

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081219\  
 Data File : VX011495.D  
 Acq On : 12 Aug 2019 19:46  
 Operator : JC/SP  
 Sample : K4278-02MS  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 Z3-0693MS

Manual Integrations  
 APPROVED

MMDadoda  
 8/14/2019 9:13:57 AM

Quant Time: Aug 13 08:47:39 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      | 5.65  | 168  | 159736   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.85  | 114  | 238599   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.11 | 117  | 220794   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152  | 117721   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 6.06   | 65  | 86507    | 53.78 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 107.56% |      |
| 35) Dibromofluoromethane  | 5.49   | 113 | 77128    | 49.51 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 99.02%  |      |
| 50) Toluene-d8            | 8.71   | 98  | 282322   | 48.01 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 96.02%  |      |
| 62) 4-Bromofluorobenzene  | 11.13  | 95  | 105924   | 50.46 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 100.92% |      |

## Target Compounds

|                               |      |     |        |         | Qvalue |     |
|-------------------------------|------|-----|--------|---------|--------|-----|
| 2) Dichlorodifluoromethane    | 1.19 | 85  | 52619  | 42.651  | ug/l   | 99  |
| 3) Chloromethane              | 1.32 | 50  | 56606  | 40.859  | ug/l   | 100 |
| 4) Vinyl Chloride             | 1.40 | 62  | 64248  | 42.159  | ug/l   | 99  |
| 5) Bromomethane               | 1.63 | 94  | 45672  | 42.022  | ug/l   | 99  |
| 6) Chloroethane               | 1.71 | 64  | 43425  | 45.807  | ug/l   | 99  |
| 7) Trichlorofluoromethane     | 1.92 | 101 | 115700 | 42.699  | ug/l   | 100 |
| 8) Diethyl Ether              | 2.18 | 74  | 40116  | 41.462  | ug/l   | 98  |
| 9) 1,1,2-Trichlorotrifluoroet | 2.37 | 101 | 65059  | 44.375  | ug/l   | 97  |
| 10) Methyl Iodide             | 2.50 | 142 | 74288  | 40.190  | ug/l   | 97  |
| 11) Tert butyl alcohol        | 3.04 | 59  | 77859  | 242.724 | ug/l   | 99  |
| 12) 1,1-Dichloroethene        | 2.37 | 96  | 64128  | 44.124  | ug/l   | 94  |
| 13) Acrolein                  | 2.29 | 56  | 41101  | 206.104 | ug/l   | 100 |
| 14) Allyl chloride            | 2.72 | 41  | 94144  | 48.591  | ug/l   | 96  |
| 15) Acrylonitrile             | 3.14 | 53  | 194833 | 254.527 | ug/l   | 99  |
| 16) Acetone                   | 2.43 | 43  | 167986 | 219.396 | ug/l   | 96  |
| 17) Carbon Disulfide          | 2.56 | 76  | 139926 | 41.028  | ug/l   | 99  |
| 18) Methyl Acetate            | 2.76 | 43  | 84683  | 48.396  | ug/l   | 100 |
| 19) Methyl tert-butyl Ether   | 3.19 | 73  | 220600 | 51.507  | ug/l   | 97  |
| 20) Methylene Chloride        | 2.85 | 84  | 75826  | 45.219  | ug/l   | 97  |
| 21) trans-1,2-Dichloroethene  | 3.16 | 96  | 81587  | 53.069  | ug/l   | 93  |
| 22) Diisopropyl ether         | 3.85 | 45  | 211381 | 49.640  | ug/l   | 97  |
| 23) Vinyl Acetate             | 3.81 | 43  | 842058 | 238.418 | ug/l   | 98  |
| 24) 1,1-Dichloroethane        | 3.69 | 63  | 121884 | 48.541  | ug/l   | 98  |
| 25) 2-Butanone                | 4.67 | 43  | 271220 | 249.015 | ug/l   | 99  |
| 26) 2,2-Dichloropropane       | 4.57 | 77  | 77494  | 39.702  | ug/l   | 100 |
| 27) cis-1,2-Dichloroethene    | 4.59 | 96  | 86012  | 48.572  | ug/l   | 99  |
| 28) Bromochloromethane        | 5.01 | 49  | 56055  | 48.969  | ug/l   | 96  |
| 29) Tetrahydrofuran           | 5.12 | 42  | 170398 | 255.153 | ug/l   | 98  |
| 30) Chloroform                | 5.20 | 83  | 138733 | 50.836  | ug/l   | 98  |
| 31) Cyclohexane               | 5.57 | 56  | 93077  | 44.930  | ug/l   | 94  |
| 32) 1,1,1-Trichloroethane     | 5.49 | 97  | 119694 | 51.199  | ug/l   | 98  |
| 36) 1,1-Dichloropropene       | 5.79 | 75  | 91657  | 43.998  | ug/l   | 99  |
| 37) Ethyl Acetate             | 4.82 | 43  | 94548  | 45.247  | ug/l   | 98  |
| 38) Carbon Tetrachloride      | 5.78 | 117 | 104574 | 49.896  | ug/l   | 99  |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX081219\  
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 Operator : JC/SP  
 Sample : K4278-02MS  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleID :  
 Z3-0693MS

Manual Integrations  
 APPROVED

MMDadoda  
 8/14/2019 9:13:57 AM

Quant Time: Aug 13 08:47:39 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   | 99985    | 40.492  | ug/l   | 96       |
| 40) Benzene                    | 6.13  | 78   | 288671   | 46.437  | ug/l   | 96       |
| 41) Methacrylonitrile          | 5.03  | 41   | 57421    | 50.317  | ug/l   | 96       |
| 42) 1,2-Dichloroethane         | 6.18  | 62   | 109254   | 51.974  | ug/l   | 97       |
| 43) Isopropyl Acetate          | 6.44  | 43   | 155123   | 46.433  | ug/l   | 99       |
| 44) Trichloroethene            | 7.21  | 130  | 82190    | 43.680  | ug/l   | 98       |
| 45) 1,2-Dichloropropane        | 7.51  | 63   | 75198    | 46.709  | ug/l   | 98       |
| 46) Dibromomethane             | 7.66  | 93   | 55105    | 46.887  | ug/l   | 96       |
| 47) Bromodichloromethane       | 7.90  | 83   | 103099   | 51.813  | ug/l   | 98       |
| 48) Methyl methacrylate        | 7.76  | 41   | 82871    | 52.710  | ug/l   | 95       |
| 49) 1,4-Dioxane                | 7.74  | 88   | 37045    | 812.747 | ug/l   | 95       |
| 51) 4-Methyl-2-Pentanone       | 8.64  | 43   | 559558   | 259.533 | ug/l   | 99       |
| 52) Toluene                    | 8.78  | 92   | 192531   | 46.843  | ug/l   | 100      |
| 53) t-1,3-Dichloropropene      | 9.04  | 75   | 103454   | 44.947  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene    | 8.43  | 75   | 113267   | 48.730  | ug/l   | 97       |
| 55) 1,1,2-Trichloroethane      | 9.21  | 97   | 83759    | 49.565  | ug/l   | 97       |
| 56) Ethyl methacrylate         | 9.18  | 69   | 121663   | 50.520  | ug/l   | 97       |
| 57) 1,3-Dichloropropane        | 9.37  | 76   | 127005   | 47.522  | ug/l   | 99       |
| 59) 2-Hexanone                 | 9.49  | 43   | 434412   | 260.131 | ug/l   | 98       |
| 60) Dibromochloromethane       | 9.58  | 129  | 89911    | 51.968  | ug/l   | 98       |
| 61) 1,2-Dibromoethane          | 9.67  | 107  | 89358    | 48.943  | ug/l   | 98       |
| 64) Tetrachloroethene          | 9.34  | 164  | 77868    | 41.528  | ug/l   | 97       |
| 65) Chlorobenzene              | 10.13 | 112  | 220630   | 46.604  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane  | 10.22 | 131  | 82535    | 50.924  | ug/l   | 99       |
| 67) Ethyl Benzene              | 10.25 | 91   | 381561   | 48.126  | ug/l   | 99       |
| 68) m/p-Xylenes                | 10.35 | 106  | 291120   | 94.929  | ug/l   | 97       |
| 69) o-Xylene                   | 10.69 | 106  | 142416   | 47.265  | ug/l   | 97       |
| 70) Styrene                    | 10.71 | 104  | 250026   | 50.149  | ug/l   | 97       |
| 71) Bromoform                  | 10.85 | 173  | 67306    | 46.647  | ug/l # | 100      |
| 73) Isopropylbenzene           | 11.02 | 105  | 387369   | 48.113  | ug/l   | 99       |
| 74) N-amyl acetate             | 10.90 | 43   | 137844   | 47.382  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane  | 11.27 | 83   | 131620   | 49.055  | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane     | 11.29 | 75   | 111183m  | 51.862  | ug/l   |          |
| 77) Bromobenzene               | 11.25 | 156  | 104575   | 46.840  | ug/l   | 96       |
| 78) n-propylbenzene            | 11.36 | 91   | 426707   | 47.658  | ug/l   | 98       |
| 79) 2-Chlorotoluene            | 11.42 | 91   | 255397   | 47.858  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene     | 11.51 | 105  | 325877   | 48.351  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-buten | 11.07 | 75   | 33114    | 42.038  | ug/l   | 94       |
| 82) 4-Chlorotoluene            | 11.51 | 91   | 296505   | 47.674  | ug/l   | 97       |
| 83) tert-Butylbenzene          | 11.77 | 119  | 320353   | 48.463  | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene     | 11.80 | 105  | 328600   | 48.970  | ug/l   | 100      |
| 85) sec-Butylbenzene           | 11.94 | 105  | 369766   | 46.559  | ug/l   | 99       |
| 86) p-Isopropyltoluene         | 12.06 | 119  | 345253   | 47.254  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene        | 12.02 | 146  | 184743   | 46.833  | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene        | 12.10 | 146  | 184017   | 45.239  | ug/l   | 97       |
| 89) n-Butylbenzene             | 12.38 | 91   | 284049   | 45.126  | ug/l   | 99       |
| 90) Hexachloroethane           | 12.60 | 117  | 53548    | 49.573  | ug/l   | 96       |
| 91) 1,2-Dichlorobenzene        | 12.39 | 146  | 184426   | 46.530  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 13.00 | 75   | 28001    | 53.866  | ug/l   | 92       |
| 93) 1,2,4-Trichlorobenzene     | 13.65 | 180  | 120386   | 45.799  | ug/l   | 98       |

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Operator : JC/SP  
Sample : K4278-02MS  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
Z3-0693MS

