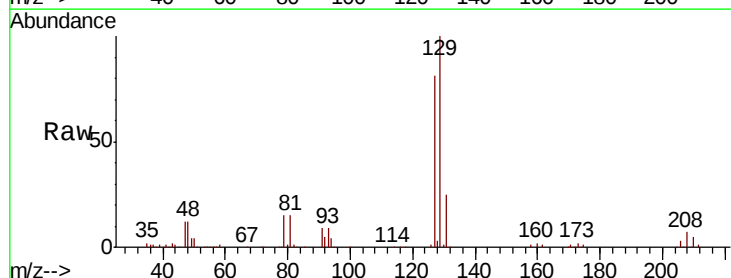
Manual Integrations  
APPROVED

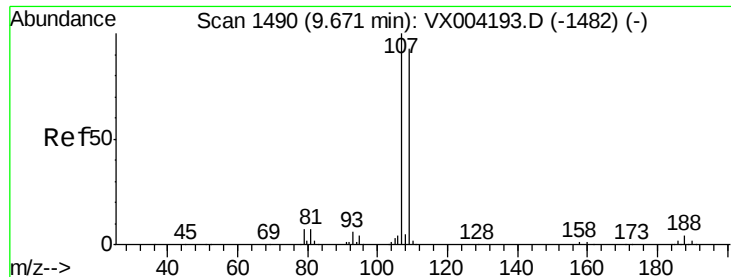
MMDadoda  
8/23/2018 9:40:28 AM



#60  
Dibromochloromethane  
Concen: 19.20 ug/l  
RT: 9.59 min Scan# 1476  
Delta R.T. -0.00 min  
Lab File: VX004204.D  
Acq: 22 Aug 2018 17:43

Tgt Ion: 129 Resp: 75518  
Ion Ratio Lower Upper  
129 100  
127 78.1 38.5 115.5





#61

1,2-Dibromoethane

Concen: 19.95 ug/l

RT: 9.67 min Scan# 1490

Delta R.T. -0.00 min

Lab File: VX004204.D

Acq: 22 Aug 2018 17:43

Instrument :

MSVOA\_X

ClientSampleId :

VX0822WBSD01

Tot Ion:107 Resp: 83350

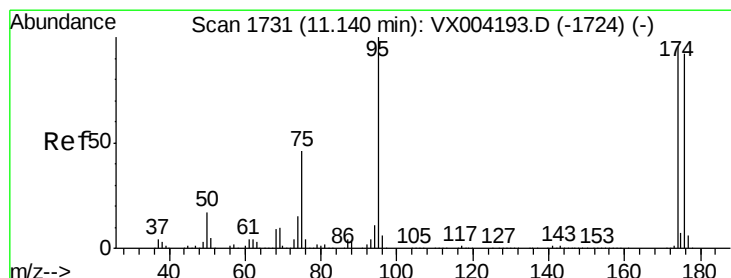
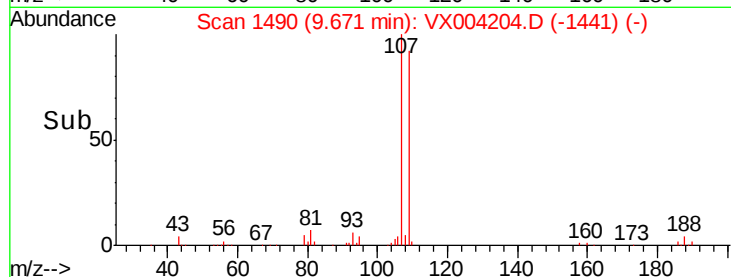
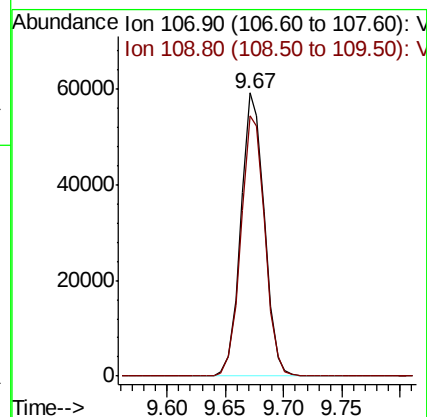
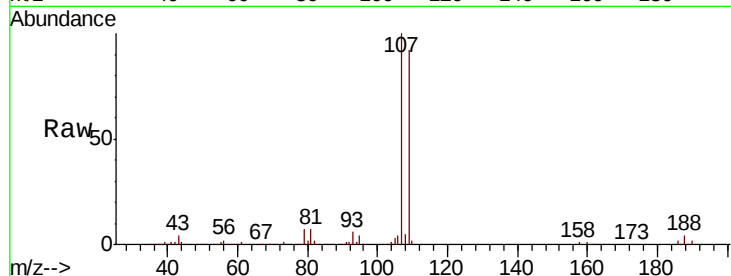
Ion Ratio Lower Upper

107 100

109 93.6 76.0 114.0

Manual Integrations  
APPROVED

MMDadoda  
8/23/2018 9:40:28 AM



#62

4-Bromofluorobenzene

Concen: 47.77 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX004204.D

Acq: 22 Aug 2018 17:43

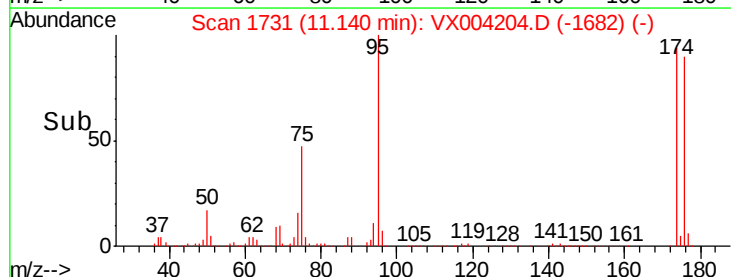
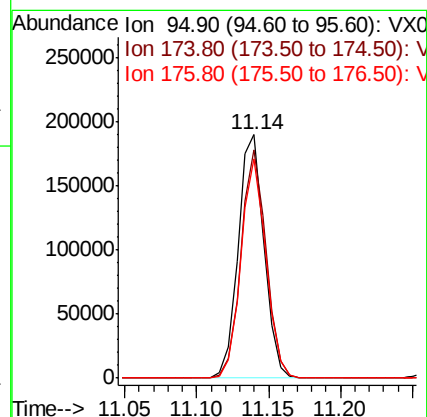
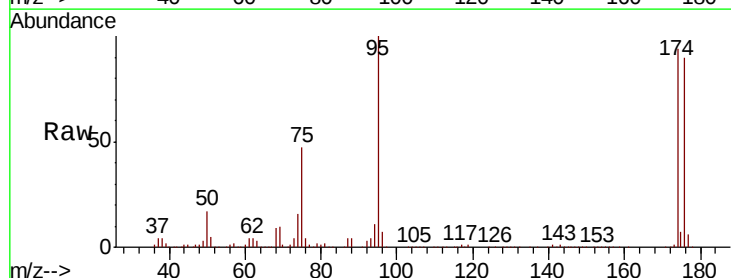
Tgt Ion: 95 Resp: 238017

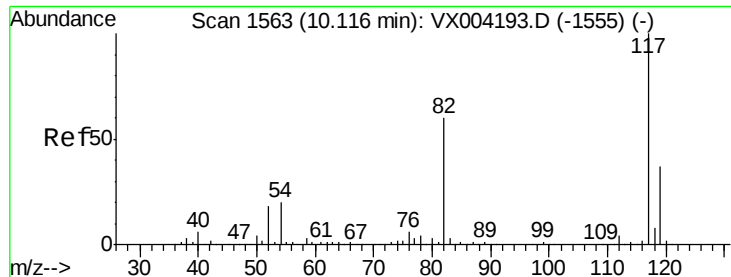
Ion Ratio Lower Upper

95 100

174 91.1 0.0 185.2

176 87.2 0.0 178.6





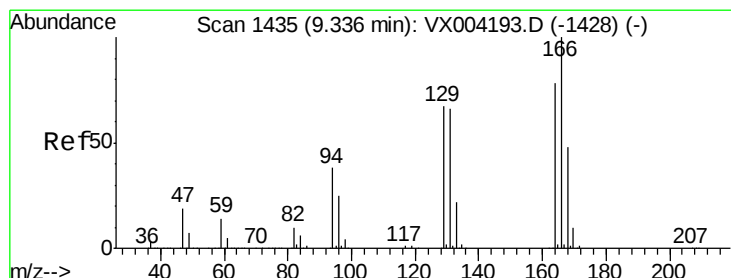
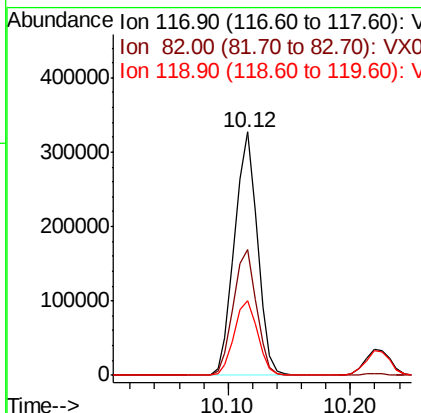
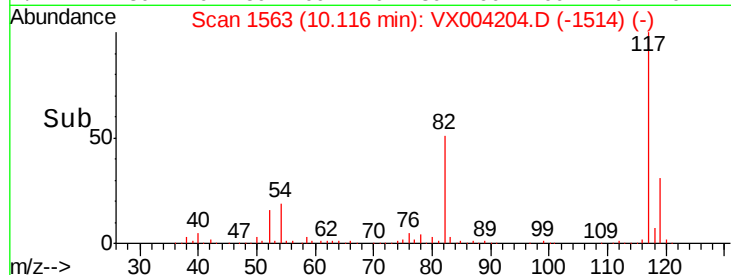
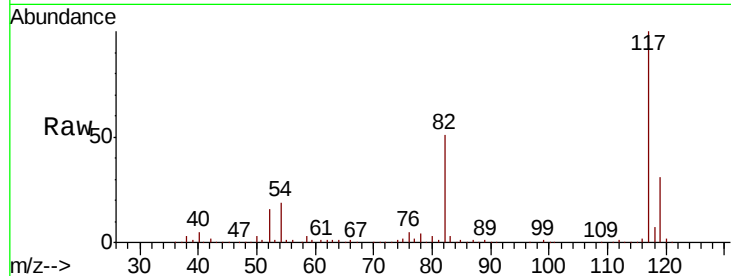
#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 10.12 min Scan# 1563  
Delta R.T. -0.00 min  
Lab File: VX004204.D  
Acq: 22 Aug 2018 17:43

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0822WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 51.5  | 47.8  | 71.6  |
| 119     | 30.9  | 29.3  | 43.9  |

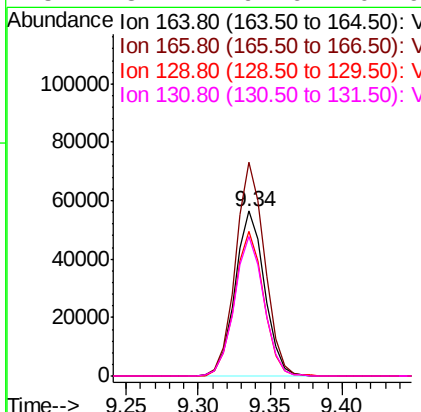
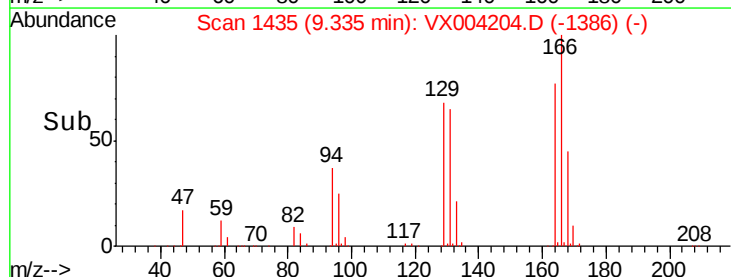
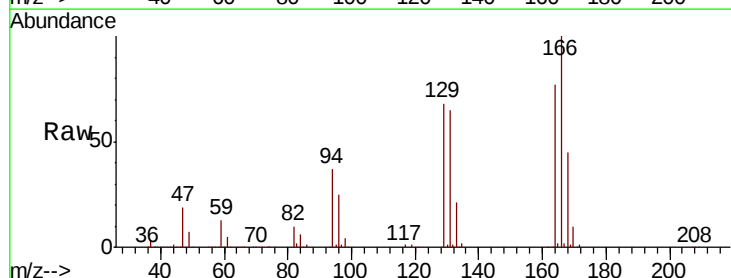
Manual Integrations  
APPROVED

