

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081119\  
 Data File : VX011449.D  
 Acq On : 11 Aug 2019 23:15  
 Operator : JC/SP  
 Sample : VX0811WBSD02  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 34 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0811WBSD02

Manual Integrations  
 APPROVED

MMDadoda  
 8/12/2019 10:30:04 AM

Quant Time: Aug 12 08:19:09 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X080119W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Aug 02 01:55:00 2019  
 Response via : Initial Calibration

| Internal Standards            | R.T.  | QIon | Response | Conc    | Units   | Dev(Min) |
|-------------------------------|-------|------|----------|---------|---------|----------|
| 1) Pentafluorobenzene         | 5.66  | 168  | 162954   | 50.00   | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.85  | 114  | 245486   | 50.00   | ug/l    | 0.00     |
| 63) Chlorobenzene-d5          | 10.11 | 117  | 226815   | 50.00   | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.07 | 152  | 120146   | 50.00   | ug/l    | 0.00     |
| System Monitoring Compounds   |       |      |          |         |         |          |
| 33) 1,2-Dichloroethane-d4     | 6.06  | 65   | 98031    | 59.74   | ug/l    | 0.00     |
| Spiked Amount 50.000          |       |      | Recovery | =       | 119.48% |          |
| 35) Dibromofluoromethane      | 5.49  | 113  | 85554    | 53.38   | ug/l    | 0.00     |
| Spiked Amount 50.000          |       |      | Recovery | =       | 106.76% |          |
| 50) Toluene-d8                | 8.71  | 98   | 316623   | 52.34   | ug/l    | 0.00     |
| Spiked Amount 50.000          |       |      | Recovery | =       | 104.68% |          |
| 62) 4-Bromofluorobenzene      | 11.13 | 95   | 116594   | 53.98   | ug/l    | 0.00     |
| Spiked Amount 50.000          |       |      | Recovery | =       | 107.96% |          |
| Target Compounds              |       |      |          |         |         |          |
|                               |       |      |          |         | Qvalue  |          |
| 2) Dichlorodifluoromethane    | 1.19  | 85   | 23954    | 19.033  | ug/l    | 100      |
| 3) Chloromethane              | 1.32  | 50   | 26036    | 18.422  | ug/l    | 98       |
| 4) Vinyl Chloride             | 1.40  | 62   | 28772    | 18.507  | ug/l    | 99       |
| 5) Bromomethane               | 1.63  | 94   | 21063    | 18.997  | ug/l    | 98       |
| 6) Chloroethane               | 1.71  | 64   | 19160    | 18.244  | ug/l    | 99       |
| 7) Trichlorofluoromethane     | 1.92  | 101  | 52452    | 18.975  | ug/l    | 100      |
| 8) Diethyl Ether              | 2.18  | 74   | 18491    | 18.734  | ug/l    | 100      |
| 9) 1,1,2-Trichlorotrifluoroet | 2.38  | 101  | 29571    | 19.771  | ug/l    | 98       |
| 10) Methyl Iodide             | 2.50  | 142  | 34810    | 18.460  | ug/l    | 97       |
| 11) Tert butyl alcohol        | 3.04  | 59   | 43261    | 132.212 | ug/l    | 97       |
| 12) 1,1-Dichloroethene        | 2.37  | 96   | 29240    | 19.722  | ug/l    | 94       |
| 13) Acrolein                  | 2.29  | 56   | 9356     | 45.661  | ug/l    | 94       |
| 14) Allyl chloride            | 2.72  | 41   | 42340    | 21.421  | ug/l    | 97       |
| 15) Acrylonitrile             | 3.14  | 53   | 85600    | 109.618 | ug/l    | 98       |
| 16) Acetone                   | 2.43  | 43   | 75621    | 96.813  | ug/l    | 99       |
| 17) Carbon Disulfide          | 2.56  | 76   | 64116    | 18.428  | ug/l    | 97       |
| 18) Methyl Acetate            | 2.76  | 43   | 41485    | 23.240  | ug/l    | 99       |
| 19) Methyl tert-butyl Ether   | 3.18  | 73   | 96723    | 22.137  | ug/l    | 96       |
| 20) Methylene Chloride        | 2.85  | 84   | 34532    | 20.187  | ug/l    | 94       |
| 21) trans-1,2-Dichloroethene  | 3.16  | 96   | 30860    | 19.677  | ug/l    | 89       |
| 22) Diisopropyl ether         | 3.85  | 45   | 93805    | 21.594  | ug/l    | 98       |
| 23) Vinyl Acetate             | 3.81  | 43   | 394202   | 109.409 | ug/l    | 98       |
| 24) 1,1-Dichloroethane        | 3.69  | 63   | 55295    | 21.587  | ug/l    | 99       |
| 25) 2-Butanone                | 4.66  | 43   | 117980   | 106.182 | ug/l    | 96       |
| 26) 2,2-Dichloropropane       | 4.57  | 77   | 30375    | 15.254  | ug/l    | 99       |
| 27) cis-1,2-Dichloroethene    | 4.59  | 96   | 37000    | 20.482  | ug/l    | 98       |
| 28) Bromochloromethane        | 5.01  | 49   | 26105    | 22.355  | ug/l #  | 95       |
| 29) Tetrahydrofuran           | 5.12  | 42   | 72277    | 106.090 | ug/l    | 99       |
| 30) Chloroform                | 5.20  | 83   | 61218    | 21.989  | ug/l    | 97       |
| 31) Cyclohexane               | 5.57  | 56   | 42198    | 19.968  | ug/l    | 94       |
| 32) 1,1,1-Trichloroethane     | 5.49  | 97   | 52409    | 21.975  | ug/l    | 98       |
| 36) 1,1-Dichloropropene       | 5.80  | 75   | 40536    | 18.913  | ug/l    | 99       |
| 37) Ethyl Acetate             | 4.82  | 43   | 44692    | 20.788  | ug/l    | 100      |
| 38) Carbon Tetrachloride      | 5.78  | 117  | 44831    | 20.790  | ug/l    | 97       |

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 Sample : VX0811WBSD02  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 34 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleID :  
 VX0811WBSD02

Manual Integrations  
 APPROVED

MMDadoda  
 8/12/2019 10:30:04 AM

Quant Time: Aug 12 08:19:09 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X080119W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Aug 02 01:55:00 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units | Dev(Min) |
|--------------------------------|-------|------|----------|---------|-------|----------|
| 39) Methylcyclohexane          | 7.46  | 83   | 45518    | 17.917  | ug/l  | 98       |
| 40) Benzene                    | 6.13  | 78   | 127877   | 19.994  | ug/l  | 96       |
| 41) Methacrylonitrile          | 5.03  | 41   | 24579    | 20.934  | ug/l  | 96       |
| 42) 1,2-Dichloroethane         | 6.18  | 62   | 48322    | 22.343  | ug/l  | 98       |
| 43) Isopropyl Acetate          | 6.44  | 43   | 71585    | 20.826  | ug/l  | 99       |
| 44) Trichloroethene            | 7.21  | 130  | 37345    | 19.290  | ug/l  | 83       |
| 45) 1,2-Dichloropropane        | 7.51  | 63   | 33233    | 20.063  | ug/l  | 94       |
| 46) Dibromomethane             | 7.66  | 93   | 24712    | 20.437  | ug/l  | 95       |
| 47) Bromodichloromethane       | 7.90  | 83   | 42988    | 20.998  | ug/l  | 99       |
| 48) Methyl methacrylate        | 7.76  | 41   | 35104    | 21.701  | ug/l  | 97       |
| 49) 1,4-Dioxane                | 7.73  | 88   | 18075    | 385.431 | ug/l  | 92       |
| 51) 4-Methyl-2-Pentanone       | 8.63  | 43   | 237133   | 106.901 | ug/l  | 99       |
| 52) Toluene                    | 8.78  | 92   | 85044    | 20.111  | ug/l  | 100      |
| 53) t-1,3-Dichloropropene      | 9.04  | 75   | 42548    | 19.671  | ug/l  | 99       |
| 54) cis-1,3-Dichloropropene    | 8.43  | 75   | 46980    | 19.645  | ug/l  | 94       |
| 55) 1,1,2-Trichloroethane      | 9.21  | 97   | 36245    | 20.846  | ug/l  | 96       |
| 56) Ethyl methacrylate         | 9.18  | 69   | 52064    | 21.013  | ug/l  | 97       |
| 57) 1,3-Dichloropropane        | 9.37  | 76   | 56827    | 20.667  | ug/l  | 100      |
| 58) 2-Chloroethyl Vinyl ether  | 8.31  | 63   | 128531   | 105.504 | ug/l  | 98       |
| 59) 2-Hexanone                 | 9.49  | 43   | 183819   | 106.985 | ug/l  | 99       |
| 60) Dibromochloromethane       | 9.58  | 129  | 36862    | 20.708  | ug/l  | 97       |
| 61) 1,2-Dibromoethane          | 9.67  | 107  | 38429    | 20.458  | ug/l  | 97       |
| 64) Tetrachloroethene          | 9.34  | 164  | 38886    | 20.188  | ug/l  | 97       |
| 65) Chlorobenzene              | 10.13 | 112  | 95593    | 19.656  | ug/l  | 100      |
| 66) 1,1,1,2-Tetrachloroethane  | 10.22 | 131  | 35402    | 21.263  | ug/l  | 100      |
| 67) Ethyl Benzene              | 10.25 | 91   | 166323   | 20.421  | ug/l  | 98       |
| 68) m/p-Xylenes                | 10.35 | 106  | 125962   | 39.984  | ug/l  | 97       |
| 69) o-Xylene                   | 10.69 | 106  | 60363    | 19.501  | ug/l  | 96       |
| 70) Styrene                    | 10.71 | 104  | 104655   | 20.434  | ug/l  | 98       |
| 71) Bromoform                  | 10.85 | 173  | 26266    | 19.479  | ug/l  | # 98     |
| 73) Isopropylbenzene           | 11.02 | 105  | 165438   | 20.133  | ug/l  | 99       |
| 74) N-amyl acetate             | 10.90 | 43   | 63881    | 21.515  | ug/l  | 98       |
| 75) 1,1,2,2-Tetrachloroethane  | 11.26 | 83   | 56353    | 20.579  | ug/l  | 100      |
| 76) 1,2,3-Trichloropropane     | 11.29 | 75   | 47131m   | 21.541  | ug/l  |          |
| 77) Bromobenzene               | 11.25 | 156  | 45443    | 19.944  | ug/l  | 96       |
| 78) n-propylbenzene            | 11.36 | 91   | 182656   | 19.989  | ug/l  | 99       |
| 79) 2-Chlorotoluene            | 11.42 | 91   | 111193   | 20.415  | ug/l  | 99       |
| 80) 1,3,5-Trimethylbenzene     | 11.51 | 105  | 139407   | 20.267  | ug/l  | 98       |
| 81) trans-1,4-Dichloro-2-buten | 11.07 | 75   | 12203    | 18.072  | ug/l  | 89       |
| 82) 4-Chlorotoluene            | 11.51 | 91   | 129215   | 20.357  | ug/l  | 99       |
| 83) tert-Butylbenzene          | 11.77 | 119  | 134683   | 19.964  | ug/l  | 96       |
| 84) 1,2,4-Trimethylbenzene     | 11.80 | 105  | 141653   | 20.684  | ug/l  | 99       |
| 85) sec-Butylbenzene           | 11.94 | 105  | 162826   | 20.088  | ug/l  | 100      |
| 86) p-Isopropyltoluene         | 12.06 | 119  | 148933   | 19.973  | ug/l  | 99       |
| 87) 1,3-Dichlorobenzene        | 12.02 | 146  | 81040    | 20.129  | ug/l  | 98       |
| 88) 1,4-Dichlorobenzene        | 12.10 | 146  | 80340    | 19.352  | ug/l  | 97       |
| 89) n-Butylbenzene             | 12.38 | 91   | 123800   | 19.271  | ug/l  | 99       |
| 90) Hexachloroethane           | 12.59 | 117  | 21653    | 19.641  | ug/l  | 100      |
| 91) 1,2-Dichlorobenzene        | 12.39 | 146  | 82046    | 20.282  | ug/l  | 98       |
| 92) 1,2-Dibromo-3-Chloropropan | 13.00 | 75   | 11392    | 21.473  | ug/l  | 92       |

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Sample : VX0811WBSD02  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 34 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0811WBSD02

Manual Integrations  
APPROVED

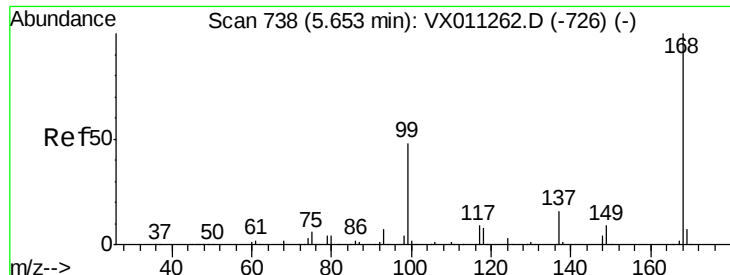
MMDadoda  
8/12/2019 10:30:04 AM

Quant Time: Aug 12 08:19:09 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X080119W.M  
Quant Title : SW846 8260  
QLast Update : Fri Aug 02 01:55:00 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 13.64 | 180  | 54122    | 20.174 | ug/l  | 97       |
| 94) Hexachlorobutadiene    | 13.78 | 225  | 26891    | 19.757 | ug/l  | 99       |
| 95) Naphthalene            | 13.83 | 128  | 160916   | 20.511 | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 14.02 | 180  | 54912    | 20.134 | ug/l  | 100      |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.01 min

Lab File: VX011449.D

Acq: 11 Aug 2019 23:15

Instrument :

MSVOA\_X

ClientSampleId :

VX0811WBSD02

Tot Ion:168 Resp: 162954

Ion Ratio Lower Upper

168 100

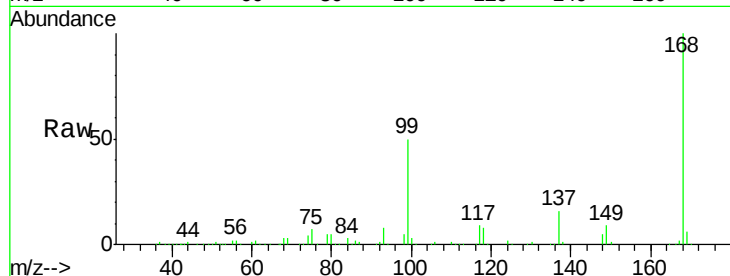
99 49.4 38.5 57.7

Manual Integrations

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8/12/2019 10:30:04 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

60000

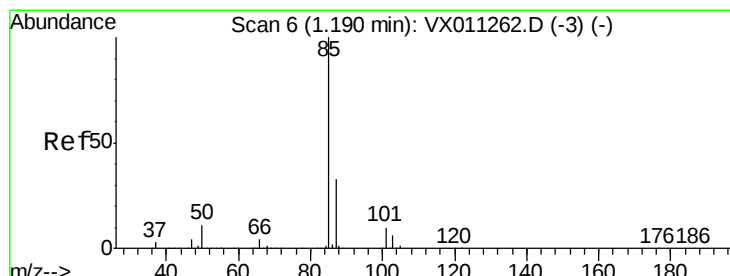
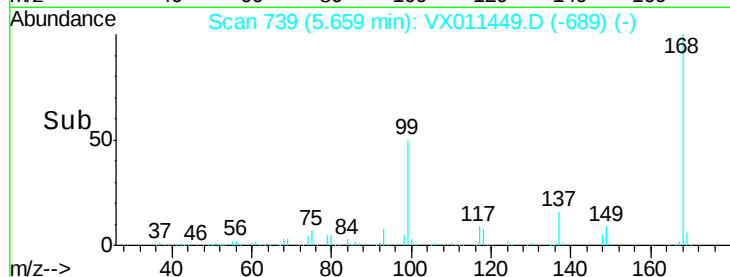
40000

20000

0

5.50 5.60 5.70

Time-->



#2

Dichlorodifluoromethane

Concen: 19.033 ug/l

RT: 1.19 min Scan# 6

Delta R.T. 0.00 min

Lab File: VX011449.D

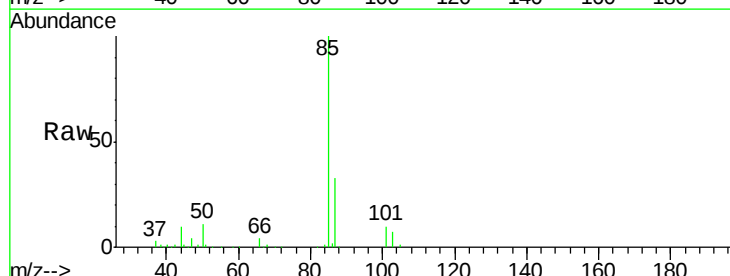
Acq: 11 Aug 2019 23:15

Tgt Ion: 85 Resp: 23954

Ion Ratio Lower Upper

85 100

87 32.8 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

30000

25000

20000

15000

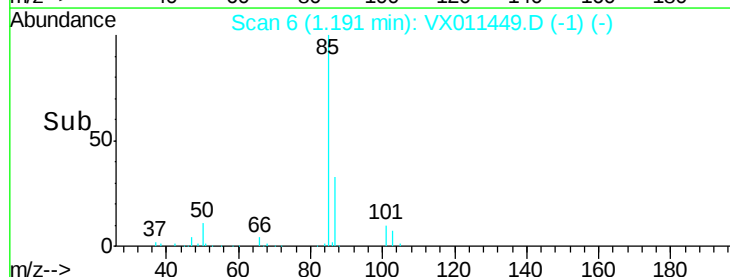
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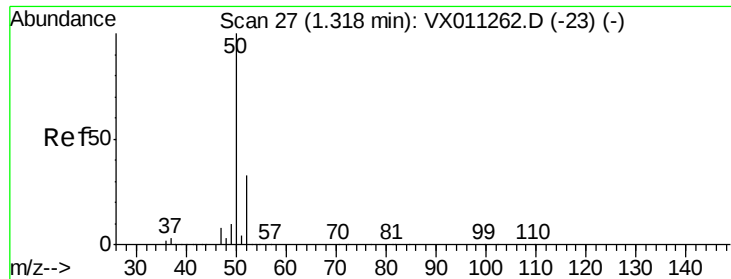
5000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 18.422 ug/l

RT: 1.32 min Scan# 27

Delta R.T. 0.00 min

Lab File: VX011449.D

Acq: 11 Aug 2019 23:15

Instrument :

MSVOA\_X

ClientSampleId :

VX0811WBSD02

Tot Ion: 50 Resp: 26036

Ion Ratio Lower Upper

50 100

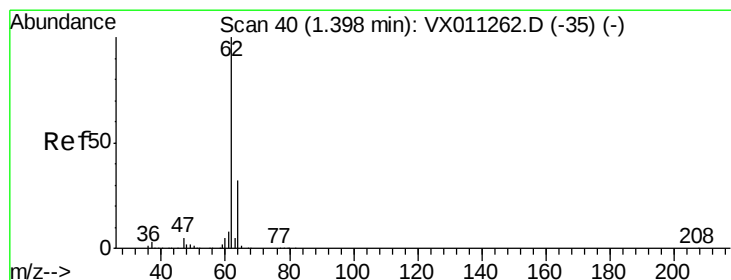
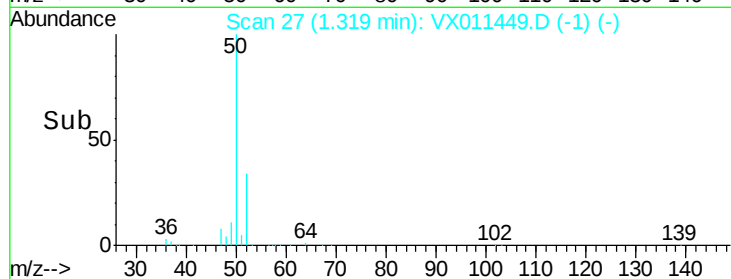
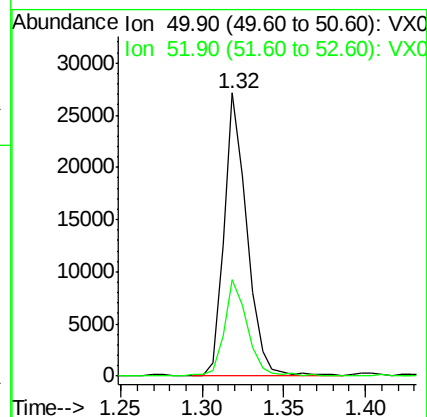
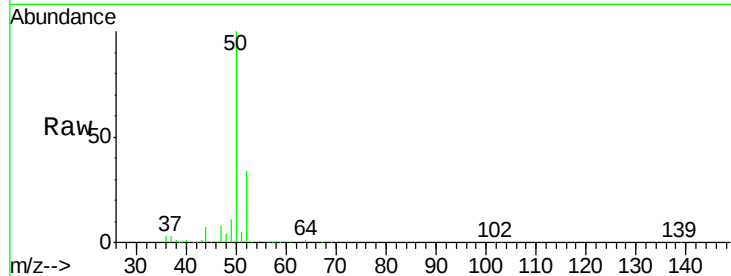
52 34.0 26.4 39.6

Manual Integrations

APPROVED

MMDadoda

8/12/2019 10:30:04 AM



#4

Vinyl Chloride

Concen: 18.507 ug/l

RT: 1.40 min Scan# 40

Delta R.T. 0.00 min

Lab File: VX011449.D

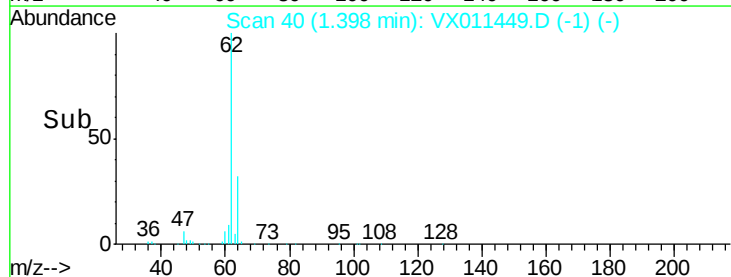
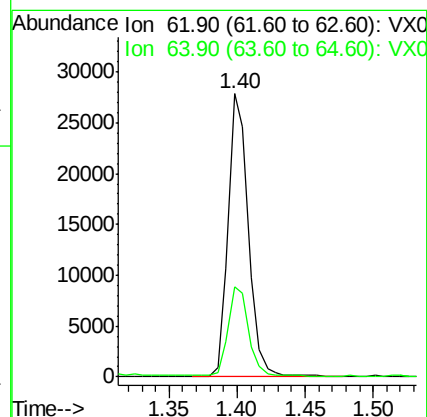
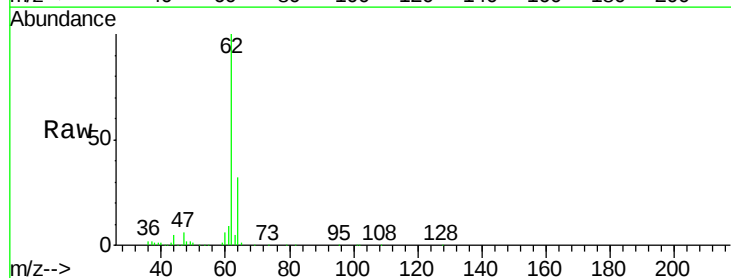
Acq: 11 Aug 2019 23:15

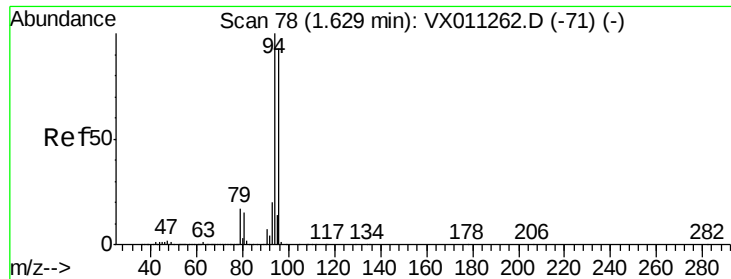
Tgt Ion: 62 Resp: 28772

Ion Ratio Lower Upper

62 100

64 31.8 26.0 39.0





#5

Bromomethane

Concen: 18.997 ug/l

RT: 1.63 min Scan# 78

Delta R.T. 0.00 min

Lab File: VX011449.D

Acq: 11 Aug 2019 23:15

Instrument :

MSVOA\_X

ClientSampleId :

VX0811WBSD02

Tot Ion: 94 Resp: 21063

Ion Ratio Lower Upper

94 100

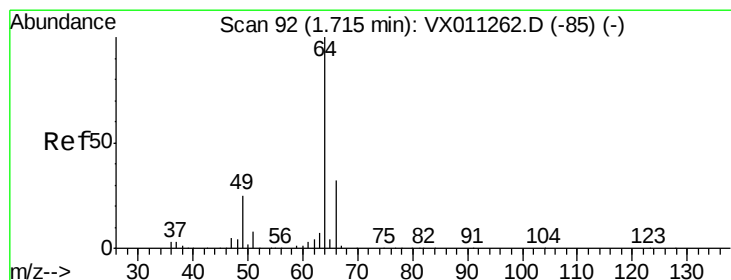
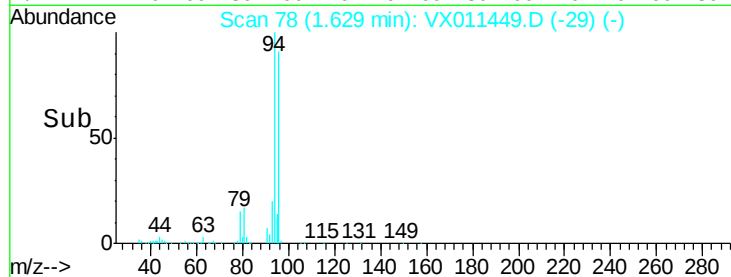
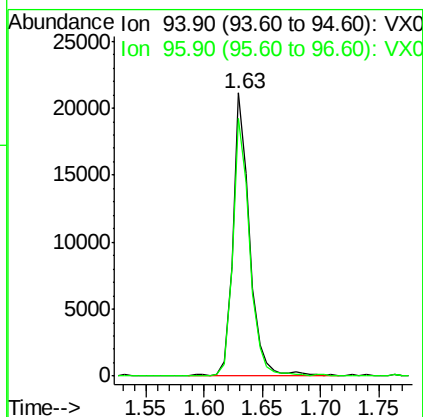
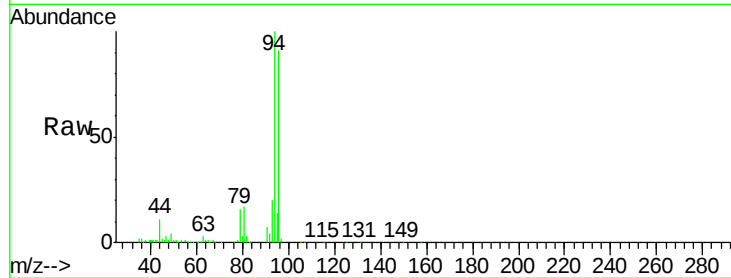
96 91.3 74.6 112.0

Manual Integrations

APPROVED

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8/12/2019 10:30:04 AM



#6

Chloroethane

Concen: 18.244 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX011449.D

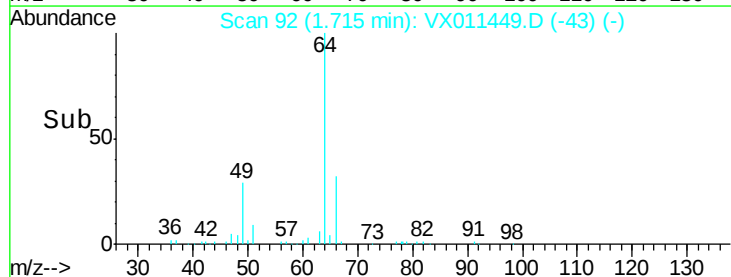
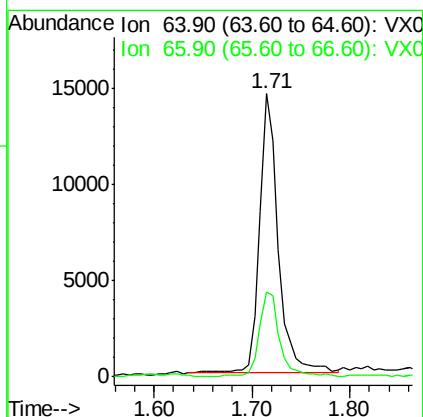
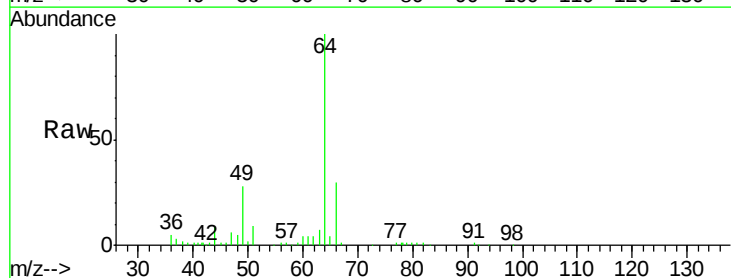
Acq: 11 Aug 2019 23:15

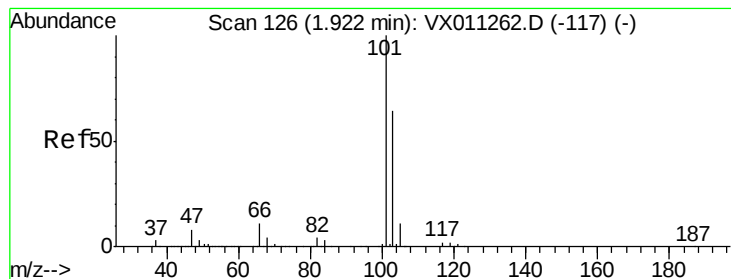
Tgt Ion: 64 Resp: 19160

Ion Ratio Lower Upper

64 100

66 30.6 25.1 37.7





#7

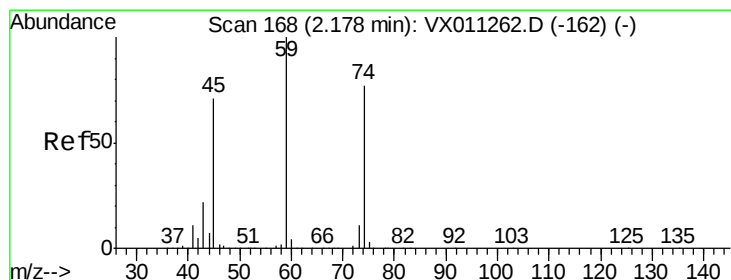
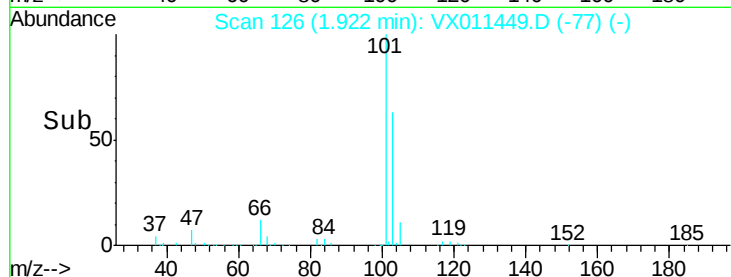
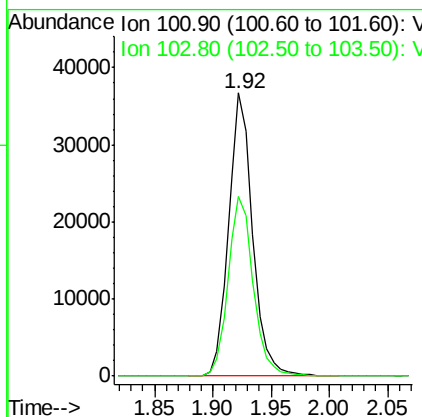
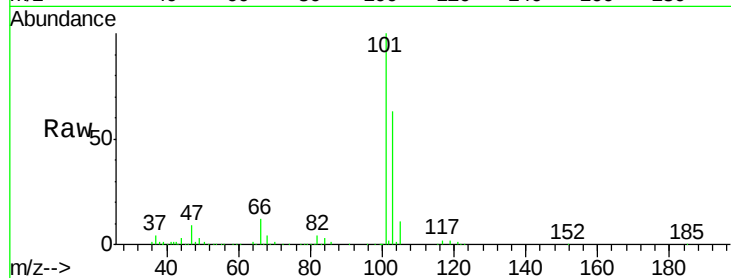
Trichlorofluoromethane  
Concen: 18.975 ug/l  
RT: 1.92 min Scan# 126  
Delta R.T. 0.00 min  
Lab File: VX011449.D  
Acq: 11 Aug 2019 23:15

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0811WBSD02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 63.4  | 50.9  | 76.3  |

Manual Integrations  
APPROVED

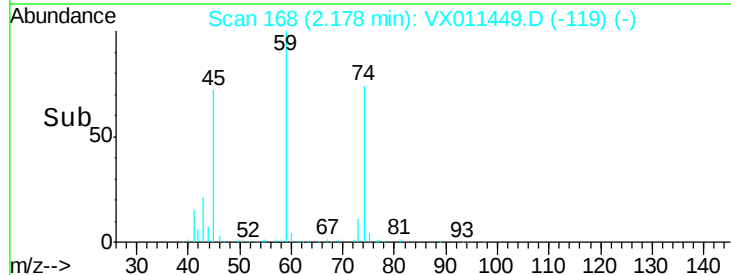
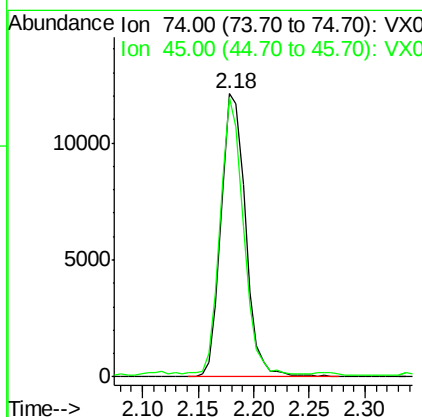
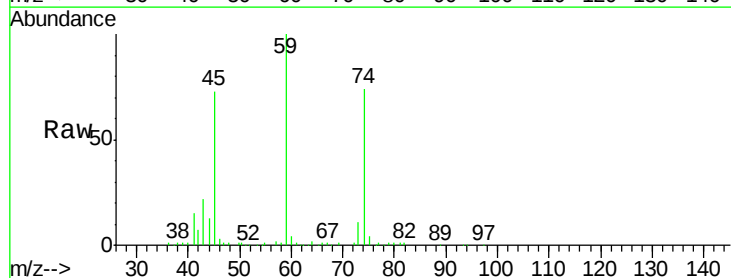
MMDadoda  
8/12/2019 10:30:04 AM

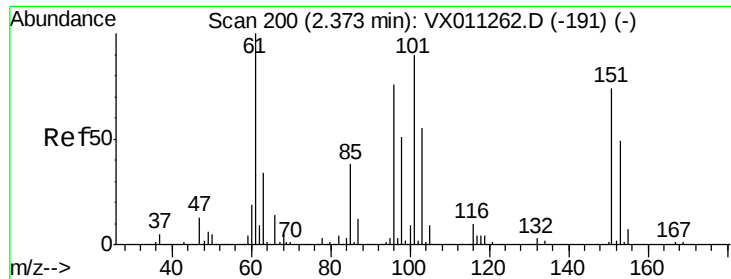


#8

Diethyl Ether  
Concen: 18.734 ug/l  
RT: 2.18 min Scan# 168  
Delta R.T. 0.00 min  
Lab File: VX011449.D  
Acq: 11 Aug 2019 23:15

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 92.6  | 46.1  | 138.3 |





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.771 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.01 min

Lab File: VX011449.D

Acq: 11 Aug 2019 23:15

Instrument :