Manual Integrations  
APPROVED

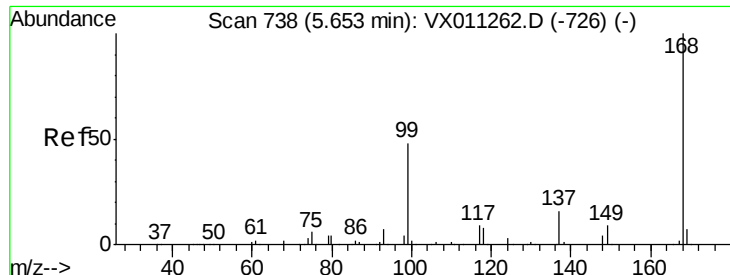
MMDadoda  
8/14/2019 9:13:57 AM

Quant Time: Aug 13 08:47:39 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) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 94) Hexachlorobutadiene    | 13.78 | 225  | 56124    | 42.084 | ug/l  | 99       |
| 95) Naphthalene            | 13.83 | 128  | 383416   | 49.879 | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 14.02 | 180  | 123174   | 46.093 | ug/l  | 100      |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.00 min

Lab File: VX011495.D

Acq: 12 Aug 2019 19:46

Instrument :

MSVOA\_X

ClientSampleId :

Z3-0693MS

Tot Ion:168 Resp: 159736

Ion Ratio Lower Upper

168 100

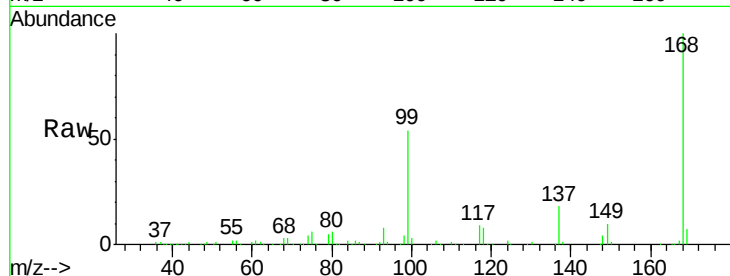
99 53.7 38.5 57.7

Manual Integrations

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8/14/2019 9:13:57 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

60000

50000

40000

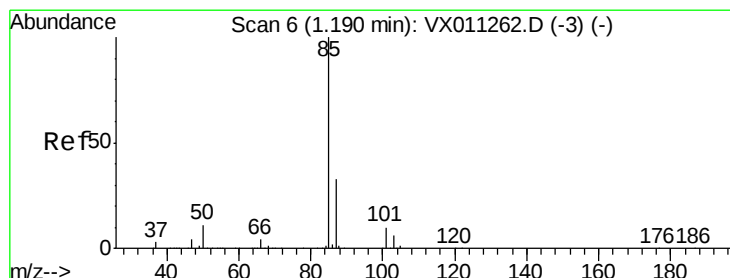
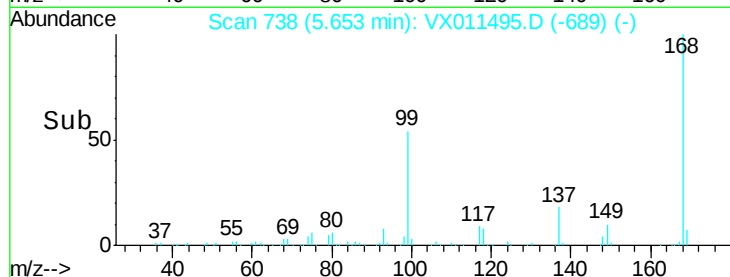
30000

20000

10000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 42.651 ug/l

RT: 1.19 min Scan# 6

Delta R.T. -0.00 min

Lab File: VX011495.D

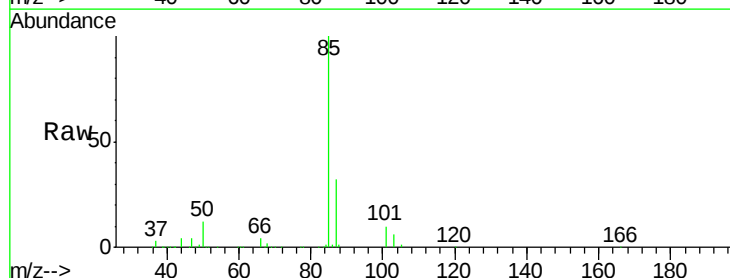
Acq: 12 Aug 2019 19:46

Tgt Ion: 85 Resp: 52619

Ion Ratio Lower Upper

85 100

87 32.0 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

60000

50000

40000

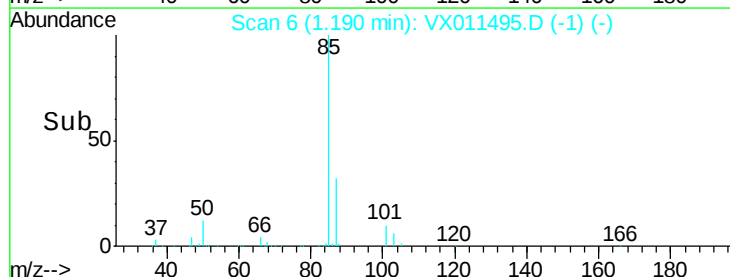
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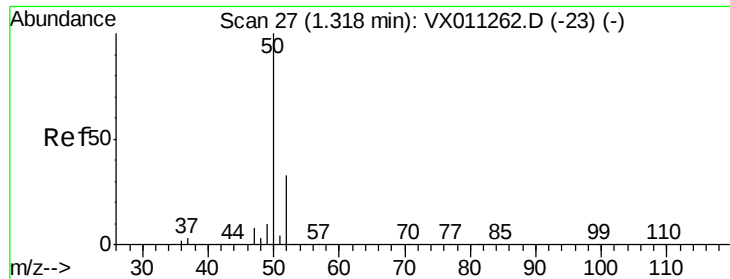
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Time-->





#3

Chloromethane

Concen: 40.859 ug/l

RT: 1.32 min Scan# 27

Delta R.T. -0.00 min

Lab File: VX011495.D

Acq: 12 Aug 2019 19:46

Instrument :

MSVOA\_X

ClientSampleId :

Z3-0693MS

Tot Ion: 50 Resp: 56606

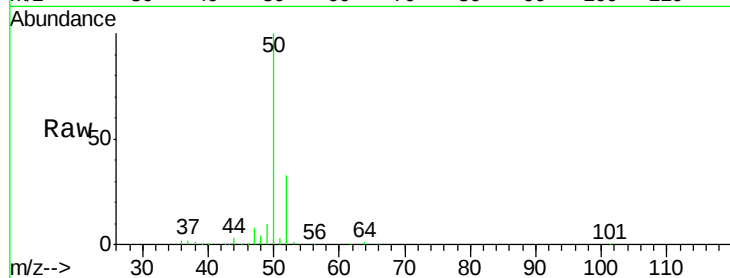
Ion Ratio Lower Upper

50 100

52 33.0 26.4 39.6

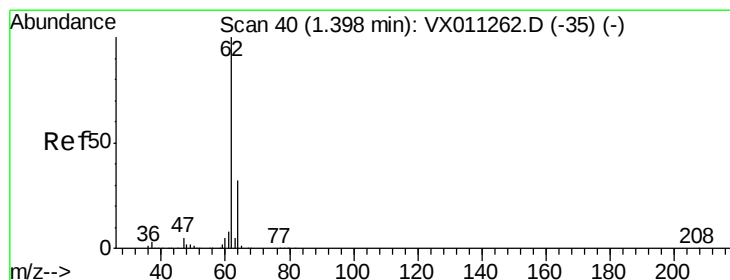
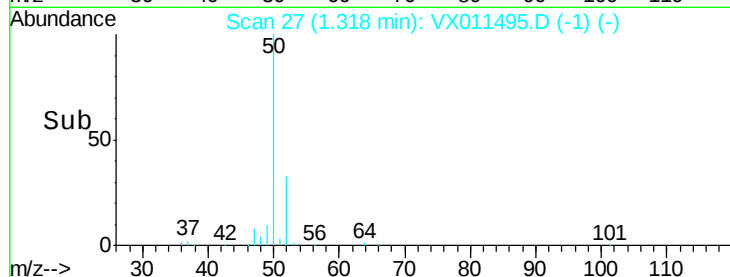
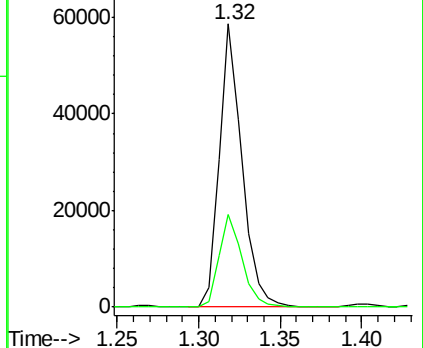
Manual Integrations  
APPROVED

MMDadoda  
8/14/2019 9:13:57 AM



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 42.159 ug/l

RT: 1.40 min Scan# 40

Delta R.T. -0.00 min

Lab File: VX011495.D

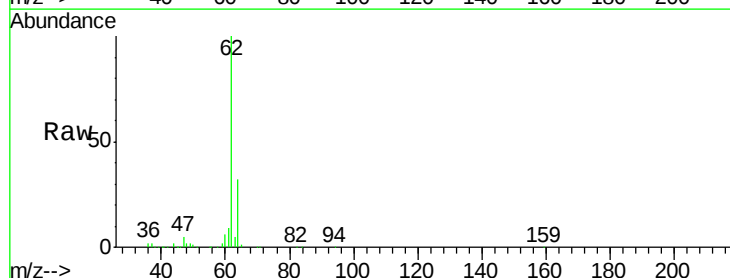
Acq: 12 Aug 2019 19:46

Tgt Ion: 62 Resp: 64248

Ion Ratio Lower Upper

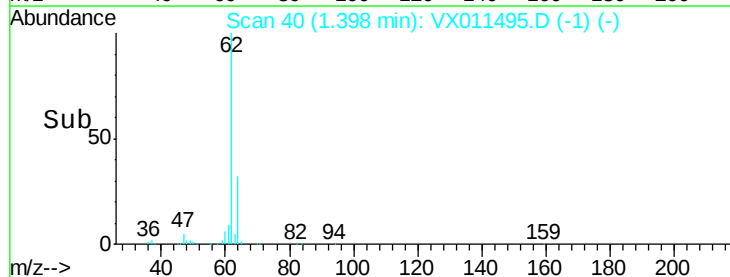
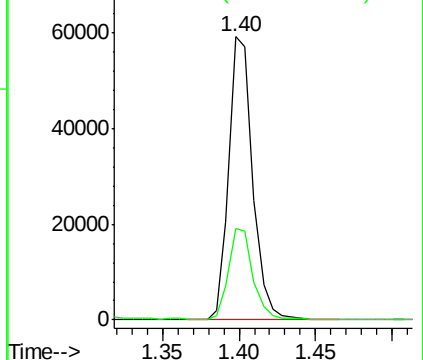
62 100