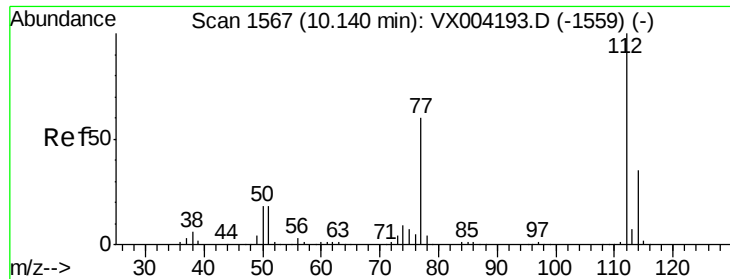
MMDadoda  
8/23/2018 9:40:28 AM



#64  
Tetrachloroethene  
Concen: 19.28 ug/l  
RT: 9.34 min Scan# 1435  
Delta R.T. -0.00 min  
Lab File: VX004204.D  
Acq: 22 Aug 2018 17:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 166     | 129.7 | 102.8 | 154.2 |
| 129     | 88.1  | 69.4  | 104.0 |
| 131     | 84.4  | 67.9  | 101.9 |





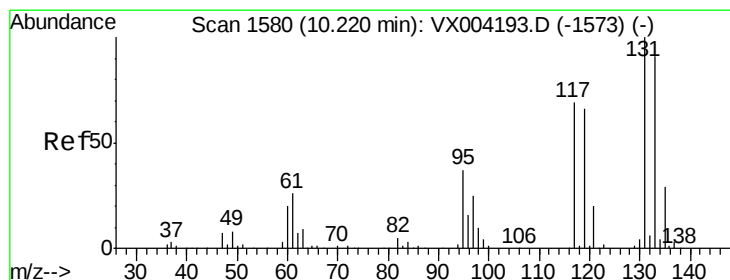
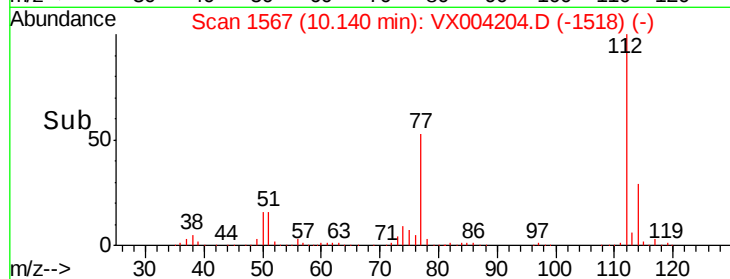
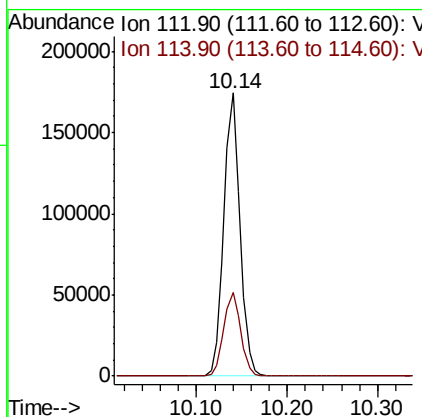
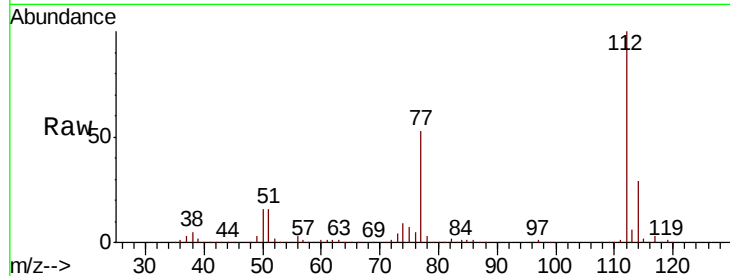
#65  
Chlorobenzene  
Concen: 20.50 ug/l  
RT: 10.14 min Scan# 1567  
Delta R.T. -0.00 min  
Lab File: VX004204.D  
Acq: 22 Aug 2018 17:43

Instrument :  
MSVOA\_X  
ClientSampled :  
VX0822WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 114     | 29.5  | 27.8  | 41.8  |

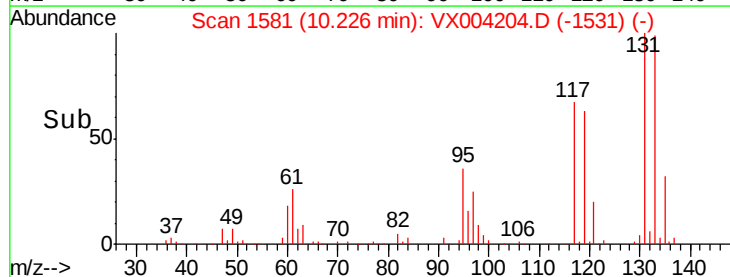
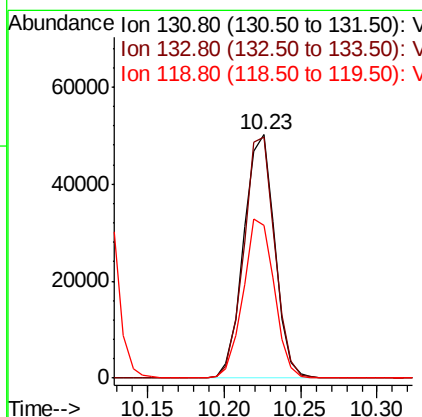
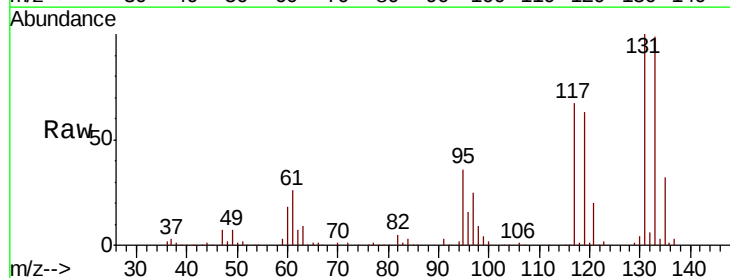
Manual Integrations  
APPROVED

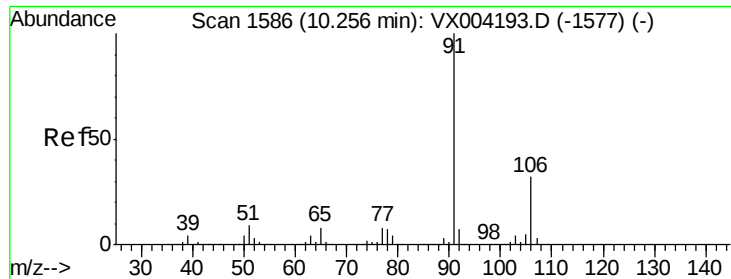
MMDadoda  
8/23/2018 9:40:28 AM



#66  
1,1,1,2-Tetrachloroethane  
Concen: 19.25 ug/l  
RT: 10.23 min Scan# 1581  
Delta R.T. 0.01 min  
Lab File: VX004204.D  
Acq: 22 Aug 2018 17:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 131     | 100   |       |       |
| 133     | 99.1  | 48.1  | 144.4 |
| 119     | 65.9  | 32.9  | 98.6  |





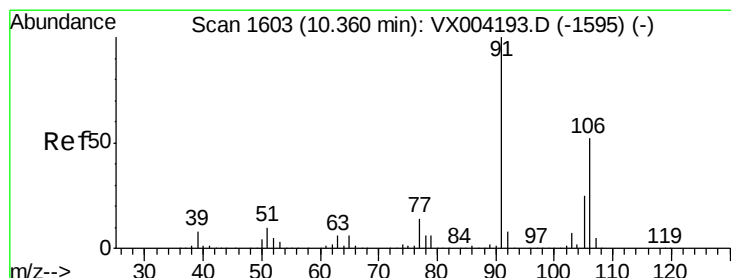
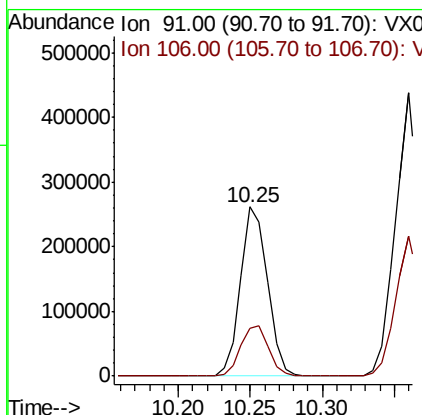
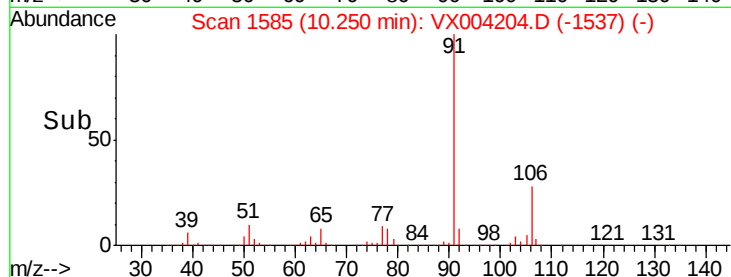
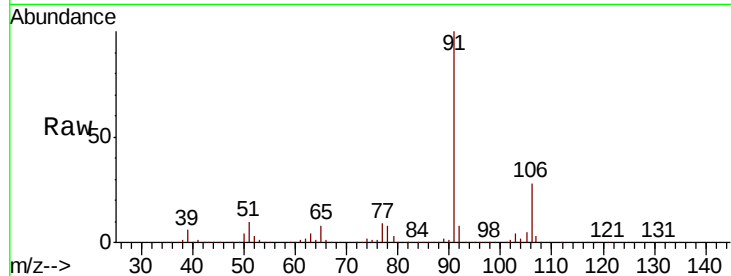
#67  
Ethyl Benzene  
Concen: 19.81 ug/l  
RT: 10.25 min Scan# 1585  
Delta R.T. -0.01 min  
Lab File: VX004204.D  
Acq: 22 Aug 2018 17:43

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0822WBSD01

Tot Ion: 91 Resp: 340691  
Ion Ratio Lower Upper  
91 100  
106 28.3 25.9 38.9

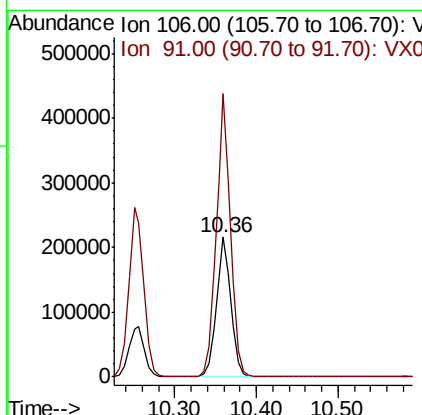
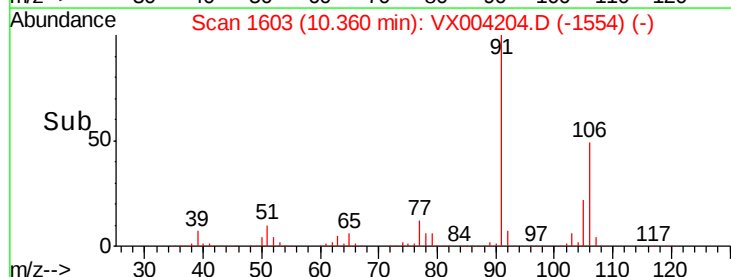
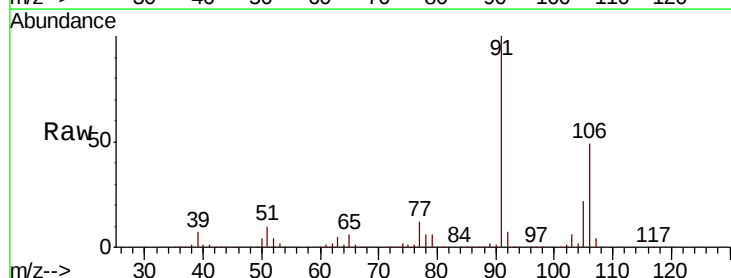
Manual Integrations  
APPROVED

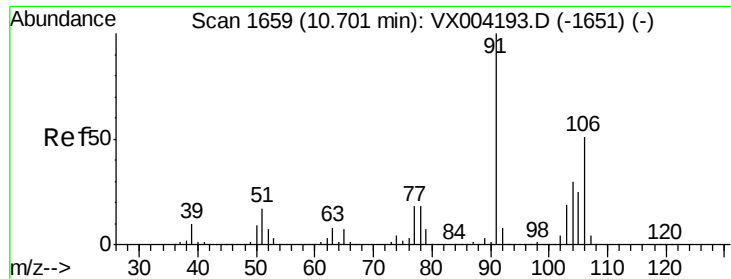
MMDadoda  
8/23/2018 9:40:28 AM



#68  
m/p-Xylenes  
Concen: 40.12 ug/l  
RT: 10.36 min Scan# 1603  
Delta R.T. -0.00 min  
Lab File: VX004204.D  
Acq: 22 Aug 2018 17:43