MSVOA\_X

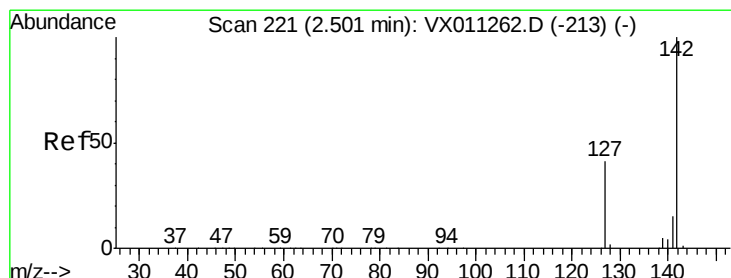
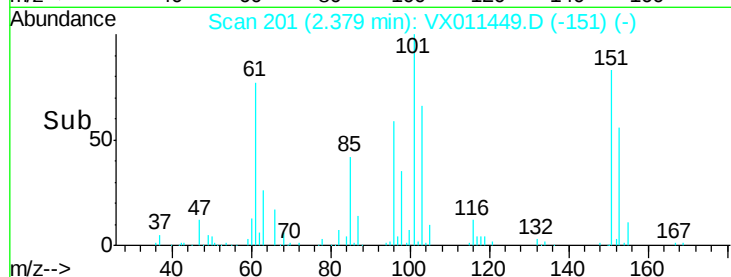
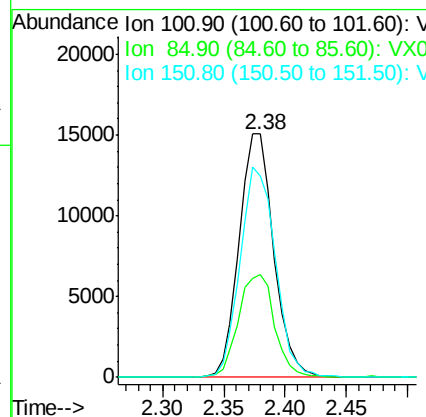
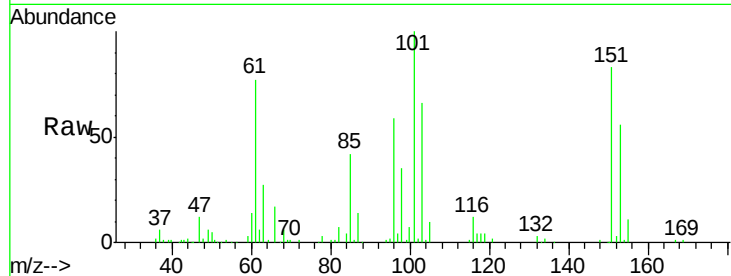
ClientSampleId :

VX0811WBSD02

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 101   | Resp: | 29571 |
| Ion Ratio | Lower | Upper |       |
| 101       | 100   |       |       |
| 85        | 44.0  | 33.8  | 50.6  |
| 151       | 88.4  | 69.5  | 104.3 |

Manual Integrations  
APPROVED

MMDadoda  
8/12/2019 10:30:04 AM



#10

Methyl Iodide

Concen: 18.460 ug/l

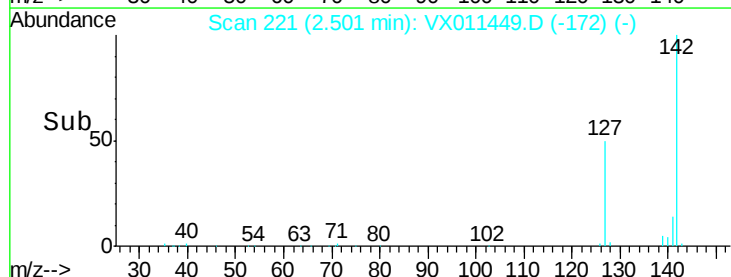
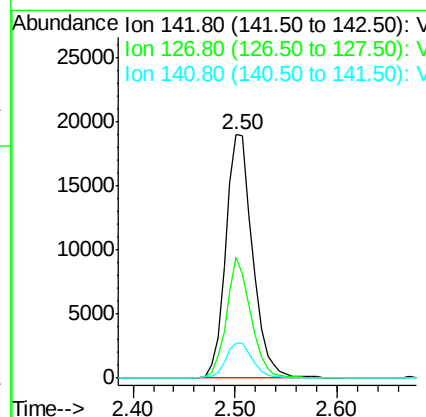
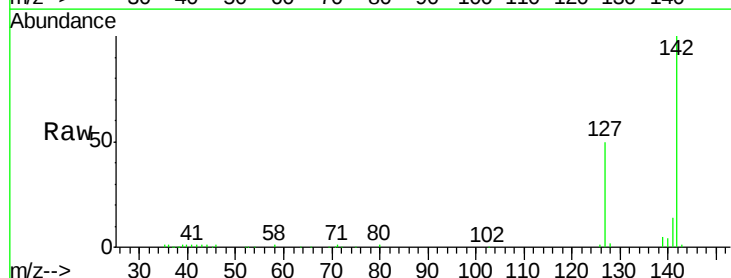
RT: 2.50 min Scan# 221

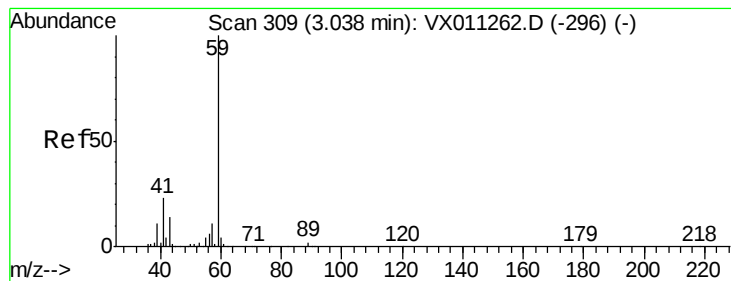
Delta R.T. 0.00 min

Lab File: VX011449.D

Acq: 11 Aug 2019 23:15

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 142   | Resp: | 34810 |
| Ion Ratio | Lower | Upper |       |
| 142       | 100   |       |       |
| 127       | 44.8  | 33.8  | 50.8  |
| 141       | 14.3  | 11.4  | 17.2  |





#11

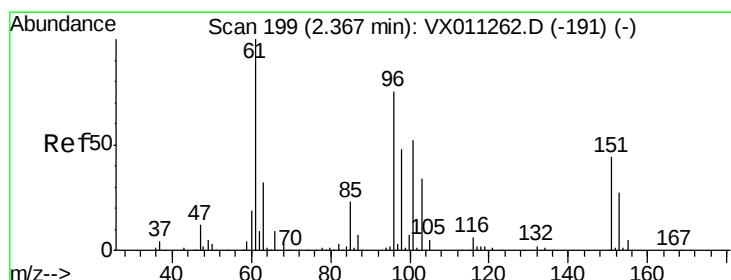
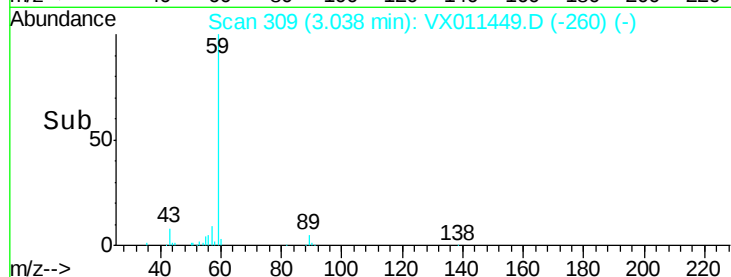
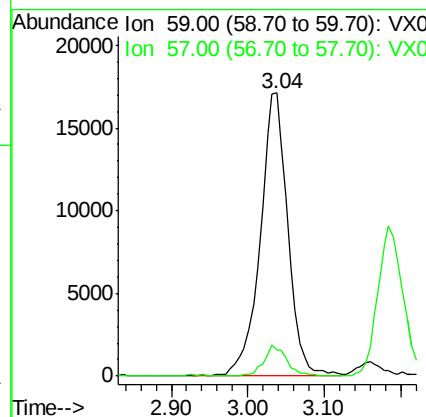
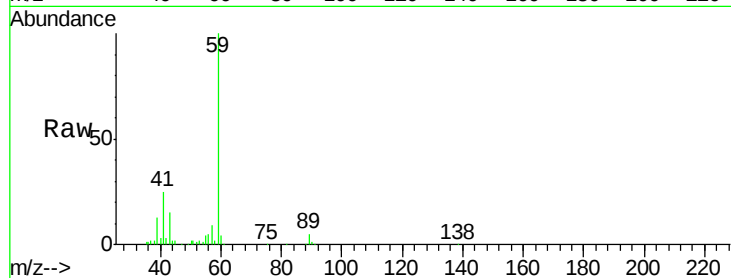
Tert butyl alcohol  
Concen: 132.212 ug/l  
RT: 3.04 min Scan# 309  
Delta R.T. 0.00 min  
Lab File: VX011449.D  
Acq: 11 Aug 2019 23:15

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0811WBSD02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 59      | 100   |       |       |
| 57      | 9.2   | 8.3   | 12.5  |

Manual Integrations  
APPROVED

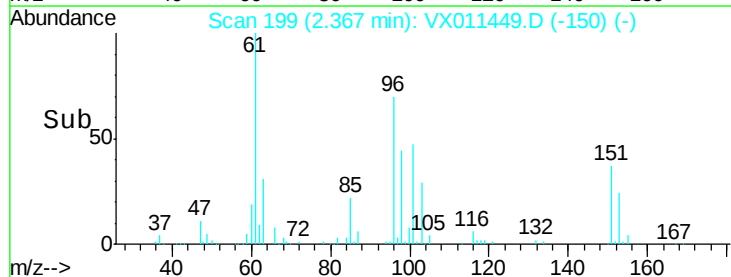
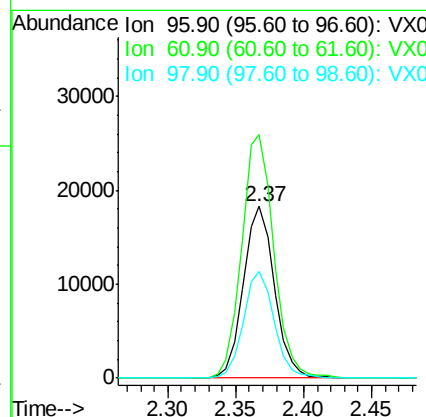
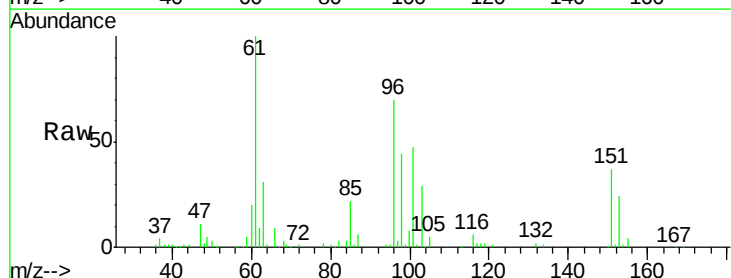
MMDadoda  
8/12/2019 10:30:04 AM

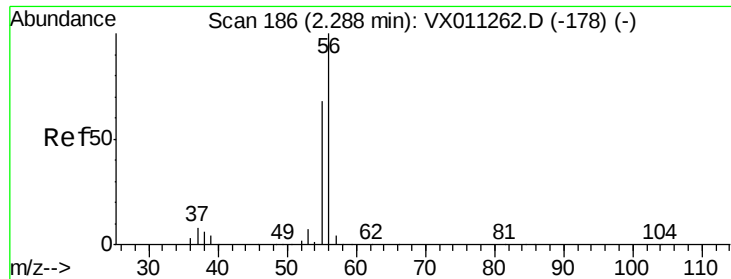


#12

1,1-Dichloroethene  
Concen: 19.722 ug/l  
RT: 2.37 min Scan# 199  
Delta R.T. 0.00 min  
Lab File: VX011449.D  
Acq: 11 Aug 2019 23:15

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 142.1 | 106.2 | 159.2 |
| 98      | 62.3  | 50.6  | 75.8  |





#13

Acrolein

Concen: 45.661 ug/l

RT: 2.29 min Scan# 186

Delta R.T. 0.00 min

Lab File: VX011449.D

Acq: 11 Aug 2019 23:15

Instrument :

MSVOA\_X

ClientSampleId :

VX0811WBSD02

Tot Ion: 56 Resp: 9356

Ion Ratio Lower Upper

56 100

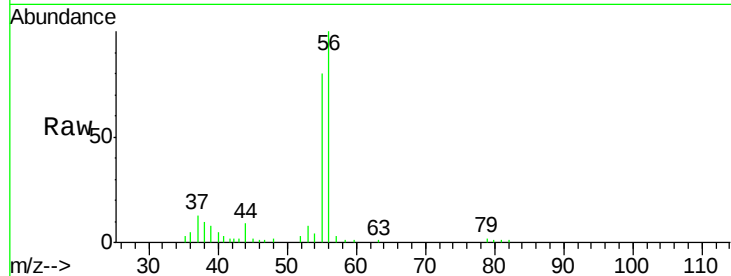
55 74.9 56.0 84.0

Manual Integrations

APPROVED

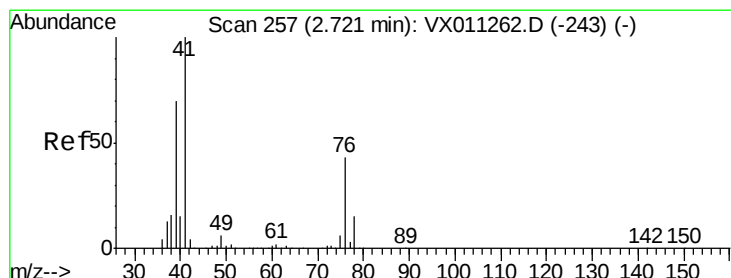
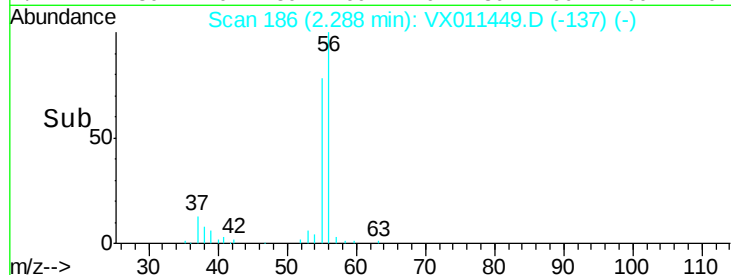
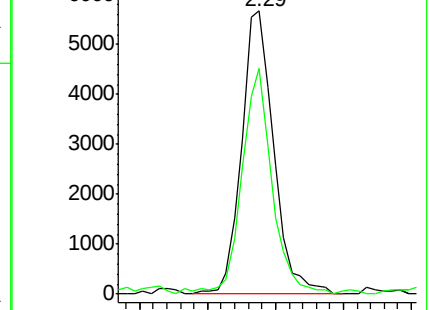
MMDadoda

8/12/2019 10:30:04 AM



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 21.421 ug/l

RT: 2.72 min Scan# 257

Delta R.T. 0.00 min

Lab File: VX011449.D

Acq: 11 Aug 2019 23:15

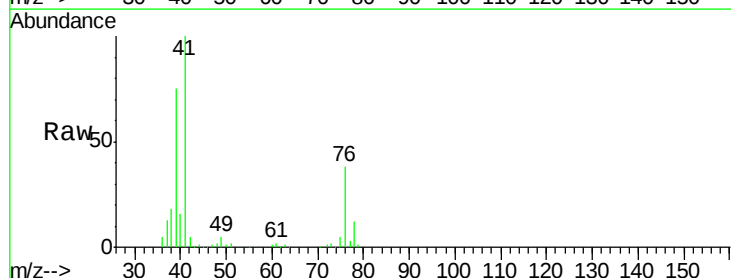
Tgt Ion: 41 Resp: 42340

Ion Ratio Lower Upper

41 100

39 67.6 52.8 79.2

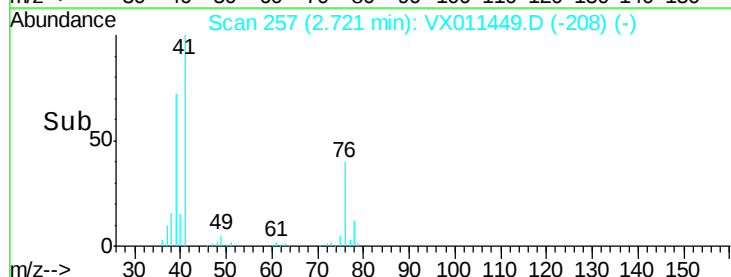
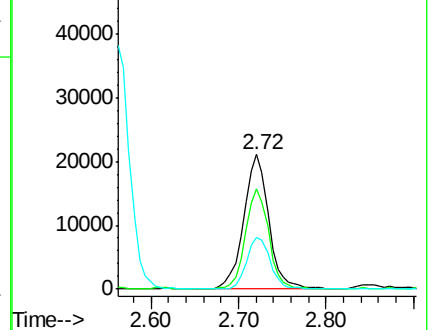
76 36.1 31.1 46.7

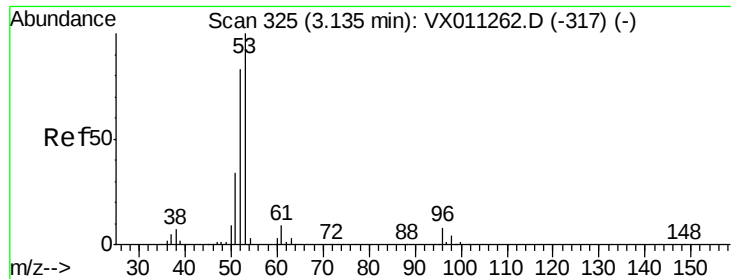


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 109.618 ug/l

RT: 3.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VX011449.D

Acq: 11 Aug 2019 23:15

Instrument :

MSVOA\_X

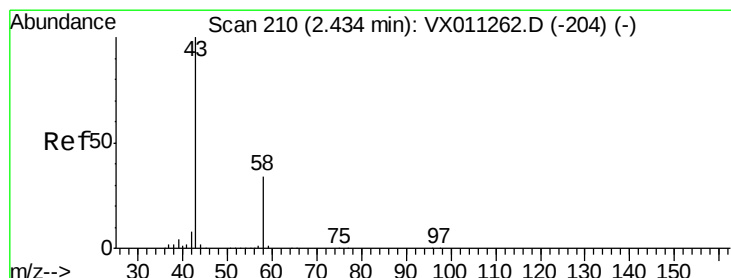
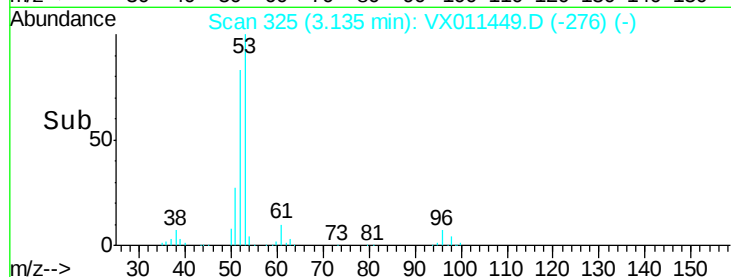
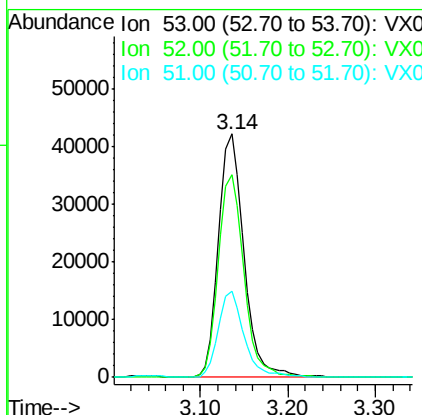
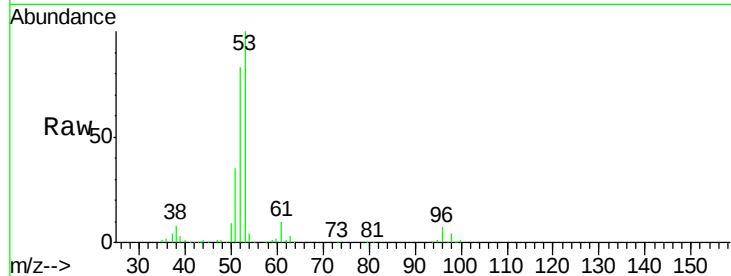
ClientSampleId :

VX0811WBSD02

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 53    | Resp: | 85600 |
| Ion Ratio | Lower | Upper |       |
| 53        | 100   |       |       |
| 52        | 83.8  | 65.5  | 98.3  |
| 51        | 36.1  | 27.9  | 41.9  |

Manual Integrations  
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8/12/2019 10:30:04 AM



#16

Acetone

Concen: 96.813 ug/l

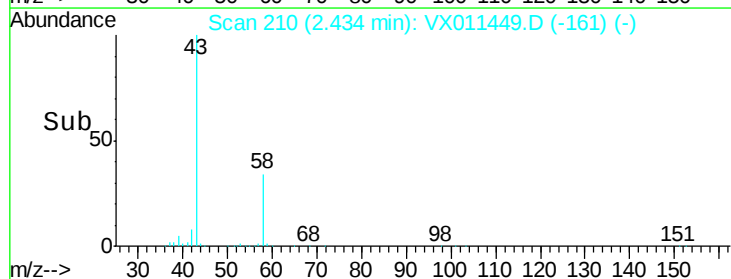
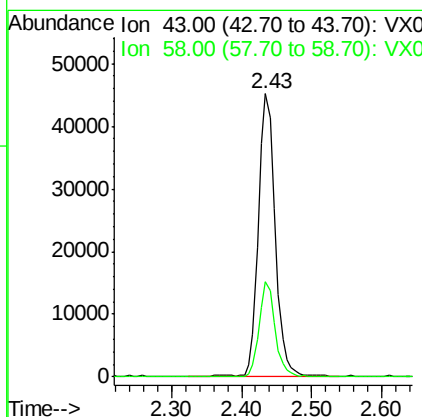
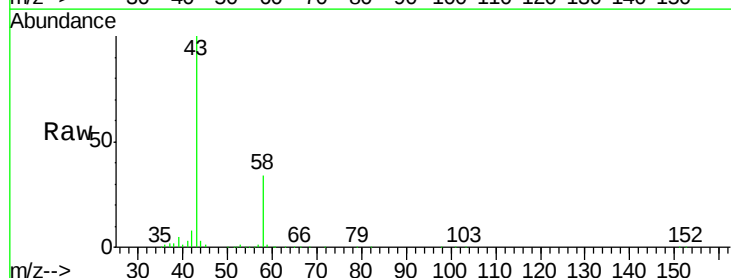
RT: 2.43 min Scan# 210

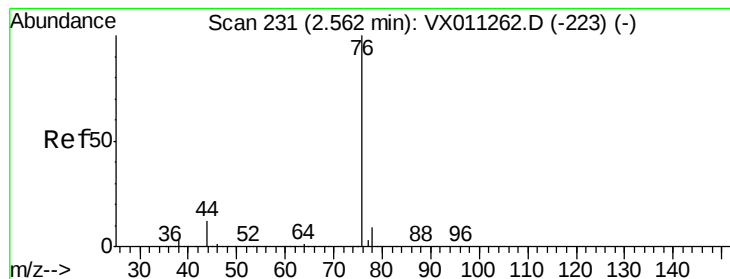
Delta R.T. 0.00 min

Lab File: VX011449.D

Acq: 11 Aug 2019 23:15

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 43    | Resp: | 75621 |
| Ion Ratio | Lower | Upper |       |
| 43        | 100   |       |       |
| 58        | 33.7  | 27.4  | 41.0  |





#17

Carbon Disulfide

Concen: 18.428 ug/l

RT: 2.56 min Scan# 231

Delta R.T. 0.00 min

Lab File: VX011449.D

Acq: 11 Aug 2019 23:15

Instrument :

MSVOA\_X

ClientSampleId :

VX0811WBSD02

Tot Ion: 76 Resp: 64116

Ion Ratio Lower Upper

76 100

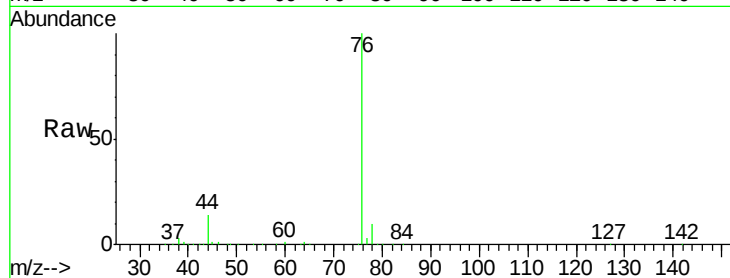
78 10.1 7.4 11.0

Manual Integrations

APPROVED

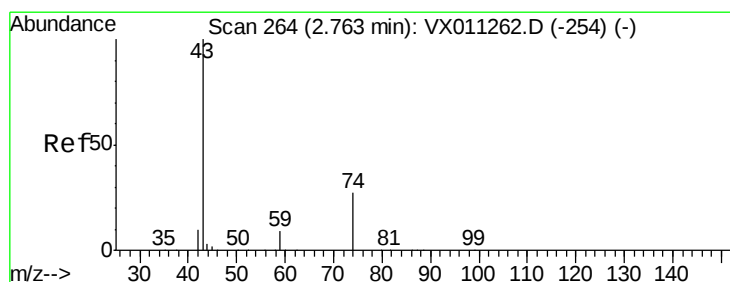
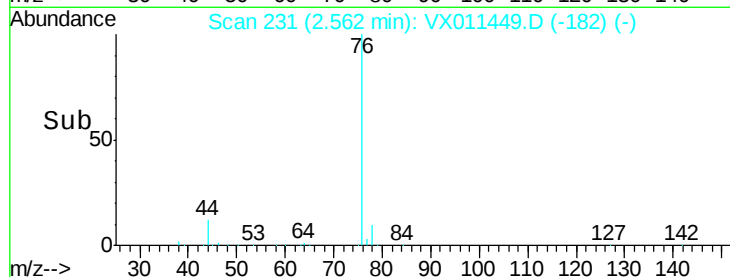
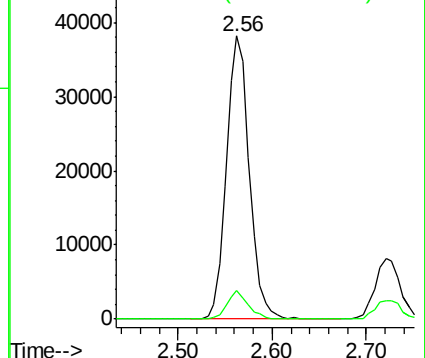
MMDadoda

8/12/2019 10:30:04 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 23.240 ug/l

RT: 2.76 min Scan# 264

Delta R.T. 0.00 min

Lab File: VX011449.D

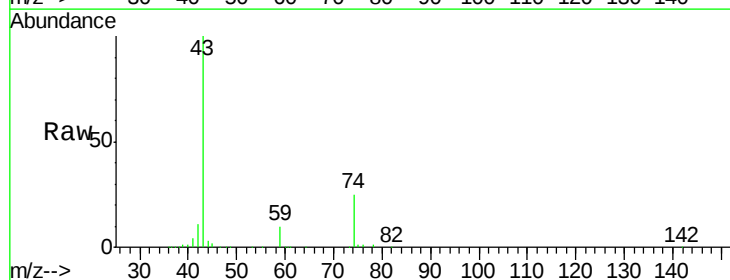
Acq: 11 Aug 2019 23:15

Tgt Ion: 43 Resp: 41485

Ion Ratio Lower Upper

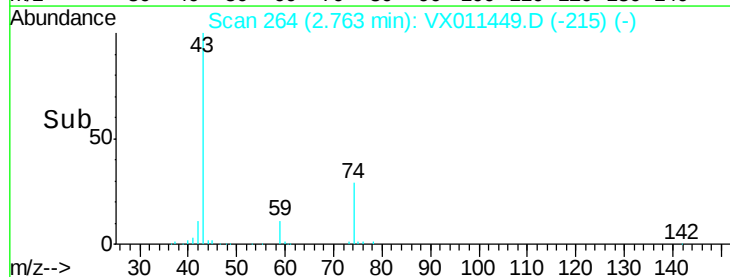
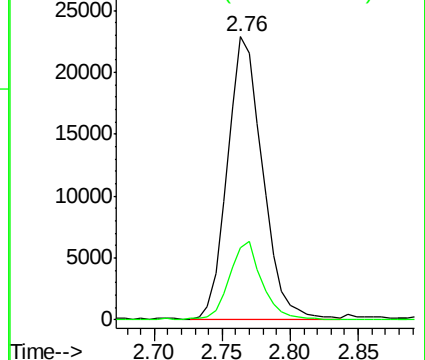
43 100

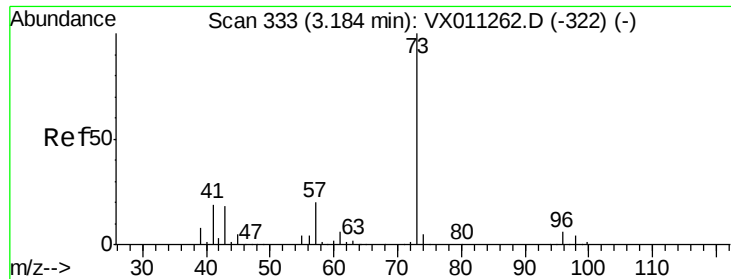
74 25.9 21.0 31.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





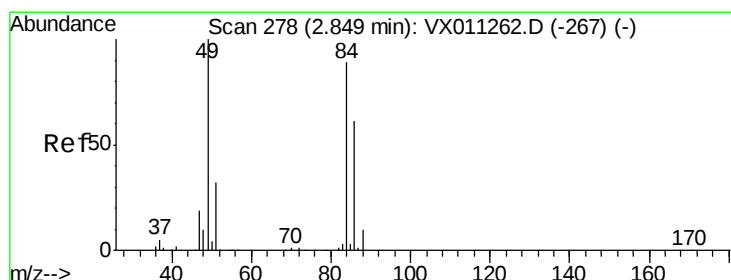
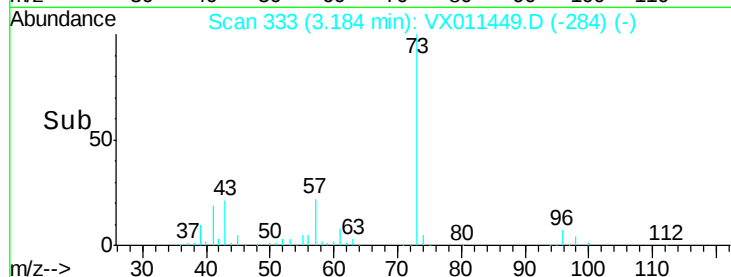
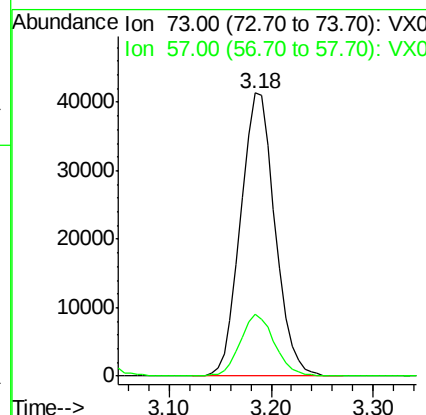
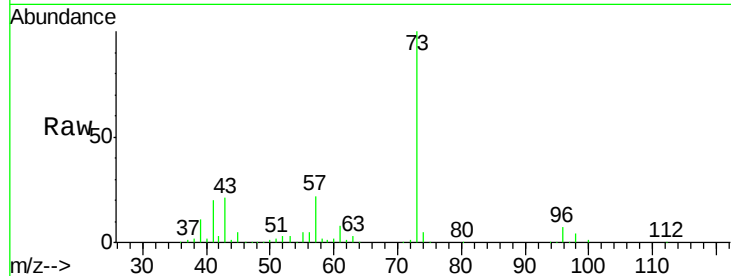
#19  
Methyl tert-butyl Ether  
Concen: 22.137 ug/l  
RT: 3.18 min Scan# 333  
Delta R.T. 0.00 min  
Lab File: VX011449.D  
Acq: 11 Aug 2019 23:15

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0811WBSD02

Tot Ion: 73 Resp: 96723  
Ion Ratio Lower Upper  
73 100  
57 21.9 16.2 24.2

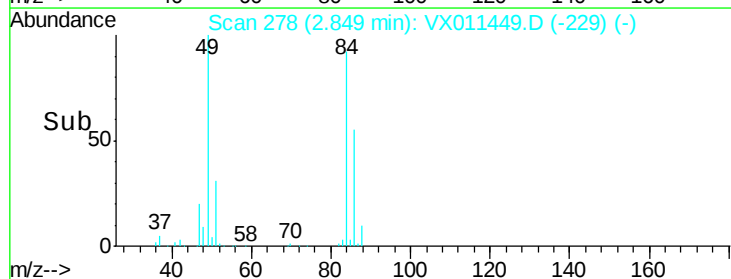
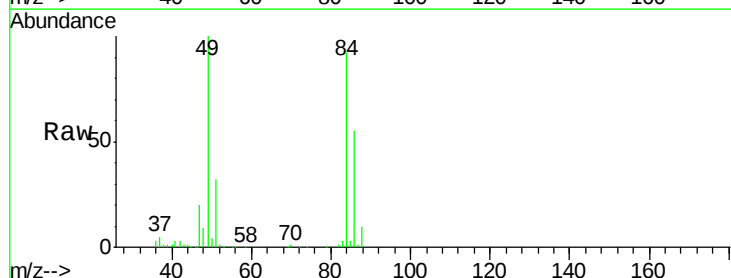
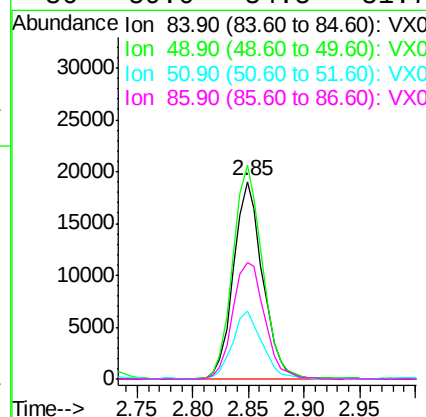
Manual Integrations  
APPROVED

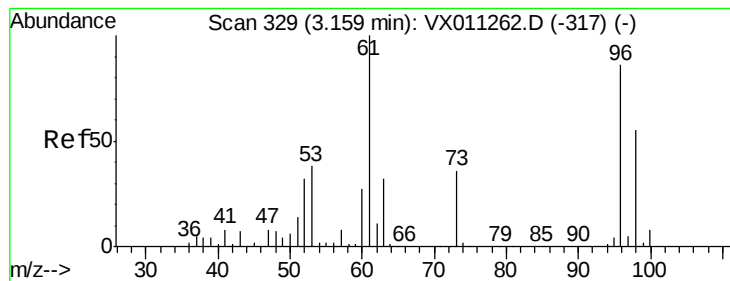
MMDadoda  
8/12/2019 10:30:04 AM



#20  
Methylene Chloride  
Concen: 20.187 ug/l  
RT: 2.85 min Scan# 278  
Delta R.T. 0.00 min  
Lab File: VX011449.D  
Acq: 11 Aug 2019 23:15

Tgt Ion: 84 Resp: 34532  
Ion Ratio Lower Upper  
84 100  
49 108.1 89.3 133.9  
51 34.1 28.3 42.5  
86 59.0 54.5 81.7





#21

trans-1,2-Dichloroethene

Concen: 19.677 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.00 min

Lab File: VX011449.D

Acq: 11 Aug 2019 23:15

Instrument :

MSVOA\_X

ClientSampleId :