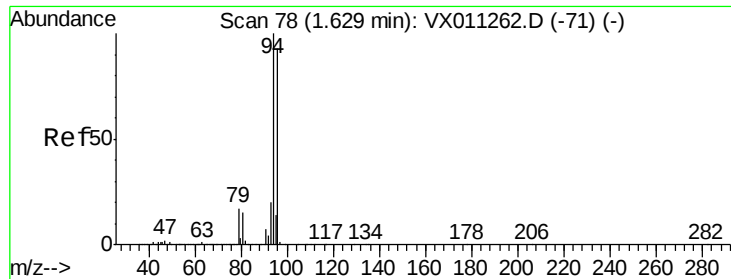
64 32.1 26.0 39.0



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 42.022 ug/l

RT: 1.63 min Scan# 78

Delta R.T. -0.00 min

Lab File: VX011495.D

Acq: 12 Aug 2019 19:46

Instrument :

MSVOA\_X

ClientSampleId :

Z3-0693MS

Tot Ion: 94 Resp: 45672

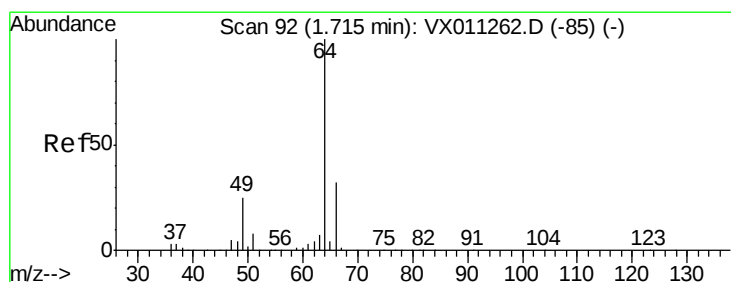
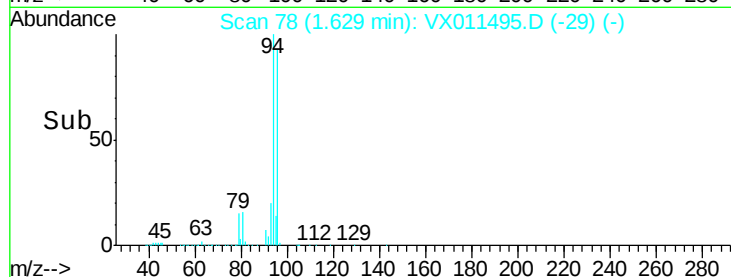
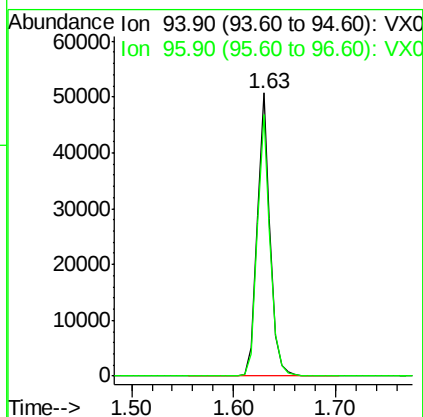
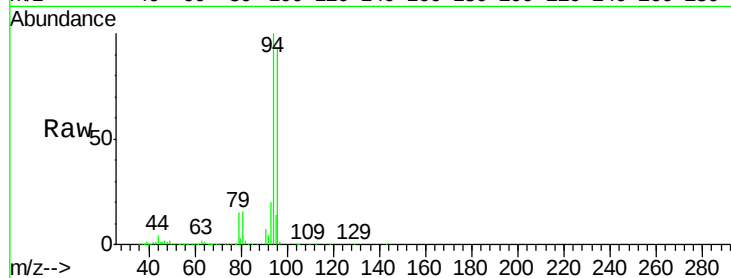
Ion Ratio Lower Upper

94 100

96 92.6 74.6 112.0

Manual Integrations  
APPROVED

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8/14/2019 9:13:57 AM



#6

Chloroethane

Concen: 45.807 ug/l

RT: 1.71 min Scan# 91

Delta R.T. -0.01 min

Lab File: VX011495.D

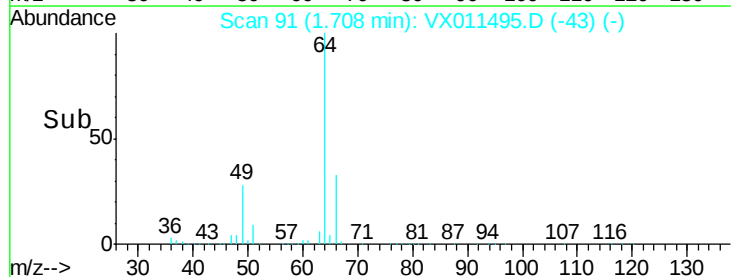
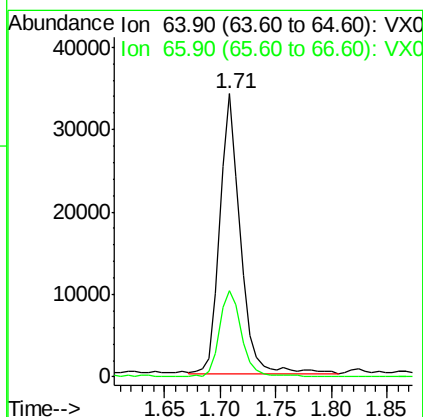
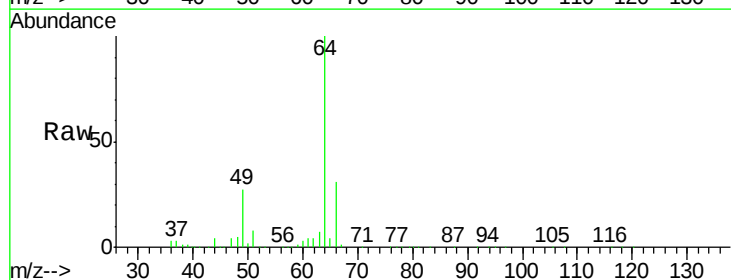
Acq: 12 Aug 2019 19:46

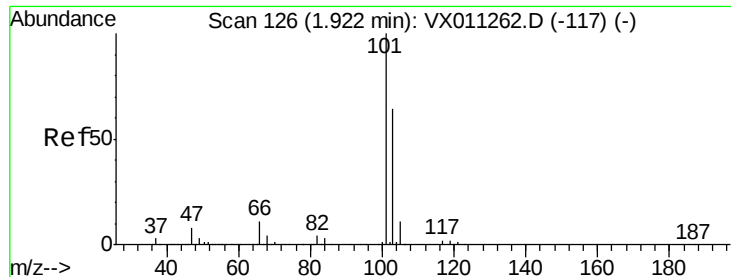
Tgt Ion: 64 Resp: 43425

Ion Ratio Lower Upper

64 100

66 31.1 25.1 37.7





#7

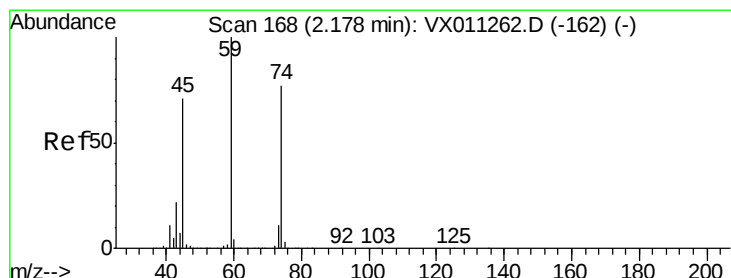
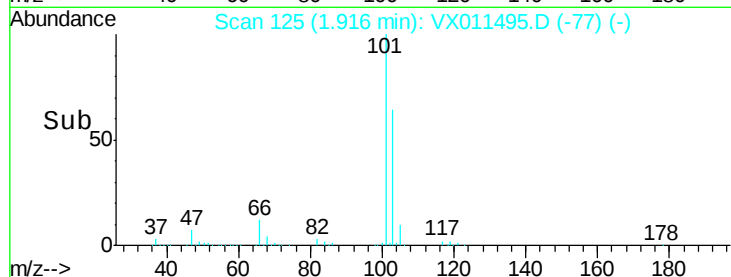
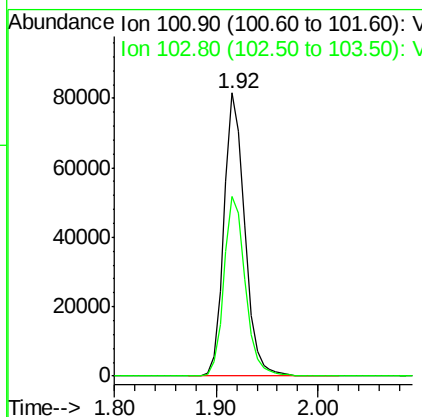
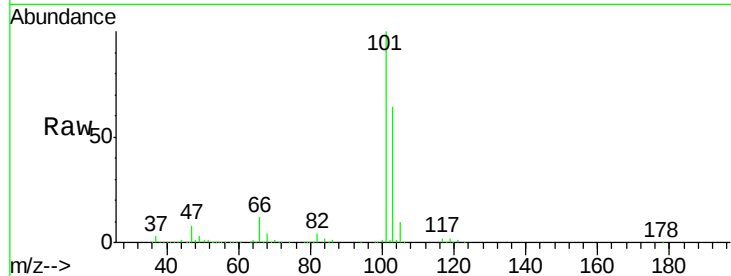
Trichlorofluoromethane  
Concen: 42.699 ug/l  
RT: 1.92 min Scan# 125  
Delta R.T. -0.01 min  
Lab File: VX011495.D  
Acq: 12 Aug 2019 19:46

Instrument :  
MSVOA\_X  
ClientSampleId :  
Z3-0693MS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 101     | 100   | 115700 |       |       |
| 103     | 63.6  | 50.9   | 76.3  |       |

Manual Integrations  
APPROVED

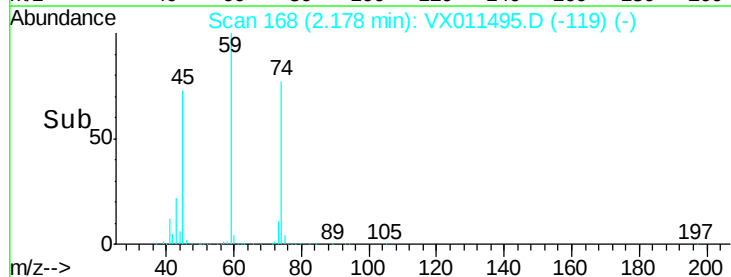
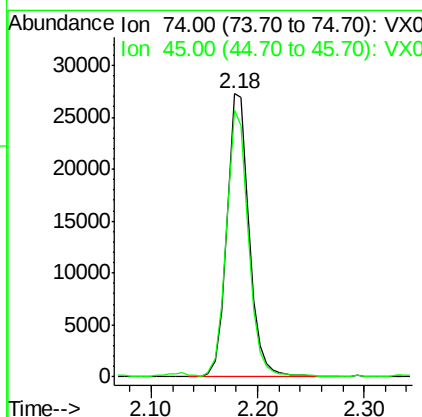
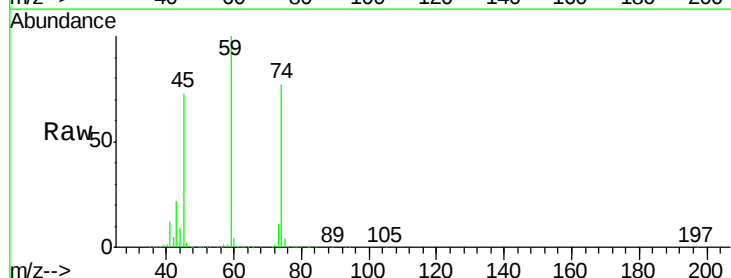
MMDadoda  
8/14/2019 9:13:57 AM