Tgt Ion: 106 Resp: 269814  
Ion Ratio Lower Upper  
106 100  
91 199.6 157.1 235.7





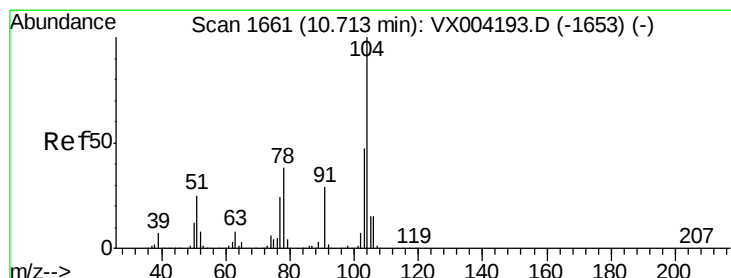
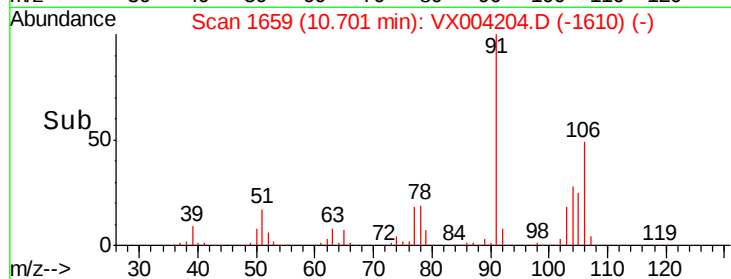
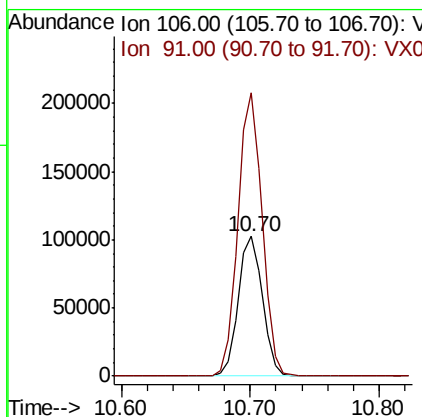
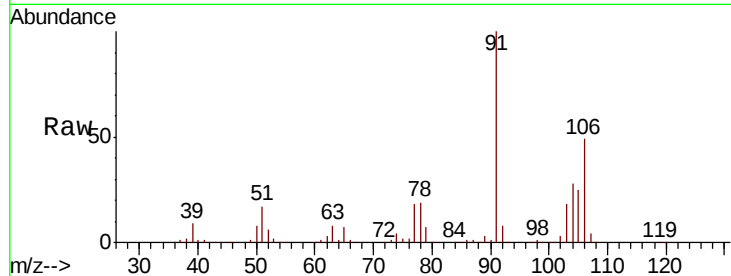
#69  
o-Xylene  
Concen: 20.96 ug/l  
RT: 10.70 min Scan# 1659  
Delta R.T. -0.00 min  
Lab File: VX004204.D  
Acq: 22 Aug 2018 17:43

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0822WBSD01

| Tot Ion | Ion   | Ratio | Resp   | Lower | Upper |
|---------|-------|-------|--------|-------|-------|
| 106     | 100   |       | 133347 |       |       |
| 91      | 202.8 | 105.1 | 315.1  |       |       |

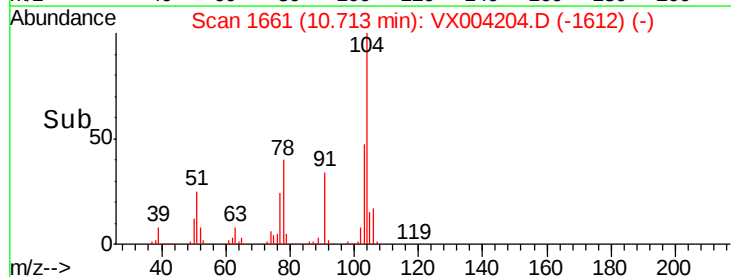
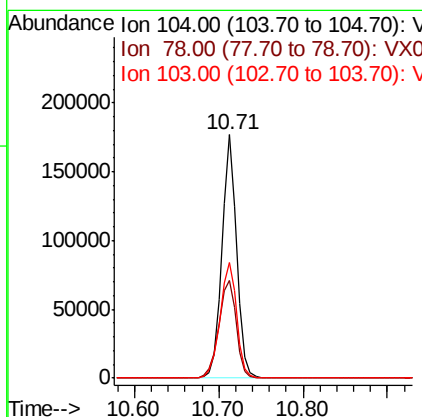
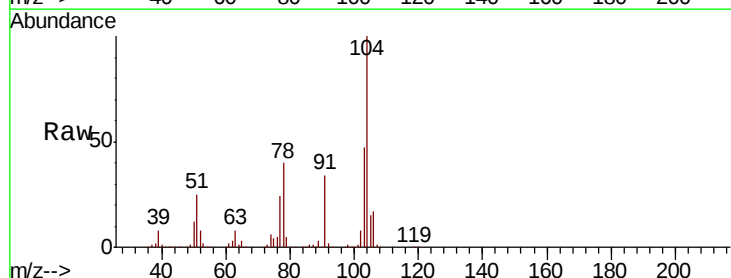
Manual Integrations  
APPROVED

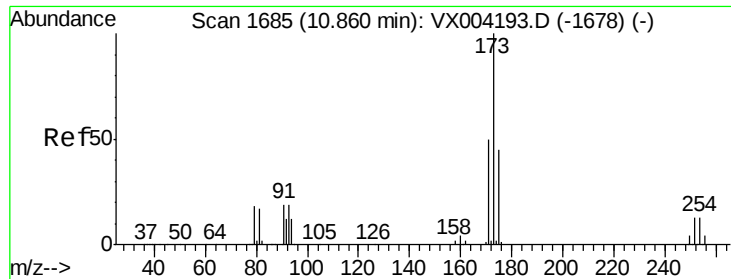
MMDadoda  
8/23/2018 9:40:28 AM



#70  
Styrene  
Concen: 20.82 ug/l  
RT: 10.71 min Scan# 1661  
Delta R.T. -0.00 min  
Lab File: VX004204.D  
Acq: 22 Aug 2018 17:43

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 104     | 100  |       | 214436 |       |       |
| 78      | 47.7 | 37.4  | 56.0   |       |       |
| 103     | 53.8 | 43.8  | 65.6   |       |       |





#71

Bromoform

Concen: 19.29 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. -0.00 min

Lab File: VX004204.D

Acq: 22 Aug 2018 17:43

Instrument :

MSVOA\_X

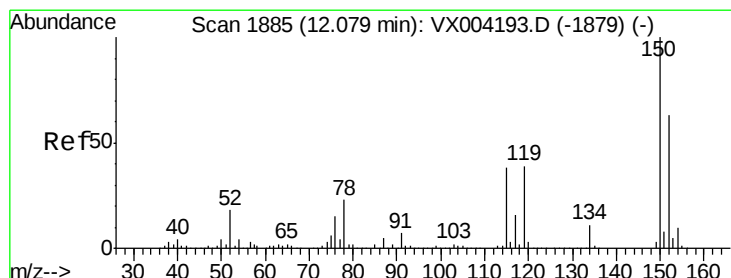
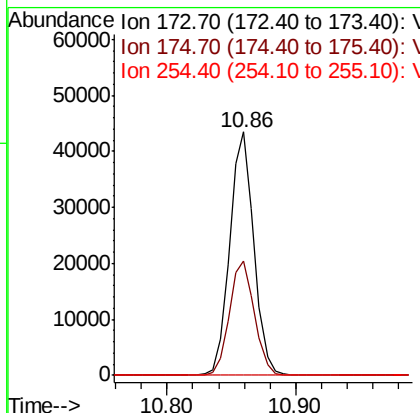
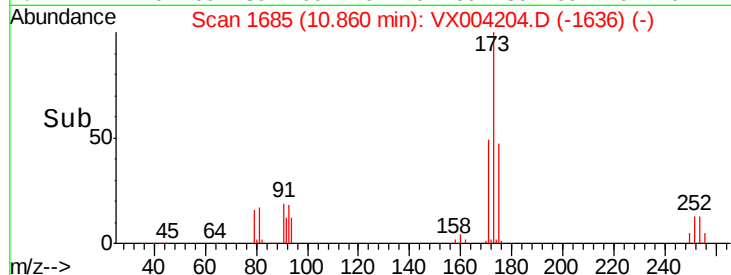
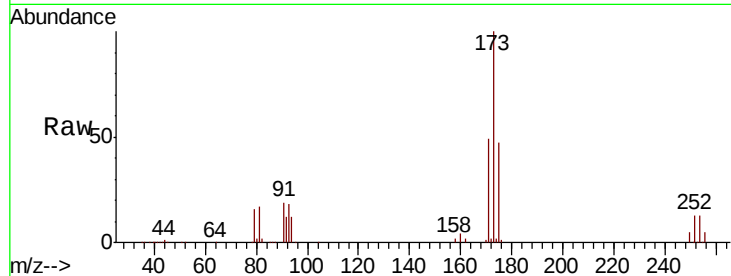
ClientSampleId :

VX0822WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 173     | 100   |       |       |
| 175     | 48.6  | 24.1  | 72.3  |
| 254     | 0.1   | 0.2   | 0.2#  |

Manual Integrations  
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MMDadoda  
8/23/2018 9:40:28 AM



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

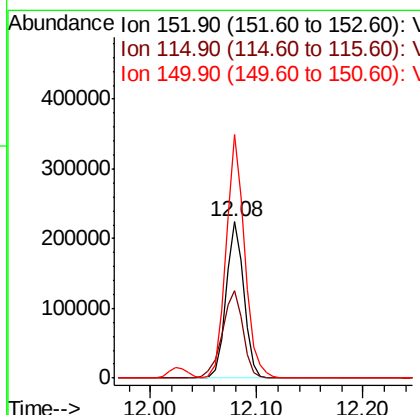
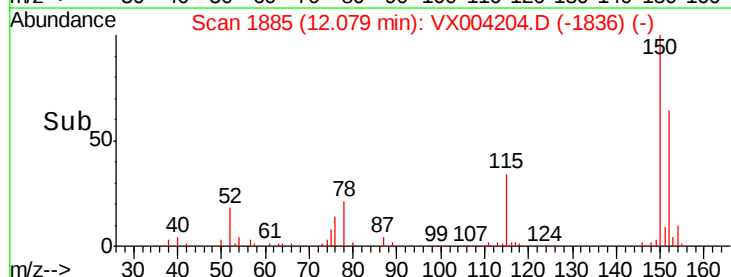
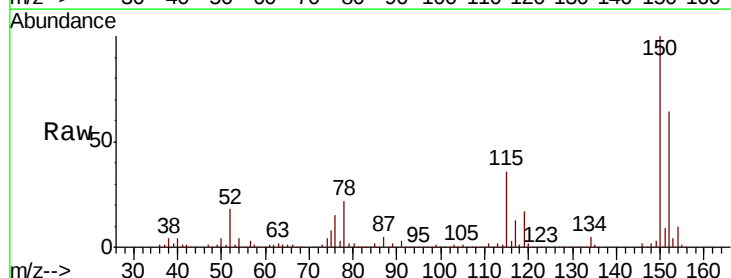
RT: 12.08 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VX004204.D

Acq: 22 Aug 2018 17:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 64.7  | 39.0  | 117.0 |
| 150     | 162.3 | 0.0   | 351.0 |