VX0811WBSD02

Tot Ion: 96 Resp: 30860

Ion Ratio Lower Upper

96 100

61 134.5 92.8 139.2

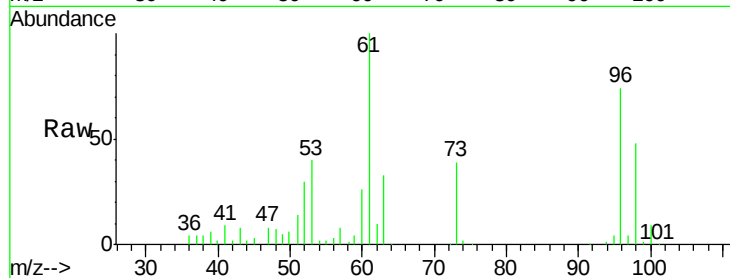
98 64.2 51.2 76.8

Manual Integrations

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MMDadoda

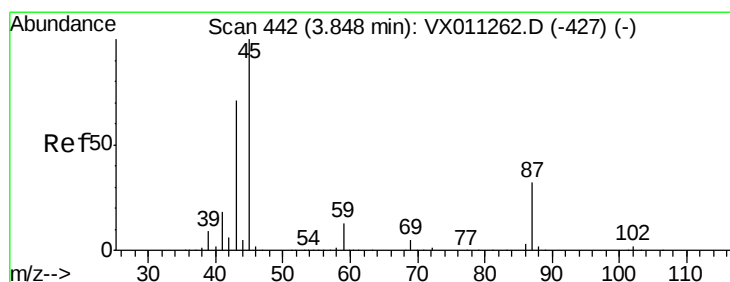
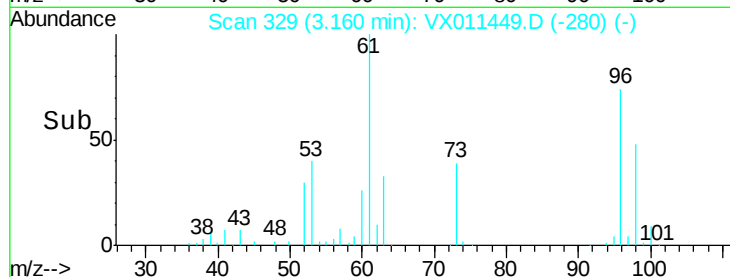
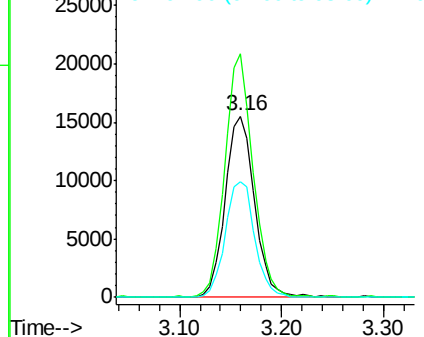
8/12/2019 10:30:04 AM



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: 21.594 ug/l

RT: 3.85 min Scan# 442

Delta R.T. 0.00 min

Lab File: VX011449.D

Acq: 11 Aug 2019 23:15

Tgt Ion: 45 Resp: 93805

Ion Ratio Lower Upper

45 100

43 73.7 56.8 85.2

87 32.8 25.8 38.6

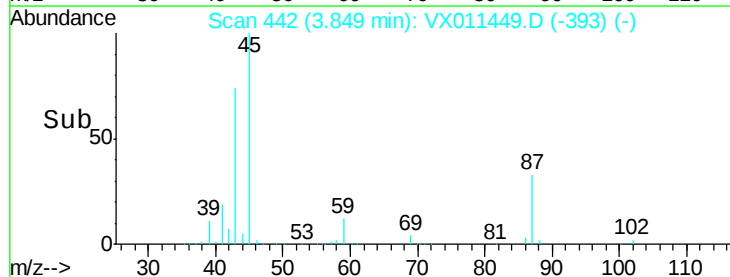
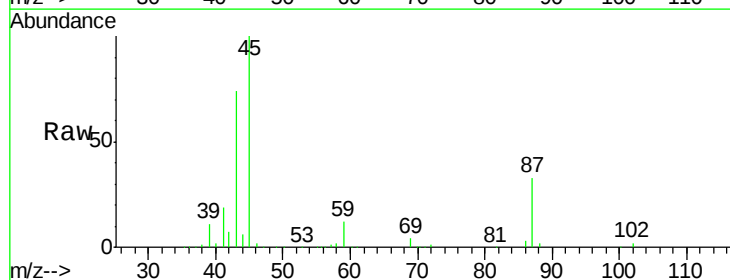
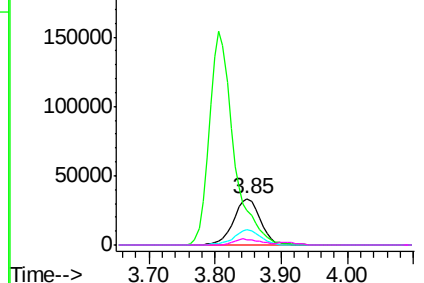
59 12.2 10.3 15.5

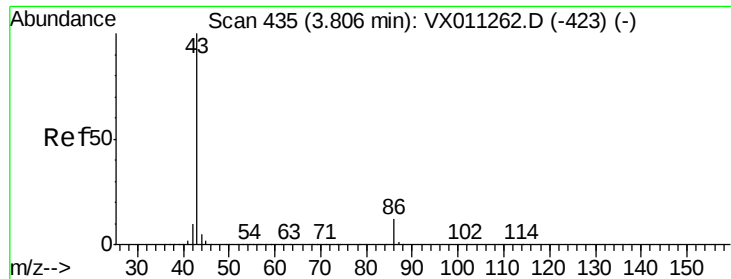
Abundance Ion 45.00 (44.70 to 45.70): VX0

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





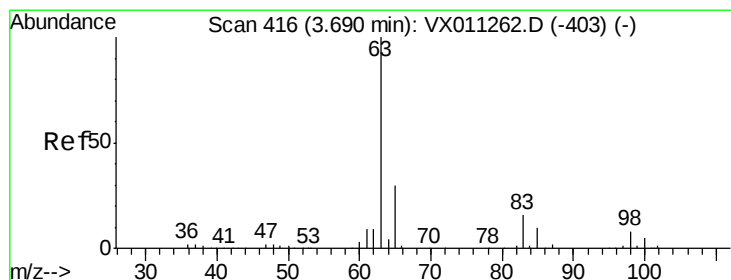
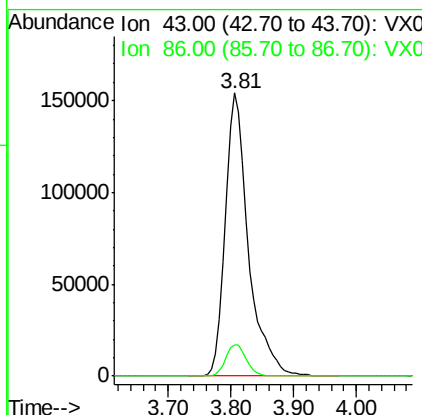
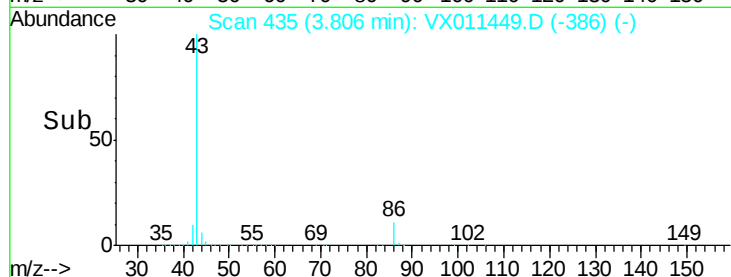
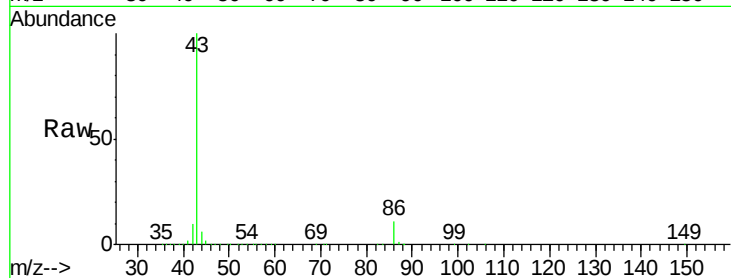
#23  
 Vinyl Acetate  
 Concen: 109.409 ug/l  
 RT: 3.81 min Scan# 435  
 Delta R.T. 0.00 min  
 Lab File: VX011449.D  
 Acq: 11 Aug 2019 23:15

Instrument :  
 MSVOA\_X  
 ClientSampleID :  
 VX0811WBSD02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 86      | 11.1  | 9.6   | 14.4  |

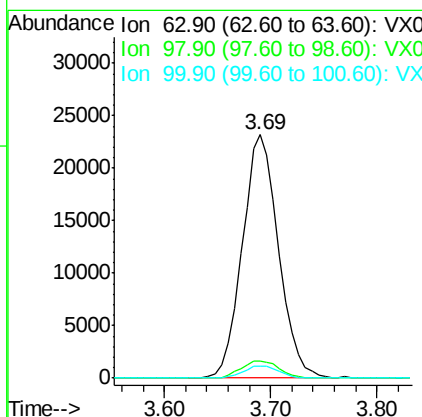
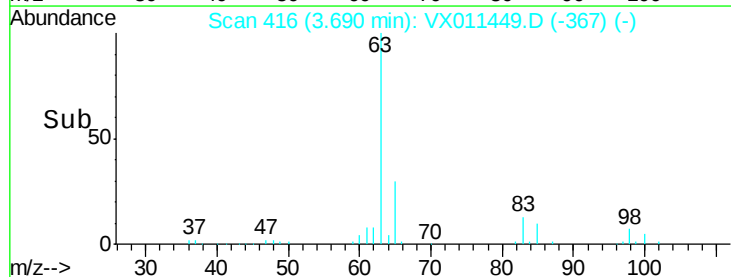
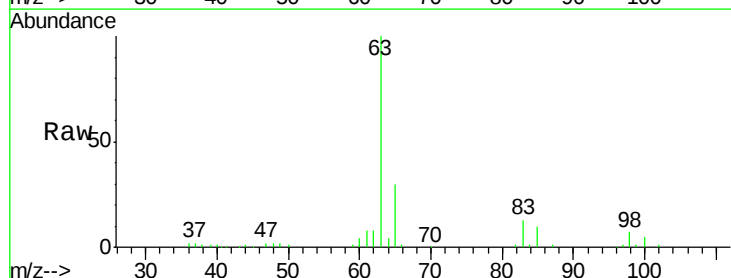
Manual Integrations  
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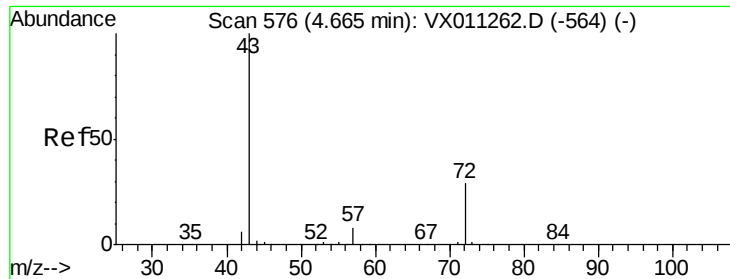
MMDadoda  
 8/12/2019 10:30:04 AM



#24  
 1,1-Dichloroethane  
 Concen: 21.587 ug/l  
 RT: 3.69 min Scan# 416  
 Delta R.T. 0.00 min  
 Lab File: VX011449.D  
 Acq: 11 Aug 2019 23:15

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 98      | 7.2   | 3.9   | 11.5  |
| 100     | 5.0   | 2.7   | 8.1   |





#25

2-Butanone

Concen: 106.182 ug/l

RT: 4.66 min Scan# 575

Delta R.T. -0.01 min

Lab File: VX011449.D

Acq: 11 Aug 2019 23:15

Instrument :

MSVOA\_X

ClientSampleId :

VX0811WBSD02

Tot Ion: 43 Resp: 117980

Ion Ratio Lower Upper

43 100

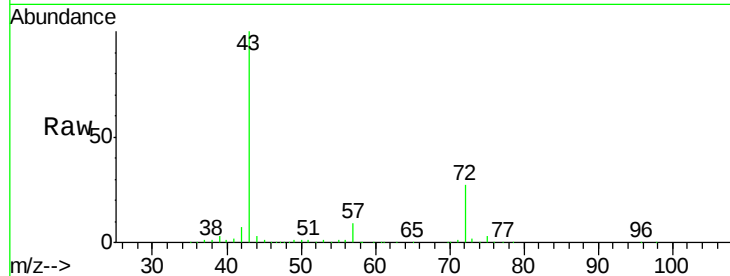
72 27.1 23.2 34.8

Manual Integrations

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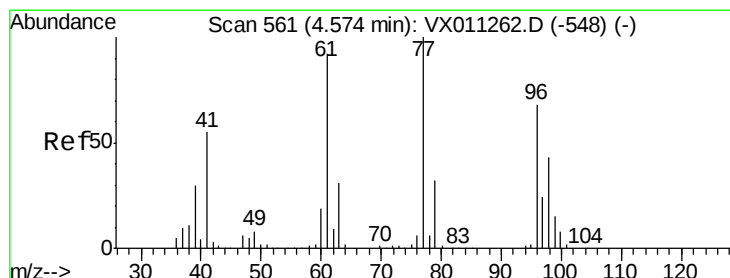
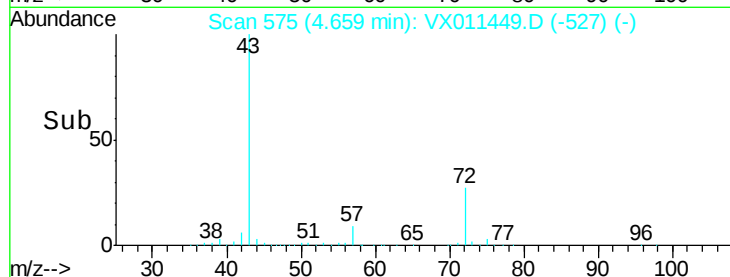
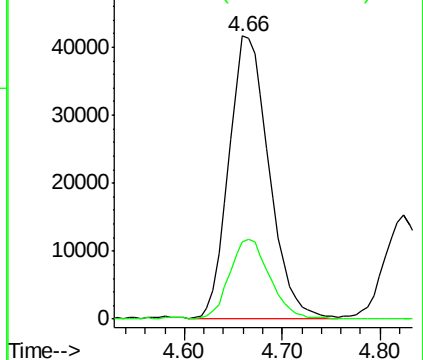
MMDadoda

8/12/2019 10:30:04 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 15.254 ug/l

RT: 4.57 min Scan# 561

Delta R.T. 0.00 min

Lab File: VX011449.D

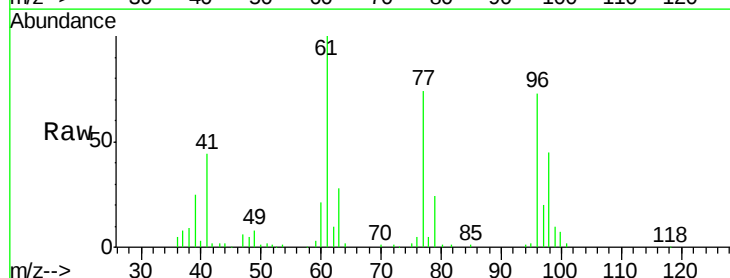
Acq: 11 Aug 2019 23:15

Tgt Ion: 77 Resp: 30375

Ion Ratio Lower Upper

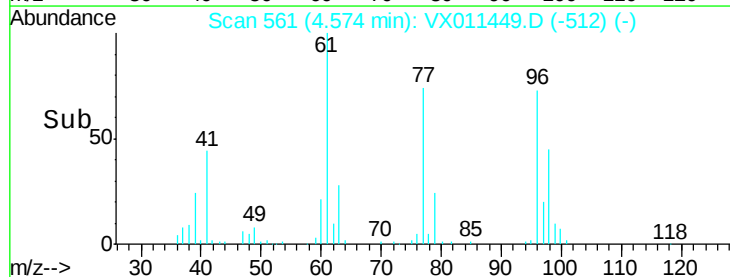
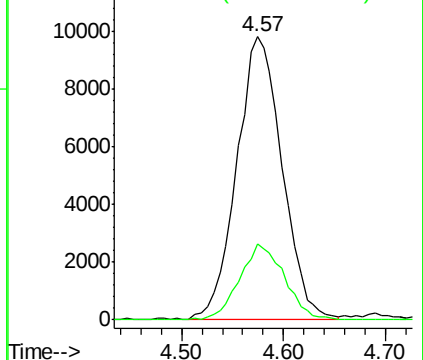
77 100

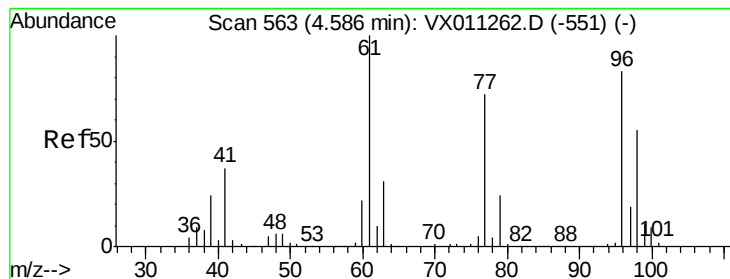
97 26.3 12.8 38.4



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

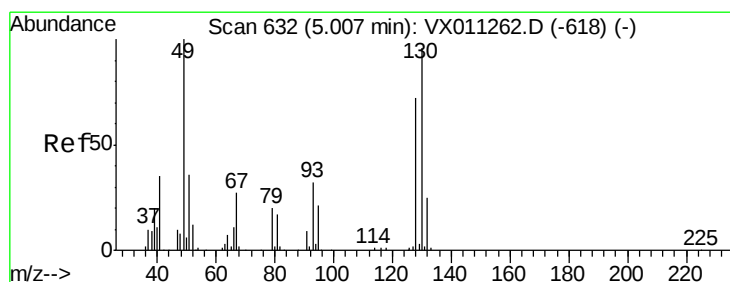
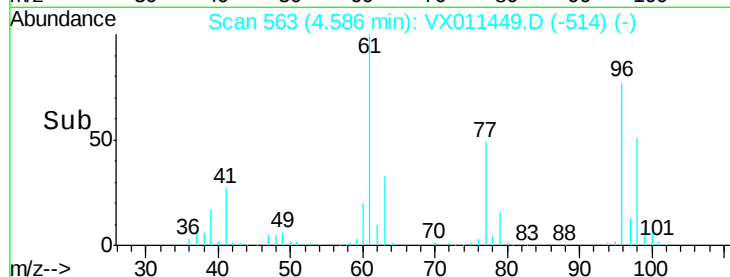
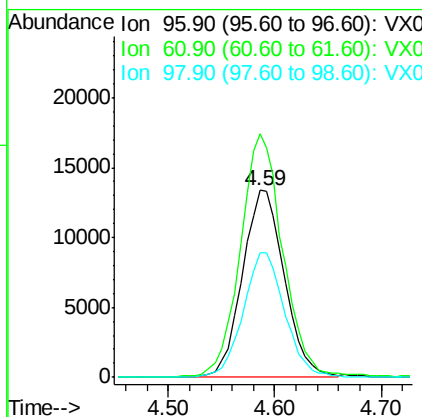
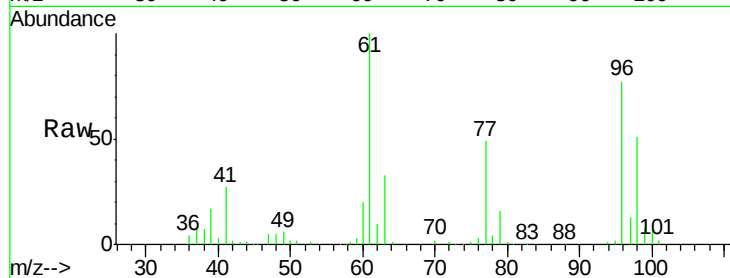
cis-1,2-Dichloroethene  
 Concen: 20.482 ug/l  
 RT: 4.59 min Scan# 563  
 Delta R.T. 0.00 min  
 Lab File: VX011449.D  
 Acq: 11 Aug 2019 23:15

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0811WBSD02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 132.7 | 0.0   | 260.2 |
| 98      | 65.8  | 0.0   | 133.2 |

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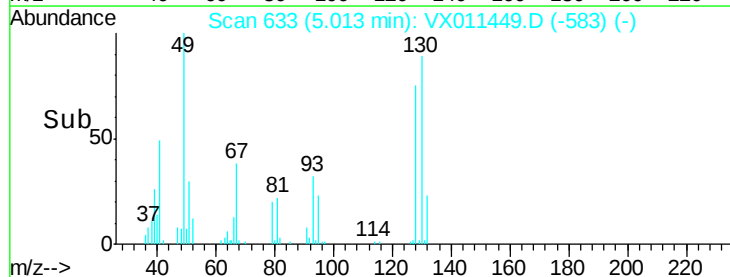
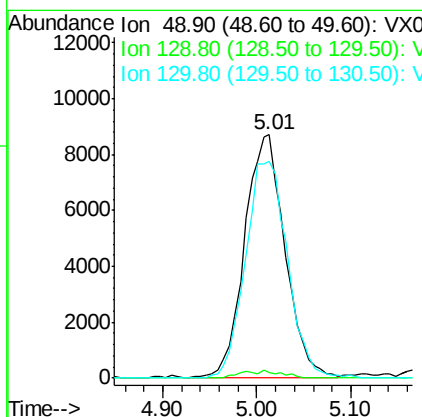
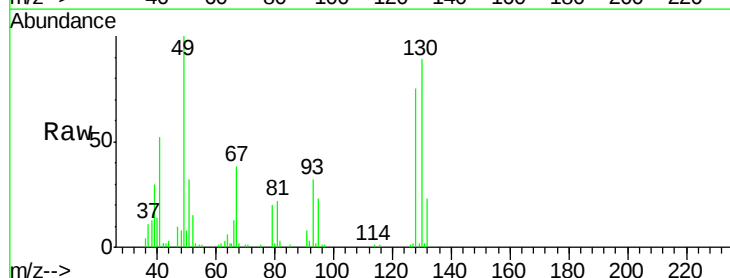
MMDadoda  
 8/12/2019 10:30:04 AM

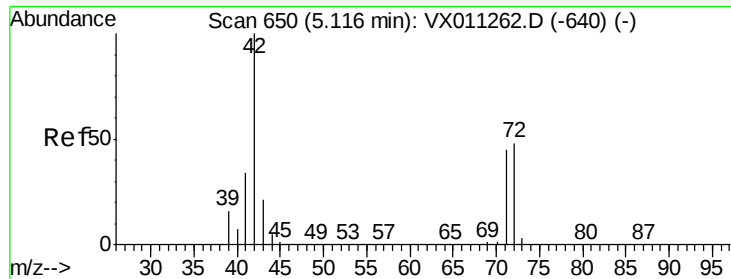


#28

Bromochloromethane  
 Concen: 22.355 ug/l  
 RT: 5.01 min Scan# 633  
 Delta R.T. 0.01 min  
 Lab File: VX011449.D  
 Acq: 11 Aug 2019 23:15

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 49      | 100   |       |       |
| 129     | 0.0   | 0.0   | 5.8   |
| 130     | 92.9  | 77.9  | 116.9 |





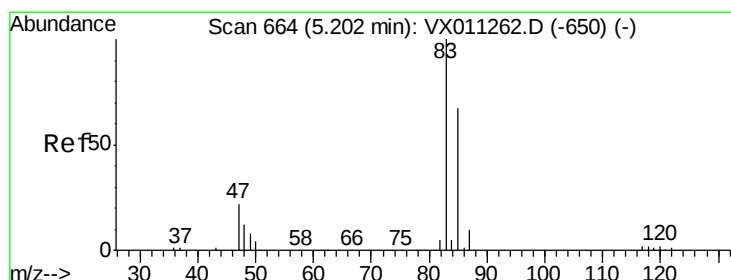
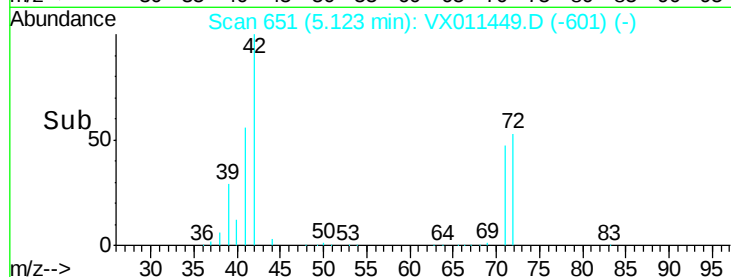
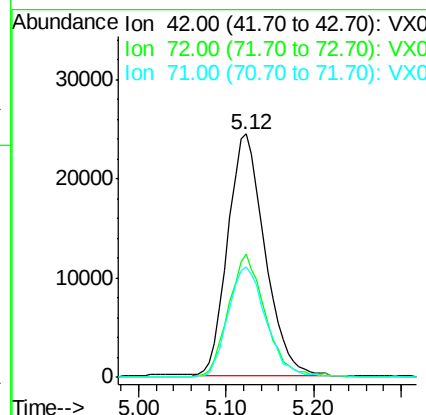
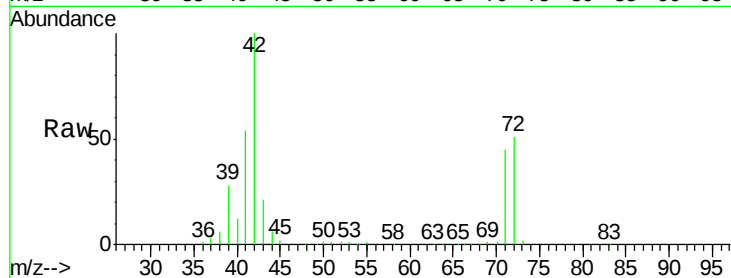
#29  
Tetrahydrofuran  
Concen: 106.090 ug/l  
RT: 5.12 min Scan# 651  
Delta R.T. 0.01 min  
Lab File: VX011449.D  
Acq: 11 Aug 2019 23:15

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0811WBSD02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 51.0  | 39.9  | 59.9  |
| 71      | 46.8  | 36.9  | 55.3  |

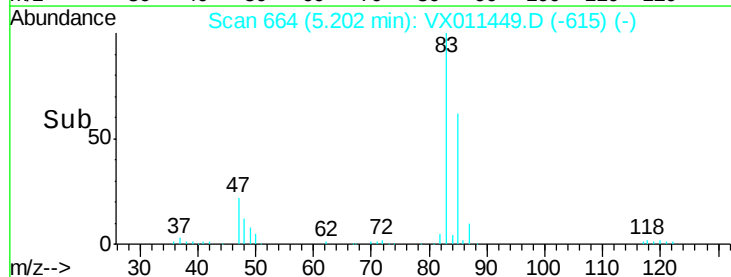
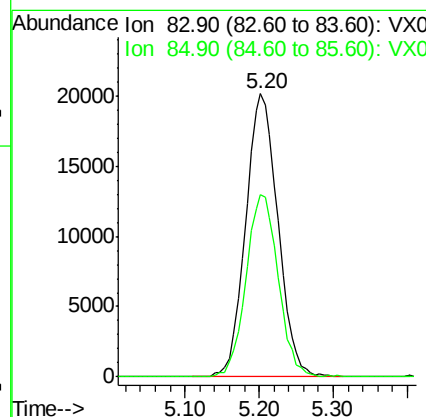
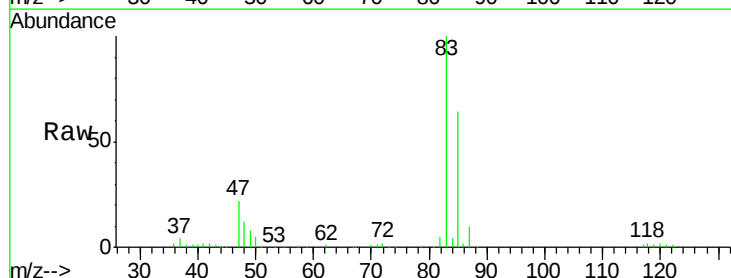
Manual Integrations  
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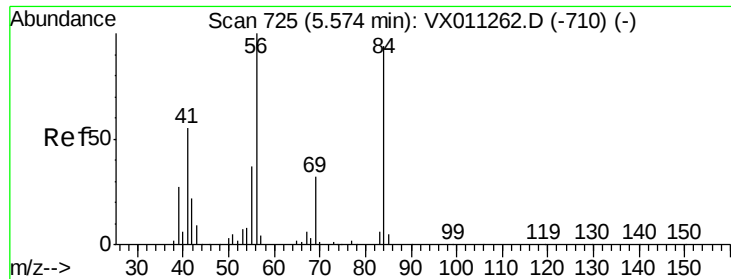
MMDadoda  
8/12/2019 10:30:04 AM



#30  
Chloroform  
Concen: 21.989 ug/l  
RT: 5.20 min Scan# 664  
Delta R.T. 0.00 min  
Lab File: VX011449.D  
Acq: 11 Aug 2019 23:15

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 64.3  | 53.4  | 80.0  |





#31

Cyclohexane

Concen: 19.968 ug/l

RT: 5.57 min Scan# 725

Delta R.T. 0.00 min

Lab File: VX011449.D

Acq: 11 Aug 2019 23:15

Instrument :

MSVOA\_X

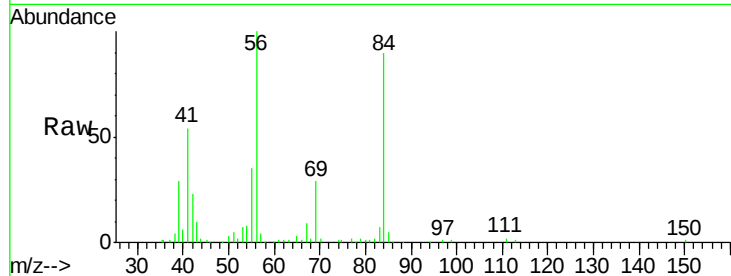
ClientSampleId :

VX0811WBSD02

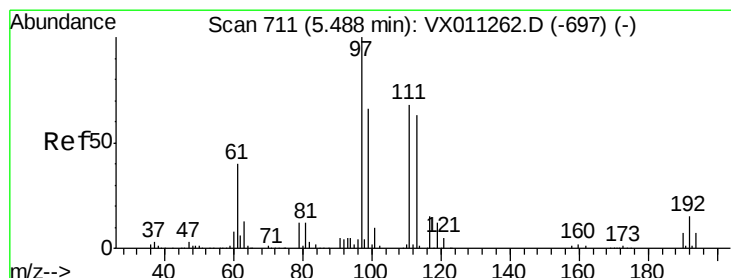
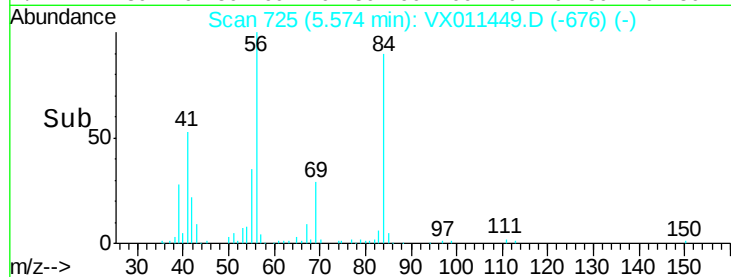
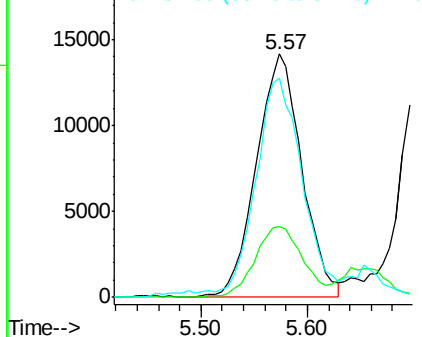
|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 56    | Resp: | 42198 |
| Ion Ratio | Lower | Upper |       |
| 56        | 100   |       |       |
| 69        | 29.0  | 25.5  | 38.3  |
| 84        | 87.2  | 75.0  | 112.4 |

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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: 21.975 ug/l

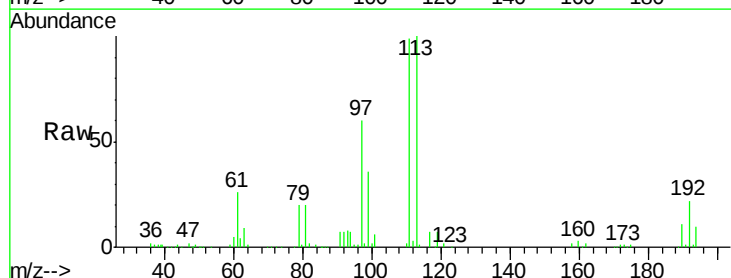
RT: 5.49 min Scan# 711

Delta R.T. 0.00 min

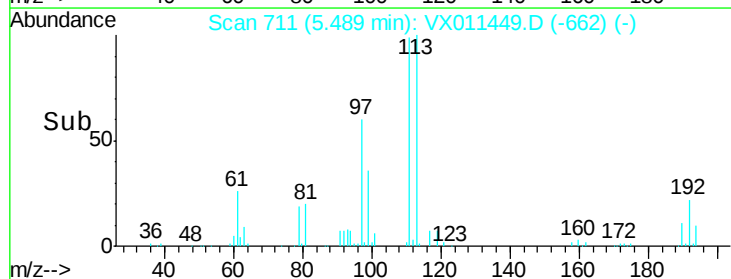
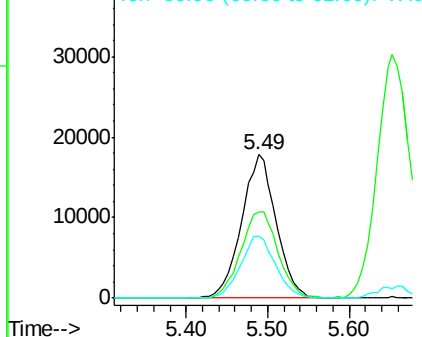
Lab File: VX011449.D

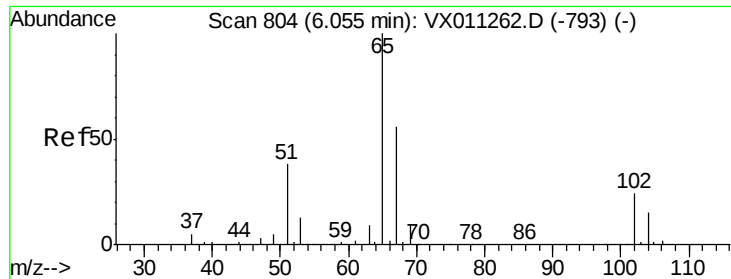
Acq: 11 Aug 2019 23:15

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 97    | Resp: | 52409 |
| Ion Ratio | Lower | Upper |       |
| 97        | 100   |       |       |
| 99        | 64.6  | 51.6  | 77.4  |
| 61        | 43.8  | 32.3  | 48.5  |