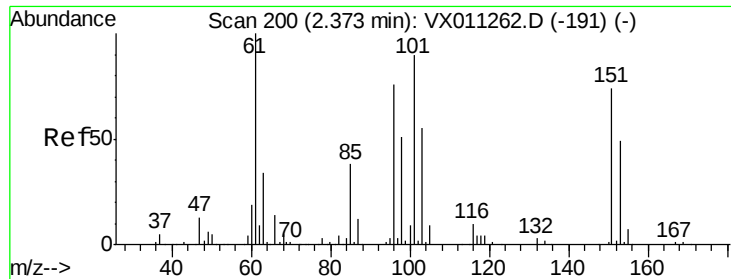


#8

Diethyl Ether  
Concen: 41.462 ug/l  
RT: 2.18 min Scan# 168  
Delta R.T. -0.00 min  
Lab File: VX011495.D  
Acq: 12 Aug 2019 19:46

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 74      | 100   | 40116 |       |       |
| 45      | 93.8  | 46.1  | 138.3 |       |





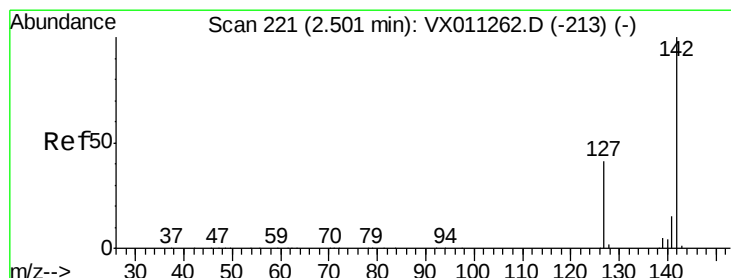
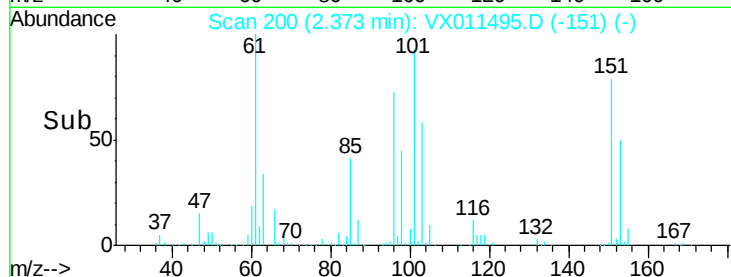
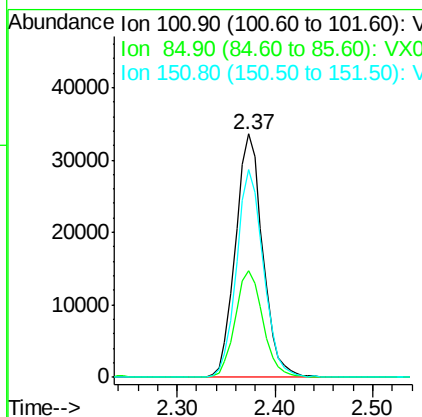
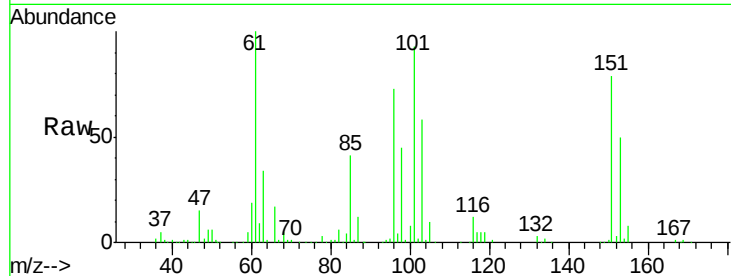
#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 44.375 ug/l  
RT: 2.37 min Scan# 200  
Delta R.T. -0.00 min  
Lab File: VX011495.D  
Acq: 12 Aug 2019 19:46

Instrument :  
MSVOA\_X  
ClientSampleId :  
Z3-0693MS

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 101     | 100   | 65059 |       |       |
| 85      | 44.6  | 33.8  | 50.6  |       |
| 151     | 84.3  | 69.5  | 104.3 |       |

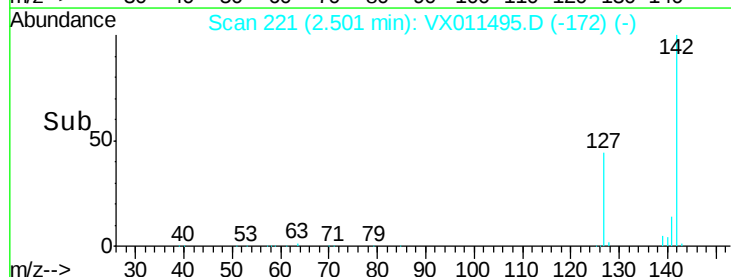
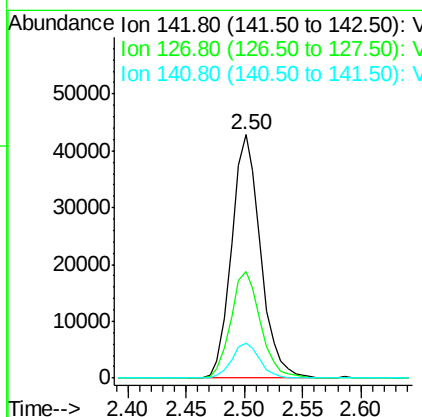
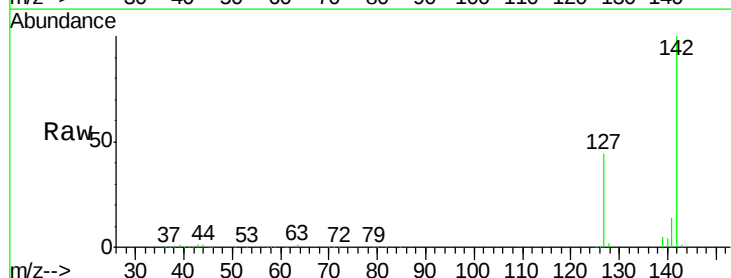
Manual Integrations  
APPROVED

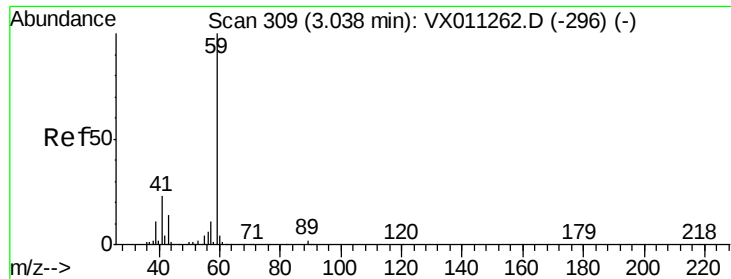
MMDadoda  
8/14/2019 9:13:57 AM



#10  
Methyl Iodide  
Concen: 40.190 ug/l  
RT: 2.50 min Scan# 221  
Delta R.T. -0.00 min  
Lab File: VX011495.D  
Acq: 12 Aug 2019 19:46

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 142     | 100   | 74288 |       |       |
| 127     | 45.0  | 33.8  | 50.8  |       |
| 141     | 14.1  | 11.4  | 17.2  |       |





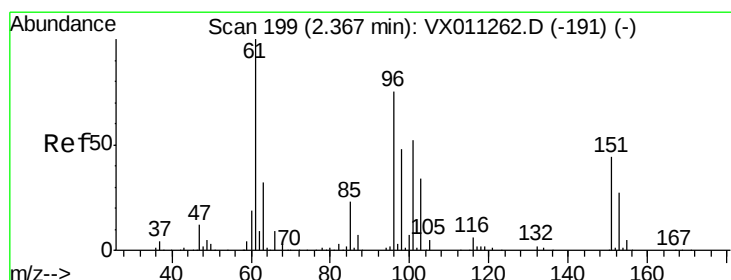
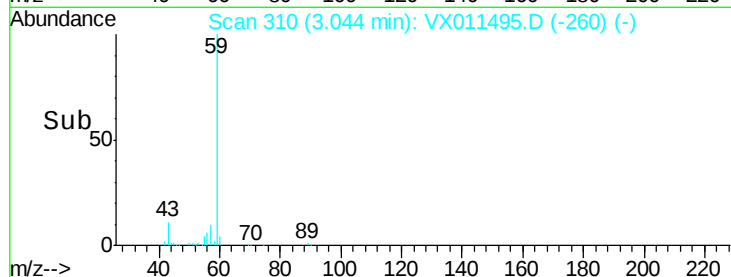
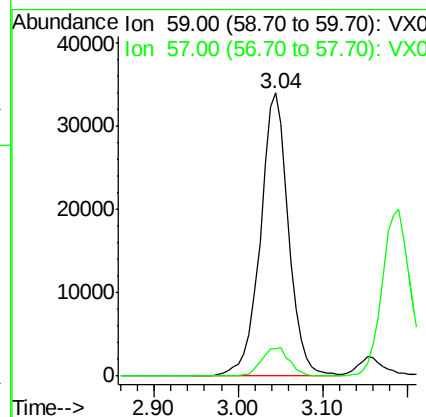
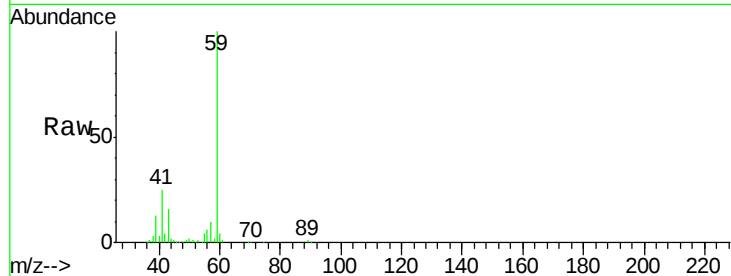
#11  
Tert butyl alcohol  
Concen: 242.724 ug/l  
RT: 3.04 min Scan# 310  
Delta R.T. 0.01 min  
Lab File: VX011495.D  
Acq: 12 Aug 2019 19:46