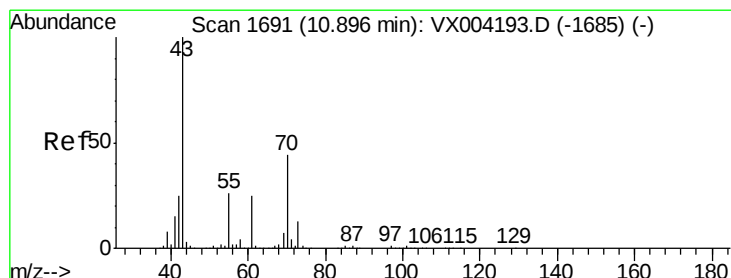
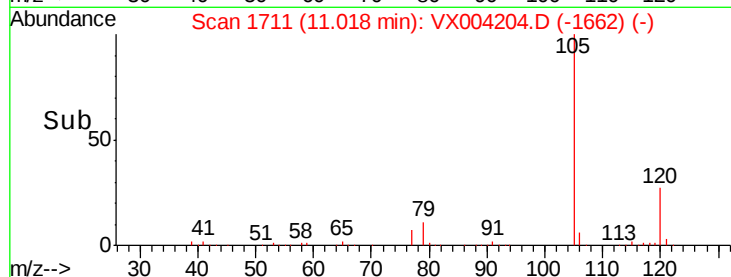
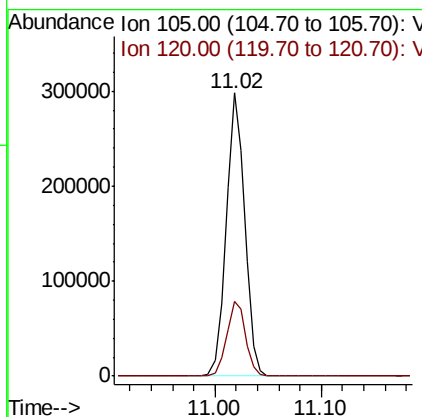
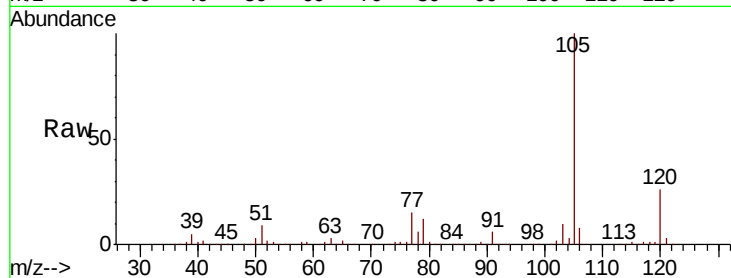
#73  
Isopropylbenzene  
Concen: 21.06 ug/l  
RT: 11.02 min Scan# 1711  
Delta R.T. -0.00 min  
Lab File: VX004204.D  
Acq: 22 Aug 2018 17:43

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0822WBSD01

Tot Ion: 105 Resp: 362027  
Ion Ratio Lower Upper  
105 100  
120 27.0 13.5 40.4

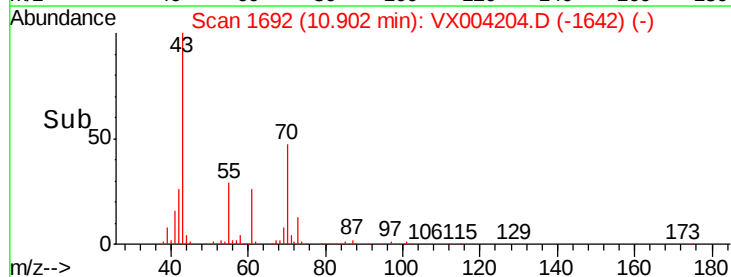
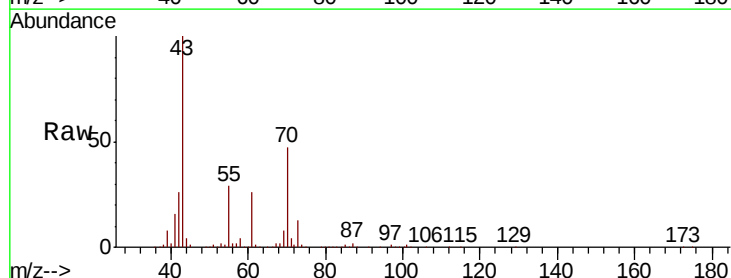
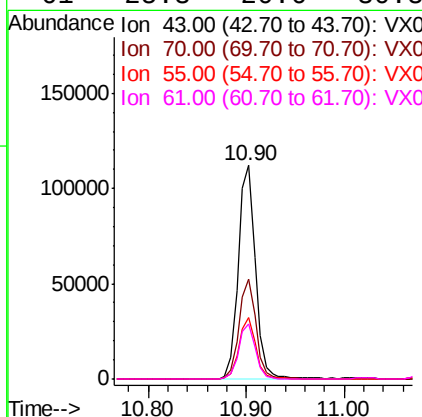
Manual Integrations  
APPROVED

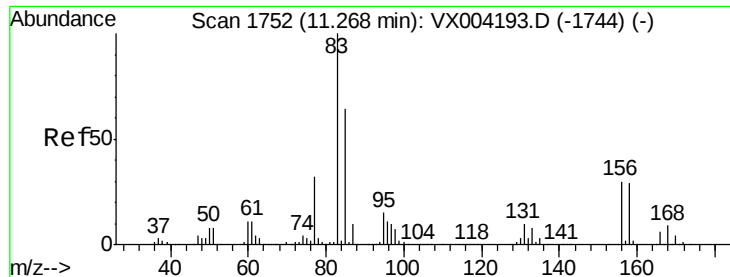
MMDadoda  
8/23/2018 9:40:28 AM



#74  
N-ethyl acetate  
Concen: 20.61 ug/l  
RT: 10.90 min Scan# 1692  
Delta R.T. 0.01 min  
Lab File: VX004204.D  
Acq: 22 Aug 2018 17:43

Tgt Ion: 43 Resp: 136469  
Ion Ratio Lower Upper  
43 100  
70 46.4 37.4 56.0  
55 28.4 21.8 32.8  
61 25.3 20.6 30.8





#75

1,1,2,2-Tetrachloroethane

Concen: 20.45 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. -0.00 min

Lab File: VX004204.D

Acq: 22 Aug 2018 17:43

Instrument :

MSVOA\_X

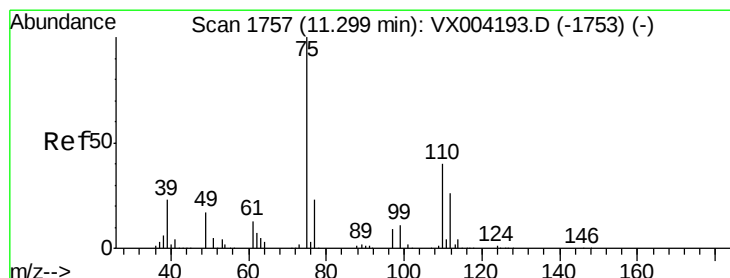
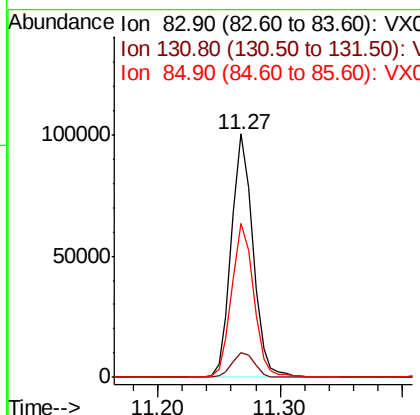
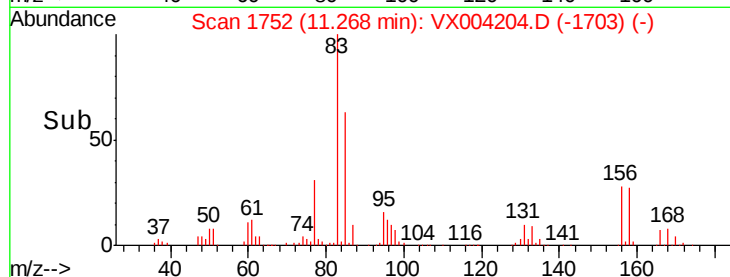
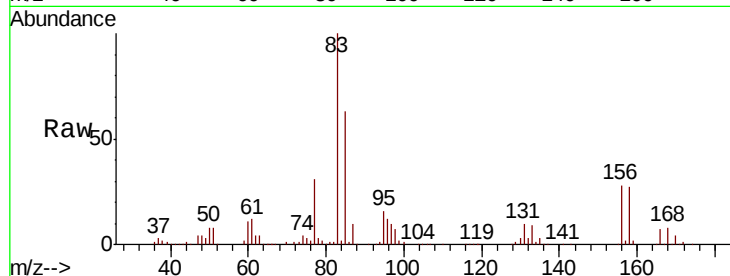
ClientSampleId :

VX0822WBSD01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 83    | Resp: | 123025 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 131       | 10.7  | 5.2   | 15.6   |
| 85        | 64.2  | 32.3  | 96.8   |

Manual Integrations  
APPROVED

MMDadoda  
8/23/2018 9:40:28 AM



#76

1,2,3-Trichloropropane

Concen: 20.77 ug/l m

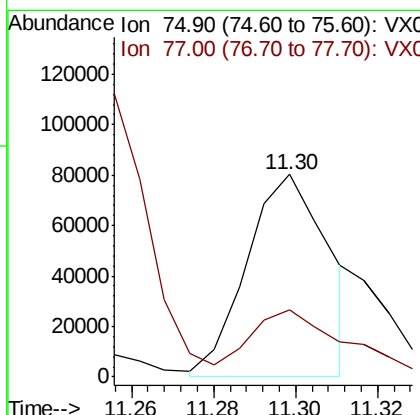
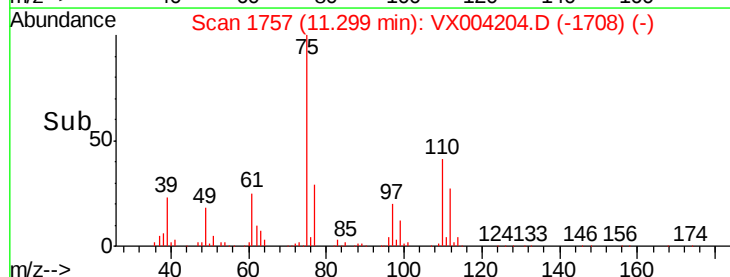
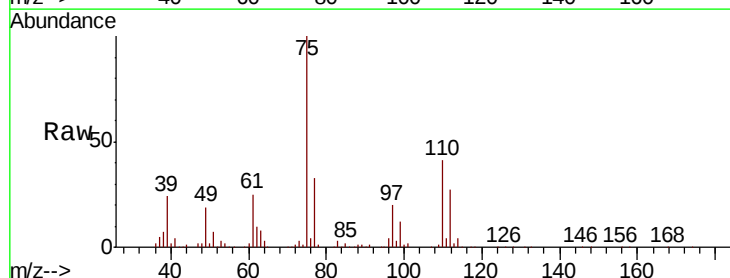
RT: 11.30 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VX004204.D

Acq: 22 Aug 2018 17:43

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 75    | Resp: | 110606 |
| Ion Ratio | Lower | Upper |        |
| 75        | 100   |       |        |
| 77        | 39.1  | 20.2  | 60.6   |





#77

Bromobenzene

Concen: 19.90 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. -0.00 min

Lab File: VX004204.D

Acq: 22 Aug 2018 17:43

Instrument :

MSVOA\_X

ClientSampleId :

VX0822WBSD01

Tot Ion:156 Resp: 95970

Ion Ratio Lower Upper

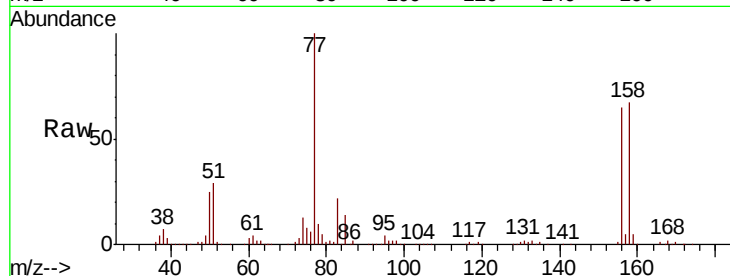
156 100

77 149.6 71.5 214.3

158 98.9 48.9 146.8

Manual Integrations  
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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

150000

100000

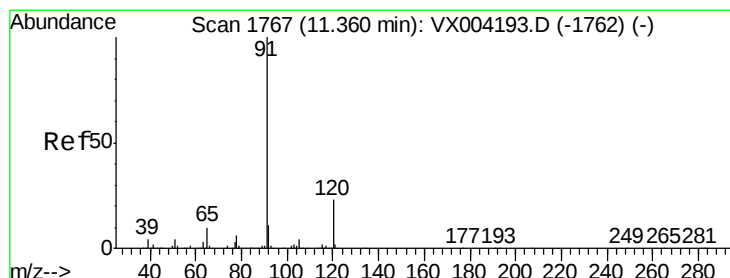
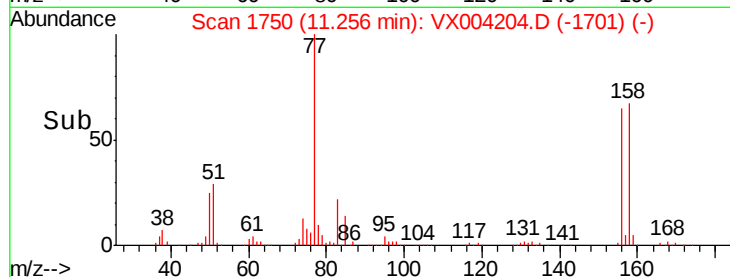
50000