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





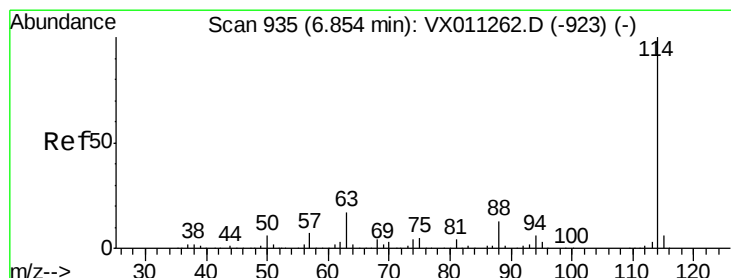
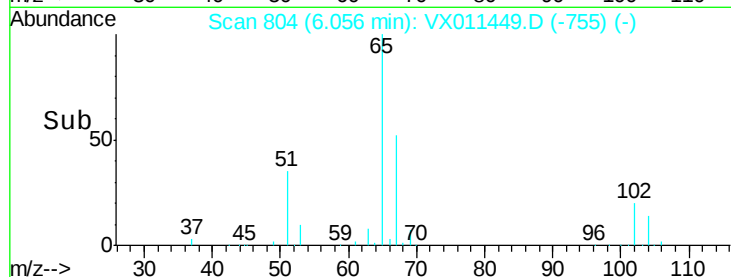
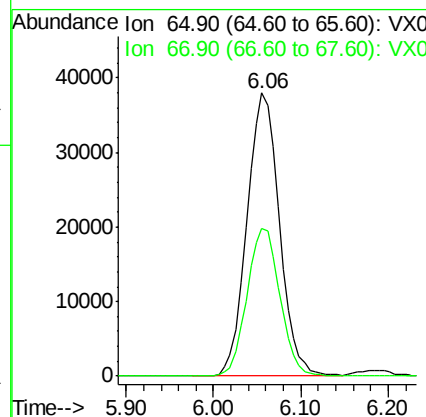
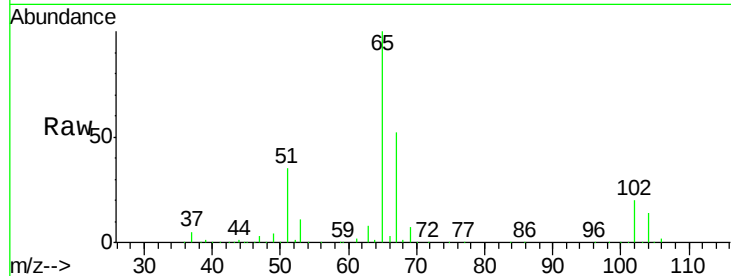
#33  
 1,2-Dichloroethane-d4  
 Concen: 59.737 ug/l  
 RT: 6.06 min Scan# 804  
 Delta R.T. 0.00 min  
 Lab File: VX011449.D  
 Acq: 11 Aug 2019 23:15

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0811WBSD02

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 65      | 100   | 98031 |       |       |
| 67      | 53.1  | 0.0   | 110.6 |       |

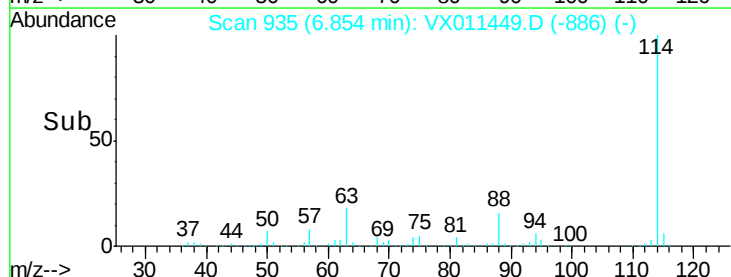
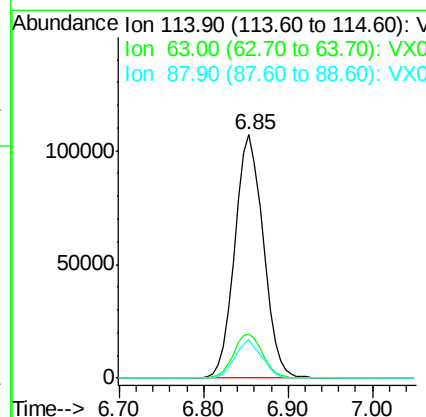
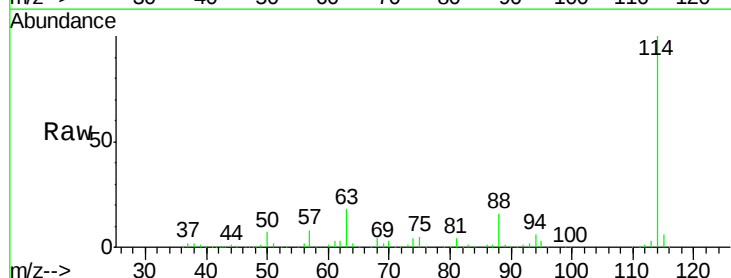
Manual Integrations  
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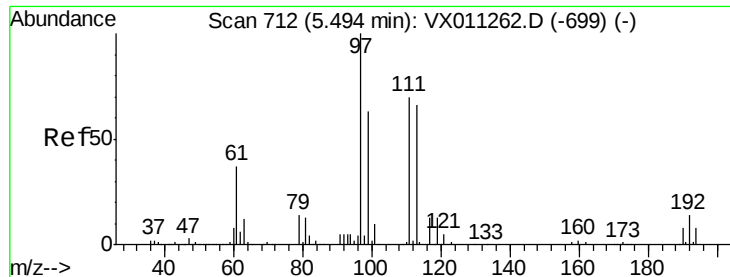
MMDadoda  
 8/12/2019 10:30:04 AM



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.85 min Scan# 935  
 Delta R.T. 0.00 min  
 Lab File: VX011449.D  
 Acq: 11 Aug 2019 23:15

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 114     | 100   | 245486 |       |       |
| 63      | 18.2  | 0.0    | 34.0  |       |
| 88      | 15.7  | 0.0    | 26.4  |       |





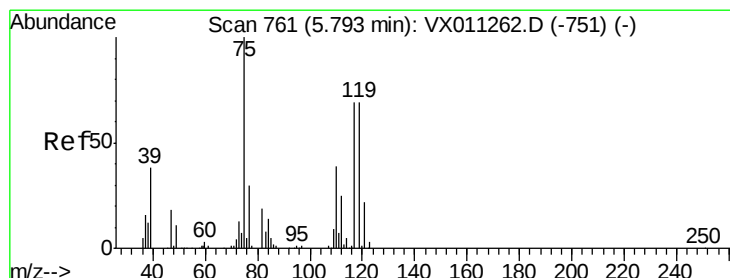
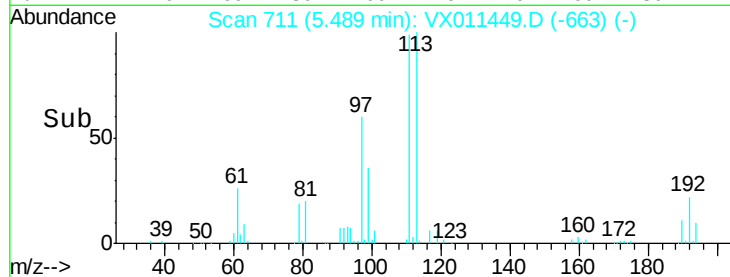
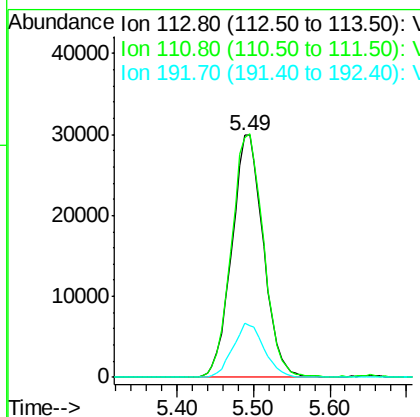
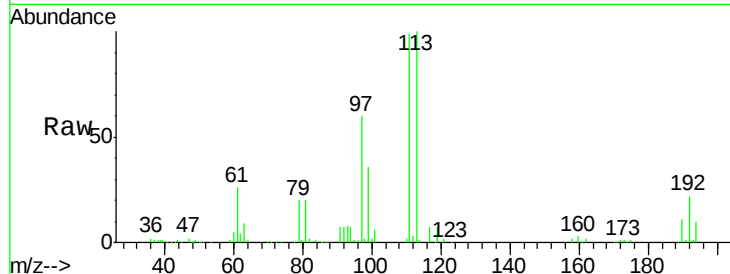
#35  
 Dibromofluoromethane  
 Concen: 53.380 ug/l  
 RT: 5.49 min Scan# 711  
 Delta R.T. -0.01 min  
 Lab File: VX011449.D  
 Acq: 11 Aug 2019 23:15

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0811WBSD02

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 113     | 100   | 85554 |       |       |
| 111     | 102.0 |       | 81.9  | 122.9 |
| 192     | 21.9  |       | 17.8  | 26.8  |

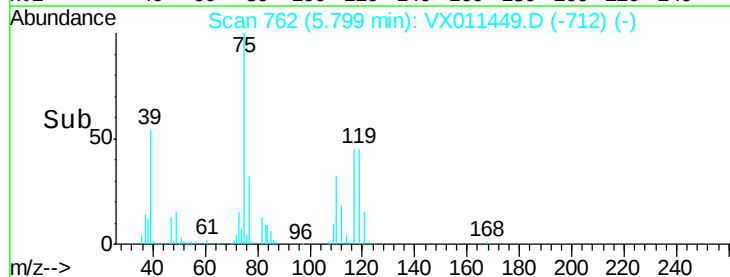
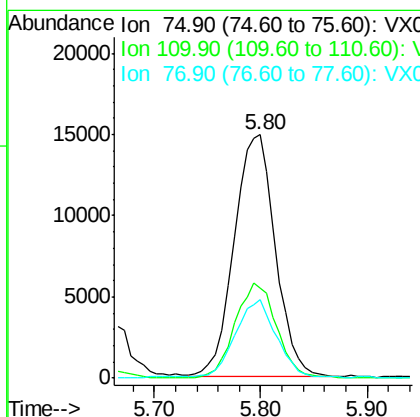
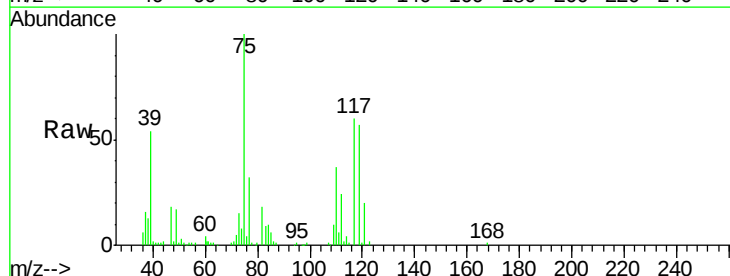
Manual Integrations  
 APPROVED

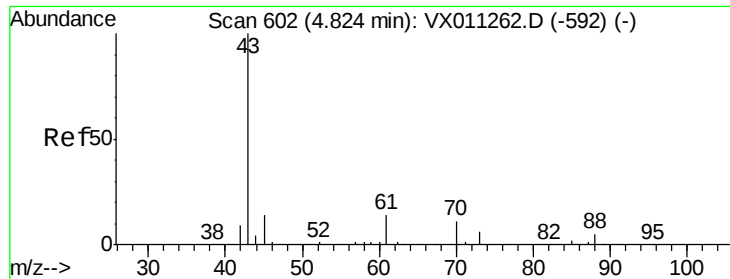
MMDadoda  
 8/12/2019 10:30:04 AM



#36  
 1,1-Dichloropropene  
 Concen: 18.913 ug/l  
 RT: 5.80 min Scan# 762  
 Delta R.T. 0.01 min  
 Lab File: VX011449.D  
 Acq: 11 Aug 2019 23:15

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 75      | 100   | 40536 |       |       |
| 110     | 39.5  |       | 20.0  | 59.9  |
| 77      | 31.8  |       | 24.8  | 37.2  |





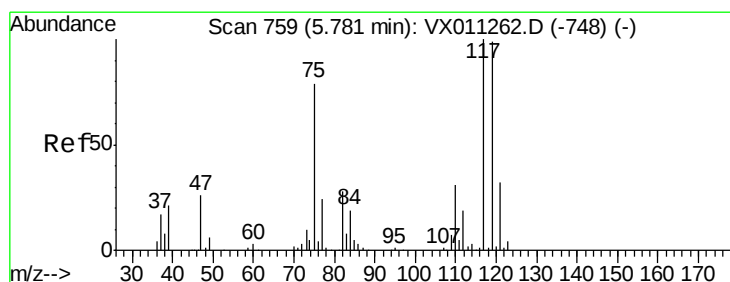
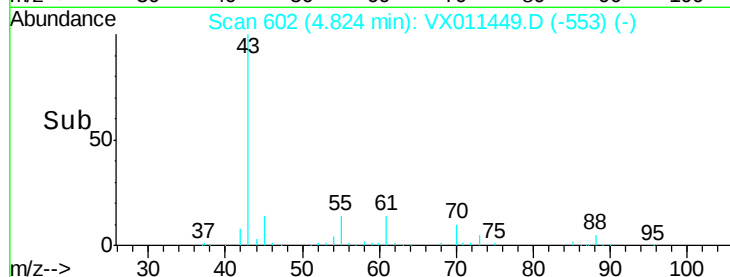
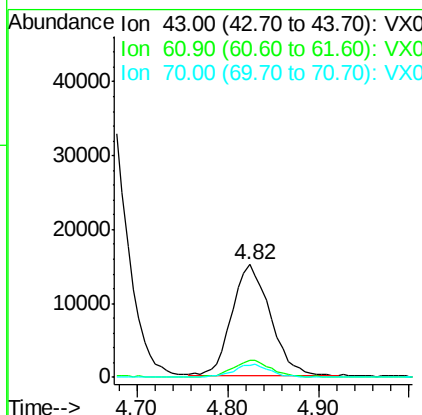
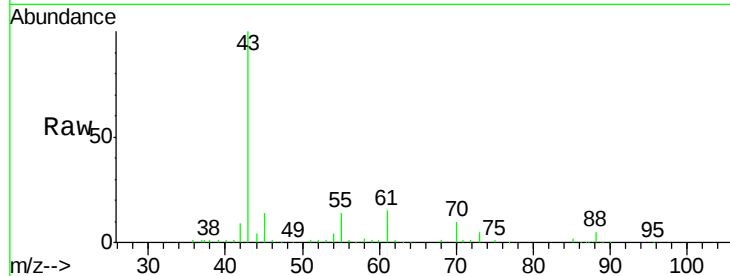
#37  
Ethyl Acetate  
Concen: 20.788 ug/l  
RT: 4.82 min Scan# 602  
Delta R.T. 0.00 min  
Lab File: VX011449.D  
Acq: 11 Aug 2019 23:15

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0811WBSD02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 15.6  | 12.6  | 18.8  |
| 70      | 11.3  | 9.1   | 13.7  |

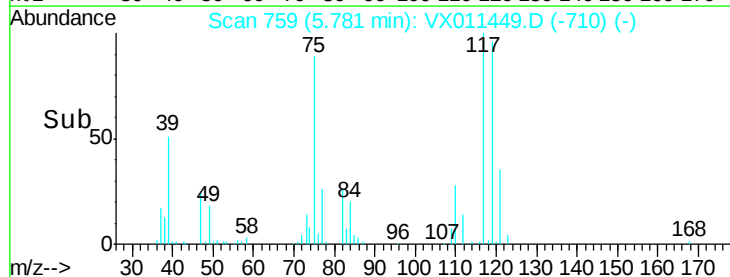
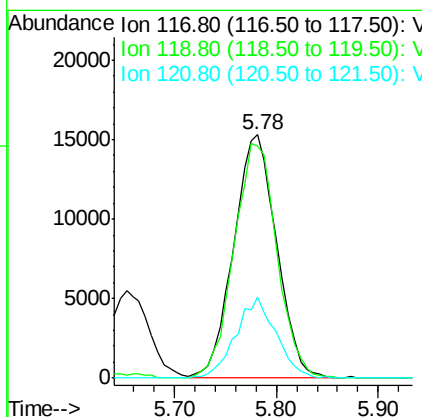
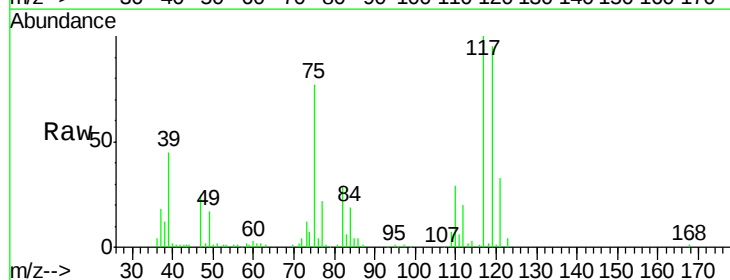
Manual Integrations  
APPROVED

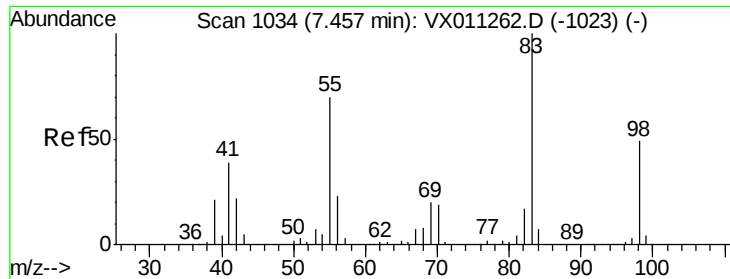
MMDadoda  
8/12/2019 10:30:04 AM



#38  
Carbon Tetrachloride  
Concen: 20.790 ug/l  
RT: 5.78 min Scan# 759  
Delta R.T. 0.00 min  
Lab File: VX011449.D  
Acq: 11 Aug 2019 23:15

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 95.4  | 79.0  | 118.4 |
| 121     | 33.1  | 25.9  | 38.9  |





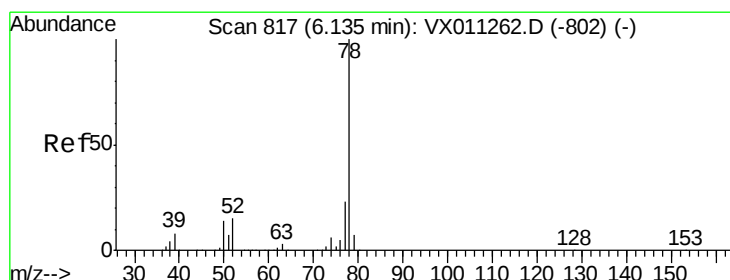
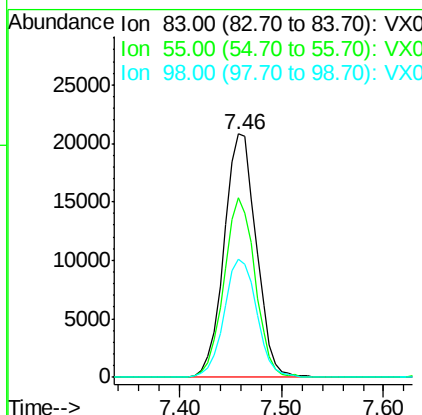
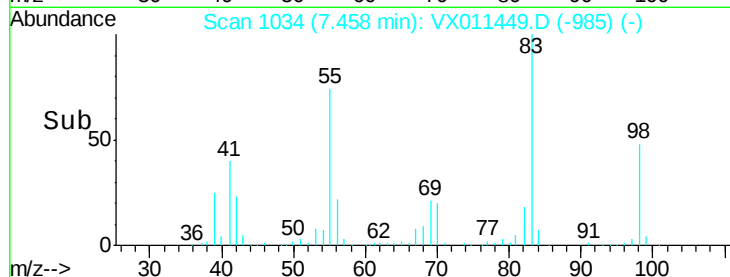
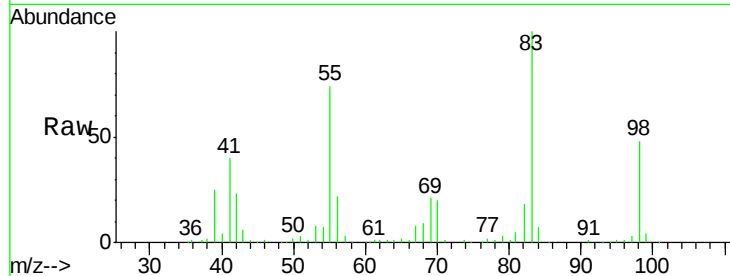
#39  
Methylvlcyclohexane  
Concen: 17.917 ug/l  
RT: 7.46 min Scan# 1034  
Delta R.T. 0.00 min  
Lab File: VX011449.D  
Acq: 11 Aug 2019 23:15

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0811WBSD02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 73.3  | 56.1  | 84.1  |
| 98      | 48.4  | 39.0  | 58.4  |

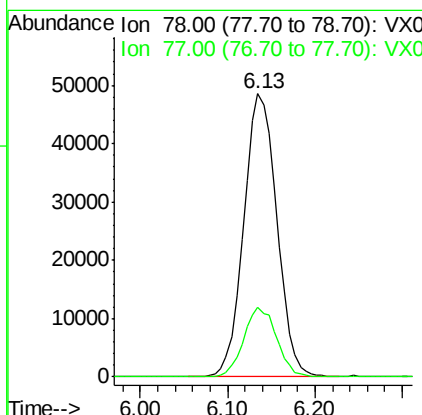
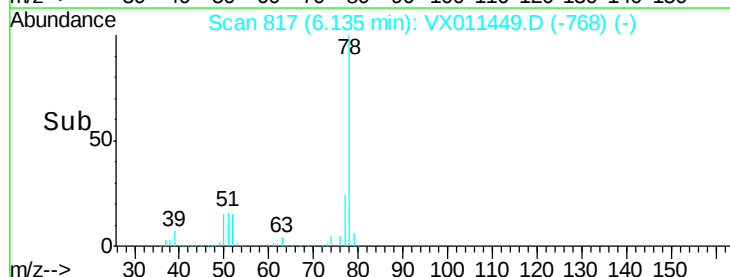
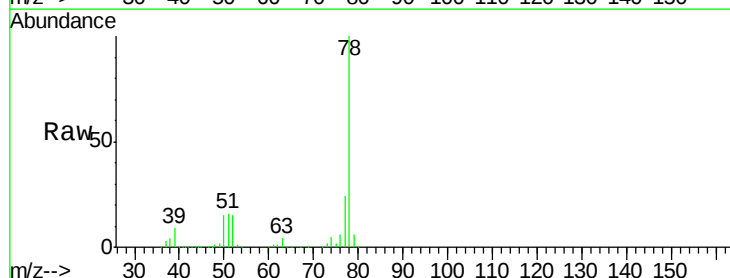
Manual Integrations  
APPROVED

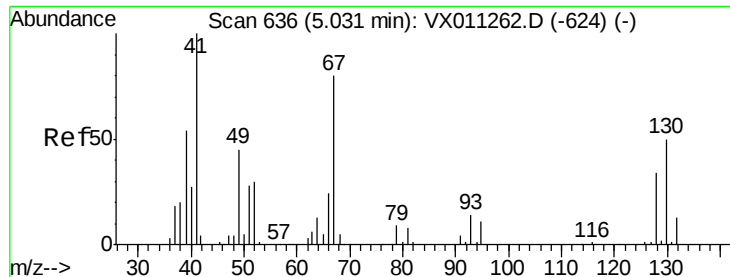
MMDadoda  
8/12/2019 10:30:04 AM



#40  
Benzene  
Concen: 19.994 ug/l  
RT: 6.13 min Scan# 817  
Delta R.T. 0.00 min  
Lab File: VX011449.D  
Acq: 11 Aug 2019 23:15

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 24.4  | 18.2  | 27.2  |





#41

Methacrylonitrile

Concen: 20.934 ug/l

RT: 5.03 min Scan# 636

Delta R.T. 0.00 min

Lab File: VX011449.D

Acq: 11 Aug 2019 23:15

Instrument :

MSVOA\_X

ClientSampleId :

VX0811WBSD02

Tot Ion: 41 Resp: 24579

Ion Ratio Lower Upper

41 100

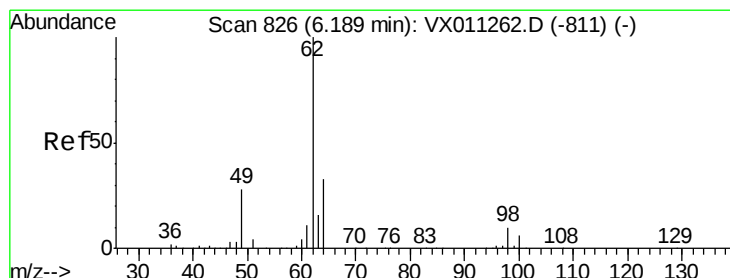
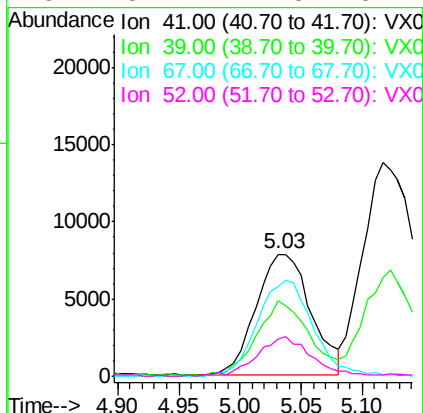
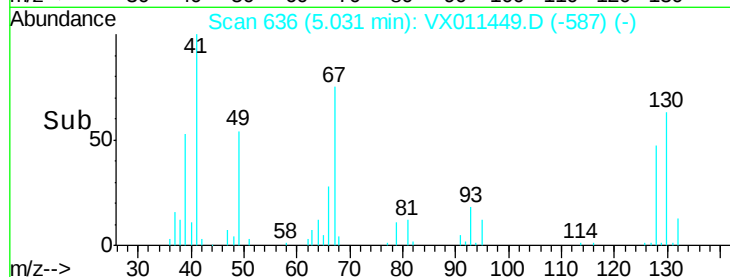
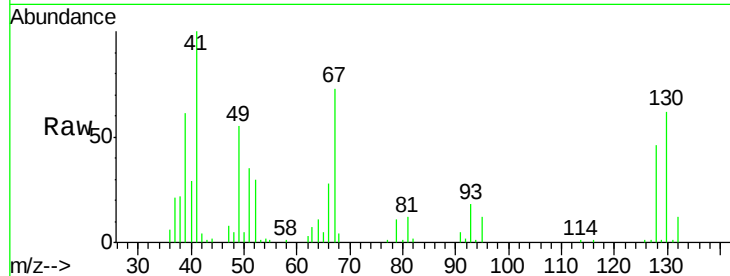
39 59.5 43.0 64.6

67 79.9 65.1 97.7

52 32.4 24.8 37.2

Manual Integrations  
APPROVED

MMDadoda  
8/12/2019 10:30:04 AM



#42

1,2-Dichloroethane

Concen: 22.343 ug/l

RT: 6.18 min Scan# 825

Delta R.T. -0.01 min

Lab File: VX011449.D

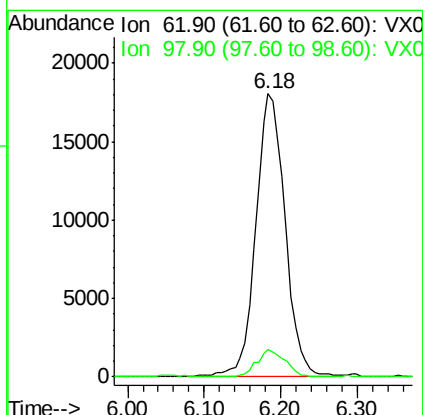
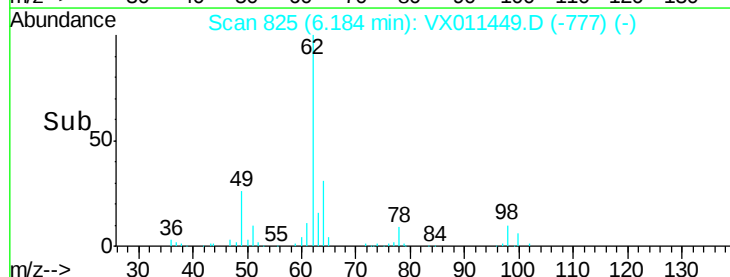
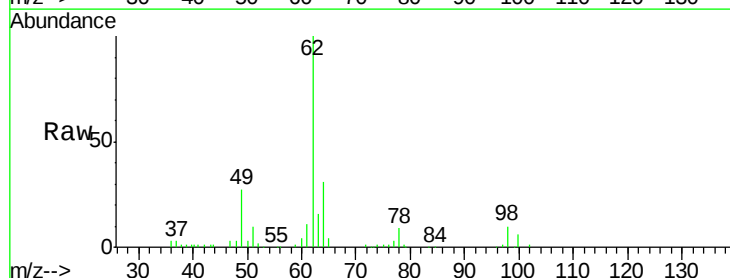
Acq: 11 Aug 2019 23:15

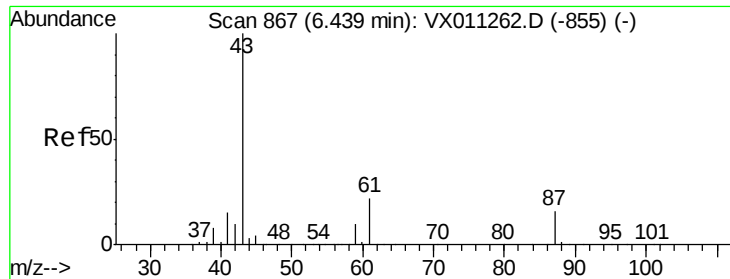
Tgt Ion: 62 Resp: 48322

Ion Ratio Lower Upper

62 100

98 9.5 0.0 20.6





#43

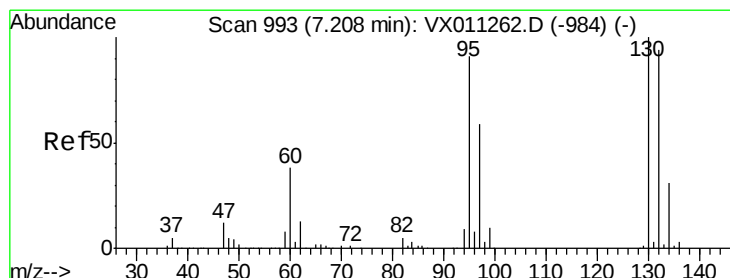
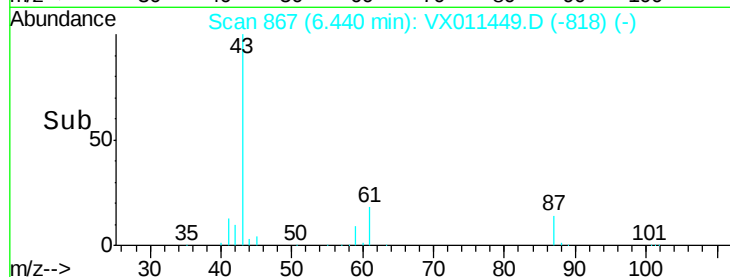
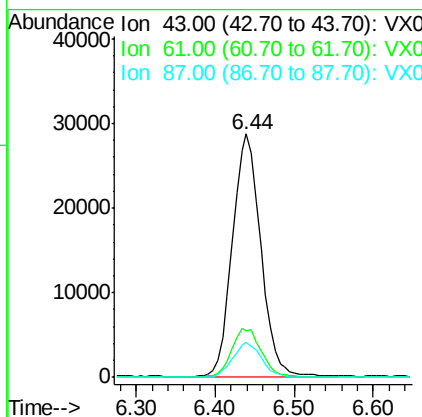
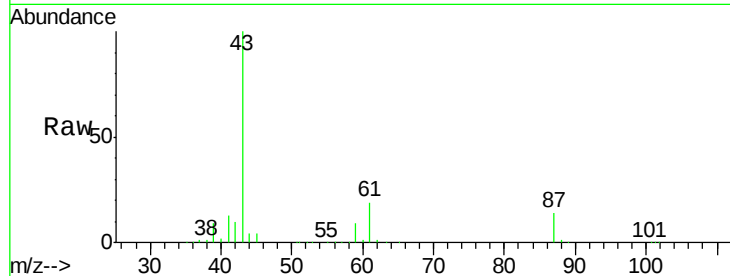
Isopropyl Acetate  
 Concen: 20.826 ug/l  
 RT: 6.44 min Scan# 867  
 Delta R.T. 0.00 min  
 Lab File: VX011449.D  
 Acq: 11 Aug 2019 23:15

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0811WBSD02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 21.2  | 16.5  | 24.7  |
| 87      | 14.8  | 12.1  | 18.1  |

Manual Integrations  
 APPROVED

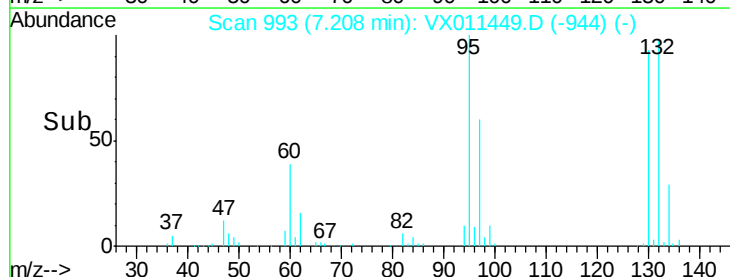
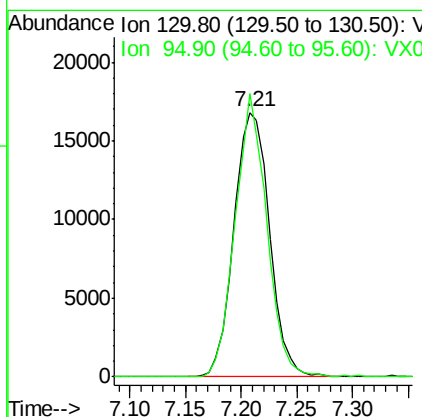
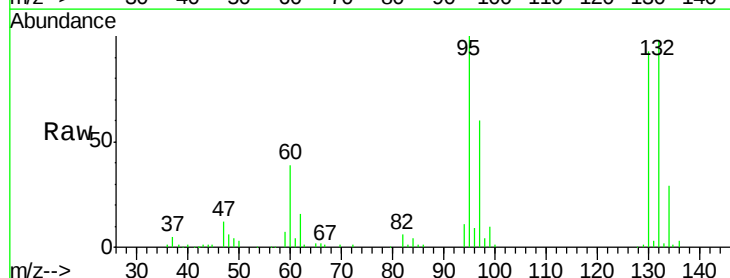
MMDadoda  
 8/12/2019 10:30:04 AM

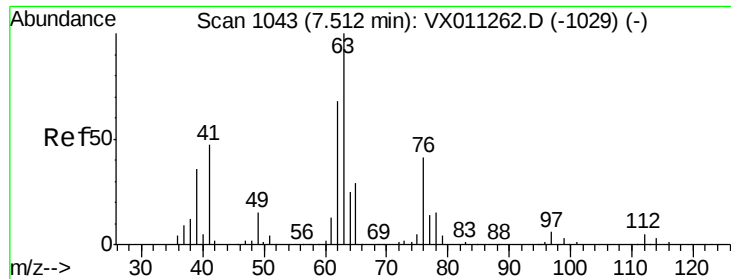


#44

Trichloroethene  
 Concen: 19.290 ug/l  
 RT: 7.21 min Scan# 993  
 Delta R.T. 0.00 min  
 Lab File: VX011449.D  
 Acq: 11 Aug 2019 23:15

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 130     | 100   |       |       |
| 95      | 107.1 | 0.0   | 182.6 |





#45

1,2-Dichloropropane

Concen: 20.063 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. 0.00 min

Lab File: VX011449.D

Acq: 11 Aug 2019 23:15

Instrument :

MSVOA\_X

ClientSampleId :

VX0811WBSD02

Tot Ion: 63 Resp: 33233

Ion Ratio Lower Upper

63 100

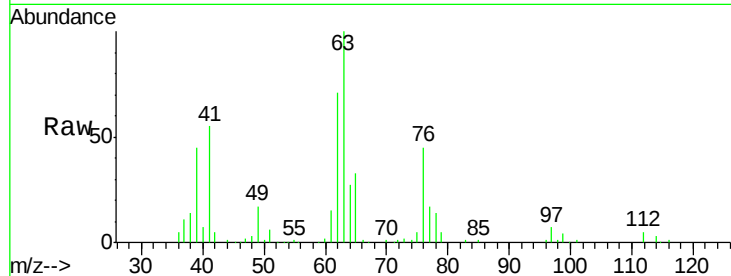
65 32.5 23.3 34.9

Manual Integrations

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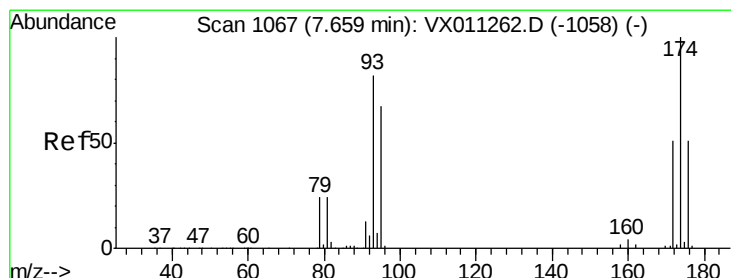
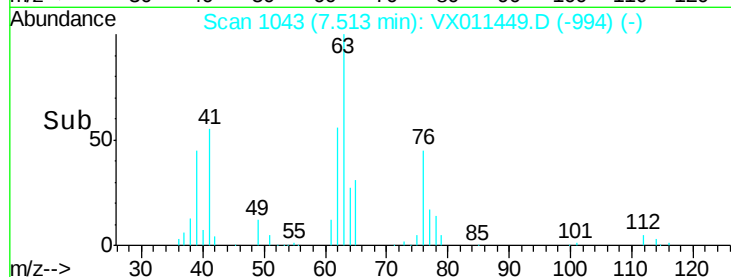
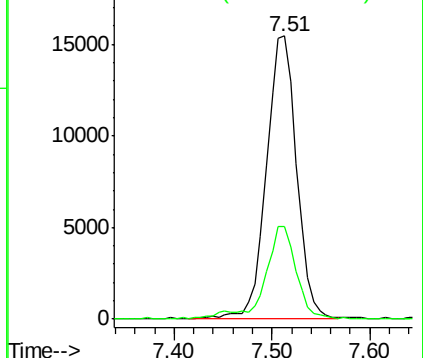
MMDadoda