Instrument :  
MSVOA\_X  
ClientSampleId :  
Z3-0693MS

Tot Ion: 59 Resp: 77859  
Ion Ratio Lower Upper  
59 100  
57 10.2 8.3 12.5

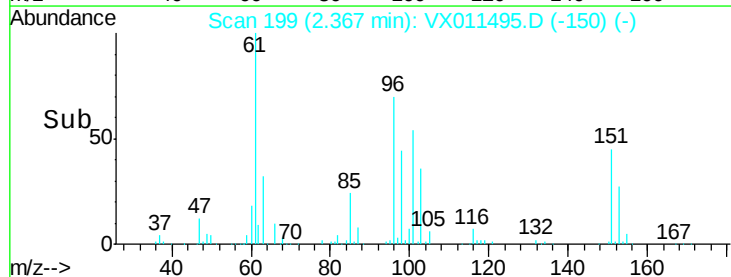
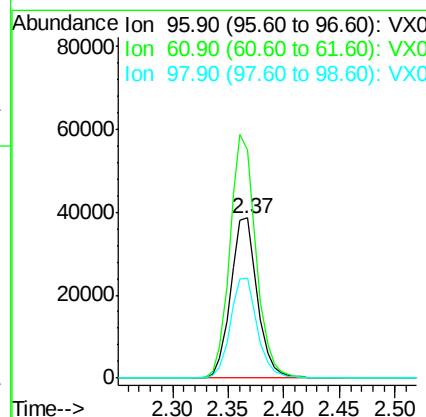
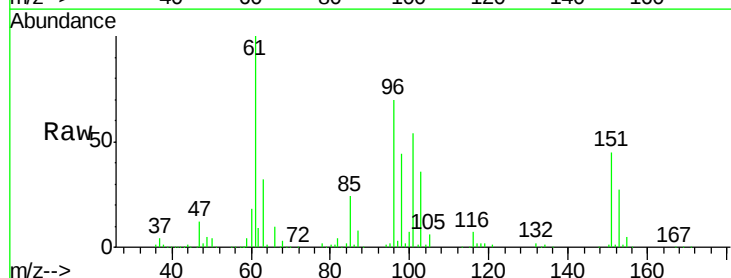
Manual Integrations  
APPROVED

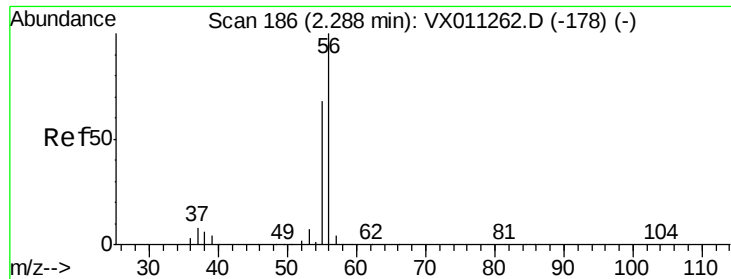
MMDadoda  
8/14/2019 9:13:57 AM



#12  
1,1-Dichloroethene  
Concen: 44.124 ug/l  
RT: 2.37 min Scan# 199  
Delta R.T. -0.00 min  
Lab File: VX011495.D  
Acq: 12 Aug 2019 19:46

Tgt Ion: 96 Resp: 64128  
Ion Ratio Lower Upper  
96 100  
61 142.6 106.2 159.2  
98 62.5 50.6 75.8





#13

Acrolein

Concen: 206.104 ug/l

RT: 2.29 min Scan# 186

Delta R.T. 0.00 min

Lab File: VX011495.D

Acq: 12 Aug 2019 19:46

Instrument :

MSVOA\_X

ClientSampleId :

Z3-0693MS

Tot Ion: 56 Resp: 41101

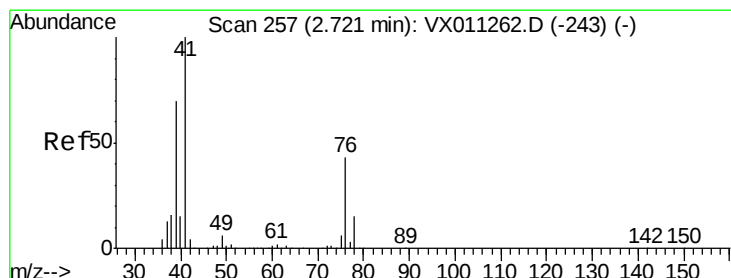
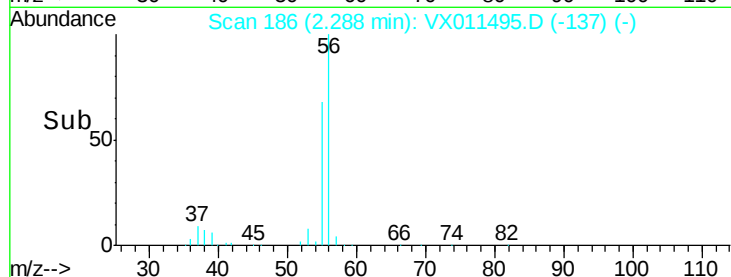
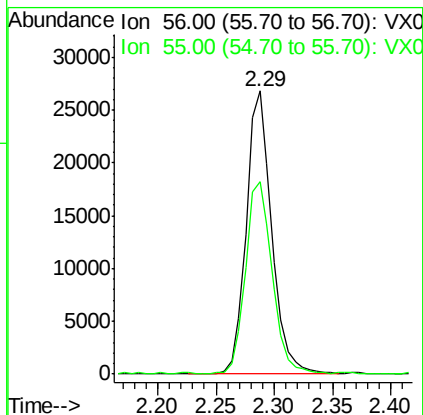
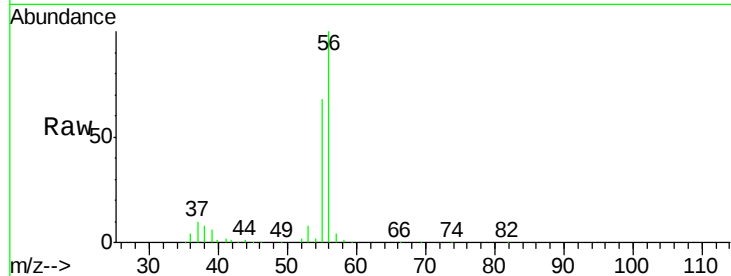
Ion Ratio Lower Upper

56 100

55 70.2 56.0 84.0

Manual Integrations  
APPROVED

MMDadoda  
8/14/2019 9:13:57 AM



#14

Allyl chloride

Concen: 48.591 ug/l

RT: 2.72 min Scan# 257

Delta R.T. -0.00 min

Lab File: VX011495.D

Acq: 12 Aug 2019 19:46

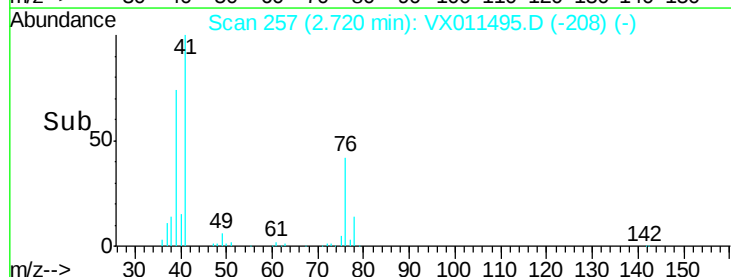
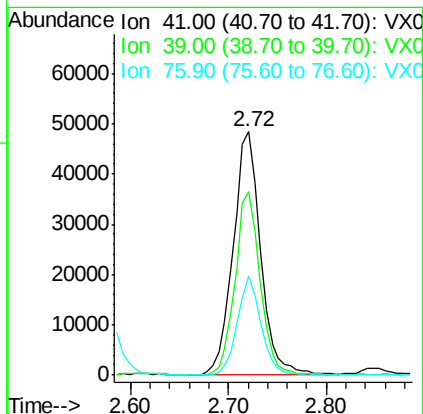
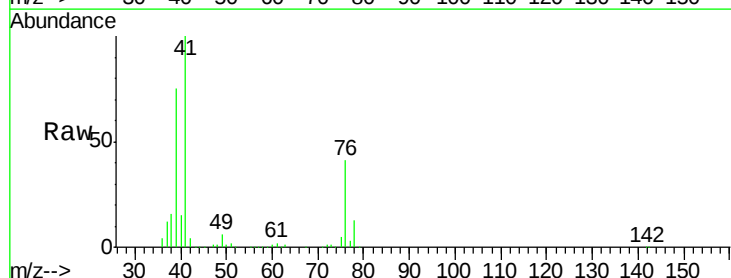
Tgt Ion: 41 Resp: 94144

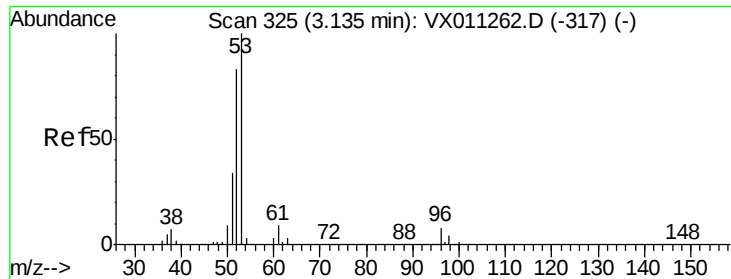
Ion Ratio Lower Upper

41 100

39 68.8 52.8 79.2

76 35.5 31.1 46.7





#15

Acrylonitrile

Concen: 254.527 ug/l

RT: 3.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VX011495.D

Acq: 12 Aug 2019 19:46

Instrument :

MSVOA\_X

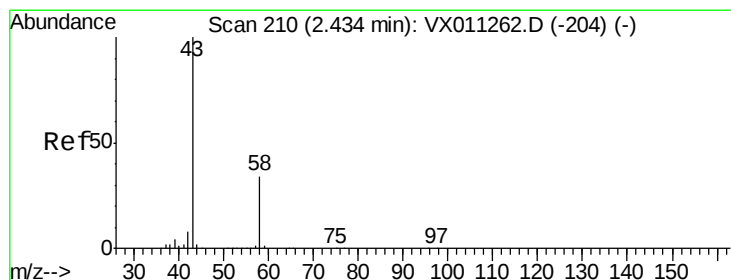
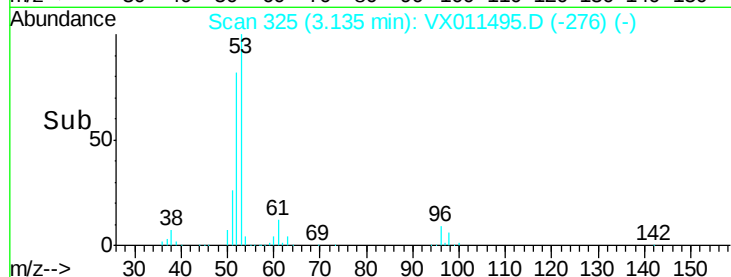
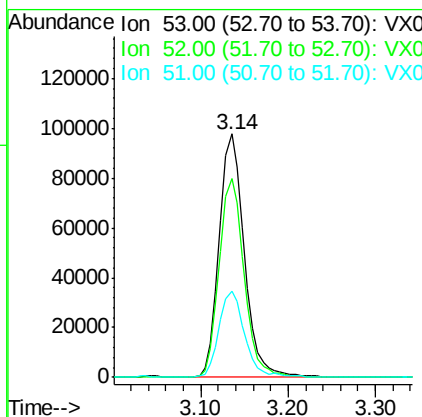
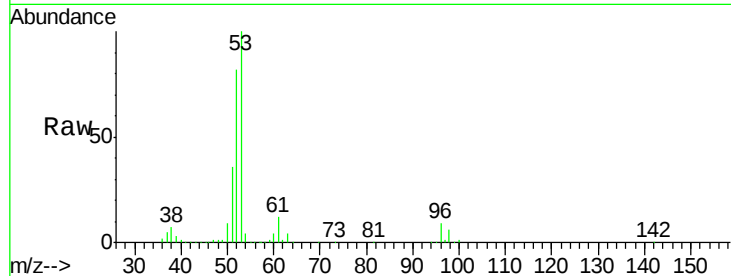
ClientSampleId :