0

11.26

11.30

Time-->



#78

n-propylbenzene

Concen: 21.39 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. -0.00 min

Lab File: VX004204.D

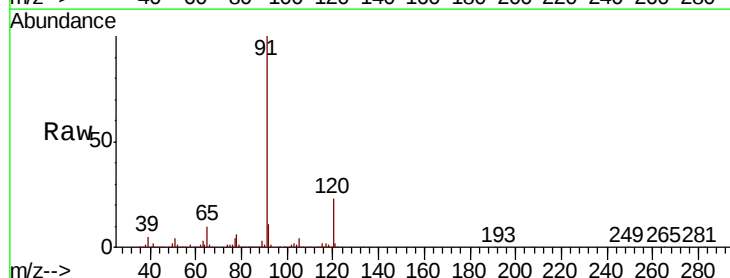
Acq: 22 Aug 2018 17:43

Tgt Ion: 91 Resp: 422927

Ion Ratio Lower Upper

91 100

120 23.4 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

400000

300000

200000

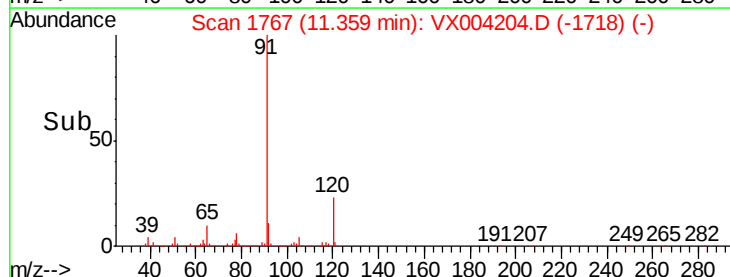
100000

0

11.36

11.40

Time-->





#79

2-Chlorotoluene

Concen: 20.98 ug/l

RT: 11.42 min Scan# 1777

Delta R.T. -0.00 min

Lab File: VX004204.D

Acq: 22 Aug 2018 17:43

Instrument :

MSVOA\_X

ClientSampleId :

VX0822WBSD01

Tot Ion: 91 Resp: 255379

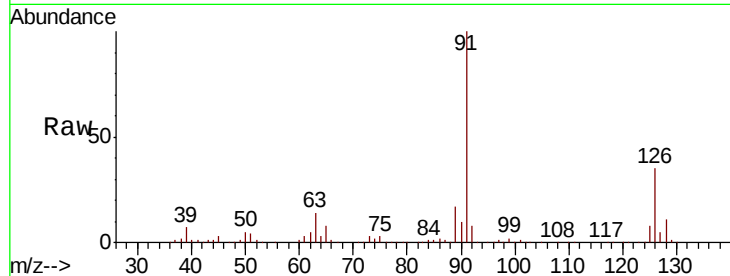
Ion Ratio Lower Upper

91 100

126 34.4 17.9 53.7

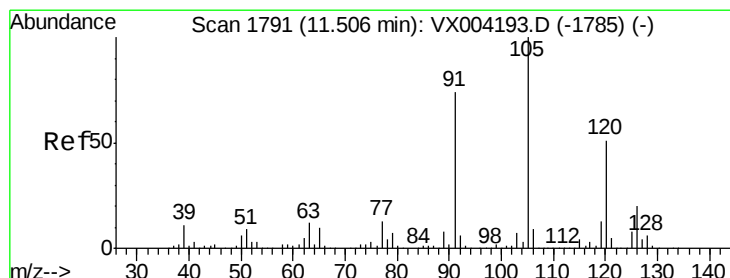
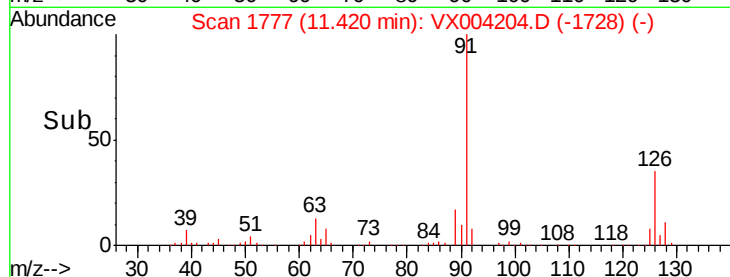
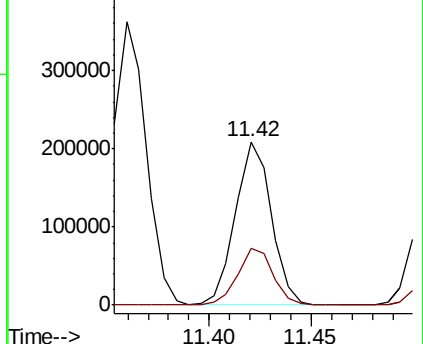
Manual Integrations  
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8/23/2018 9:40:28 AM



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 21.68 ug/l

RT: 11.51 min Scan# 1791

Delta R.T. -0.00 min

Lab File: VX004204.D

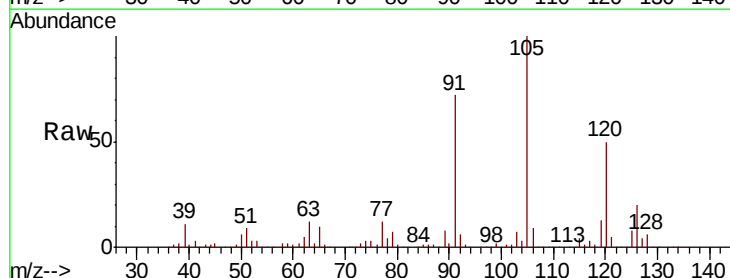
Acq: 22 Aug 2018 17:43

Tgt Ion:105 Resp: 308726

Ion Ratio Lower Upper

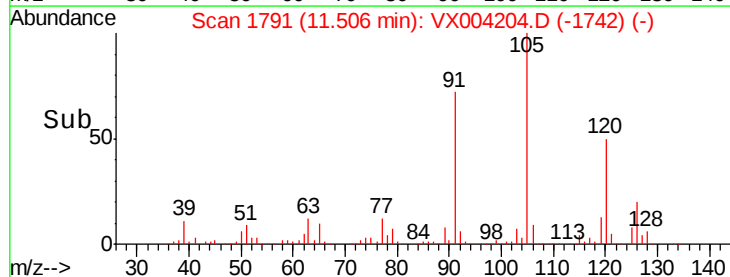
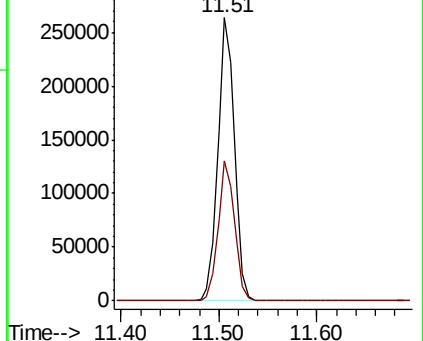
105 100

120 49.1 25.6 76.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





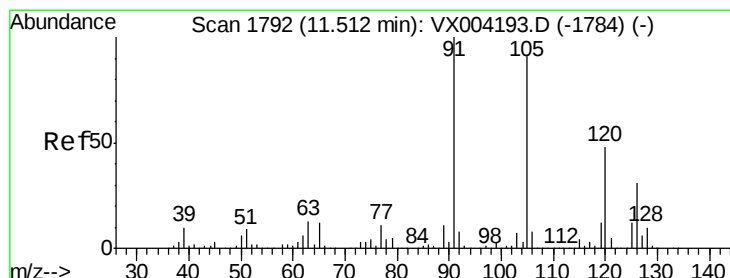
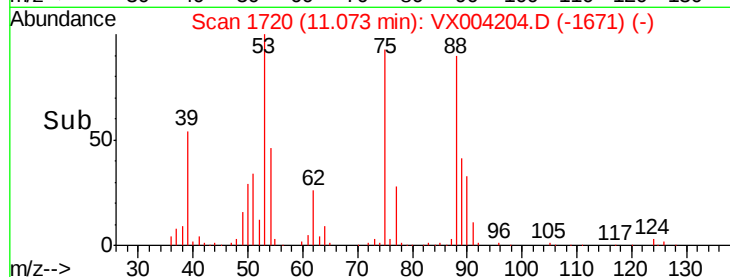
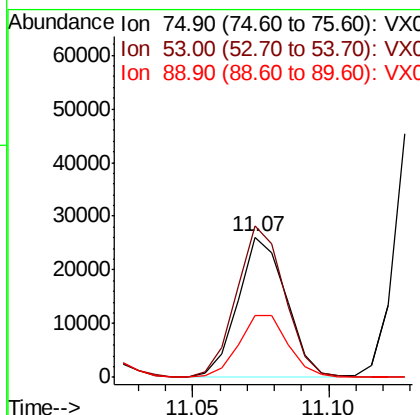
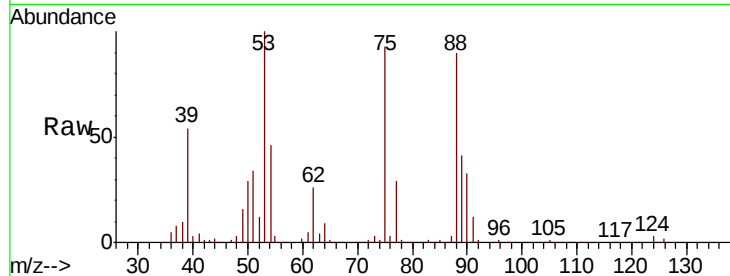
#81  
trans-1,4-Dichloro-2-butene  
Concen: 19.54 ug/l  
RT: 11.07 min Scan# 1720  
Delta R.T. -0.00 min  
Lab File: VX004204.D  
Acq: 22 Aug 2018 17:43

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0822WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 53      | 107.4 | 80.1  | 120.1 |
| 89      | 45.7  | 37.2  | 55.8  |

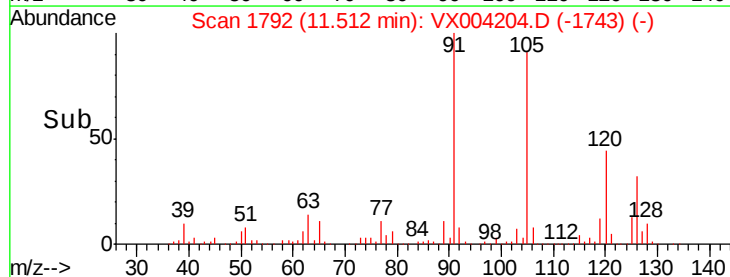
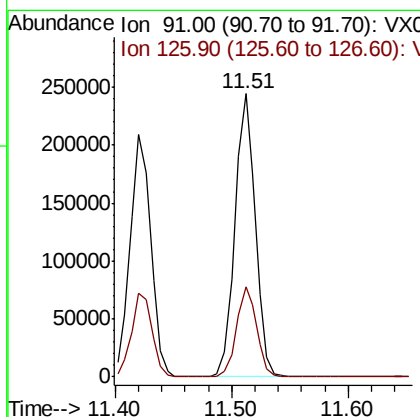
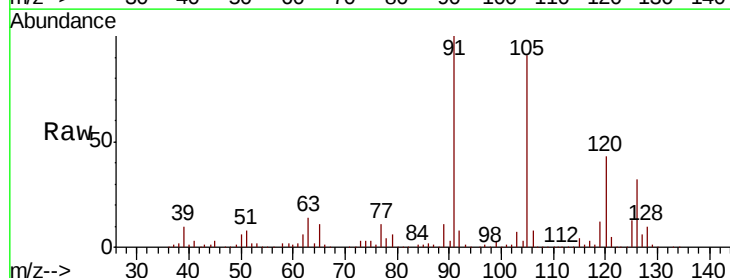
Manual Integrations  
APPROVED

MMDadoda  
8/23/2018 9:40:28 AM



#82  
4-Chlorotoluene  
Concen: 20.77 ug/l  
RT: 11.51 min Scan# 1792  
Delta R.T. -0.00 min  
Lab File: VX004204.D  
Acq: 22 Aug 2018 17:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 126     | 31.4  | 15.5  | 46.5  |