8/12/2019 10:30:04 AM



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 20.437 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VX011449.D

Acq: 11 Aug 2019 23:15

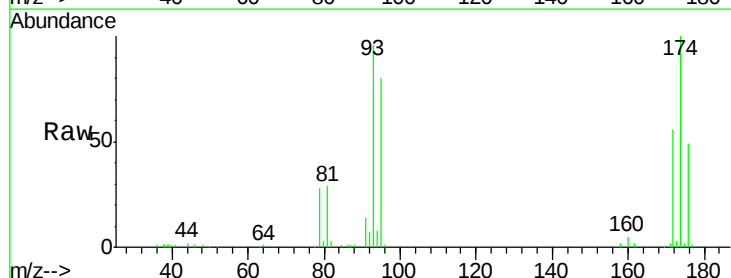
Tgt Ion: 93 Resp: 24712

Ion Ratio Lower Upper

93 100

95 81.5 66.4 99.6

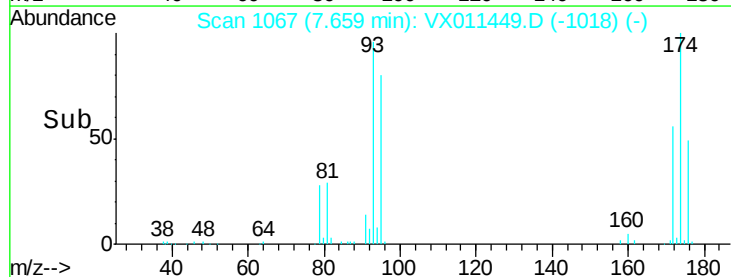
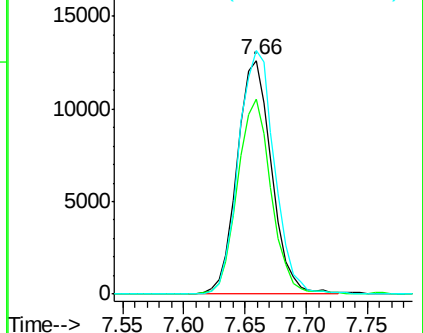
174 108.2 93.4 140.2

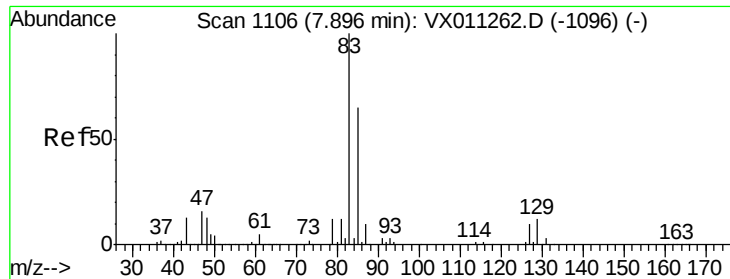


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





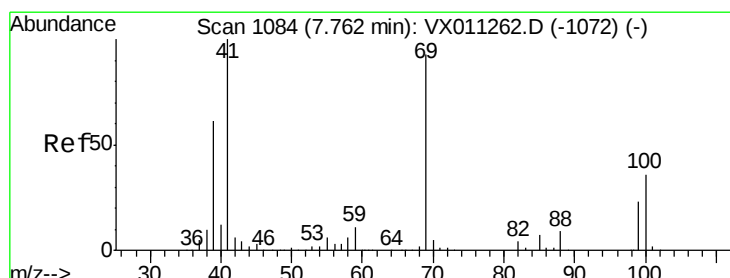
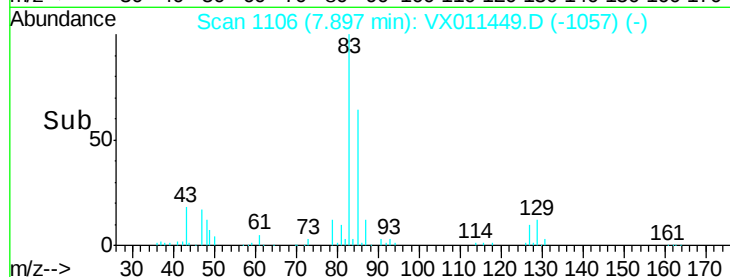
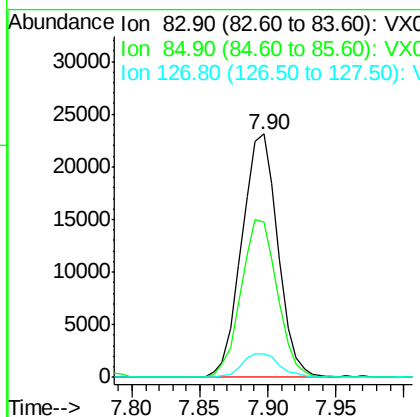
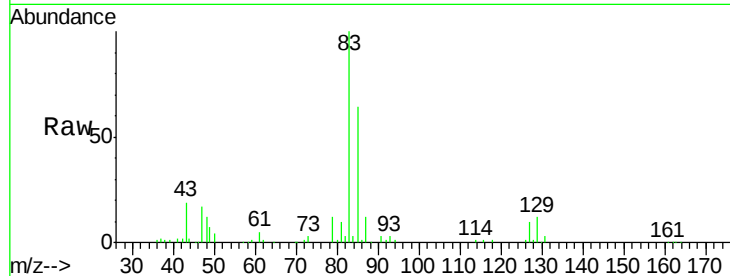
#47  
 Bromodichloromethane  
 Concen: 20.998 ug/l  
 RT: 7.90 min Scan# 1106  
 Delta R.T. 0.00 min  
 Lab File: VX011449.D  
 Acq: 11 Aug 2019 23:15

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0811WBSD02

| Tot Ion   | 83   | Resp  | 42988 |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 83        | 100  |       |       |
| 85        | 64.0 | 52.2  | 78.2  |
| 127       | 9.9  | 7.8   | 11.8  |

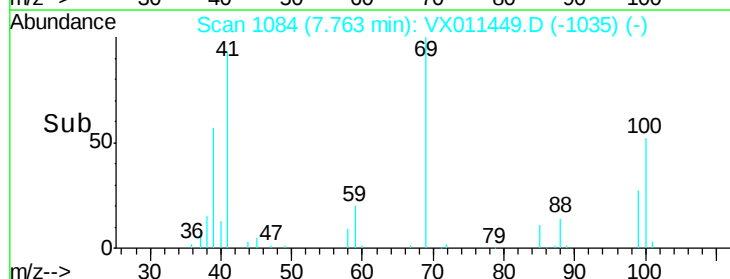
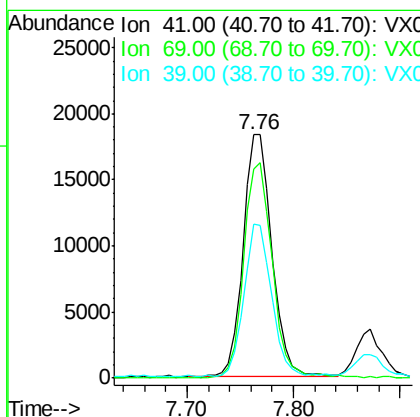
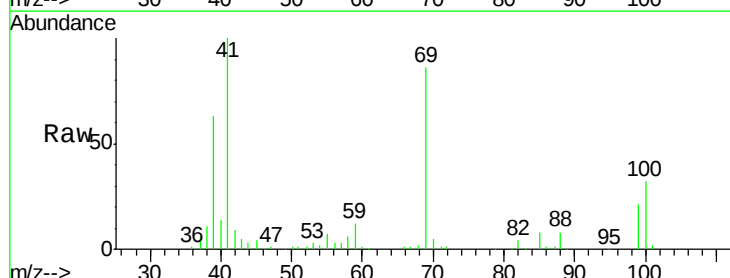
Manual Integrations  
 APPROVED

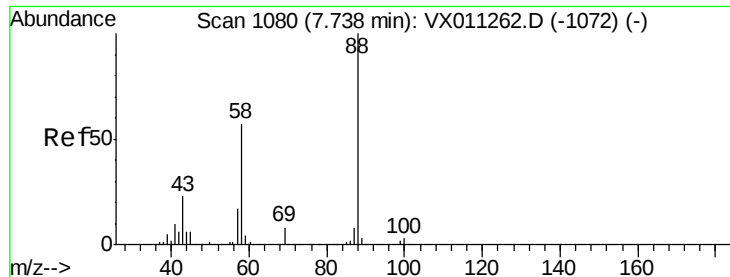
MMDadoda  
 8/12/2019 10:30:04 AM



#48  
 Methyl methacrylate  
 Concen: 21.701 ug/l  
 RT: 7.76 min Scan# 1084  
 Delta R.T. 0.00 min  
 Lab File: VX011449.D  
 Acq: 11 Aug 2019 23:15

| Tgt Ion   | 41   | Resp  | 35104 |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 41        | 100  |       |       |
| 69        | 88.6 | 74.5  | 111.7 |
| 39        | 60.4 | 48.6  | 72.8  |





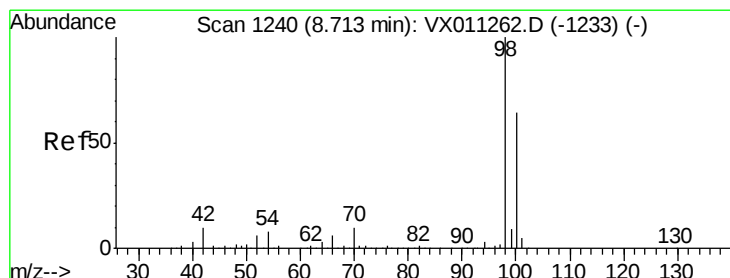
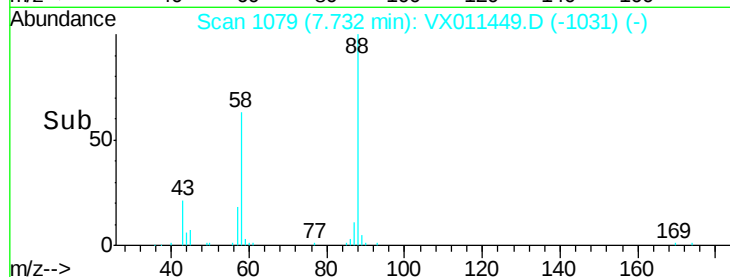
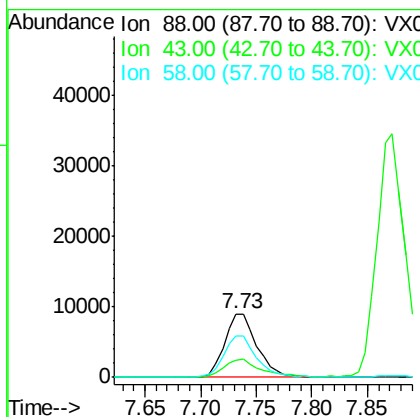
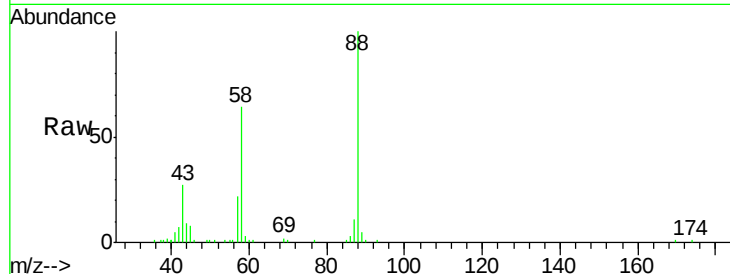
#49  
 1,4-Dioxane  
 Concen: 385.431 ug/l  
 RT: 7.73 min Scan# 1079  
 Delta R.T. -0.01 min  
 Lab File: VX011449.D  
 Acq: 11 Aug 2019 23:15

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0811WBSD02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 30.8  | 22.2  | 33.2  |
| 58      | 66.8  | 47.8  | 71.8  |

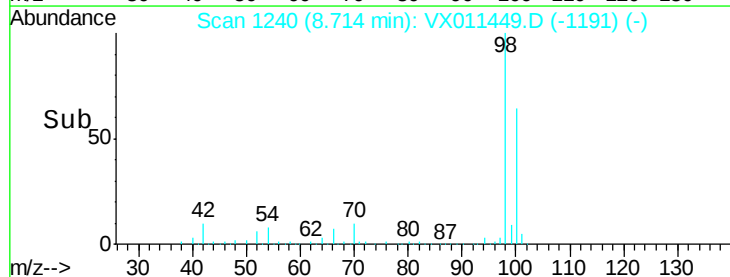
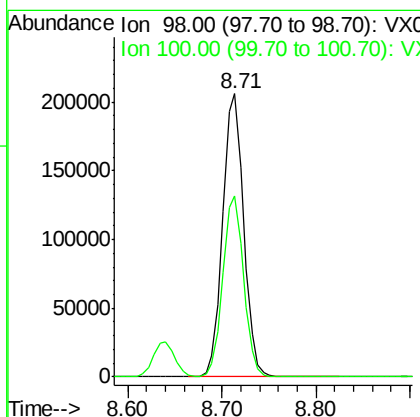
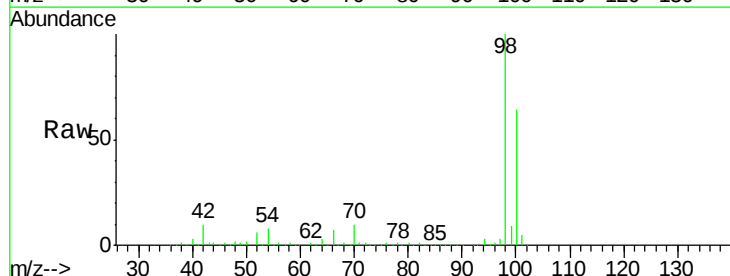
Manual Integrations  
 APPROVED

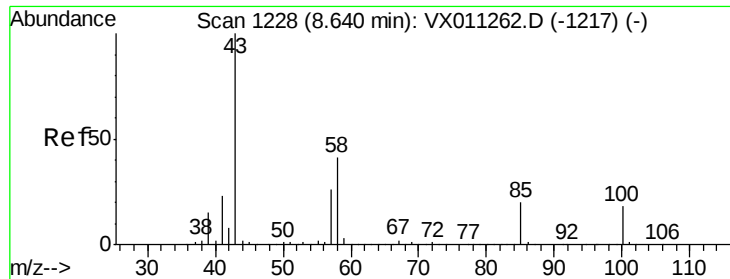
MMDadoda  
 8/12/2019 10:30:04 AM



#50  
 Toluene-d8  
 Concen: 52.336 ug/l  
 RT: 8.71 min Scan# 1240  
 Delta R.T. 0.00 min  
 Lab File: VX011449.D  
 Acq: 11 Aug 2019 23:15

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 63.5  | 51.7  | 77.5  |





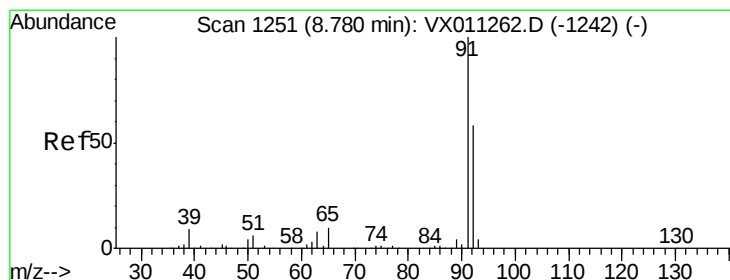
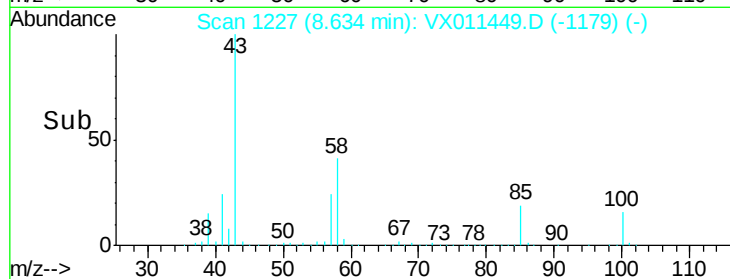
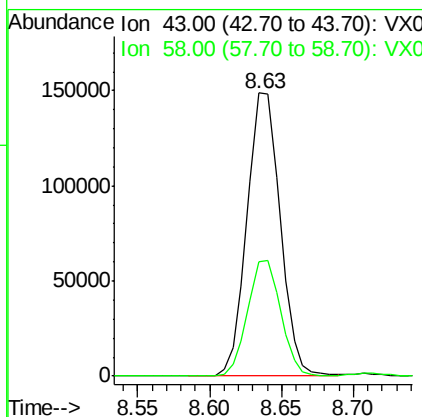
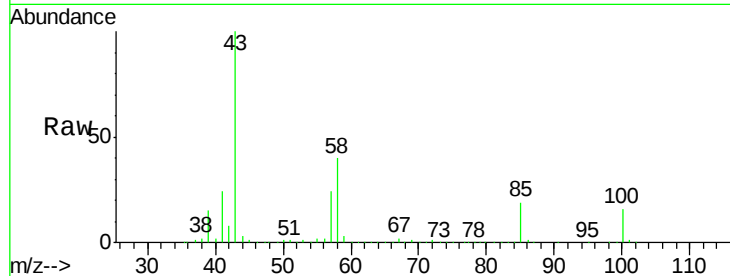
#51  
4-Methyl-2-Pentanone  
Concen: 106.901 ug/l  
RT: 8.63 min Scan# 1227  
Delta R.T. -0.01 min  
Lab File: VX011449.D  
Acq: 11 Aug 2019 23:15

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0811WBSD02

| Tot Ion | 43  | 58   | Resp | Lower | Upper |
|---------|-----|------|------|-------|-------|
| 237133  | 100 | 40.9 | 32.3 | 48.5  |       |

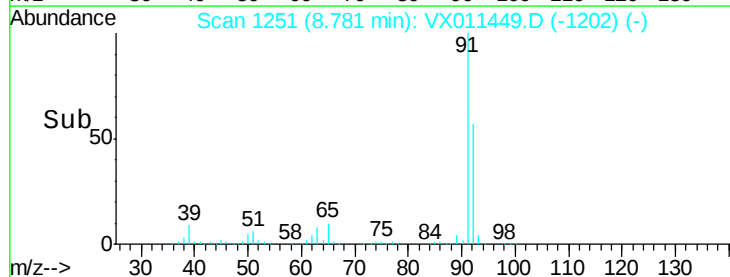
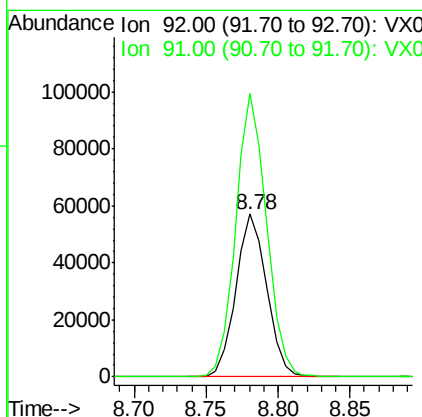
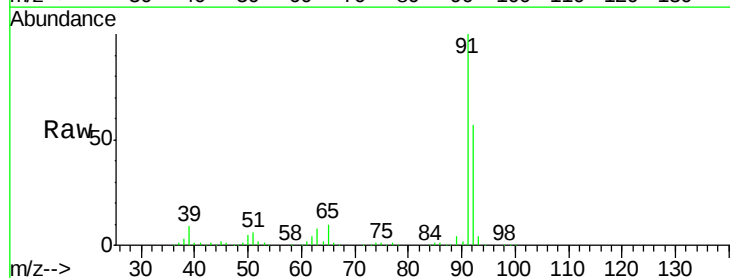
Manual Integrations  
APPROVED

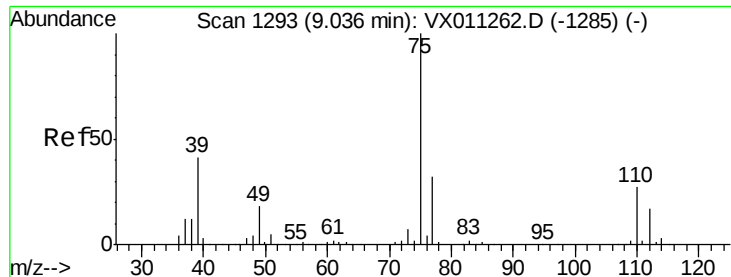
MMDadoda  
8/12/2019 10:30:04 AM



#52  
Toluene  
Concen: 20.111 ug/l  
RT: 8.78 min Scan# 1251  
Delta R.T. 0.00 min  
Lab File: VX011449.D  
Acq: 11 Aug 2019 23:15

| Tgt Ion | 92  | 91    | Resp  | Lower | Upper |
|---------|-----|-------|-------|-------|-------|
| 85044   | 100 | 173.6 | 139.4 | 209.0 |       |





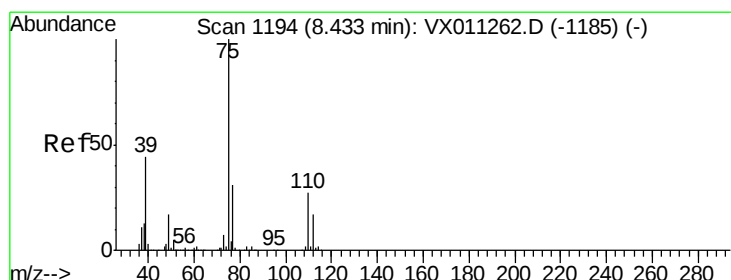
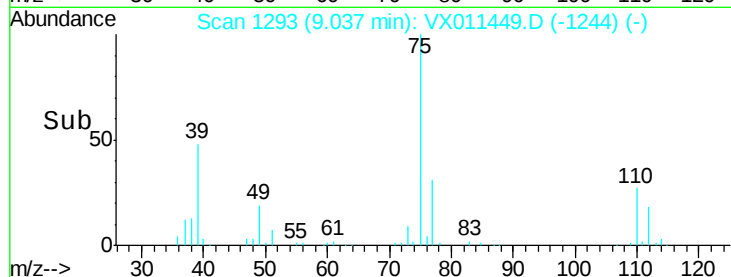
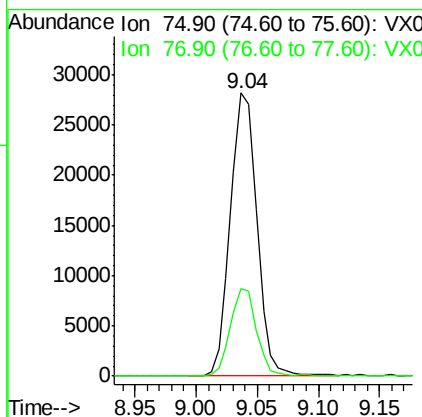
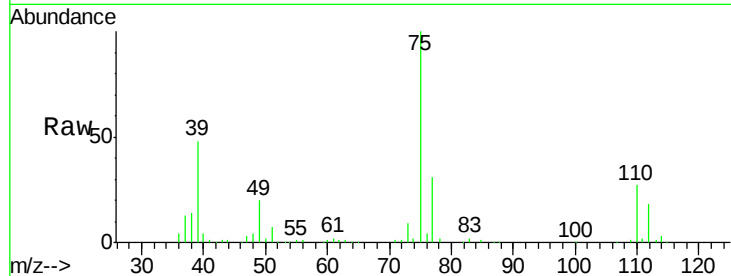
#53  
t-1,3-Dichloropropene  
Concen: 19.671 ug/l  
RT: 9.04 min Scan# 1293  
Delta R.T. 0.00 min  
Lab File: VX011449.D  
Acq: 11 Aug 2019 23:15

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0811WBSD02

Tot Ion: 75 Resp: 42548  
Ion Ratio Lower Upper  
75 100  
77 31.1 25.4 38.0

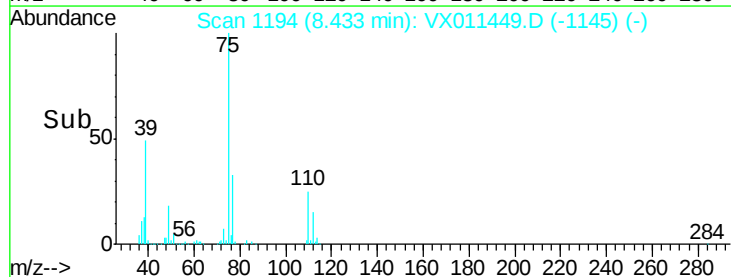
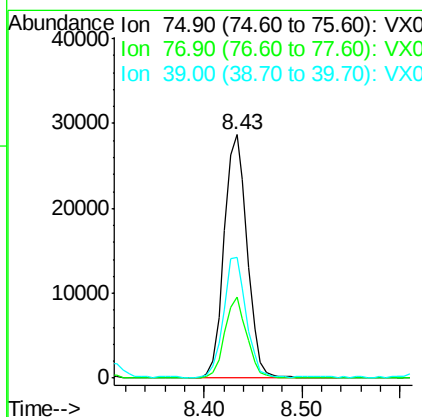
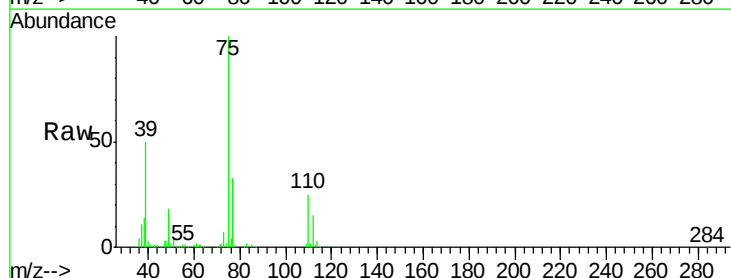
Manual Integrations  
APPROVED

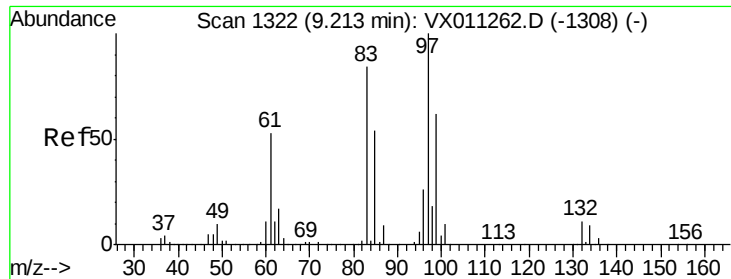
MMDadoda  
8/12/2019 10:30:04 AM



#54  
cis-1,3-Dichloropropene  
Concen: 19.645 ug/l  
RT: 8.43 min Scan# 1194  
Delta R.T. 0.00 min  
Lab File: VX011449.D  
Acq: 11 Aug 2019 23:15

Tgt Ion: 75 Resp: 46980  
Ion Ratio Lower Upper  
75 100  
77 33.2 25.0 37.6  
39 49.3 35.3 52.9





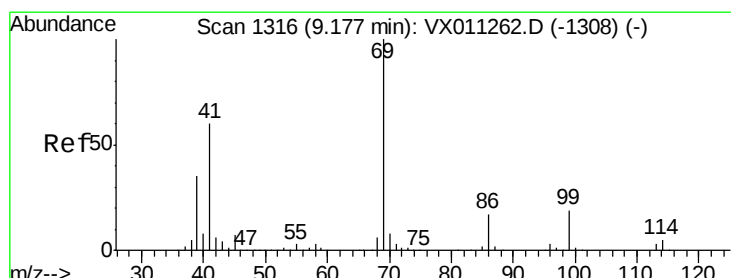
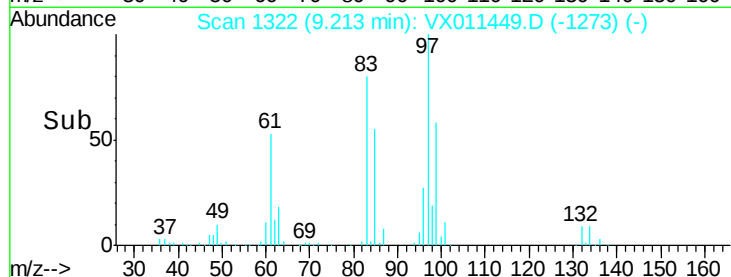
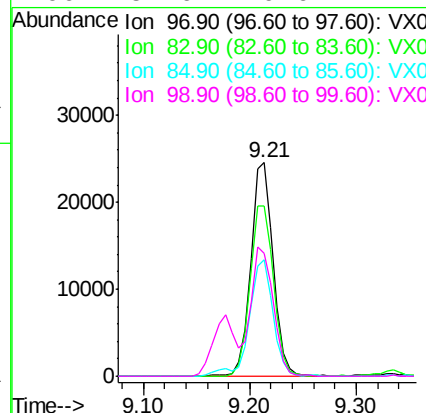
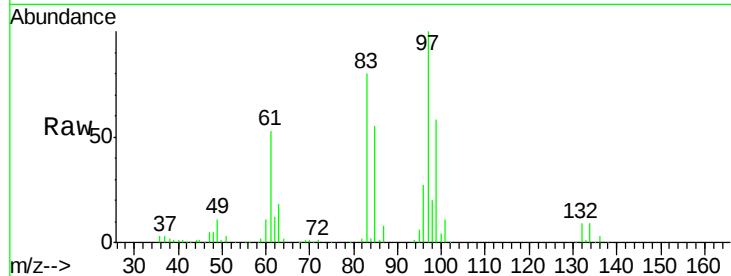
#55  
 1,1,2-Trichloroethane  
 Concen: 20.846 ug/l  
 RT: 9.21 min Scan# 1322  
 Delta R.T. 0.00 min  
 Lab File: VX011449.D  
 Acq: 11 Aug 2019 23:15

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0811WBSD02

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 97    | Resp: | 36245 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 79.8  | 67.6  | 101.4 |
| 85       | 54.8  | 43.4  | 65.0  |
| 99       | 57.6  | 49.6  | 74.4  |

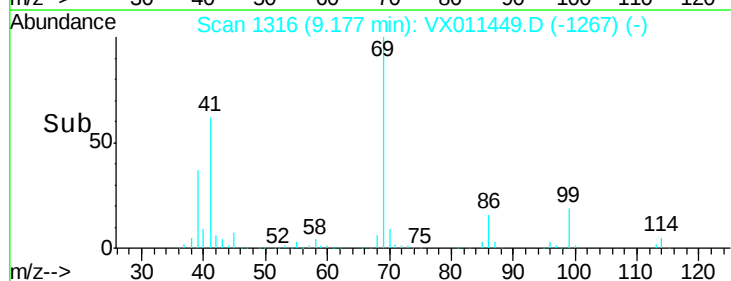
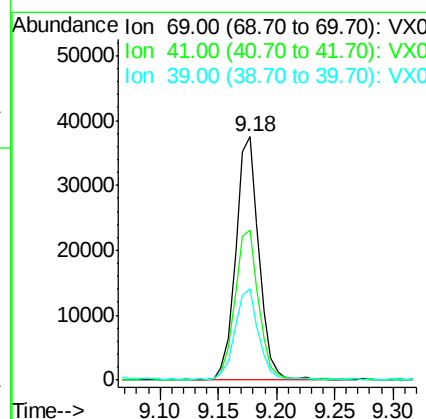
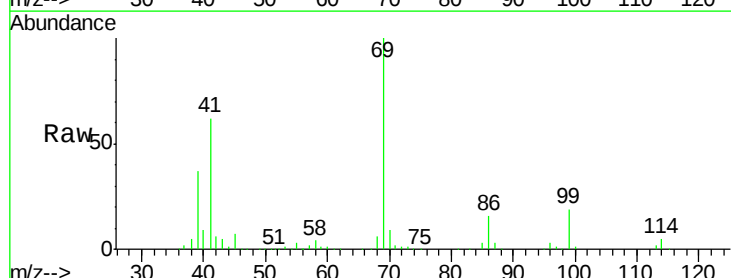
Manual Integrations  
 APPROVED

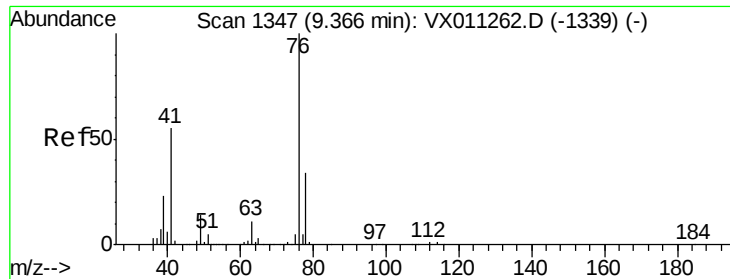
MMDadoda  
 8/12/2019 10:30:04 AM



#56  
 Ethyl methacrylate  
 Concen: 21.013 ug/l  
 RT: 9.18 min Scan# 1316  
 Delta R.T. 0.00 min  
 Lab File: VX011449.D  
 Acq: 11 Aug 2019 23:15

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 69    | Resp: | 52064 |
| Ion      | Ratio | Lower | Upper |
| 69       | 100   |       |       |
| 41       | 63.7  | 48.6  | 73.0  |
| 39       | 37.7  | 29.4  | 44.2  |





#57

1,3-Dichloropropane

Concen: 20.667 ug/l

RT: 9.37 min Scan# 1347

Delta R.T. 0.00 min

Lab File: VX011449.D

Acq: 11 Aug 2019 23:15

Instrument :

MSVOA\_X

ClientSampleId :

VX0811WBSD02

Tot Ion: 76 Resp: 56827

Ion Ratio Lower Upper

76 100

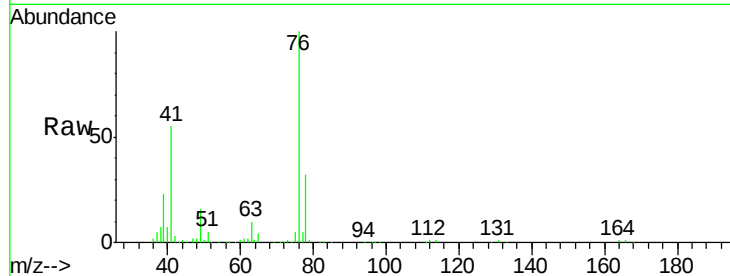
78 33.6 26.6 40.0

Manual Integrations

APPROVED

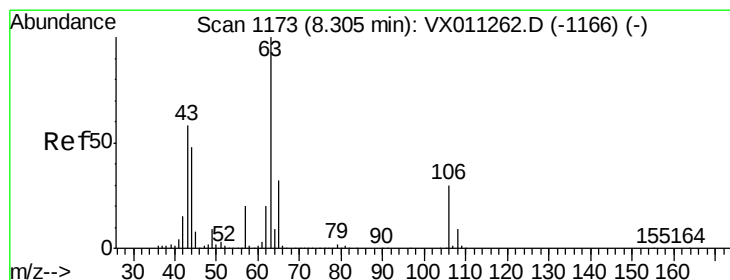
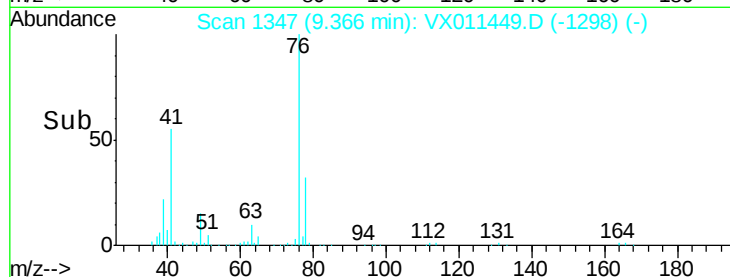
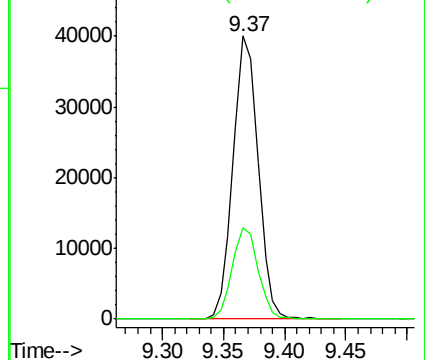
MMDadoda