Z3-0693MS

|           |      |       |        |
|-----------|------|-------|--------|
| Tot Ion:  | 53   | Resp: | 194833 |
| Ion Ratio |      | Lower | Upper  |
| 53        | 100  |       |        |
| 52        | 81.3 | 65.5  | 98.3   |
| 51        | 36.3 | 27.9  | 41.9   |

Manual Integrations  
APPROVED

MMDadoda  
8/14/2019 9:13:57 AM



#16

Acetone

Concen: 219.396 ug/l

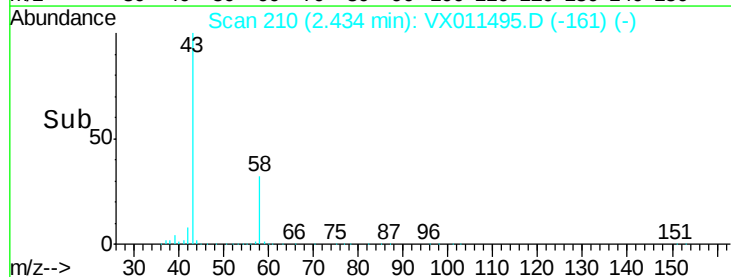
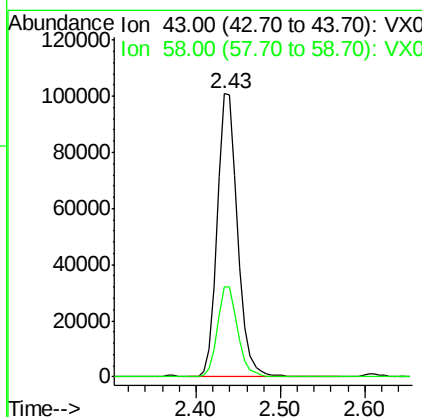
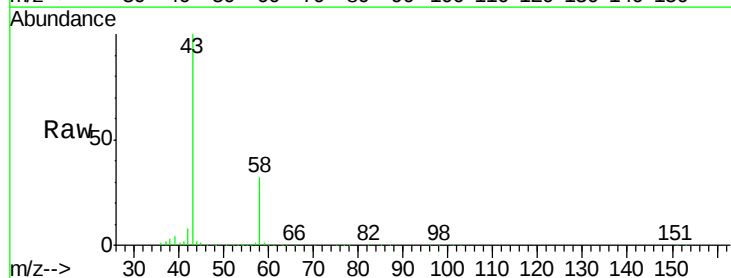
RT: 2.43 min Scan# 210

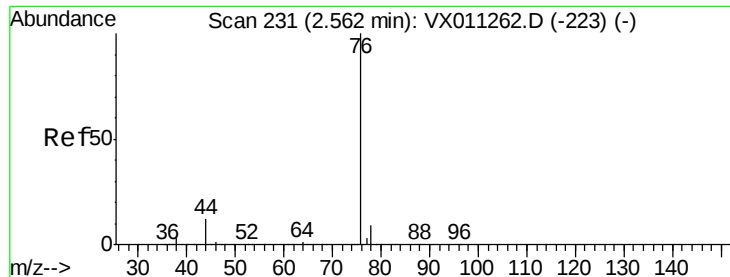
Delta R.T. -0.00 min

Lab File: VX011495.D

Acq: 12 Aug 2019 19:46

|           |      |       |        |
|-----------|------|-------|--------|
| Tgt Ion:  | 43   | Resp: | 167986 |
| Ion Ratio |      | Lower | Upper  |
| 43        | 100  |       |        |
| 58        | 31.8 | 27.4  | 41.0   |





#17

Carbon Disulfide

Concen: 41.028 ug/l

RT: 2.56 min Scan# 231

Delta R.T. -0.00 min

Lab File: VX011495.D

Acq: 12 Aug 2019 19:46

Instrument :

MSVOA\_X

ClientSampleId :

Z3-0693MS

Tot Ion: 76 Resp: 139926

Ion Ratio Lower Upper

76 100

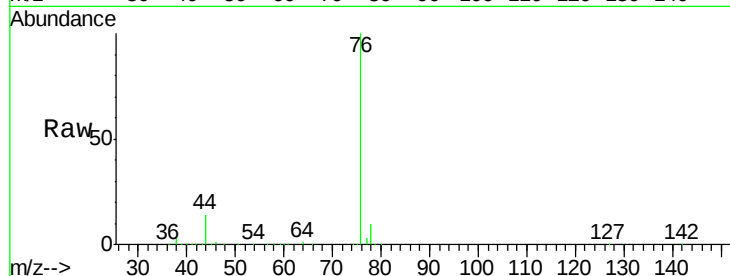
78 9.7 7.4 11.0

Manual Integrations

APPROVED

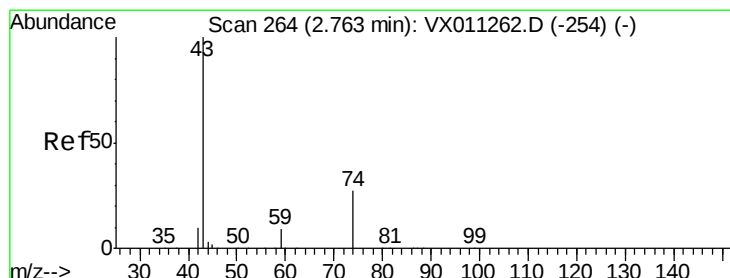
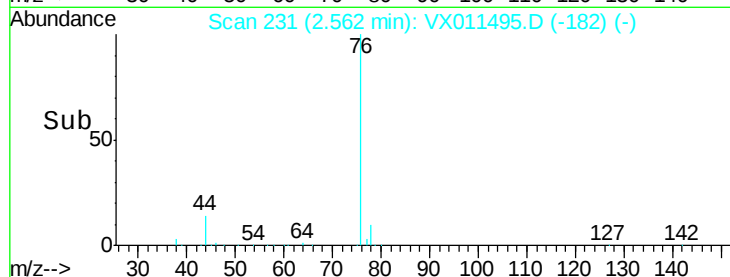
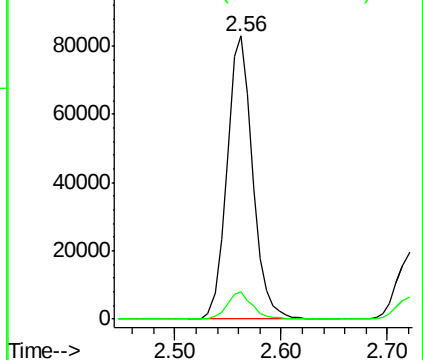
MMDadoda

8/14/2019 9:13:57 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 48.396 ug/l

RT: 2.76 min Scan# 264

Delta R.T. -0.00 min

Lab File: VX011495.D

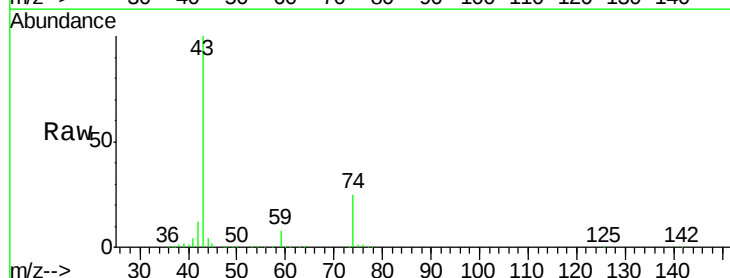
Acq: 12 Aug 2019 19:46

Tgt Ion: 43 Resp: 84683

Ion Ratio Lower Upper

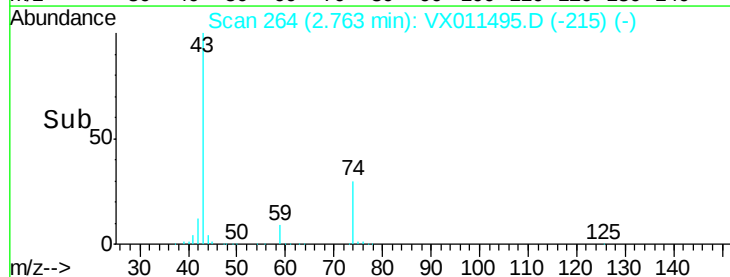
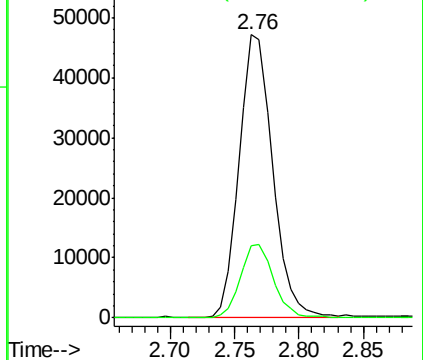
43 100

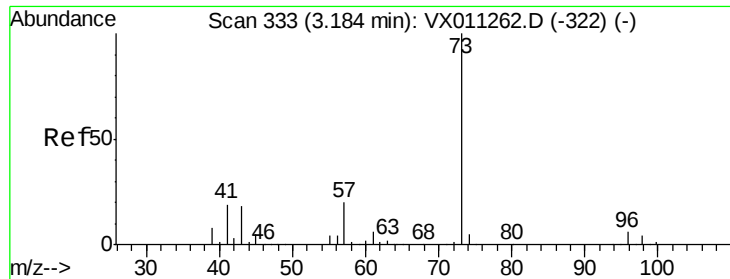
74 26.3 21.0 31.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