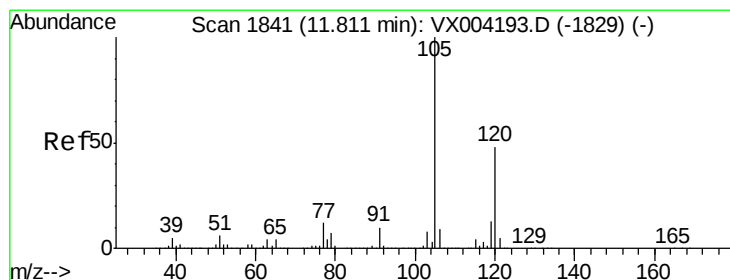
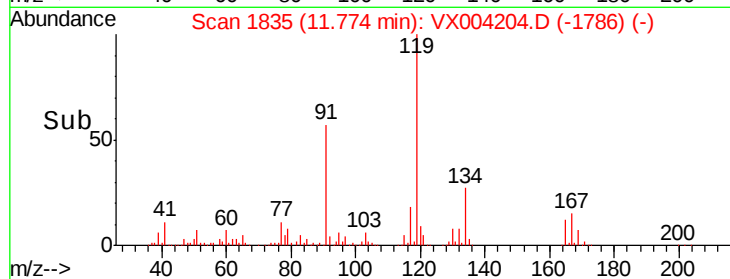
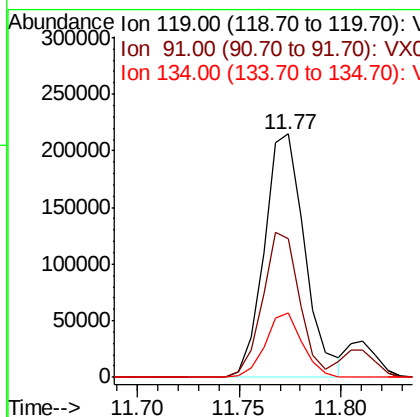
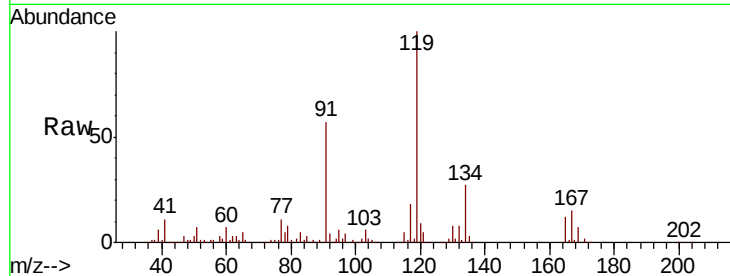
#83  
 tert-Butylbenzene  
 Concen: 20.77 ug/l  
 RT: 11.77 min Scan# 1835  
 Delta R.T. -0.00 min  
 Lab File: VX004204.D  
 Acq: 22 Aug 2018 17:43

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0822WBSD01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 119     | 100   | 297583 |       |       |
| 91      | 54.6  |        | 27.0  | 81.0  |
| 134     | 24.3  |        | 11.7  | 35.1  |

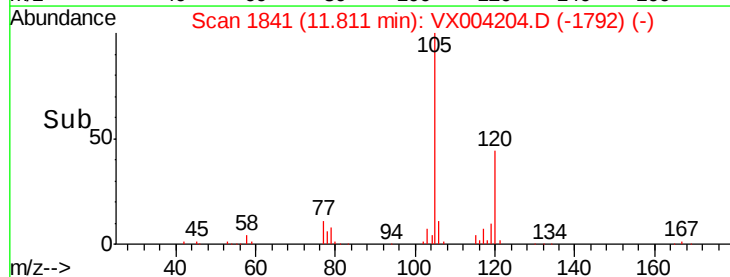
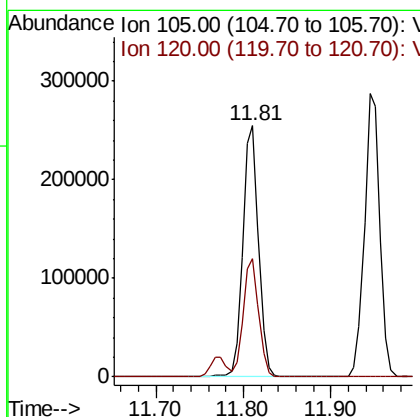
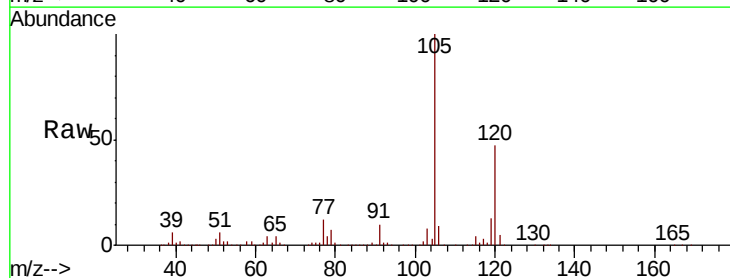
Manual Integrations  
 APPROVED

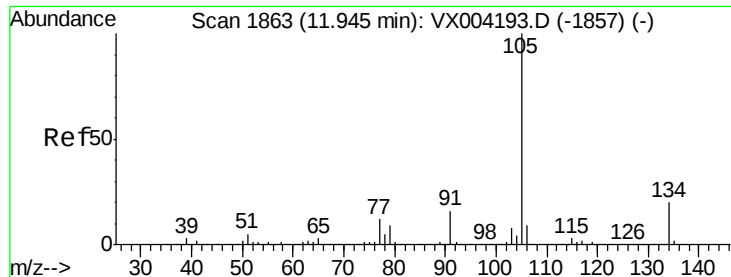
MMDadoda  
 8/23/2018 9:40:28 AM



#84  
 1,2,4-Trimethylbenzene  
 Concen: 21.82 ug/l  
 RT: 11.81 min Scan# 1841  
 Delta R.T. -0.00 min  
 Lab File: VX004204.D  
 Acq: 22 Aug 2018 17:43

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 105     | 100   | 318958 |       |       |
| 120     | 45.9  |        | 23.2  | 69.6  |





#85

sec-Butylbenzene

Concen: 20.76 ug/l

RT: 11.94 min Scan# 1863

Delta R.T. -0.00 min

Lab File: VX004204.D

Acq: 22 Aug 2018 17:43

Instrument :

MSVOA\_X

ClientSampleId :

VX0822WBSD01

Tot Ion:105 Resp: 353084

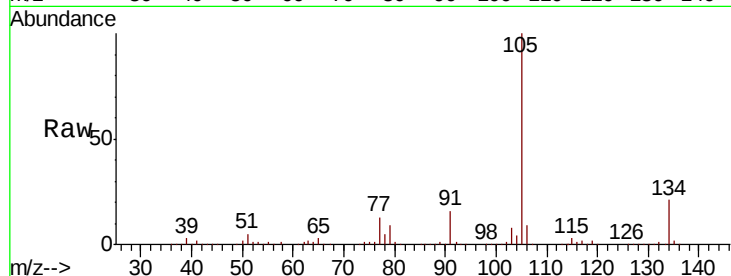
Ion Ratio Lower Upper

105 100

134 21.2 10.5 31.5

Manual Integrations  
APPROVED

MMDadoda  
8/23/2018 9:40:28 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.94

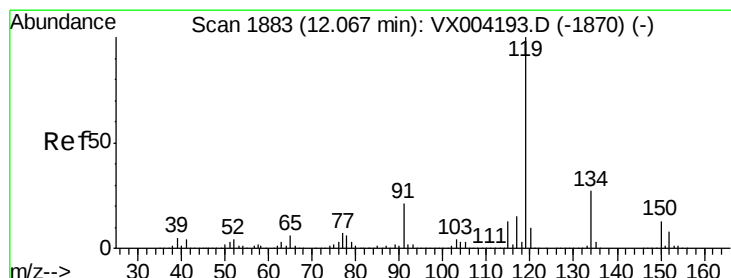
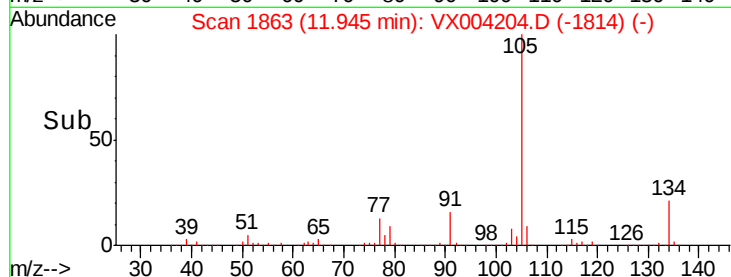
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 21.23 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VX004204.D

Acq: 22 Aug 2018 17:43

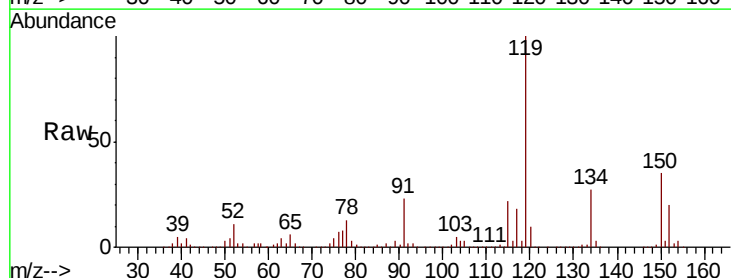
Tgt Ion:119 Resp: 323608

Ion Ratio Lower Upper

119 100

134 26.2 13.4 40.2

91 22.3 10.9 32.7



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

12.07

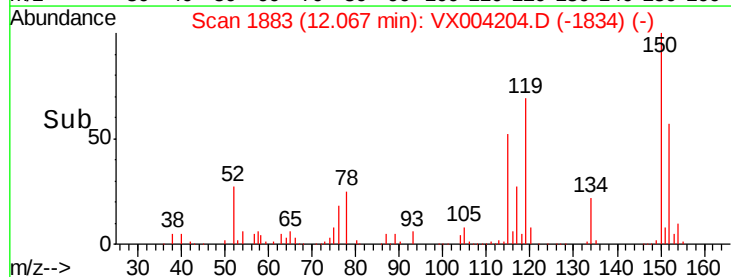
300000

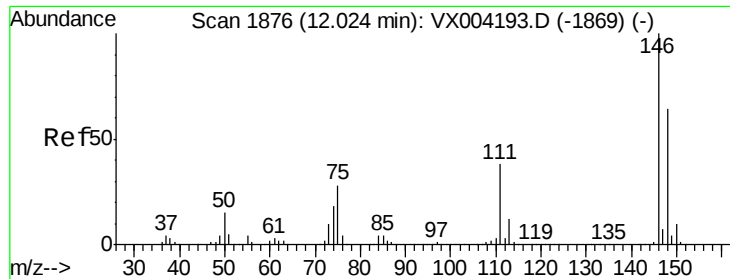
200000

100000

0

Time-->





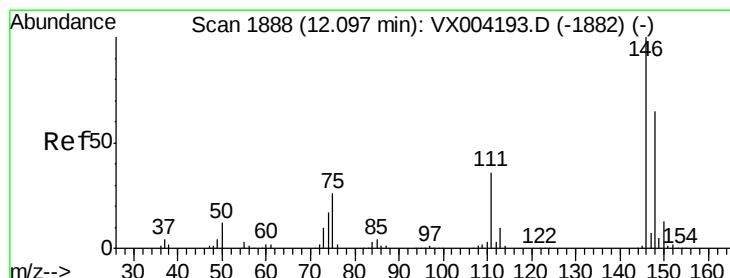
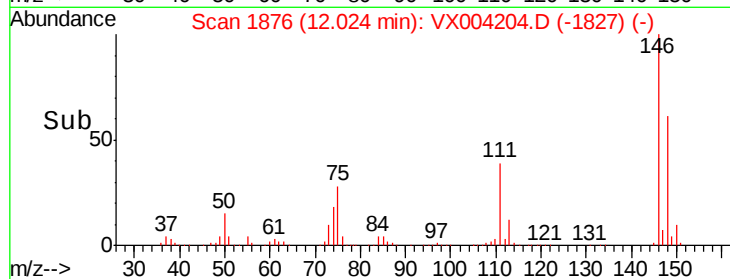
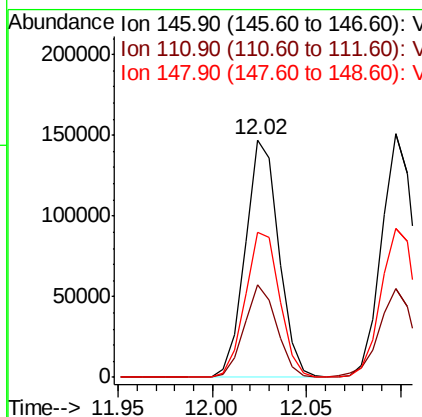
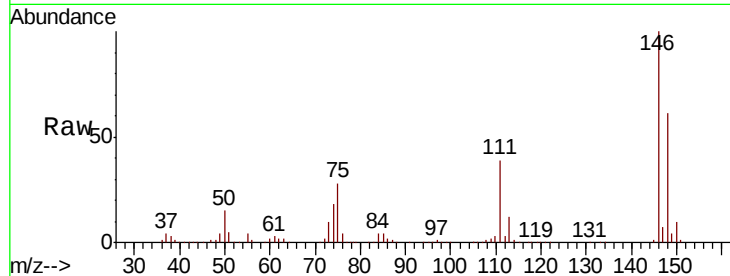
#87  
 1,3-Dichlorobenzene  
 Concen: 20.01 ug/l  
 RT: 12.02 min Scan# 1876  
 Delta R.T. -0.00 min  
 Lab File: VX004204.D  
 Acq: 22 Aug 2018 17:43