8/12/2019 10:30:04 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 105.504 ug/l

RT: 8.31 min Scan# 1173

Delta R.T. 0.00 min

Lab File: VX011449.D

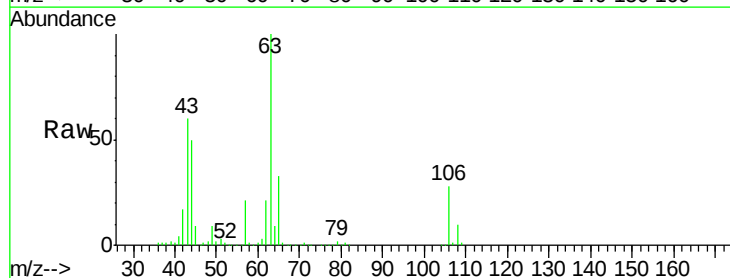
Acq: 11 Aug 2019 23:15

Tgt Ion: 63 Resp: 128531

Ion Ratio Lower Upper

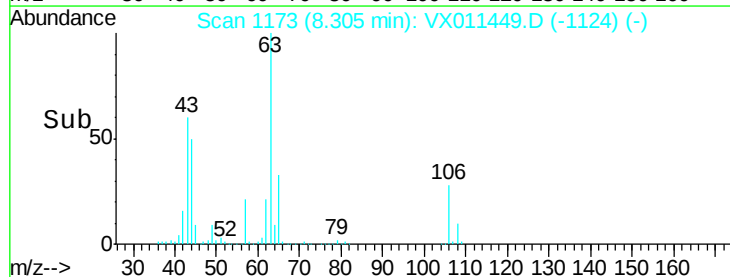
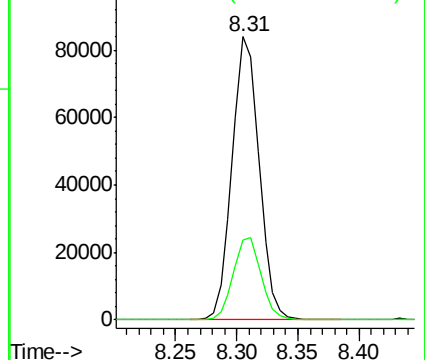
63 100

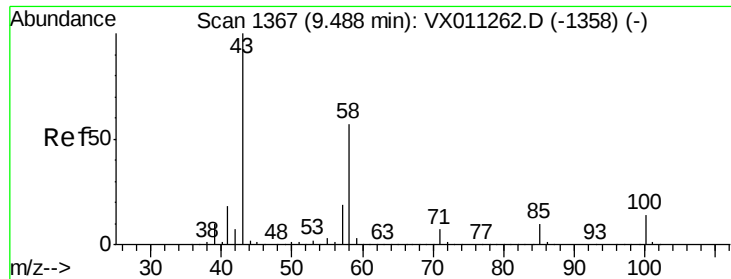
106 29.7 24.4 36.6



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





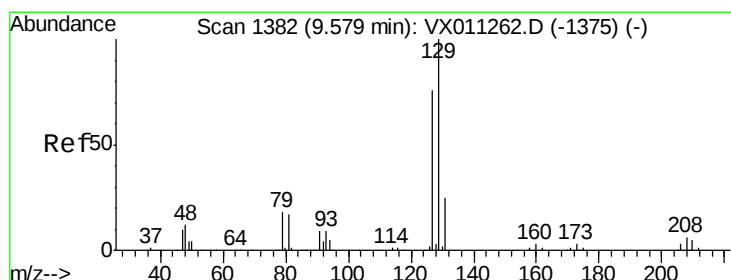
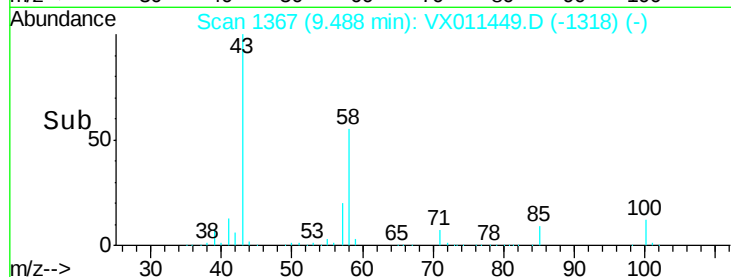
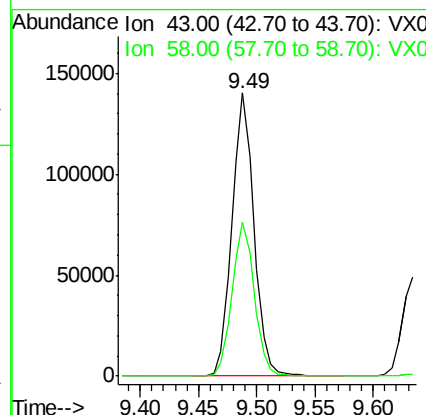
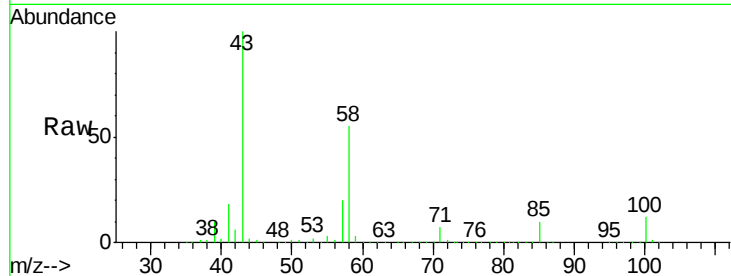
#59  
2-Hexanone  
Concen: 106.985 ug/l  
RT: 9.49 min Scan# 1367  
Delta R.T. 0.00 min  
Lab File: VX011449.D  
Acq: 11 Aug 2019 23:15

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0811WBSD02

Tot Ion: 43 Resp: 183819  
Ion Ratio Lower Upper  
43 100  
58 55.4 28.2 84.6

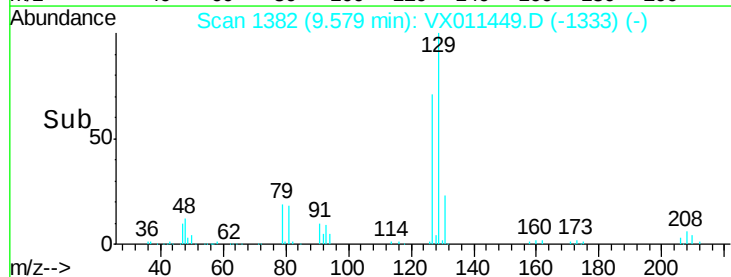
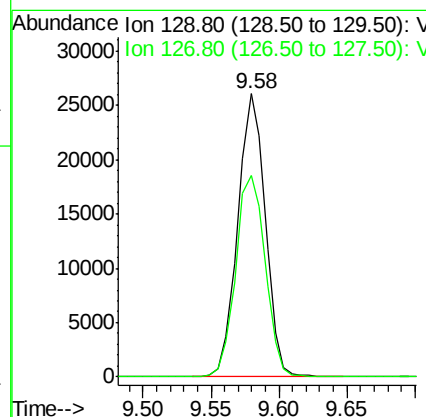
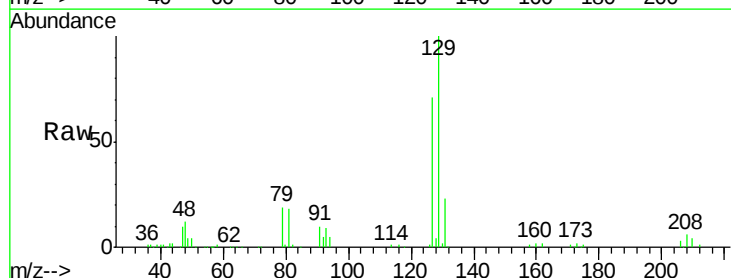
Manual Integrations  
APPROVED

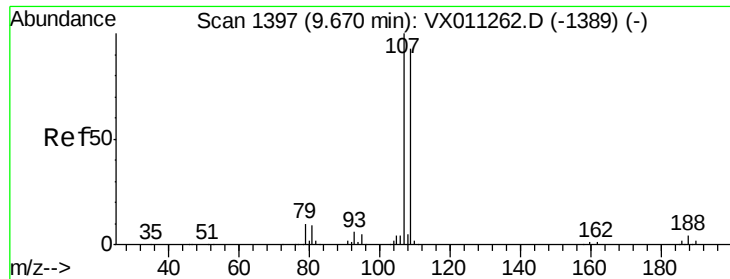
MMDadoda  
8/12/2019 10:30:04 AM



#60  
Dibromochloromethane  
Concen: 20.708 ug/l  
RT: 9.58 min Scan# 1382  
Delta R.T. 0.00 min  
Lab File: VX011449.D  
Acq: 11 Aug 2019 23:15

Tgt Ion: 129 Resp: 36862  
Ion Ratio Lower Upper  
129 100  
127 75.9 39.2 117.6





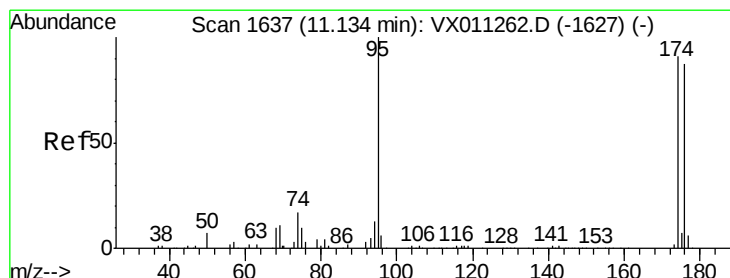
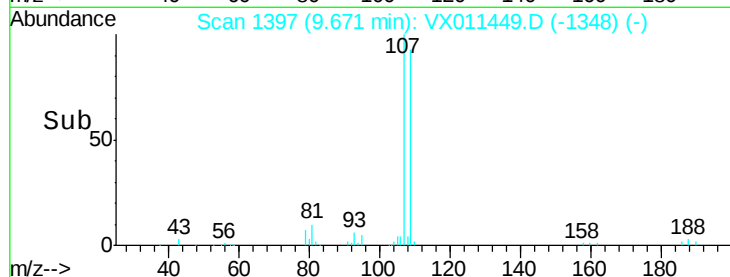
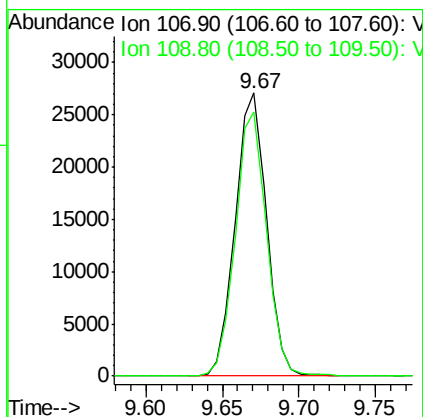
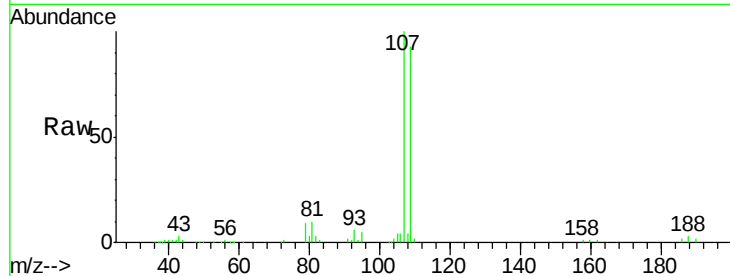
#61  
 1,2-Dibromoethane  
 Concen: 20.458 ug/l  
 RT: 9.67 min Scan# 1397  
 Delta R.T. 0.00 min  
 Lab File: VX011449.D  
 Acq: 11 Aug 2019 23:15

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0811WBSD02

Tot Ion:107 Resp: 38429  
 Ion Ratio Lower Upper  
 107 100  
 109 93.0 76.6 114.8

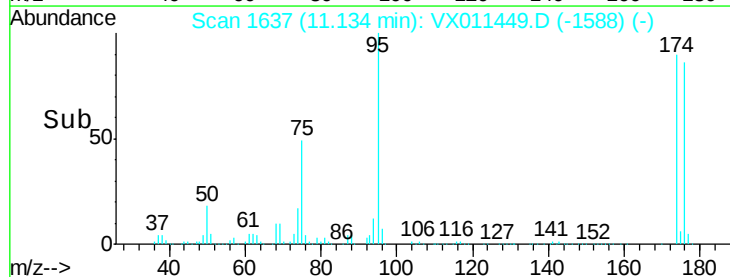
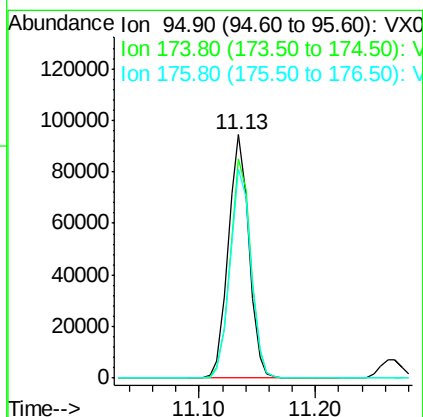
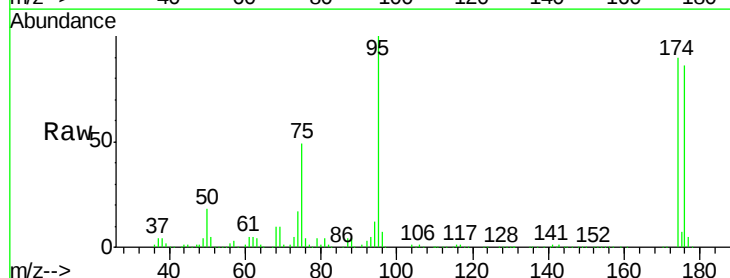
Manual Integrations  
 APPROVED

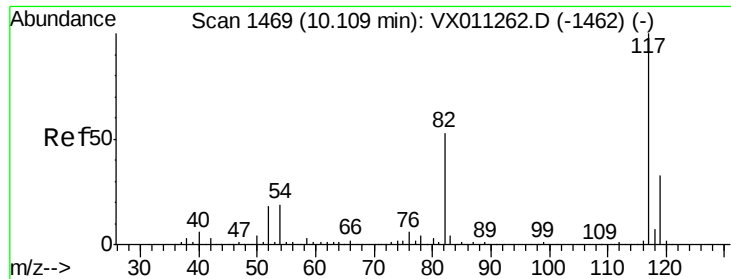
MMDadoda  
 8/12/2019 10:30:04 AM



#62  
 4-Bromofluorobenzene  
 Concen: 53.980 ug/l  
 RT: 11.13 min Scan# 1637  
 Delta R.T. 0.00 min  
 Lab File: VX011449.D  
 Acq: 11 Aug 2019 23:15

Tgt Ion: 95 Resp: 116594  
 Ion Ratio Lower Upper  
 95 100  
 174 90.4 0.0 191.2  
 176 87.3 0.0 184.8





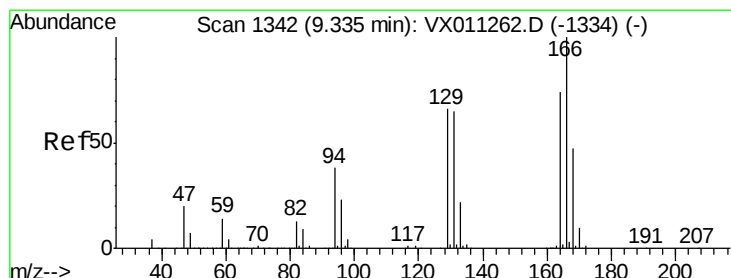
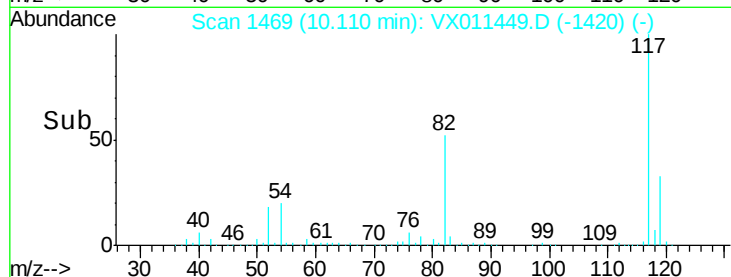
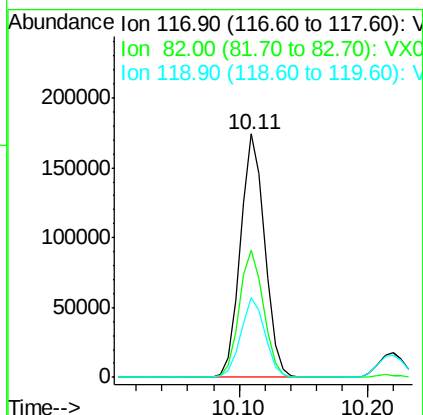
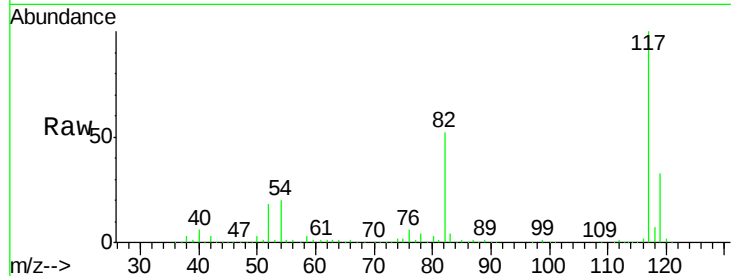
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.11 min Scan# 1469  
Delta R.T. 0.00 min  
Lab File: VX011449.D  
Acq: 11 Aug 2019 23:15

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0811WBSD02

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 117     | 100   | 226815 |       |       |
| 82      | 52.1  |        | 42.2  | 63.2  |
| 119     | 32.7  |        | 26.6  | 39.8  |

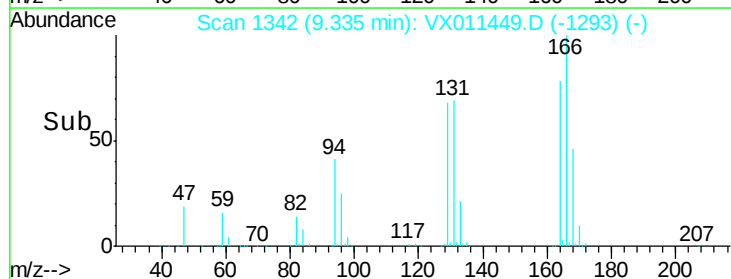
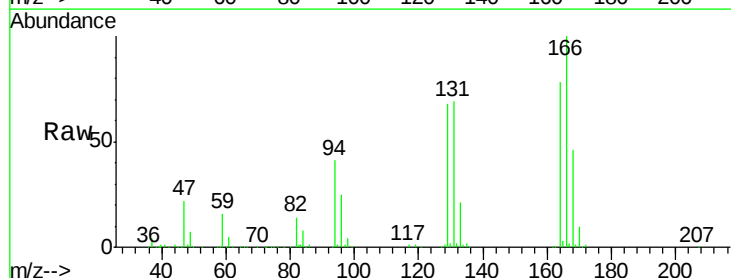
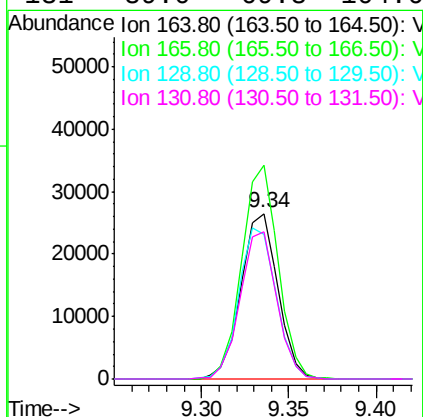
Manual Integrations  
APPROVED

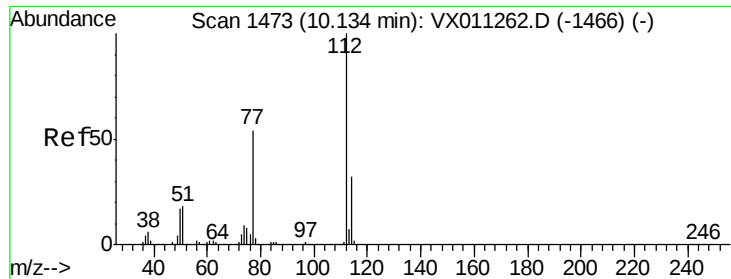
MMDadoda  
8/12/2019 10:30:04 AM



#64  
Tetrachloroethene  
Concen: 20.188 ug/l  
RT: 9.34 min Scan# 1342  
Delta R.T. 0.00 min  
Lab File: VX011449.D  
Acq: 11 Aug 2019 23:15

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 164     | 100   | 38886 |       |       |
| 166     | 129.0 |       | 107.5 | 161.3 |
| 129     | 87.2  |       | 71.0  | 106.4 |
| 131     | 89.0  |       | 69.8  | 104.6 |





#65

Chlorobenzene

Concen: 19.656 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. 0.00 min

Lab File: VX011449.D

Acq: 11 Aug 2019 23:15

Instrument :

MSVOA\_X

ClientSampleId :

VX0811WBSD02

Tot Ion:112 Resp: 95593

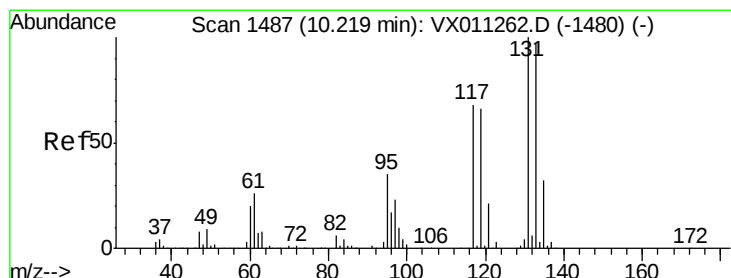
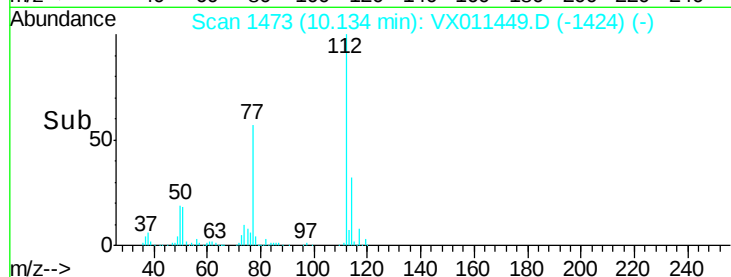
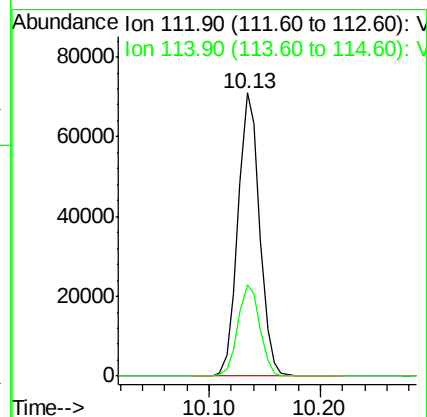
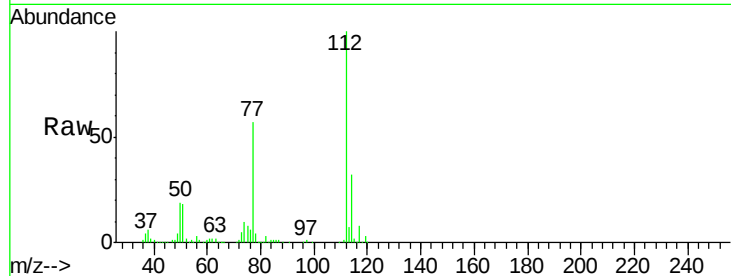
Ion Ratio Lower Upper

112 100

114 32.3 25.9 38.9

Manual Integrations  
APPROVED

MMDadoda  
8/12/2019 10:30:04 AM



#66

1,1,1,2-Tetrachloroethane

Concen: 21.263 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX011449.D

Acq: 11 Aug 2019 23:15

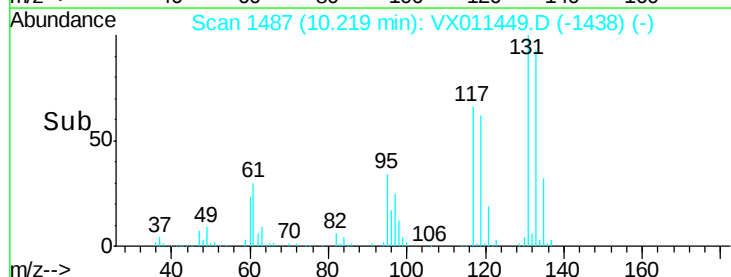
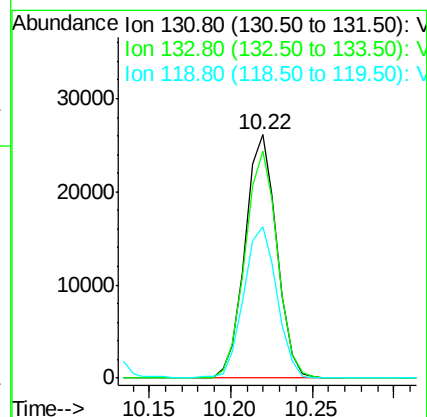
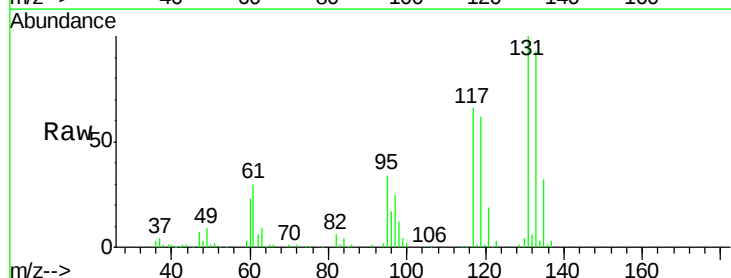
Tgt Ion:131 Resp: 35402

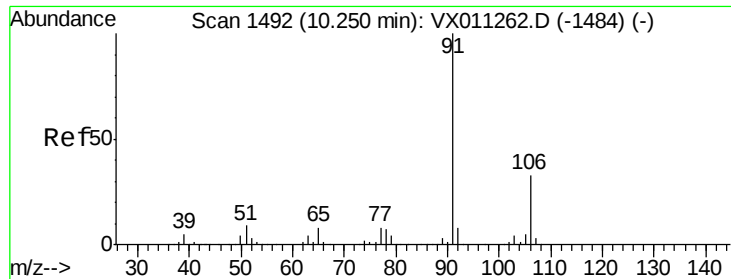
Ion Ratio Lower Upper

131 100

133 95.2 47.7 143.1

119 65.5 32.8 98.3





#67

Ethyl Benzene

Concen: 20.421 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX011449.D

Acq: 11 Aug 2019 23:15

Instrument :

MSVOA\_X

ClientSampled :

VX0811WBSD02

Tot Ion: 91 Resp: 166323

Ion Ratio Lower Upper

91 100

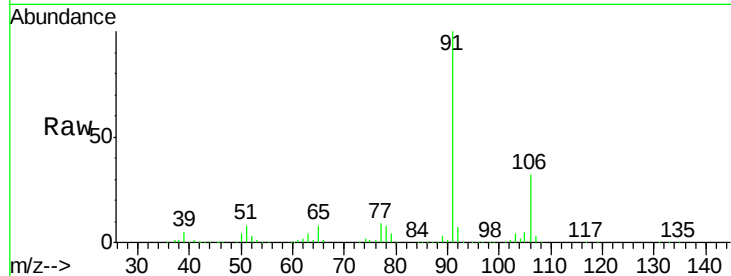
106 31.5 26.2 39.4

Manual Integrations

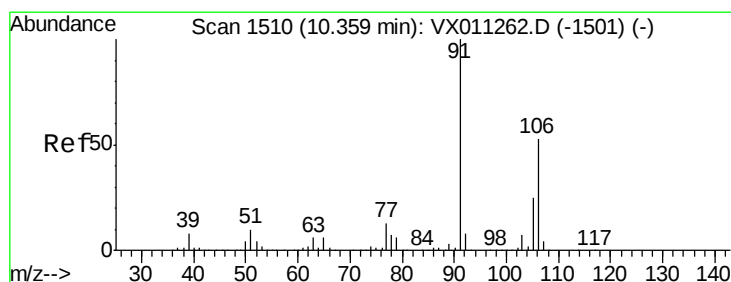
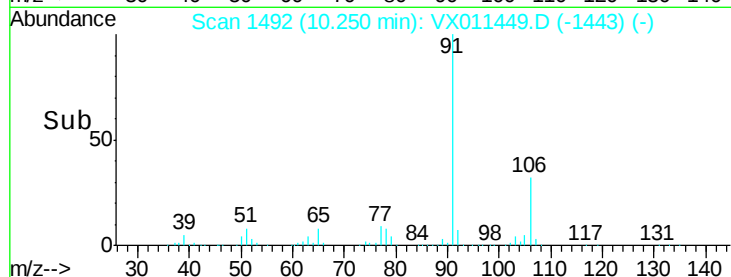
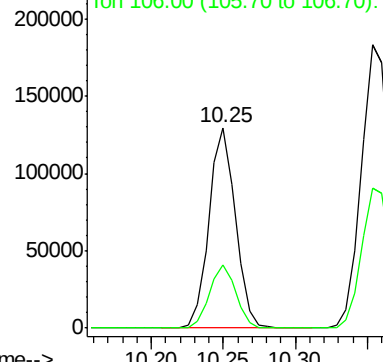
APPROVED

MMDadoda

8/12/2019 10:30:04 AM



Abundance Ion 91.00 (90.70 to 91.70): VX011262.D (-1484) (-)



#68

m/p-Xylenes

Concen: 39.984 ug/l

RT: 10.35 min Scan# 1509

Delta R.T. -0.01 min

Lab File: VX011449.D

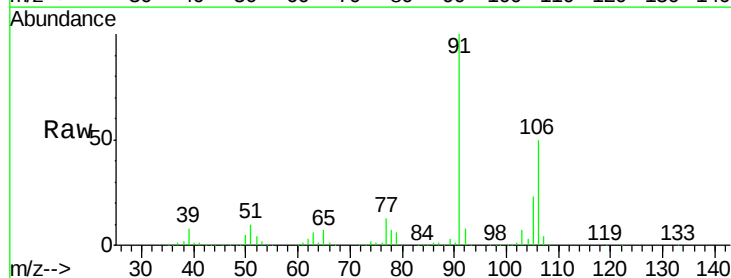
Acq: 11 Aug 2019 23:15

Tgt Ion: 106 Resp: 125962

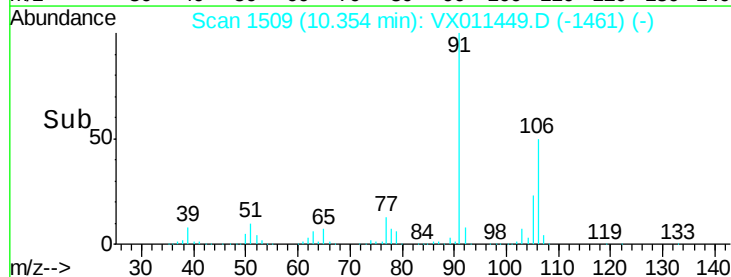
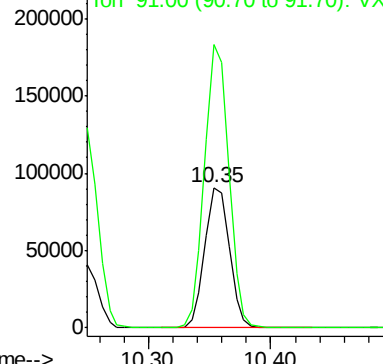
Ion Ratio Lower Upper

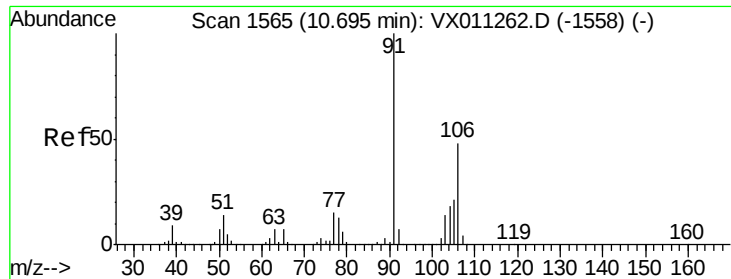
106 100

91 199.6 155.9 233.9



Abundance Ion 106.00 (105.70 to 106.70): VX011262.D (-1501) (-)





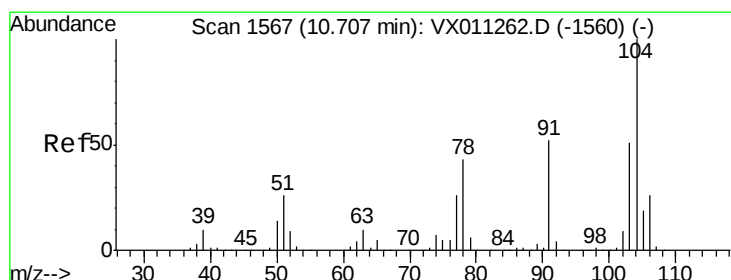
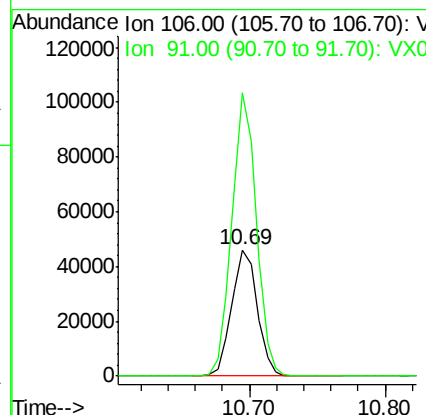
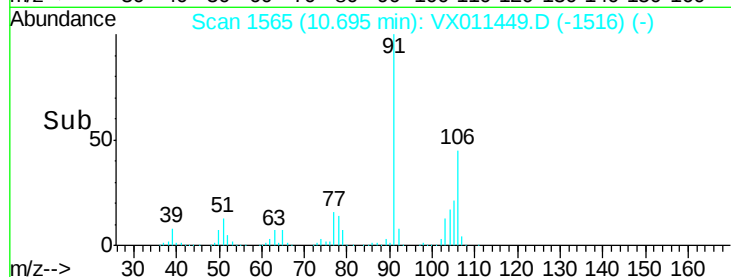
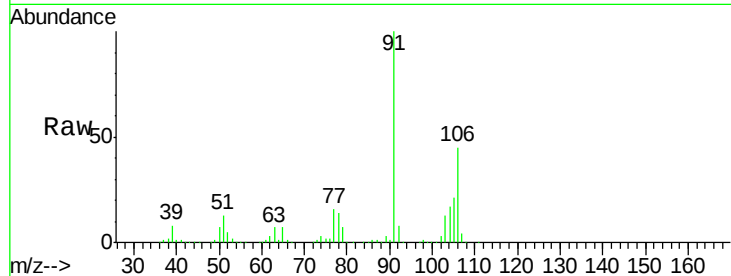
#69  
o-Xylene  
Concen: 19.501 ug/l  
RT: 10.69 min Scan# 1565  
Delta R.T. 0.00 min  
Lab File: VX011449.D  
Acq: 11 Aug 2019 23:15