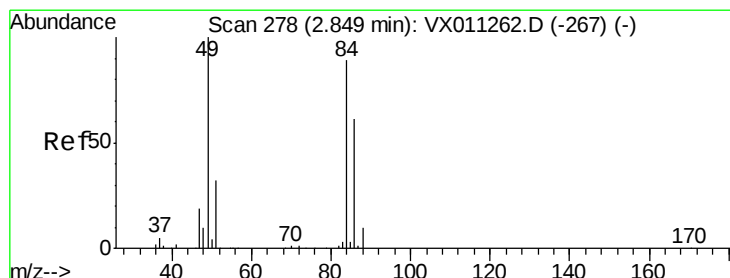
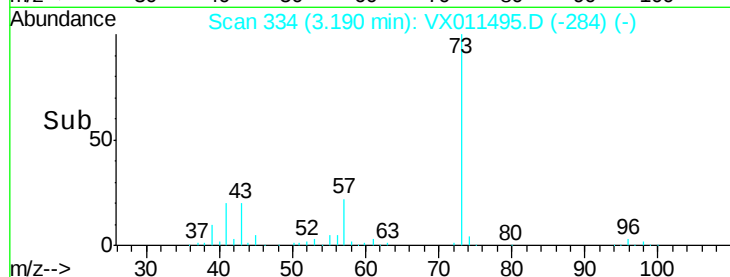
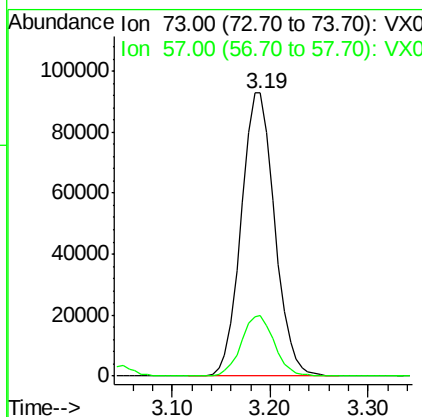
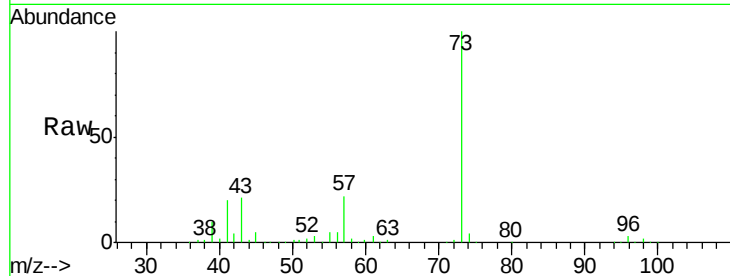
#19  
Methvl tert-butvl Ether  
Concen: 51.507 ug/l  
RT: 3.19 min Scan# 334  
Delta R.T. 0.01 min  
Lab File: VX011495.D  
Acq: 12 Aug 2019 19:46

Instrument :  
MSVOA\_X  
ClientSampled :  
Z3-0693MS

Tot Ion: 73 Resp: 220600  
Ion Ratio Lower Upper  
73 100  
57 21.6 16.2 24.2

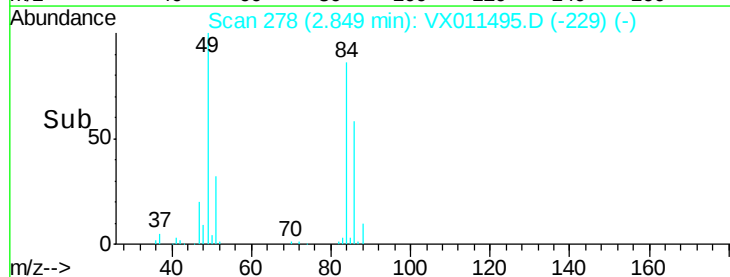
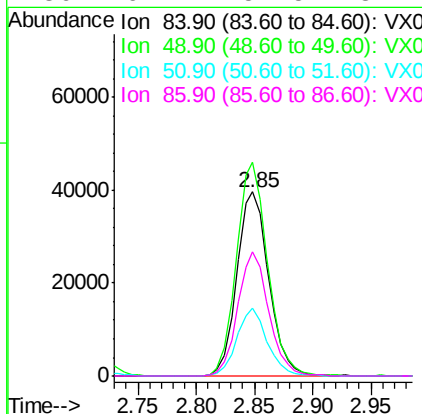
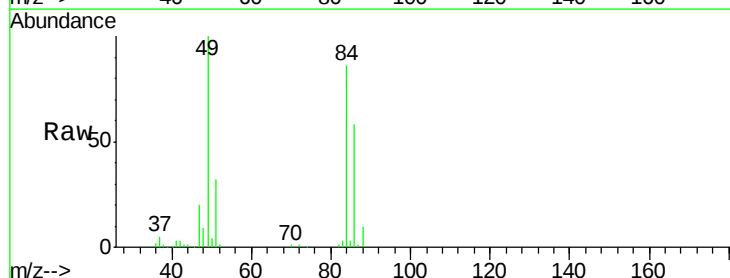
Manual Integrations  
APPROVED

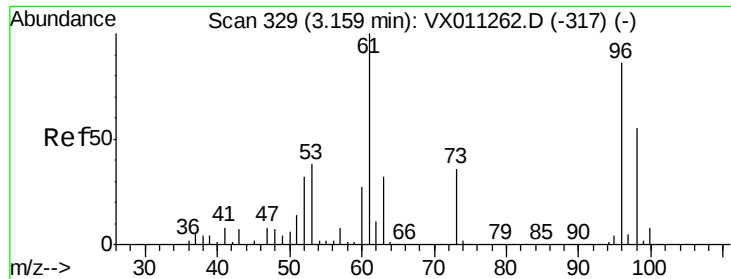
MMDadoda  
8/14/2019 9:13:57 AM



#20  
Methylene Chloride  
Concen: 45.219 ug/l  
RT: 2.85 min Scan# 278  
Delta R.T. -0.00 min  
Lab File: VX011495.D  
Acq: 12 Aug 2019 19:46

Tgt Ion: 84 Resp: 75826  
Ion Ratio Lower Upper  
84 100  
49 116.1 89.3 133.9  
51 36.5 28.3 42.5  
86 67.4 54.5 81.7





#21

trans-1,2-Dichloroethene

Concen: 53.069 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.00 min

Lab File: VX011495.D

Acq: 12 Aug 2019 19:46

Instrument :

MSVOA\_X

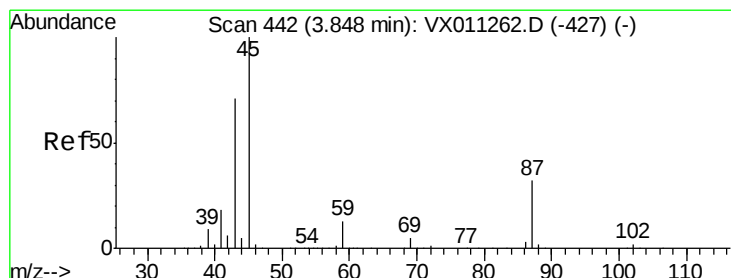
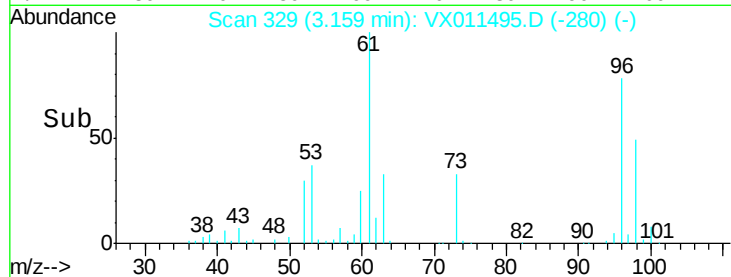
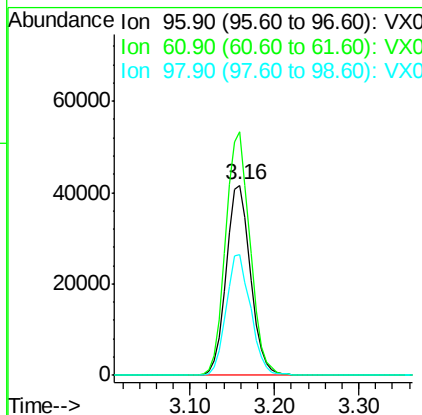
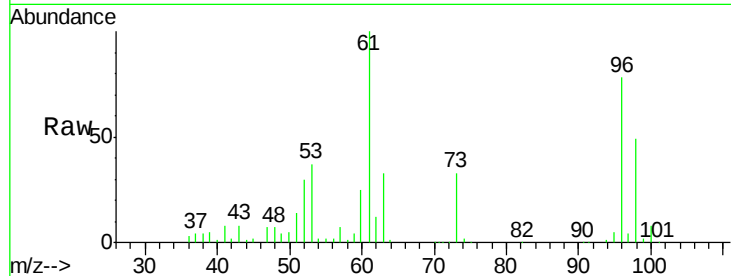
ClientSampleId :

Z3-0693MS

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 96    | Resp: | 81587 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 128.1 | 92.8  | 139.2 |
| 98       | 63.4  | 51.2  | 76.8  |

Manual Integrations  
APPROVED

MMDadoda  
8/14/2019 9:13:57 AM



#22

Diisopropyl ether

Concen: 49.640 ug/l

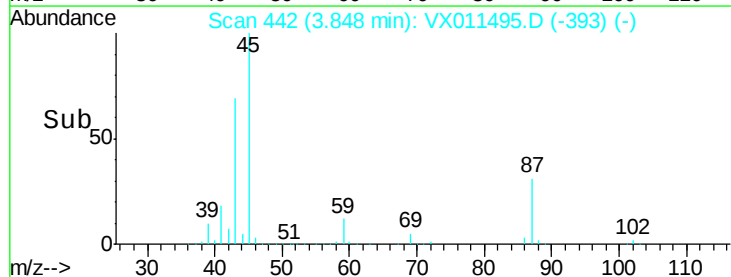
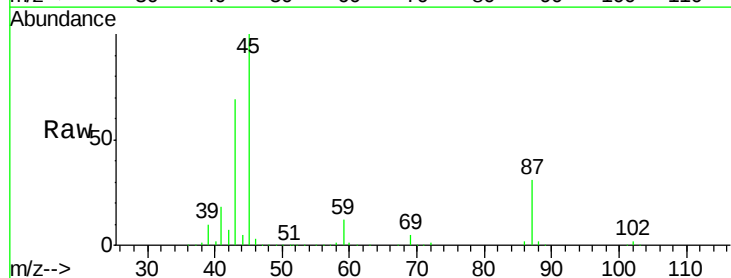
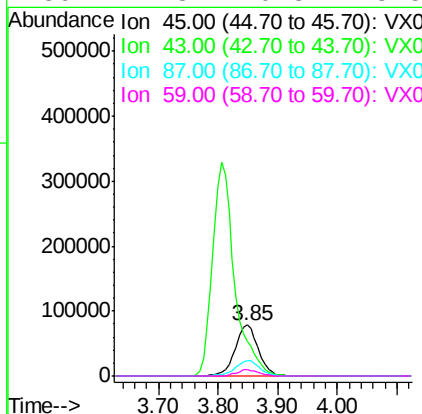
RT: 3.85 min Scan# 442