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0822WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 37.6  | 18.7  | 56.1  |
| 148     | 62.9  | 32.1  | 96.5  |

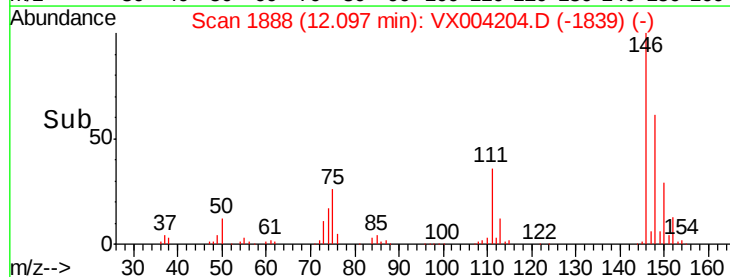
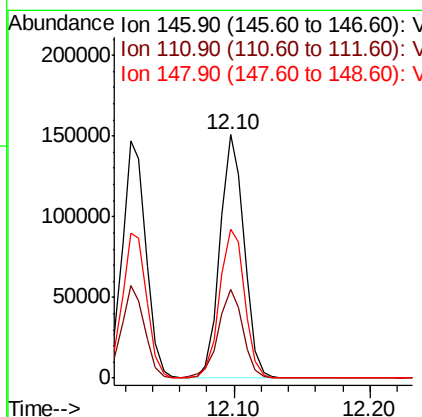
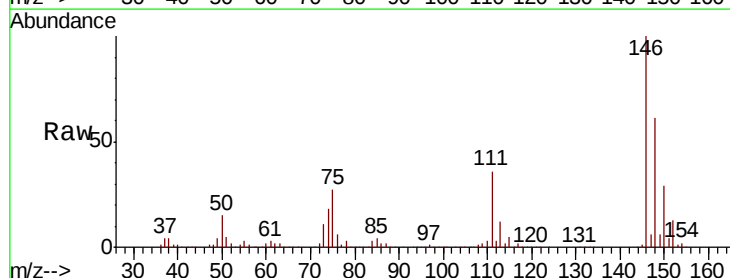
Manual Integrations  
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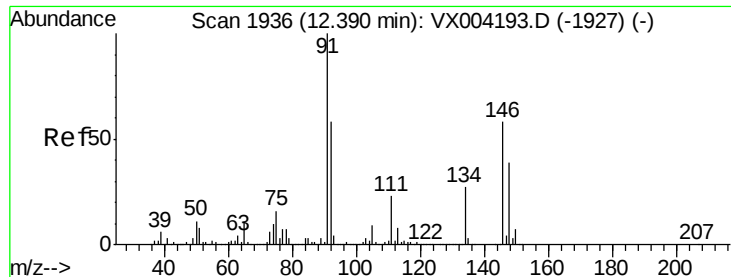
MMDadoda  
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#88  
 1,4-Dichlorobenzene  
 Concen: 19.36 ug/l  
 RT: 12.10 min Scan# 1888  
 Delta R.T. -0.00 min  
 Lab File: VX004204.D  
 Acq: 22 Aug 2018 17:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 37.1  | 18.1  | 54.1  |
| 148     | 63.6  | 32.0  | 96.0  |





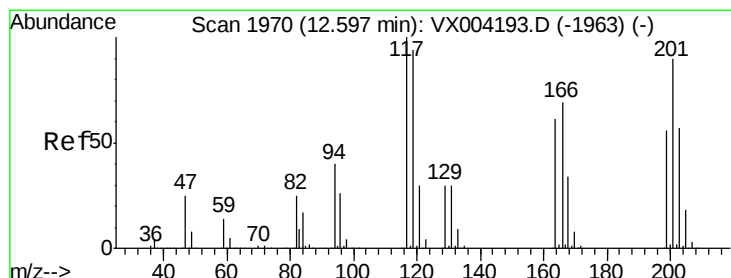
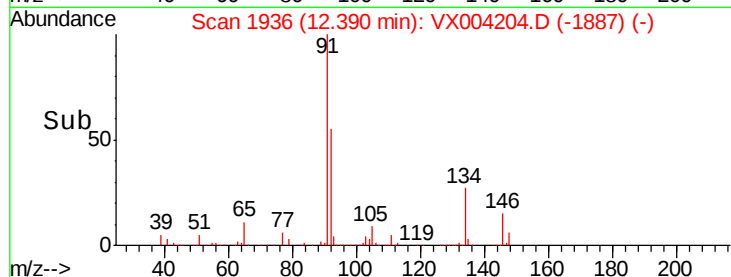
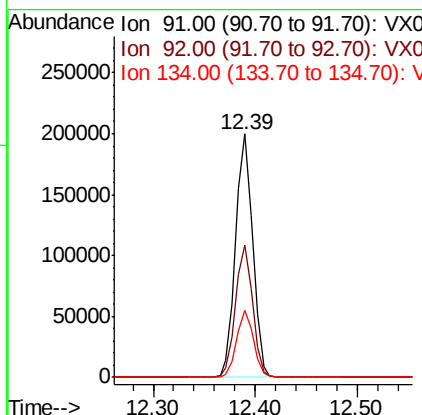
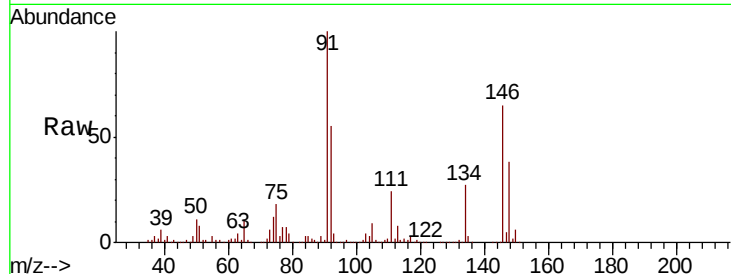
#89  
n-Butylbenzene  
Concen: 18.59 ug/l  
RT: 12.39 min Scan# 1936  
Delta R.T. -0.00 min  
Lab File: VX004204.D  
Acq: 22 Aug 2018 17:43

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0822WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 53.8  | 27.3  | 81.9  |
| 134     | 26.6  | 13.6  | 40.7  |

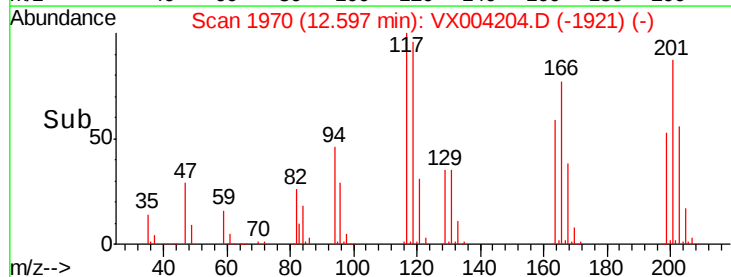
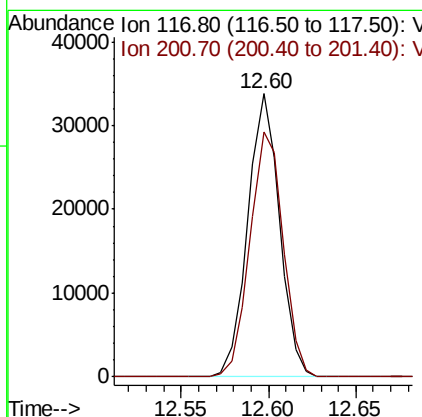
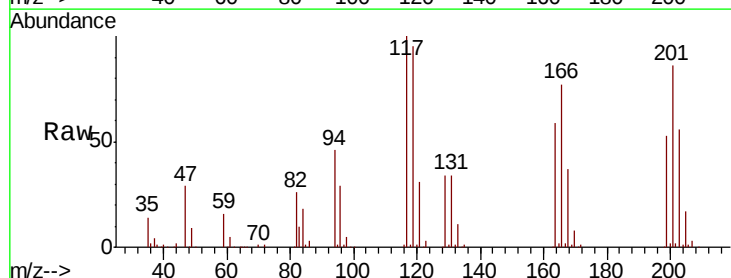
Manual Integrations  
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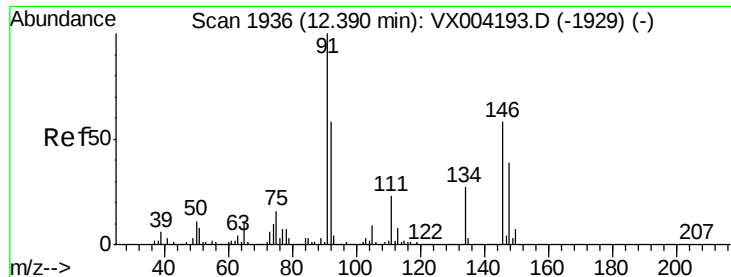
MMDadoda  
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#90  
Hexachloroethane  
Concen: 20.06 ug/l  
RT: 12.60 min Scan# 1970  
Delta R.T. -0.00 min  
Lab File: VX004204.D  
Acq: 22 Aug 2018 17:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 90.3  | 46.9  | 140.6 |





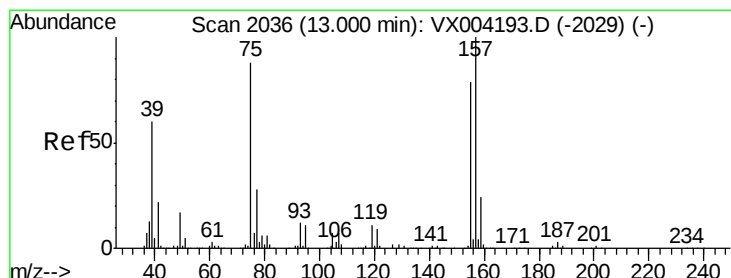
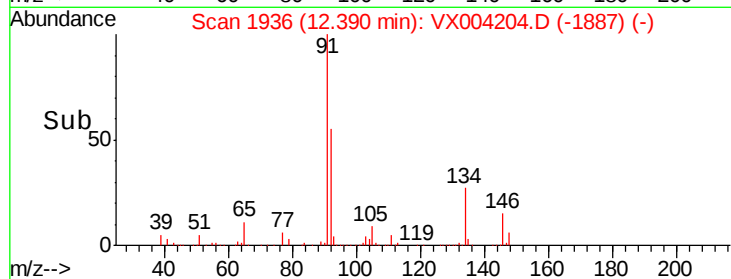
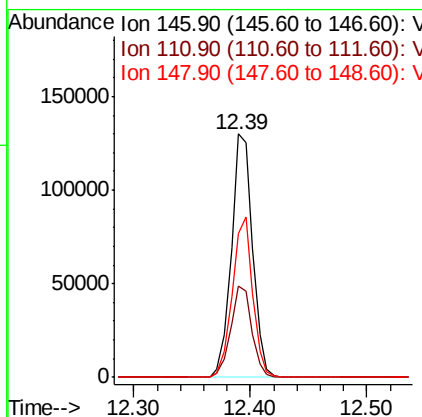
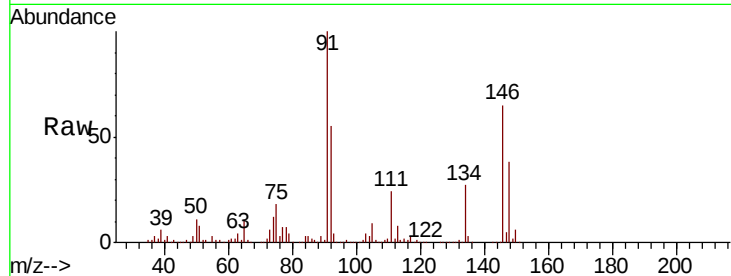
#91  
 1,2-Dichlorobenzene  
 Concen: 19.81 ug/l  
 RT: 12.39 min Scan# 1936  
 Delta R.T. -0.00 min  
 Lab File: VX004204.D  
 Acq: 22 Aug 2018 17:43