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0811WBSD02

| Tot Ion | Ion   | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|-------|
| 106     | 100   |       |       |       |       |
| 91      | 214.5 | 103.8 | 311.3 |       |       |

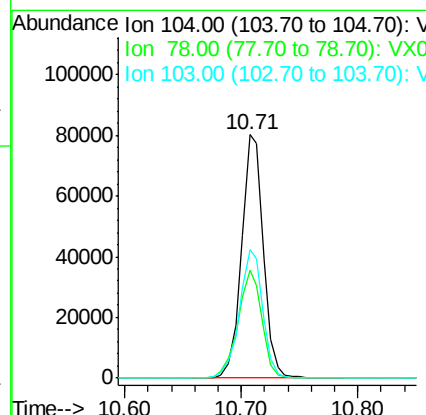
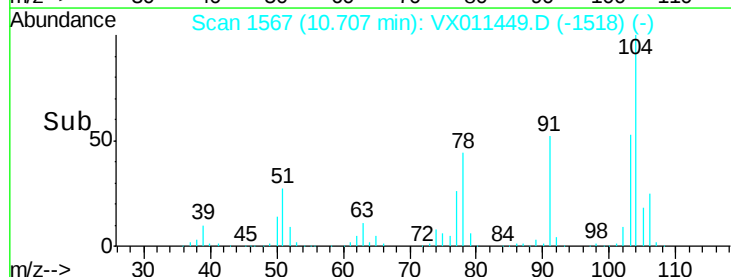
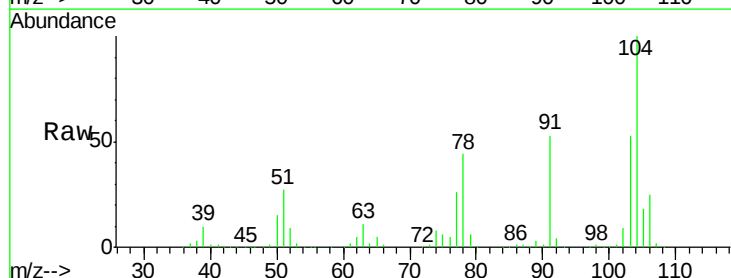
Manual Integrations  
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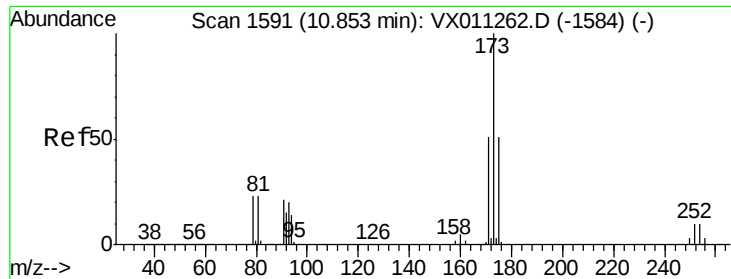
MMDadoda  
8/12/2019 10:30:04 AM



#70  
Styrene  
Concen: 20.434 ug/l  
RT: 10.71 min Scan# 1567  
Delta R.T. 0.00 min  
Lab File: VX011449.D  
Acq: 11 Aug 2019 23:15

| Tgt Ion | Ion  | Ratio | Resp | Lower | Upper |
|---------|------|-------|------|-------|-------|
| 104     | 100  |       |      |       |       |
| 78      | 48.5 | 36.9  | 55.3 |       |       |
| 103     | 56.4 | 44.4  | 66.6 |       |       |





#71

Bromoform

Concen: 19.479 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX011449.D

Acq: 11 Aug 2019 23:15

Instrument :

MSVOA\_X

ClientSampleId :

VX0811WBSD02

Tot Ion:173 Resp: 26266

Ion Ratio Lower Upper

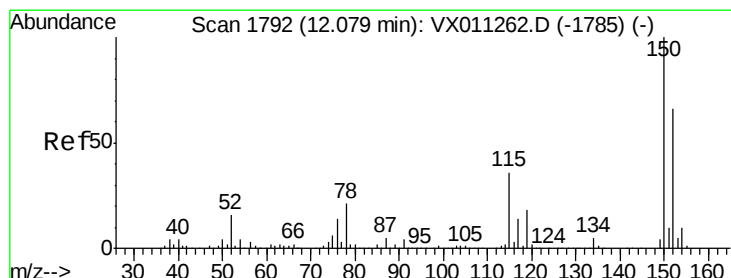
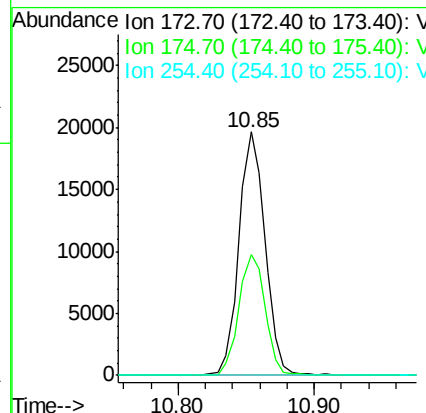
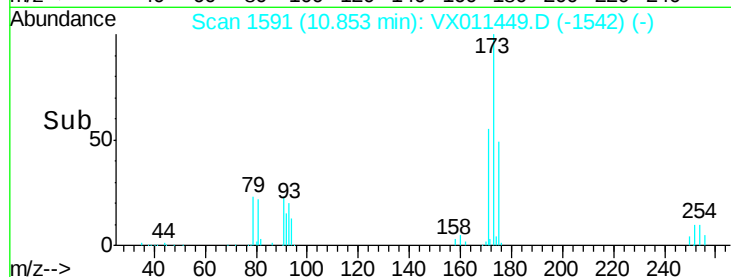
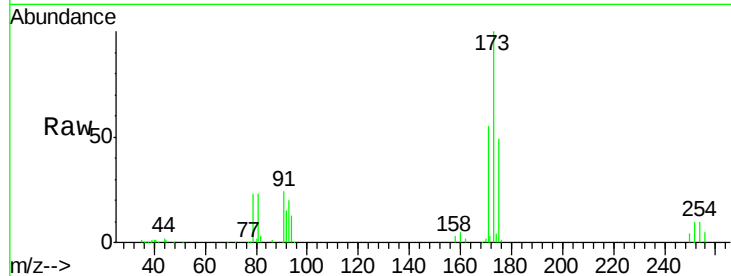
173 100

175 50.1 24.4 73.4

254 0.0 0.2 0.2#

Manual Integrations  
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MMDadoda  
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1791

Delta R.T. -0.01 min

Lab File: VX011449.D

Acq: 11 Aug 2019 23:15

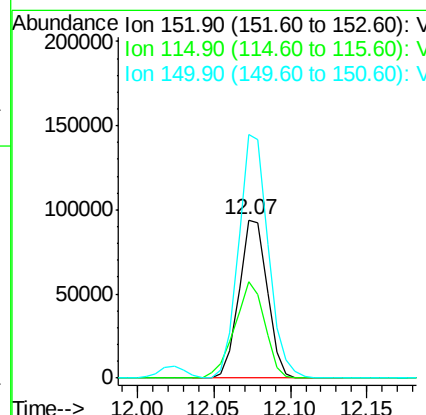
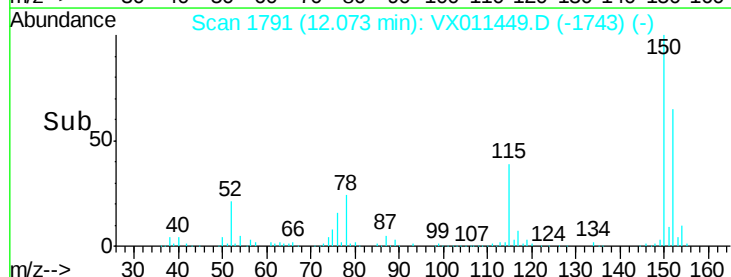
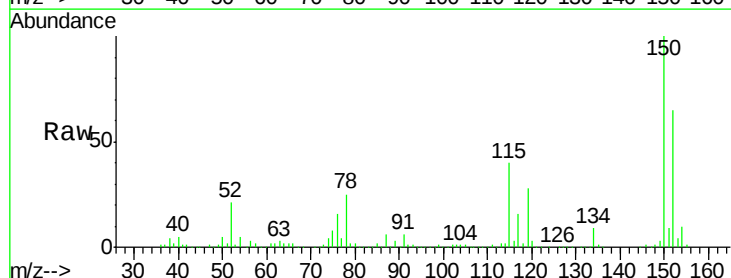
Tgt Ion:152 Resp: 120146

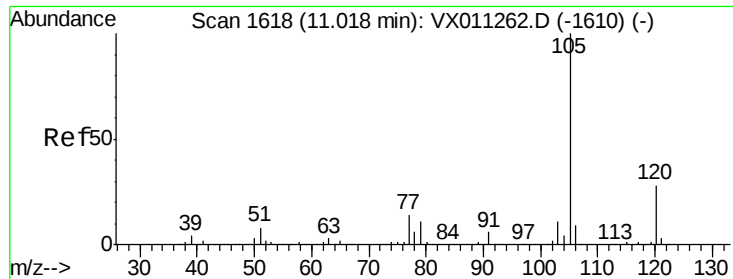
Ion Ratio Lower Upper

152 100

115 65.3 40.0 119.9

150 161.6 0.0 350.4





#73

Isopropylbenzene

Concen: 20.133 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX011449.D

Acq: 11 Aug 2019 23:15

Instrument :

MSVOA\_X

ClientSampleId :

VX0811WBSD02

Tot Ion: 105 Resp: 165438

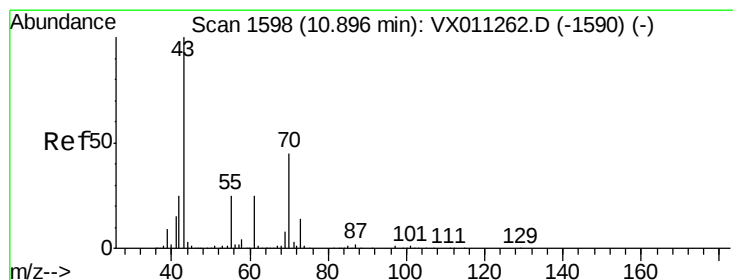
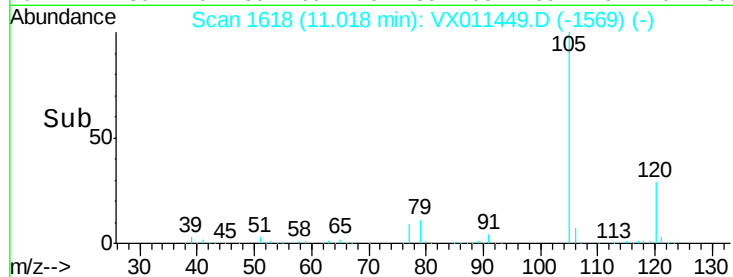
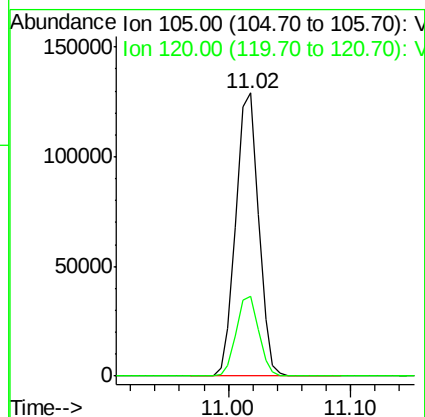
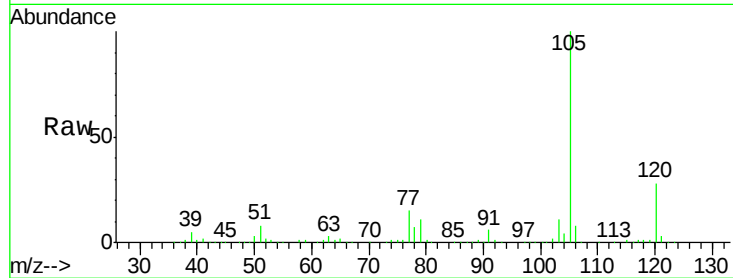
Ion Ratio Lower Upper

105 100

120 27.9 13.7 41.1

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#74

N-ethyl acetate

Concen: 21.515 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX011449.D

Acq: 11 Aug 2019 23:15

Tgt Ion: 43 Resp: 63881

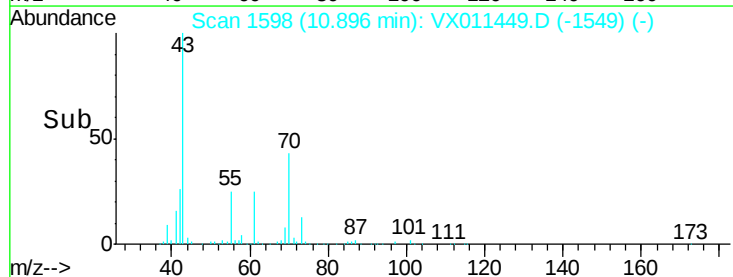
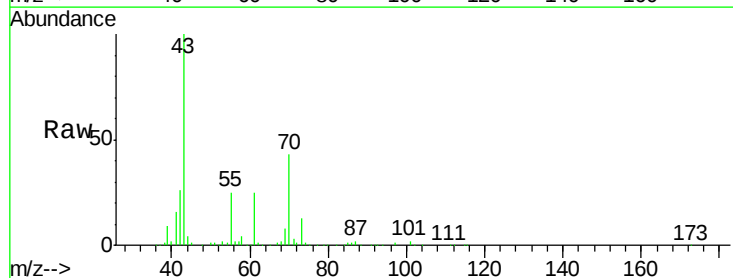
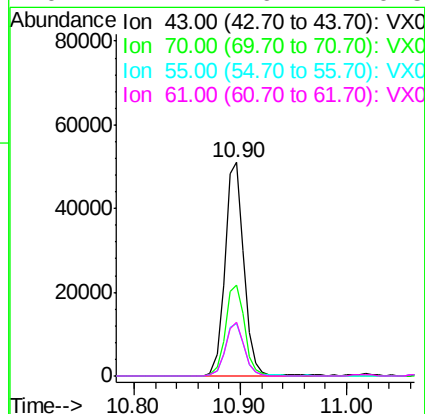
Ion Ratio Lower Upper

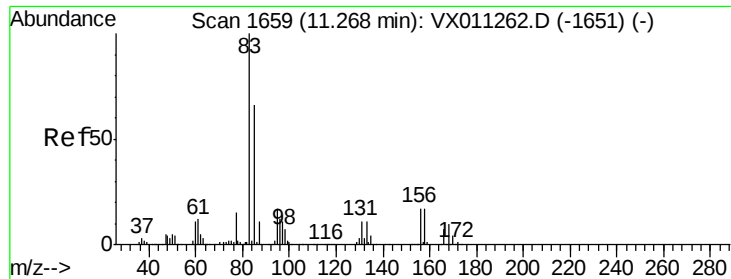
43 100

70 42.9 35.9 53.9

55 25.0 19.8 29.6

61 24.7 19.7 29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 20.579 ug/l

RT: 11.26 min Scan# 1658

Delta R.T. -0.01 min

Lab File: VX011449.D

Acq: 11 Aug 2019 23:15

Instrument :

MSVOA\_X

ClientSampleId :

VX0811WBSD02

Tot Ion: 83 Resp: 56353

Ion Ratio Lower Upper

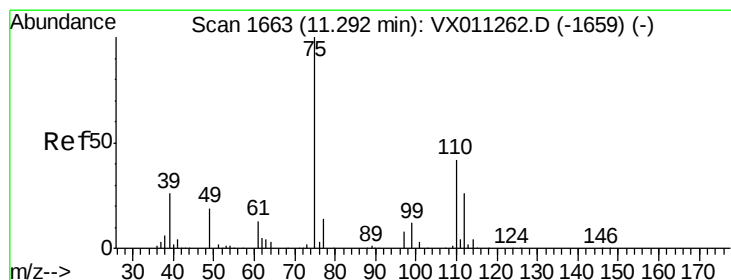
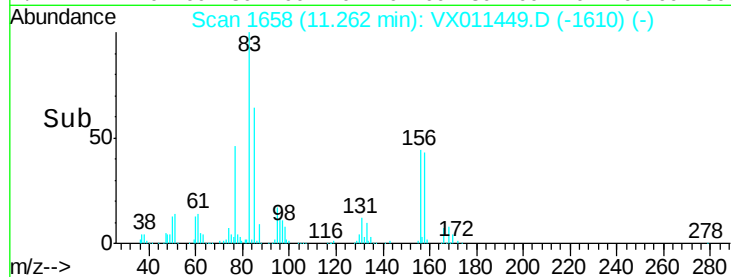
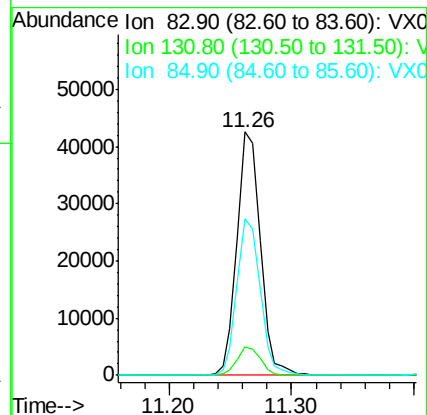
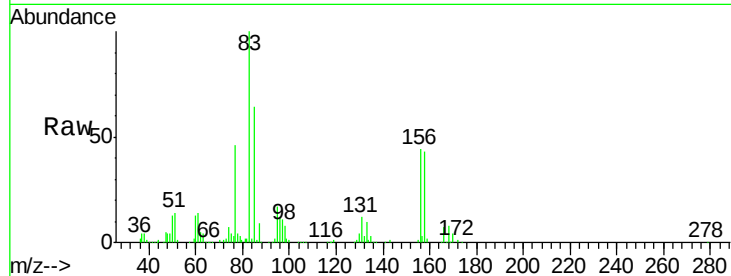
83 100

131 11.6 5.6 16.8

85 64.4 32.1 96.5

Manual Integrations  
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#76

1,2,3-Trichloropropane

Concen: 21.541 ug/l m

RT: 11.29 min Scan# 1663

Delta R.T. 0.00 min

Lab File: VX011449.D

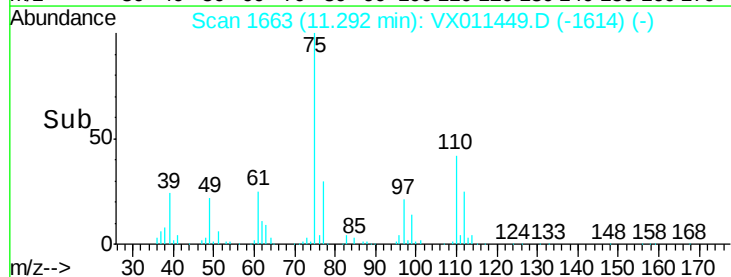
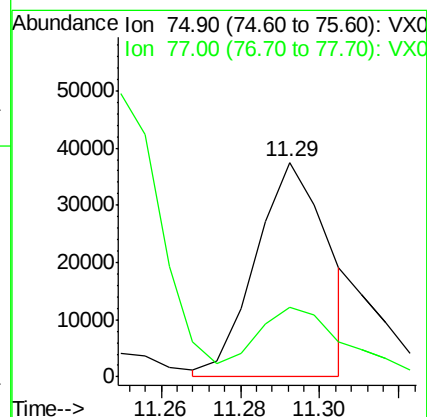
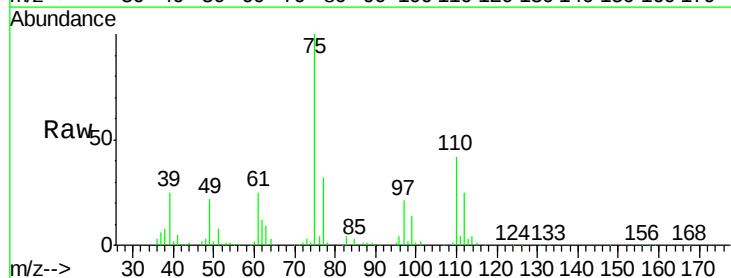
Acq: 11 Aug 2019 23:15

Tgt Ion: 75 Resp: 47131

Ion Ratio Lower Upper

75 100

77 40.6 21.1 63.4





#77

Bromobenzene

Concen: 19.944 ug/l

RT: 11.25 min Scan# 1656

Delta R.T. -0.01 min

Lab File: VX011449.D

Acq: 11 Aug 2019 23:15

Instrument :

MSVOA\_X

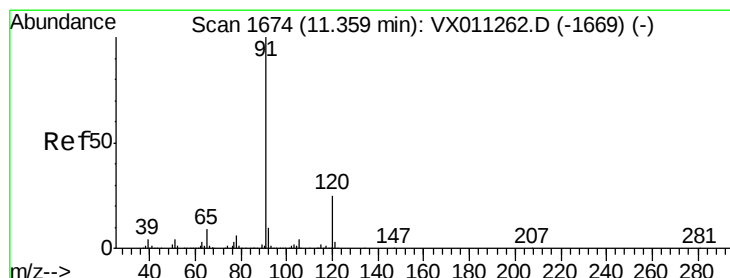
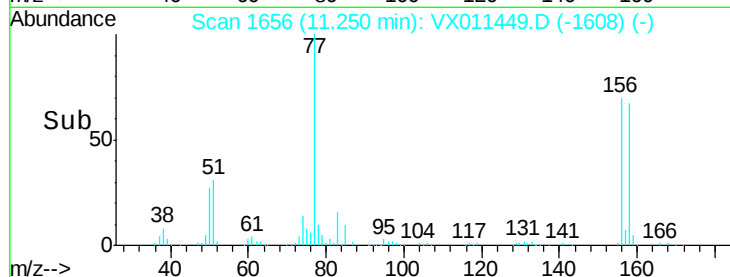
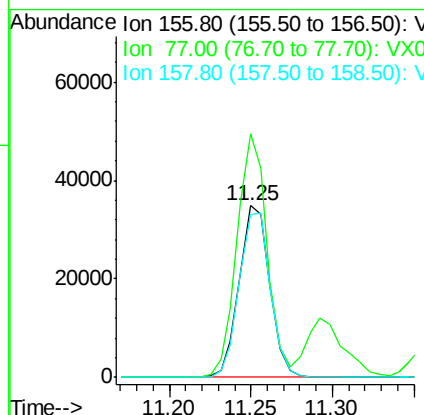
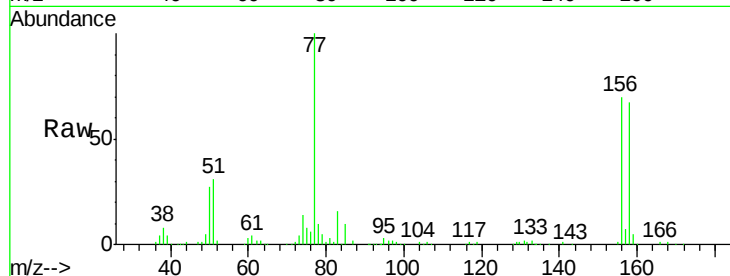
ClientSampleId :

VX0811WBSD02

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 156   | Resp: | 45443 |
| Ion      | Ratio | Lower | Upper |
| 156      | 100   |       |       |
| 77       | 139.4 | 66.2  | 198.6 |
| 158      | 98.5  | 49.1  | 147.3 |

Manual Integrations  
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#78

n-propylbenzene

Concen: 19.989 ug/l

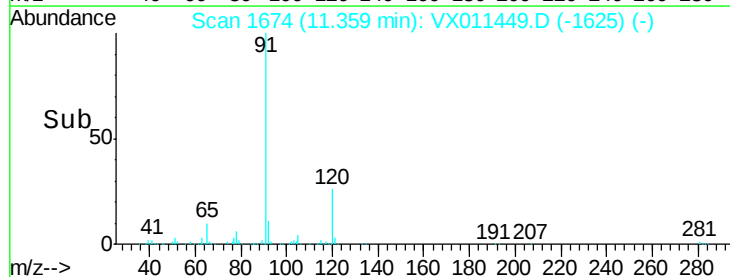
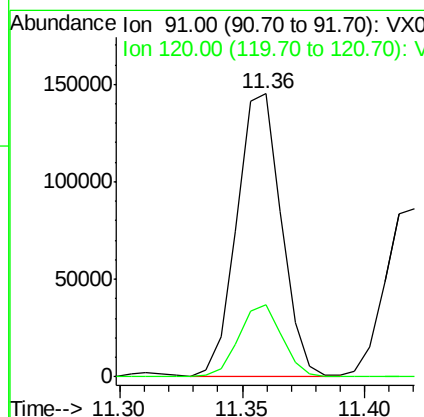
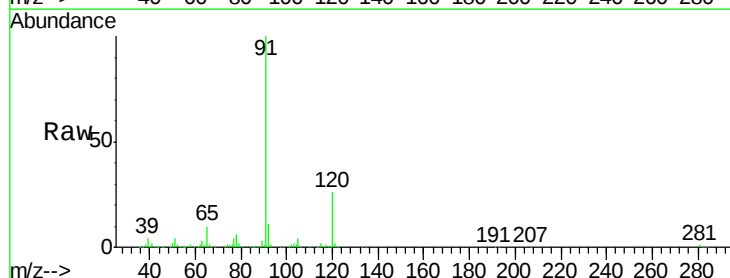
RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX011449.D

Acq: 11 Aug 2019 23:15

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 91    | Resp: | 182656 |
| Ion      | Ratio | Lower | Upper  |
| 91       | 100   |       |        |
| 120      | 25.0  | 12.4  | 37.0   |





#79

2-Chlorotoluene

Concen: 20.415 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX011449.D

Acq: 11 Aug 2019 23:15

Instrument :

MSVOA\_X

ClientSampleId :

VX0811WBSD02

Tot Ion: 91 Resp: 111193

Ion Ratio Lower Upper

91 100

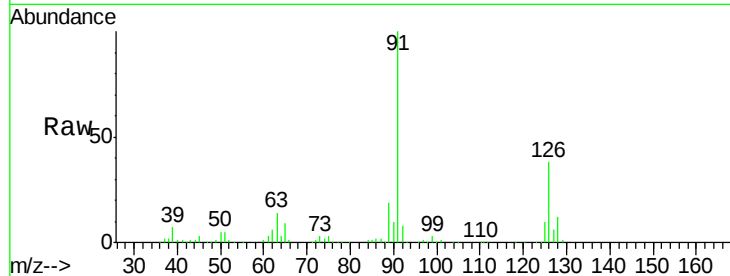
126 36.3 18.5 55.5

Manual Integrations

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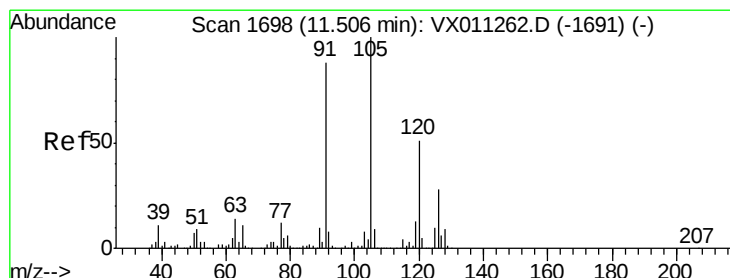
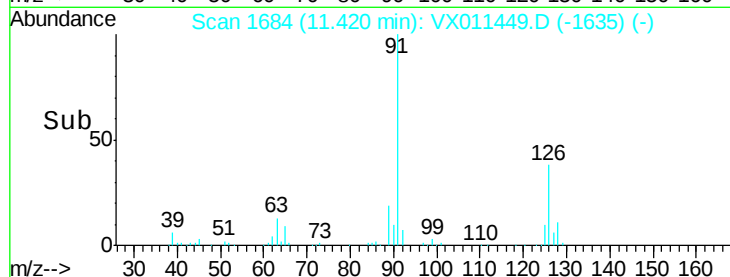
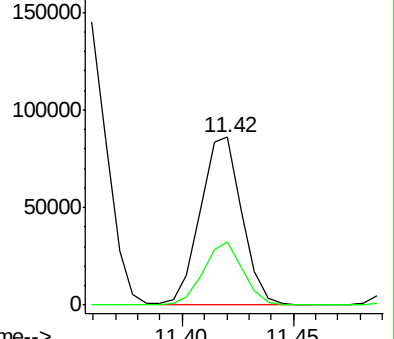
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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 20.267 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX011449.D

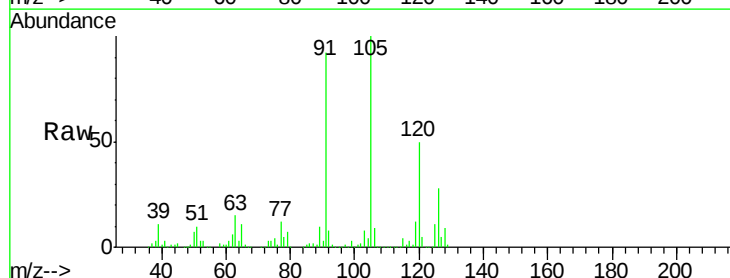
Acq: 11 Aug 2019 23:15

Tgt Ion:105 Resp: 139407

Ion Ratio Lower Upper

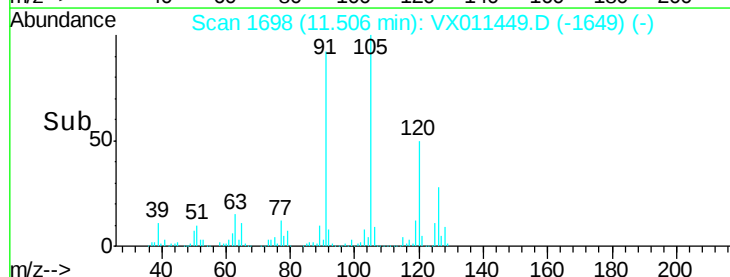
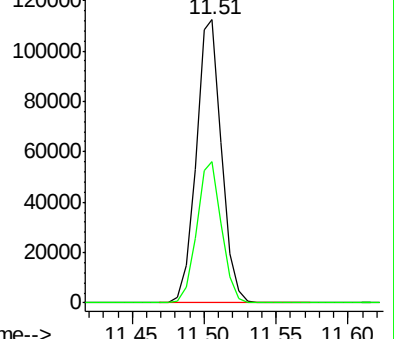
105 100

120 48.9 25.1 75.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





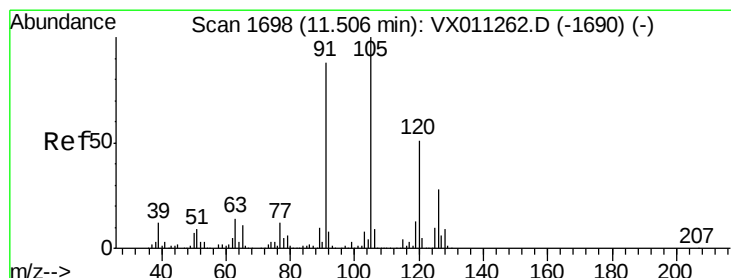
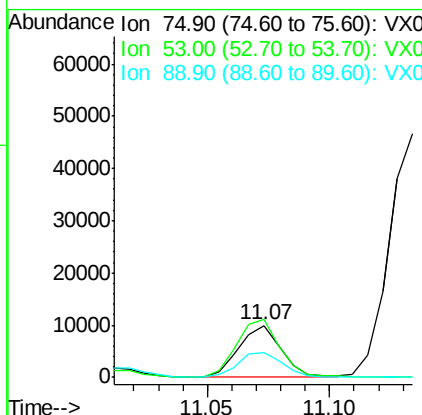
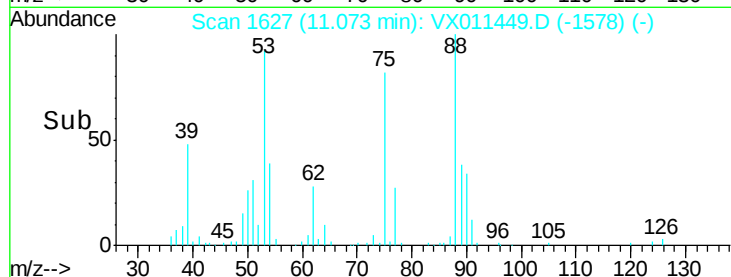
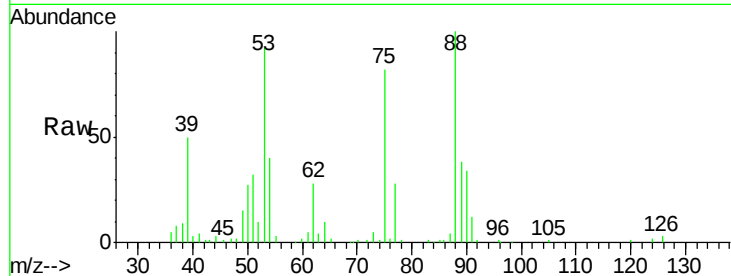
#81  
trans-1,4-Dichloro-2-butene  
Concen: 18.072 ug/l  
RT: 11.07 min Scan# 1627  
Delta R.T. 0.00 min  
Lab File: VX011449.D  
Acq: 11 Aug 2019 23:15

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0811WBSD02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 53      | 111.8 | 78.2  | 117.4 |
| 89      | 49.7  | 37.9  | 56.9  |

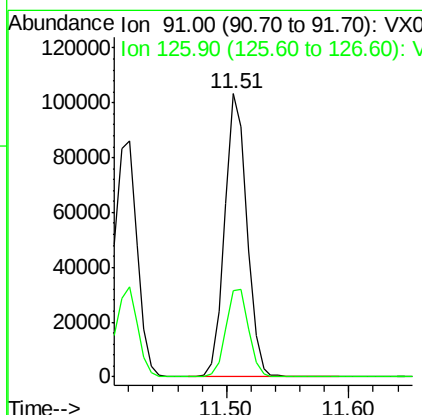
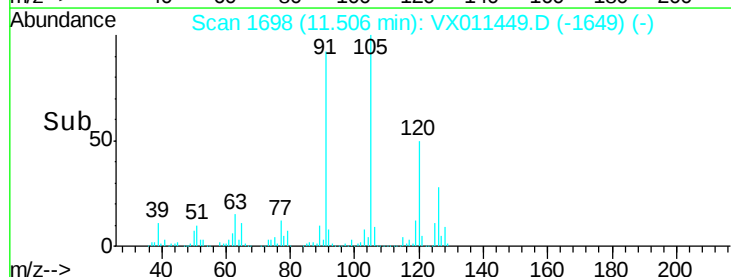
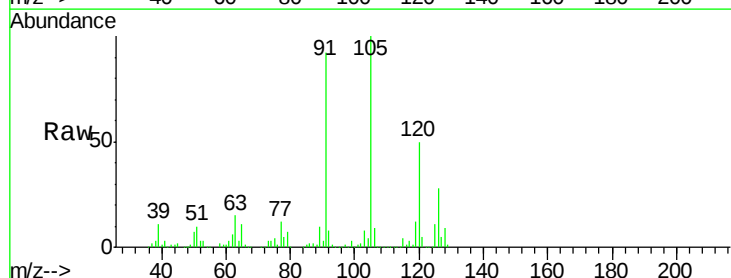
Manual Integrations  
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8/12/2019 10:30:04 AM



#82  
4-Chlorotoluene  
Concen: 20.357 ug/l  
RT: 11.51 min Scan# 1698  
Delta R.T. 0.00 min  
Lab File: VX011449.D  
Acq: 11 Aug 2019 23:15

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 126     | 32.0  | 16.4  | 49.2  |