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0822WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 37.3  | 19.4  | 58.1  |
| 148     | 63.4  | 32.8  | 98.3  |

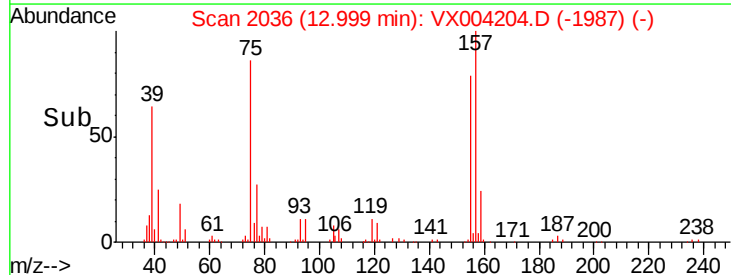
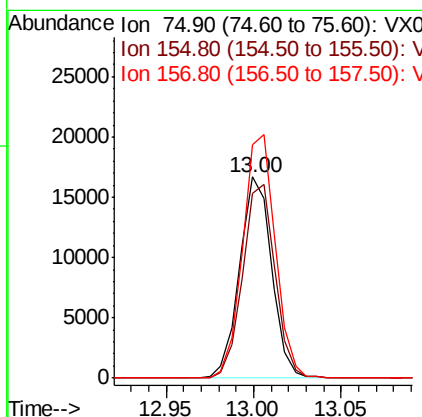
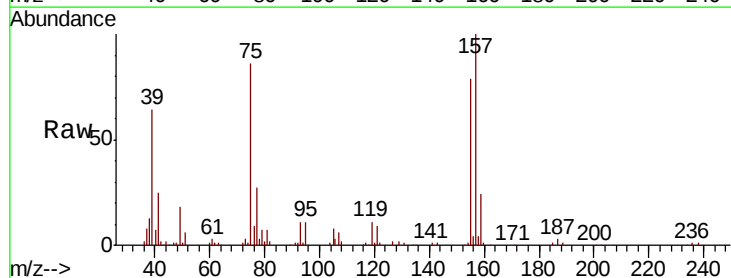
Manual Integrations  
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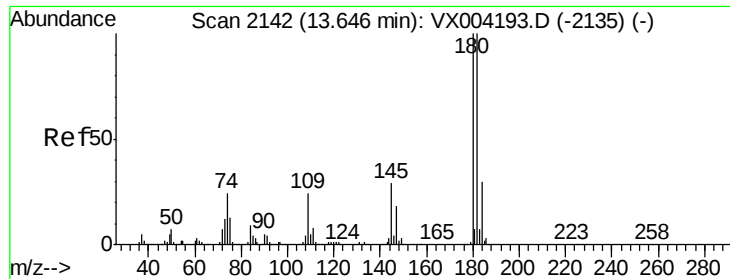
MMDadoda  
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#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 20.06 ug/l  
 RT: 13.00 min Scan# 2036  
 Delta R.T. -0.00 min  
 Lab File: VX004204.D  
 Acq: 22 Aug 2018 17:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 97.0  | 48.0  | 144.2 |
| 157     | 122.8 | 61.4  | 184.1 |





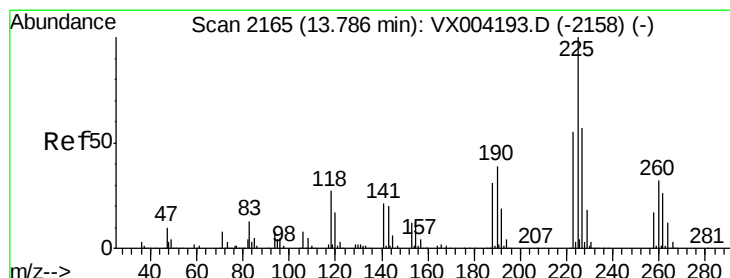
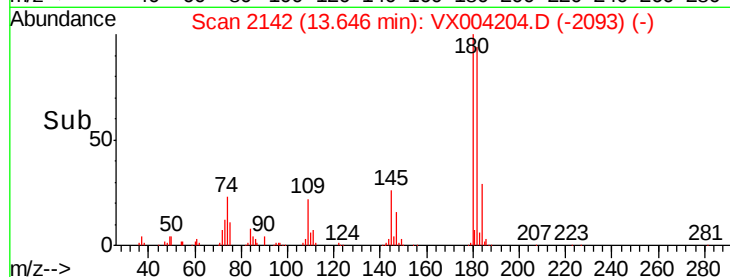
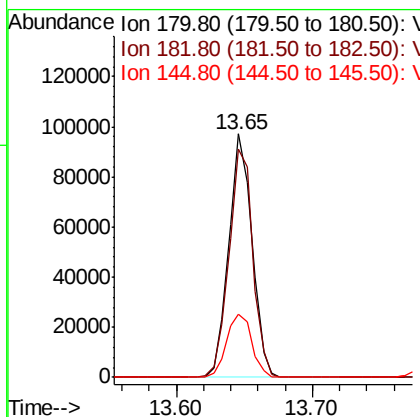
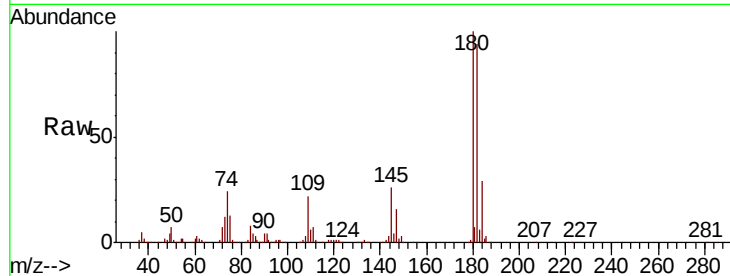
#93  
 1,2,4-Trichlorobenzene  
 Concen: 19.10 ug/l  
 RT: 13.65 min Scan# 2142  
 Delta R.T. -0.00 min  
 Lab File: VX004204.D  
 Acq: 22 Aug 2018 17:43

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0822WBSD01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 115362 |       |       |
| 182     | 96.0  | 48.4   | 145.0 |       |
| 145     | 28.0  | 14.3   | 42.9  |       |

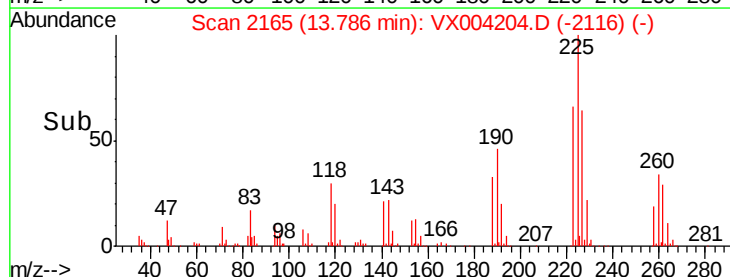
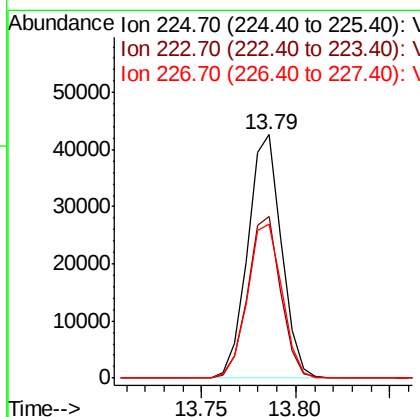
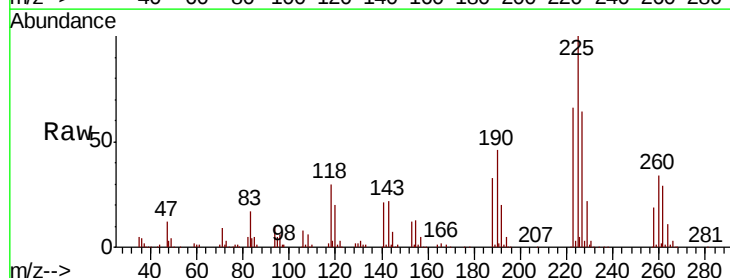
Manual Integrations  
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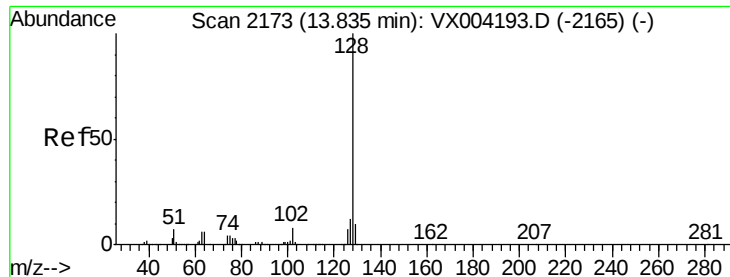
MMDadoda  
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#94  
 Hexachlorobutadiene  
 Concen: 18.69 ug/l  
 RT: 13.79 min Scan# 2165  
 Delta R.T. -0.00 min  
 Lab File: VX004204.D  
 Acq: 22 Aug 2018 17:43

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 225     | 100   | 52741 |       |       |
| 223     | 65.0  | 30.1  | 90.5  |       |
| 227     | 64.9  | 30.8  | 92.4  |       |





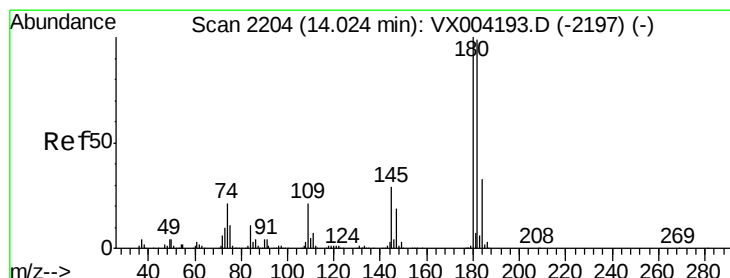
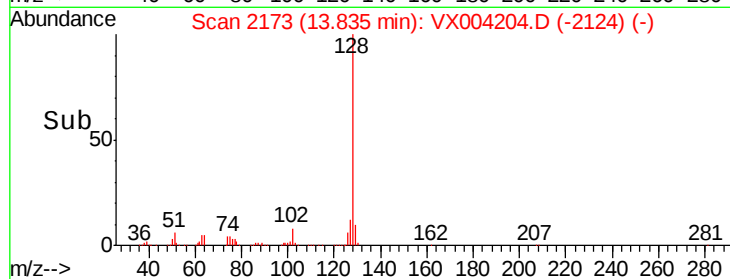
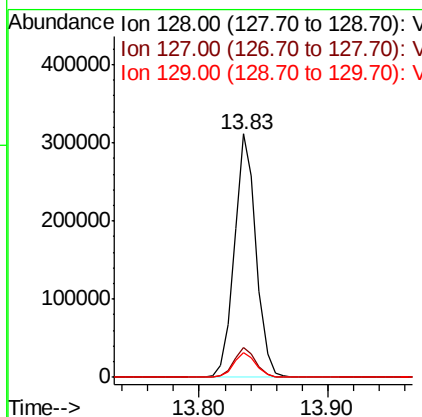
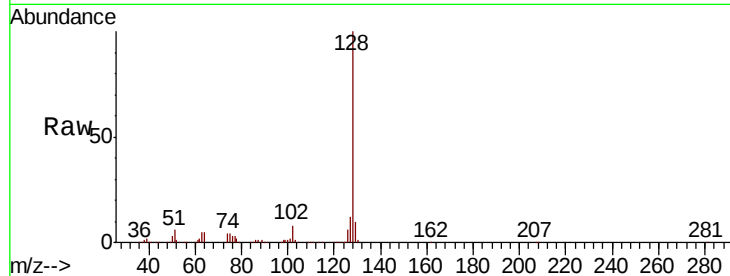
#95  
Naphthalene  
Concen: 21.29 ug/l  
RT: 13.83 min Scan# 2173  
Delta R.T. -0.00 min  
Lab File: VX004204.D  
Acq: 22 Aug 2018 17:43

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0822WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 12.3  | 10.2  | 15.2  |
| 129     | 10.4  | 8.6   | 12.8  |

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#96  
1,2,3-Trichlorobenzene  
Concen: 20.25 ug/l  
RT: 14.02 min Scan# 2204  
Delta R.T. -0.00 min  
Lab File: VX004204.D  
Acq: 22 Aug 2018 17:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 95.2  | 48.5  | 145.6 |
| 145     | 29.0  | 14.9  | 44.9  |