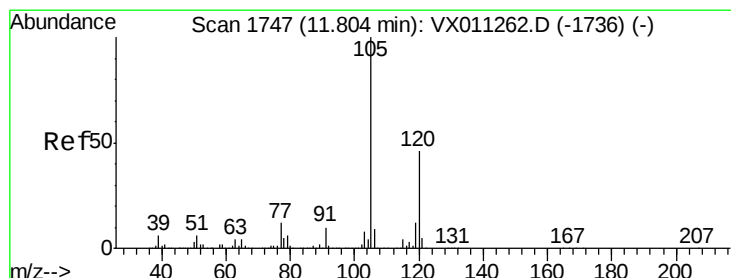
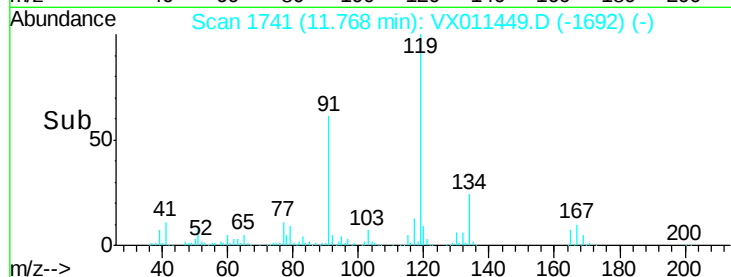
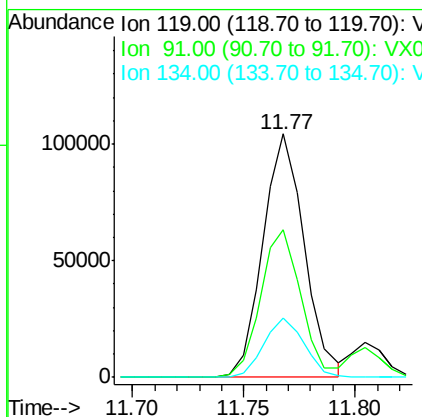
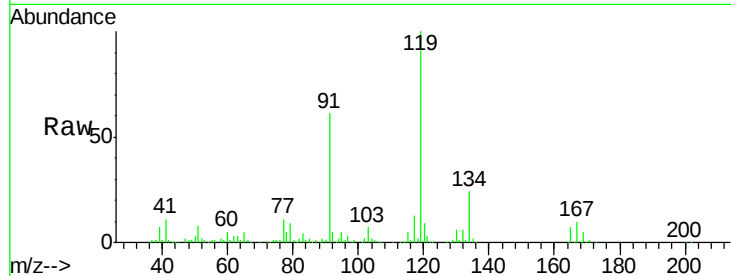
#83  
 tert-Butylbenzene  
 Concen: 19.964 ug/l  
 RT: 11.77 min Scan# 1741  
 Delta R.T. 0.00 min  
 Lab File: VX011449.D  
 Acq: 11 Aug 2019 23:15

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0811WBSD02

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 119     | 100   | 134683 |       |       |
| 91      | 59.7  | 28.0   | 84.0  |       |
| 134     | 23.9  | 11.9   | 35.5  |       |

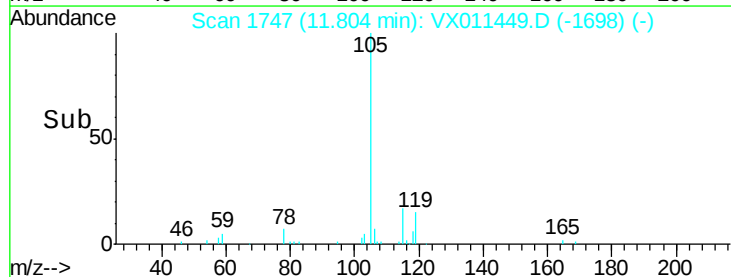
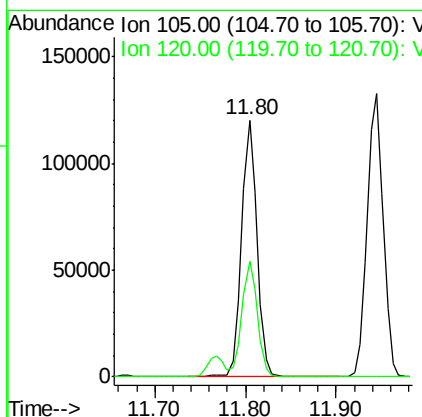
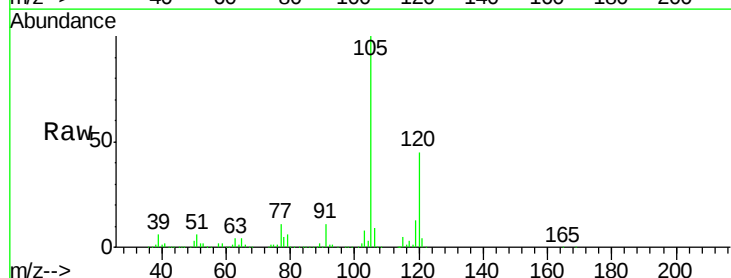
Manual Integrations  
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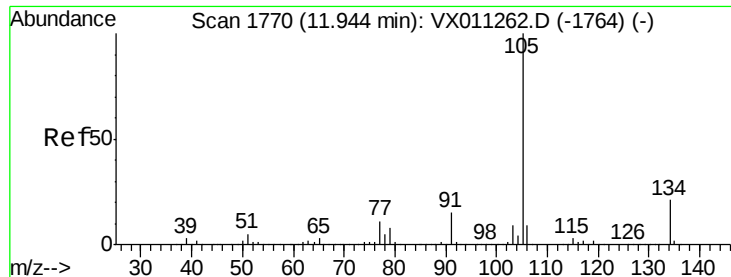
MMDadoda  
 8/12/2019 10:30:04 AM



#84  
 1,2,4-Trimethylbenzene  
 Concen: 20.684 ug/l  
 RT: 11.80 min Scan# 1747  
 Delta R.T. 0.00 min  
 Lab File: VX011449.D  
 Acq: 11 Aug 2019 23:15

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 105     | 100   | 141653 |       |       |
| 120     | 45.2  | 23.0   | 69.0  |       |





#85

sec-Butylbenzene

Concen: 20.088 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX011449.D

Acq: 11 Aug 2019 23:15

Instrument :

MSVOA\_X

ClientSampleId :

VX0811WBSD02

Tot Ion:105 Resp: 162826

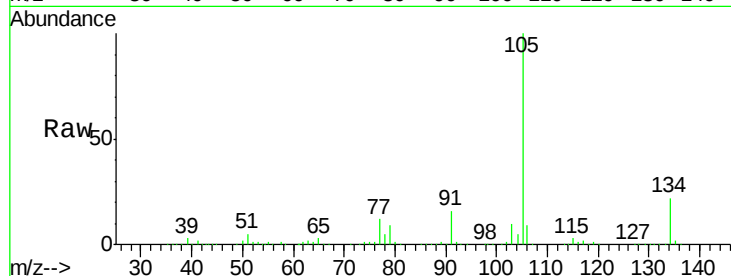
Ion Ratio Lower Upper

105 100

134 21.1 10.4 31.4

Manual Integrations  
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8/12/2019 10:30:04 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.94

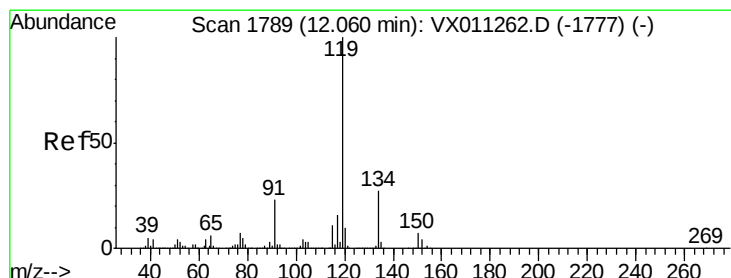
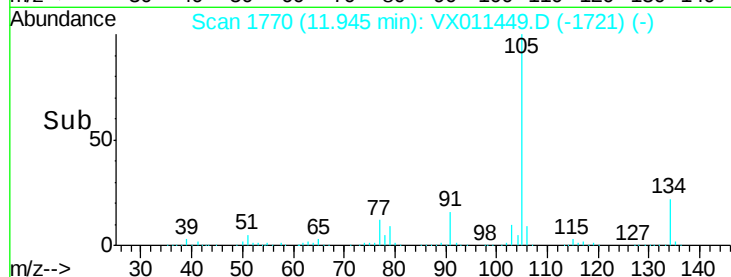
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 19.973 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX011449.D

Acq: 11 Aug 2019 23:15

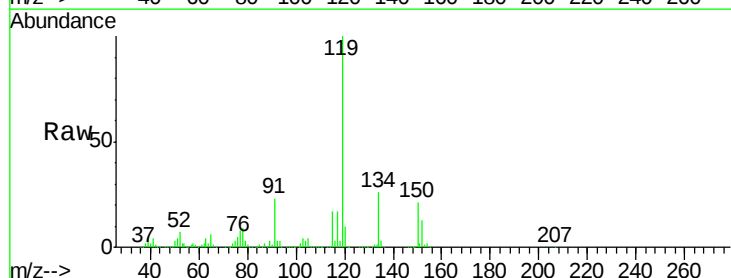
Tgt Ion:119 Resp: 148933

Ion Ratio Lower Upper

119 100

134 26.6 13.7 41.0

91 23.3 11.4 34.2



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): V

12.06

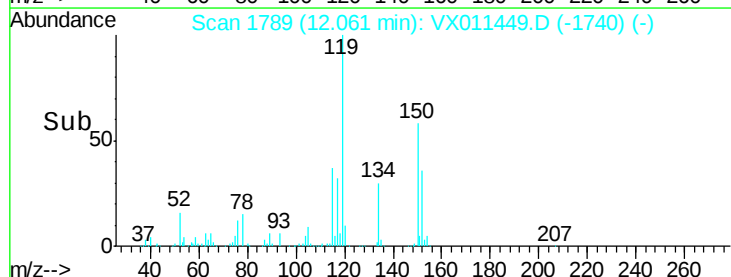
150000

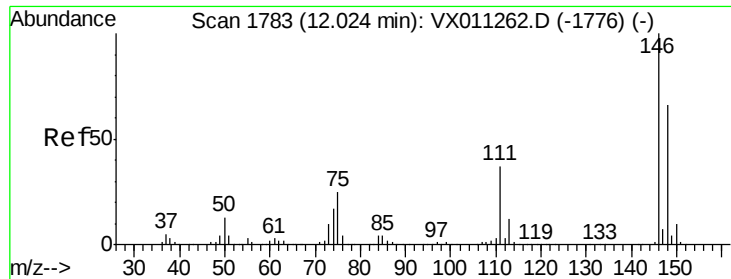
100000

50000

0

Time-->





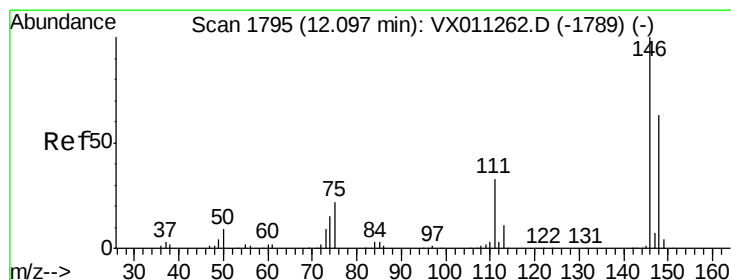
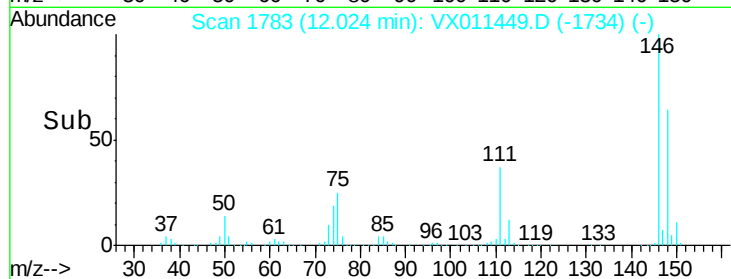
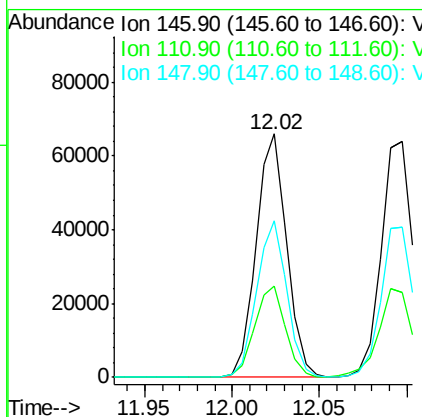
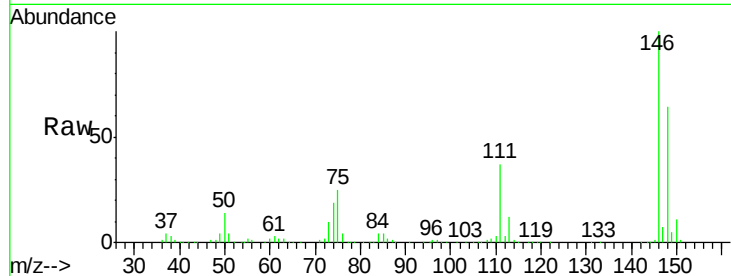
#87  
 1,3-Dichlorobenzene  
 Concen: 20.129 ug/l  
 RT: 12.02 min Scan# 1783  
 Delta R.T. 0.00 min  
 Lab File: VX011449.D  
 Acq: 11 Aug 2019 23:15

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0811WBSD02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 37.8  | 18.6  | 55.8  |
| 148     | 63.5  | 32.5  | 97.5  |

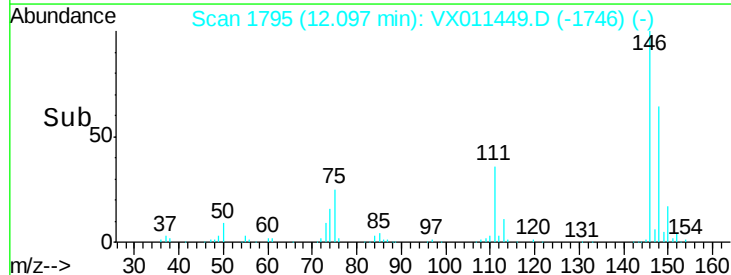
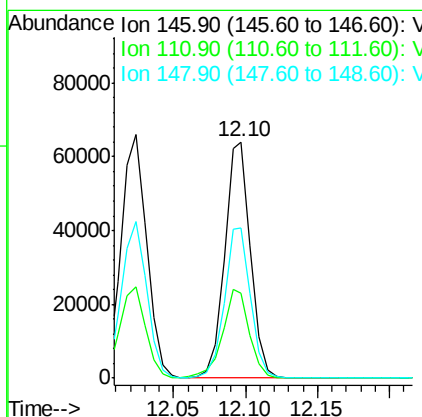
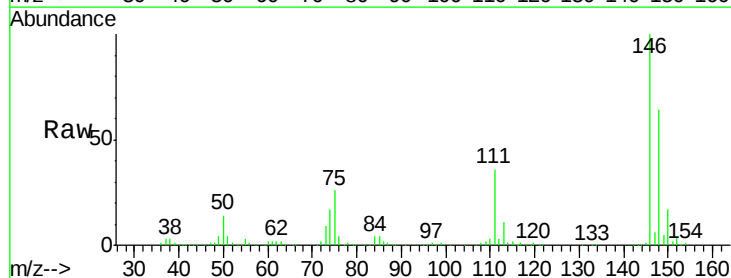
Manual Integrations  
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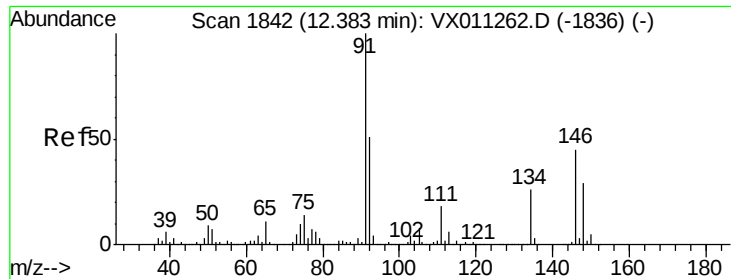
MMDadoda  
 8/12/2019 10:30:04 AM



#88  
 1,4-Dichlorobenzene  
 Concen: 19.352 ug/l  
 RT: 12.10 min Scan# 1795  
 Delta R.T. 0.00 min  
 Lab File: VX011449.D  
 Acq: 11 Aug 2019 23:15

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 39.3  | 17.8  | 53.4  |
| 148     | 64.6  | 31.8  | 95.3  |





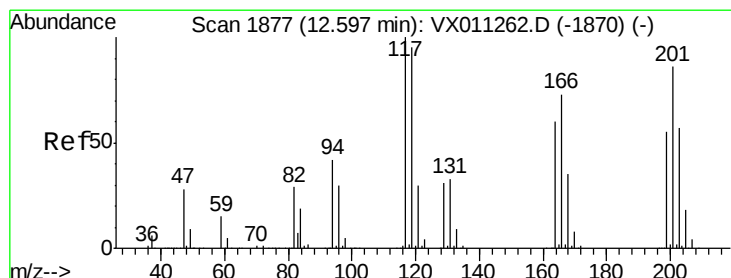
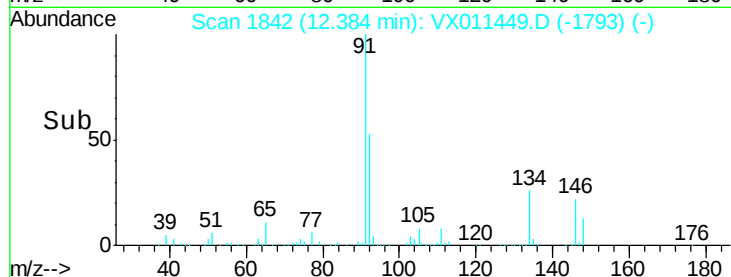
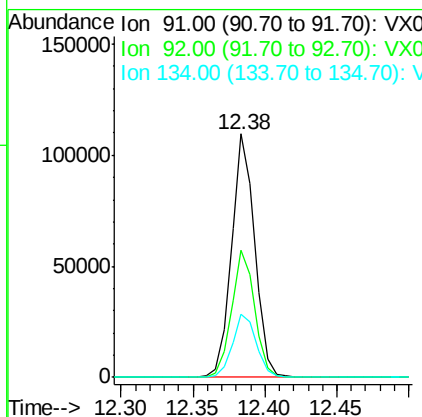
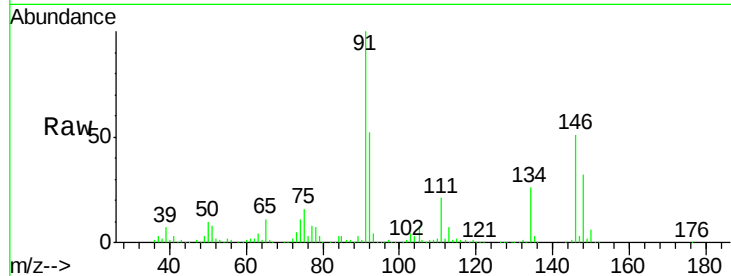
#89  
n-Butylbenzene  
Concen: 19.271 ug/l  
RT: 12.38 min Scan# 1842  
Delta R.T. 0.00 min  
Lab File: VX011449.D  
Acq: 11 Aug 2019 23:15

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0811WBSD02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 52.1  | 25.8  | 77.3  |
| 134     | 26.8  | 13.7  | 41.0  |

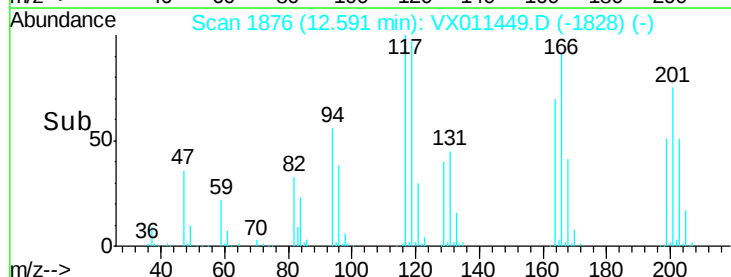
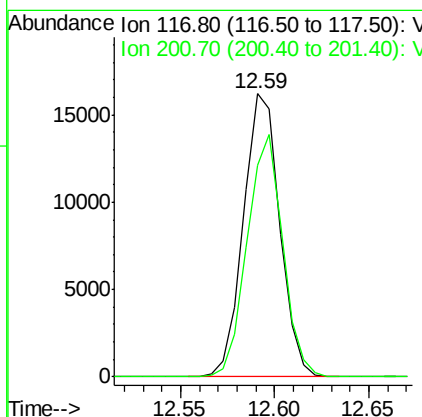
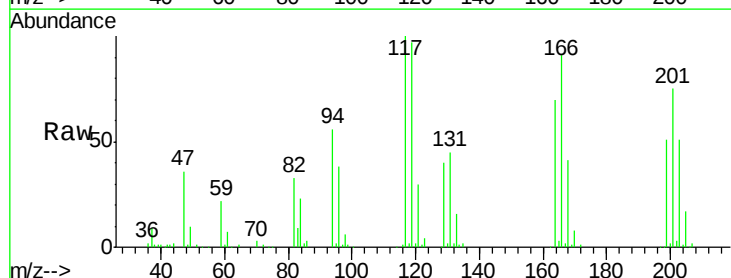
Manual Integrations  
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#90  
Hexachloroethane  
Concen: 19.641 ug/l  
RT: 12.59 min Scan# 1876  
Delta R.T. -0.01 min  
Lab File: VX011449.D  
Acq: 11 Aug 2019 23:15

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 83.8  | 41.8  | 125.4 |





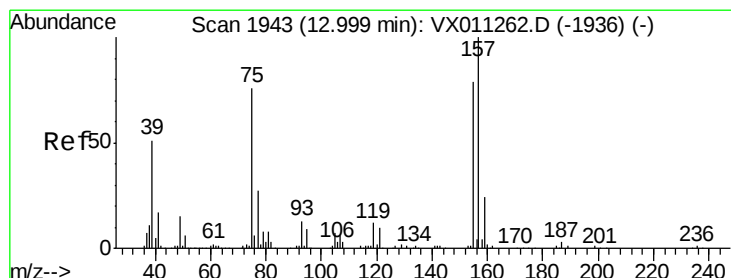
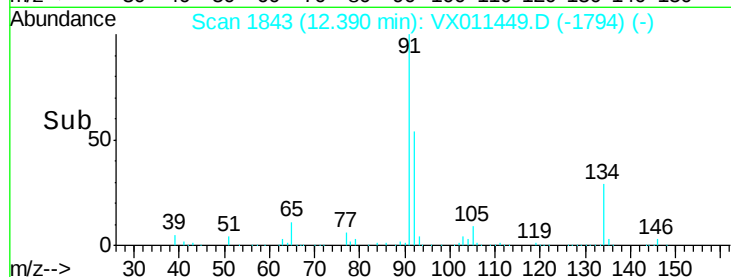
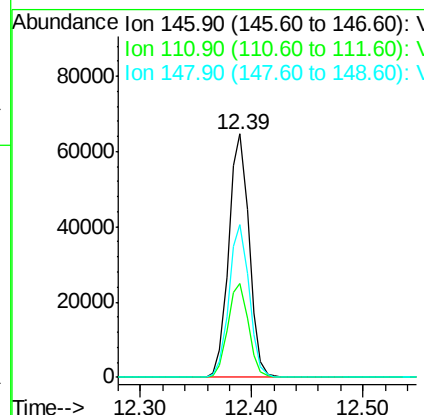
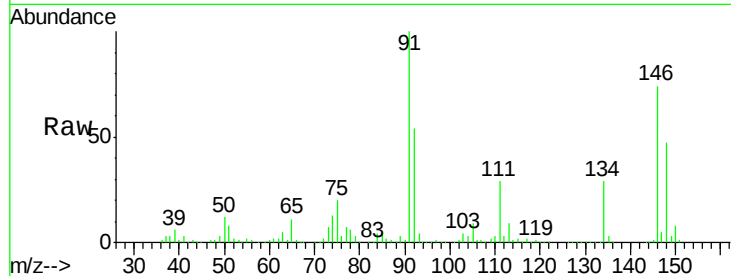
#91  
 1,2-Dichlorobenzene  
 Concen: 20.282 ug/l  
 RT: 12.39 min Scan# 1843  
 Delta R.T. 0.00 min  
 Lab File: VX011449.D  
 Acq: 11 Aug 2019 23:15

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0811WBSD02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 38.9  | 19.1  | 57.1  |
| 148     | 62.3  | 32.3  | 96.8  |

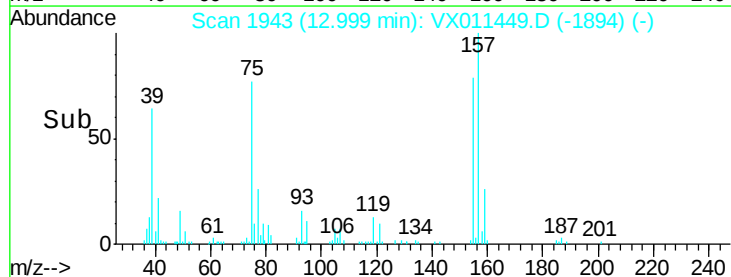
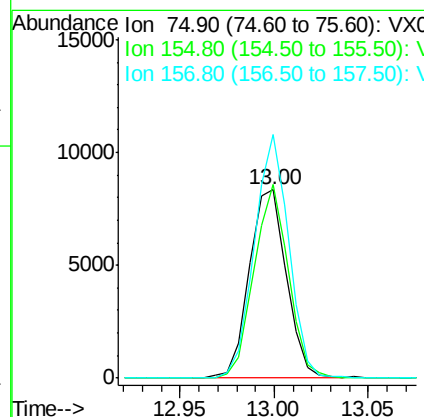
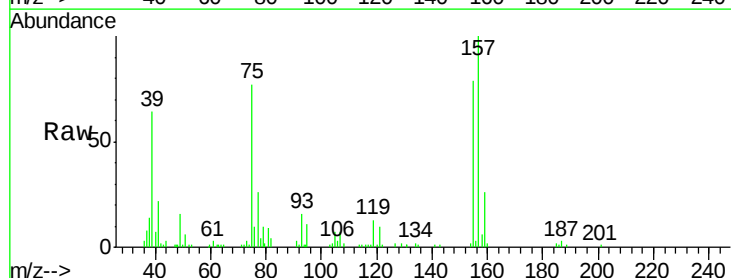
Manual Integrations  
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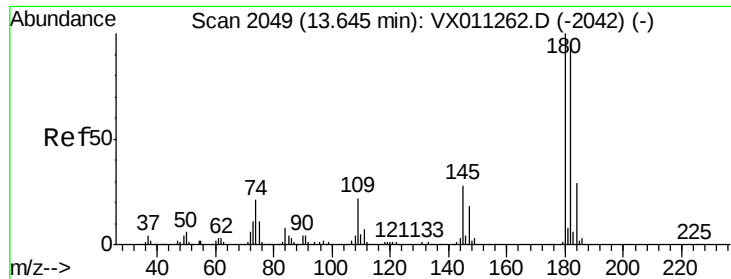
MMDadoda  
 8/12/2019 10:30:04 AM



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 21.473 ug/l  
 RT: 13.00 min Scan# 1943  
 Delta R.T. 0.00 min  
 Lab File: VX011449.D  
 Acq: 11 Aug 2019 23:15

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 94.8  | 51.9  | 155.8 |
| 157     | 119.4 | 64.3  | 192.7 |





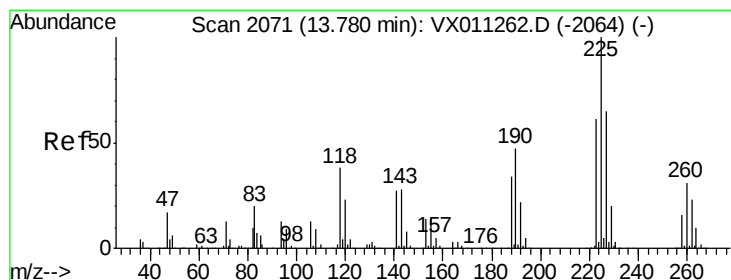
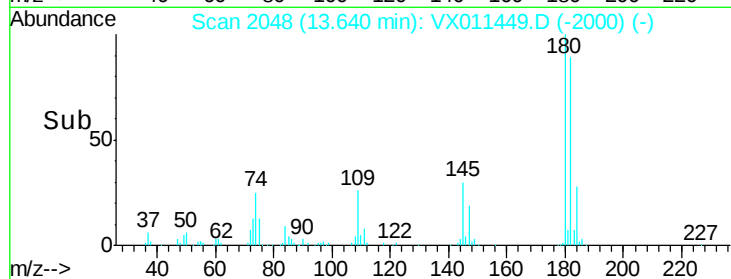
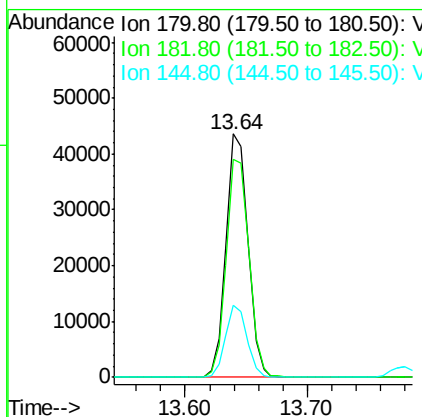
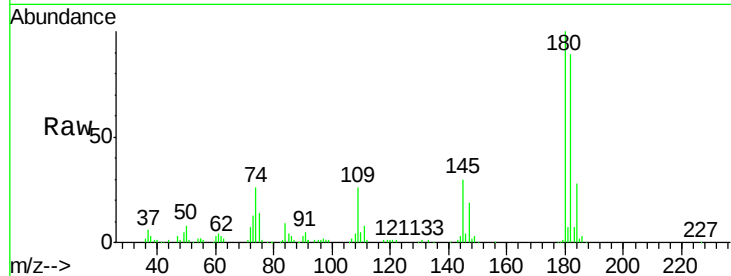
#93  
 1,2,4-Trichlorobenzene  
 Concen: 20.174 ug/l  
 RT: 13.64 min Scan# 2048  
 Delta R.T. -0.01 min  
 Lab File: VX011449.D  
 Acq: 11 Aug 2019 23:15

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0811WBSD02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 92.3  | 47.8  | 143.4 |
| 145     | 29.0  | 14.8  | 44.3  |

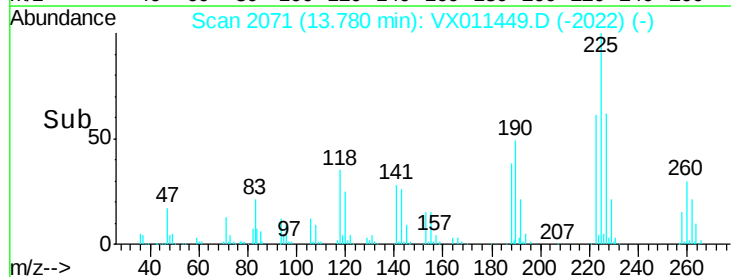
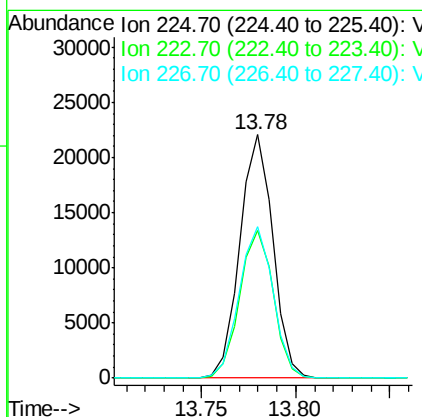
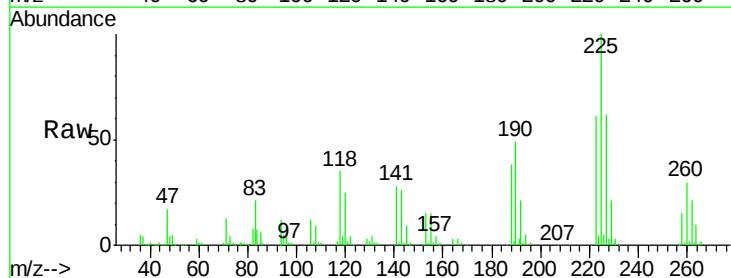
Manual Integrations  
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 8/12/2019 10:30:04 AM



#94  
 Hexachlorobutadiene  
 Concen: 19.757 ug/l  
 RT: 13.78 min Scan# 2071  
 Delta R.T. 0.00 min  
 Lab File: VX011449.D  
 Acq: 11 Aug 2019 23:15

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 61.7  | 31.0  | 93.0  |
| 227     | 63.9  | 32.2  | 96.6  |





#95

Naphthalene

Concen: 20.511 ug/l

RT: 13.83 min Scan# 2079

Delta R.T. -0.01 min

Lab File: VX011449.D

Acq: 11 Aug 2019 23:15

Instrument :

MSVOA\_X

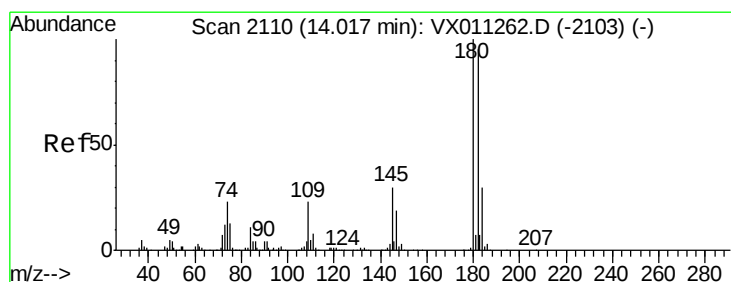
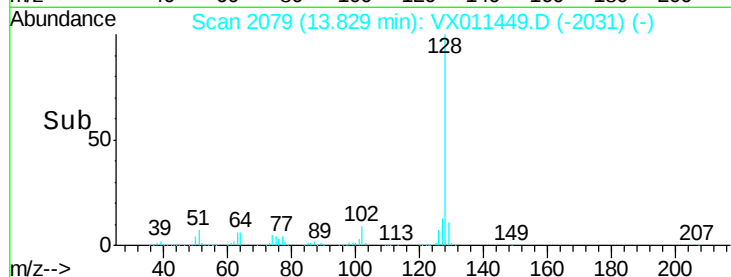
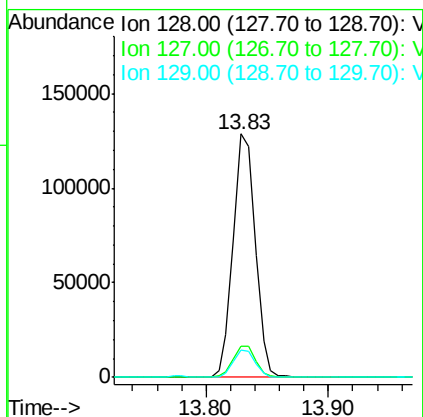
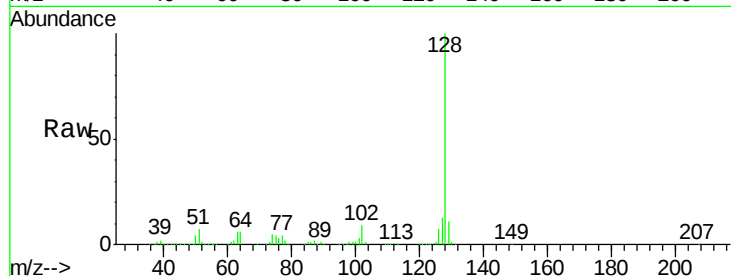
ClientSampled :

VX0811WBSD02

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 128   | Resp: | 160916 |
| Ion Ratio | Lower | Upper |        |
| 128       | 100   |       |        |
| 127       | 13.1  | 10.4  | 15.6   |
| 129       | 11.1  | 8.9   | 13.3   |

Manual Integrations  
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8/12/2019 10:30:04 AM



#96

1,2,3-Trichlorobenzene

Concen: 20.134 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX011449.D

Acq: 11 Aug 2019 23:15

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 180   | Resp: | 54912 |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 94.9  | 47.4  | 142.3 |
| 145       | 30.7  | 15.2  | 45.6  |