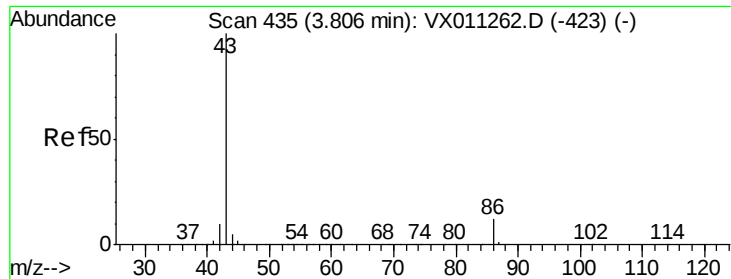
Delta R.T. -0.00 min

Lab File: VX011495.D

Acq: 12 Aug 2019 19:46

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 45    | Resp: | 211381 |
| Ion      | Ratio | Lower | Upper  |
| 45       | 100   |       |        |
| 43       | 68.6  | 56.8  | 85.2   |
| 87       | 30.7  | 25.8  | 38.6   |
| 59       | 11.8  | 10.3  | 15.5   |





#23

Vinyl Acetate

Concen: 238.418 ug/l

RT: 3.81 min Scan# 435

Delta R.T. -0.00 min

Lab File: VX011495.D

Acq: 12 Aug 2019 19:46

Instrument :

MSVOA\_X

ClientSampled :

Z3-0693MS

Tot Ion: 43 Resp: 842058

Ion Ratio Lower Upper

43 100

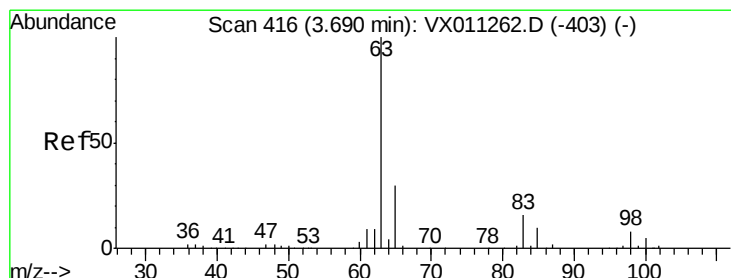
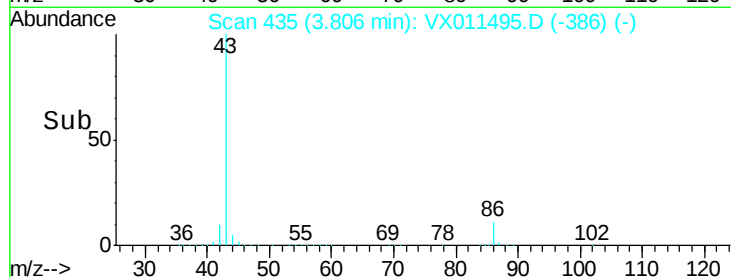
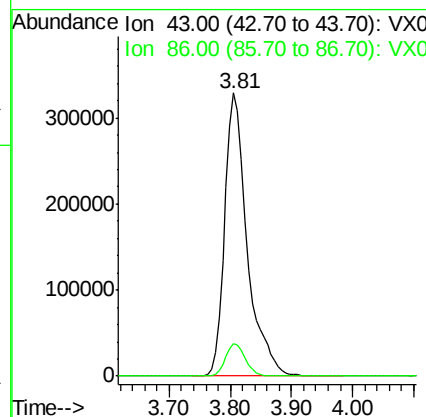
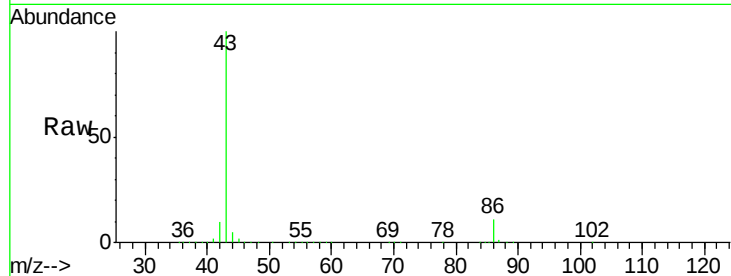
86 11.4 9.6 14.4

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#24

1,1-Dichloroethane

Concen: 48.541 ug/l

RT: 3.69 min Scan# 416

Delta R.T. -0.00 min

Lab File: VX011495.D

Acq: 12 Aug 2019 19:46

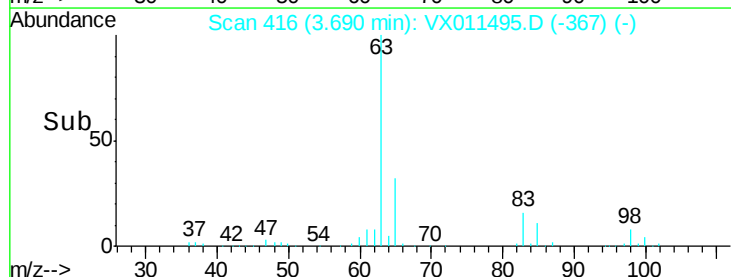
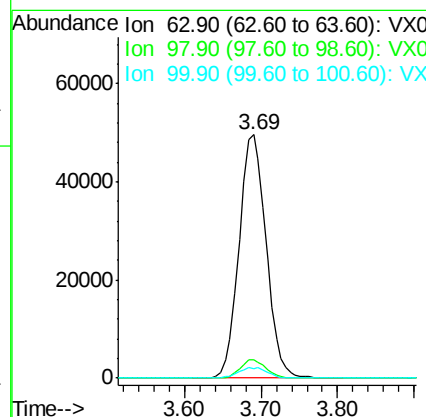
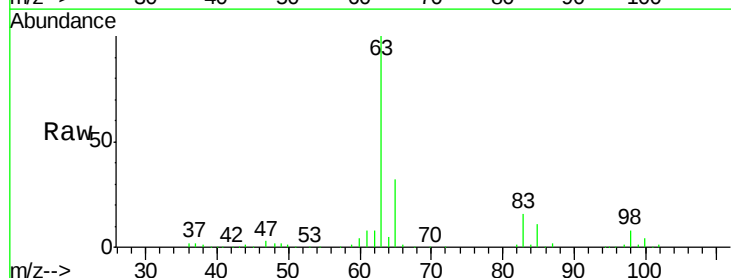
Tgt Ion: 63 Resp: 121884

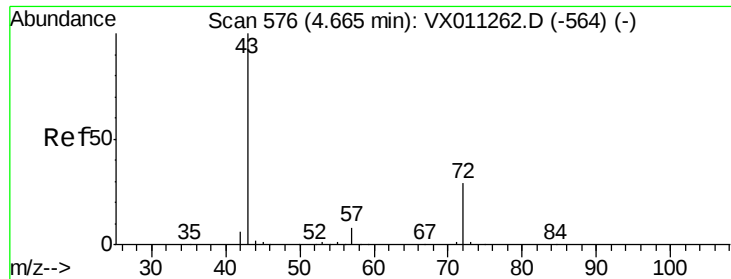
Ion Ratio Lower Upper

63 100

98 7.6 3.9 11.5

100 4.0 2.7 8.1





#25

2-Butanone

Concen: 249.015 ug/l

RT: 4.67 min Scan# 576

Delta R.T. -0.00 min

Lab File: VX011495.D

Acq: 12 Aug 2019 19:46

Instrument :

MSVOA\_X

ClientSampled :

Z3-0693MS

Tot Ion: 43 Resp: 271220

Ion Ratio Lower Upper

43 100

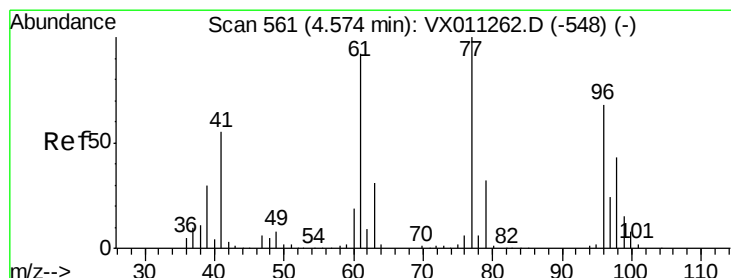
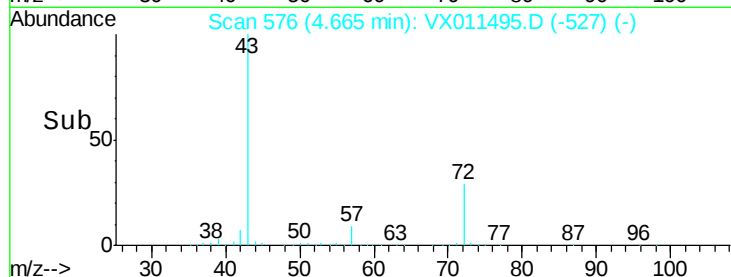
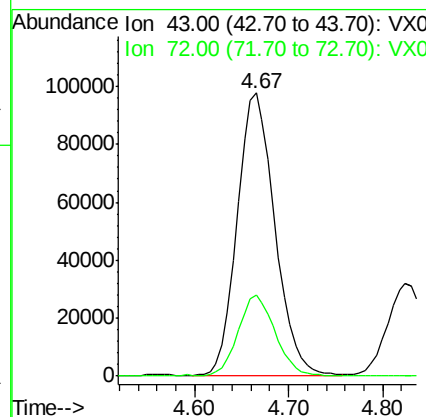
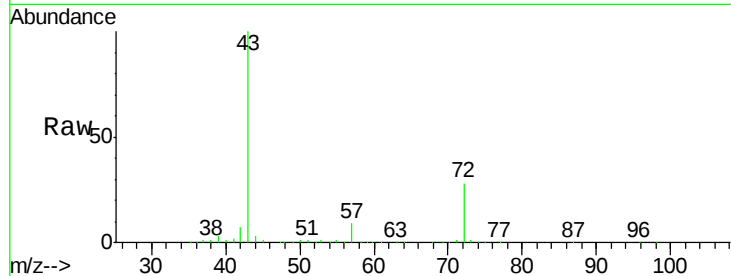
72 28.4 23.2 34.8

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 39.702 ug/l

RT: 4.57 min Scan# 561

Delta R.T. -0.00 min

Lab File: VX011495.D

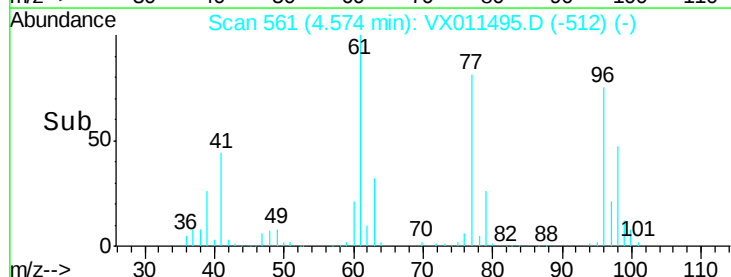
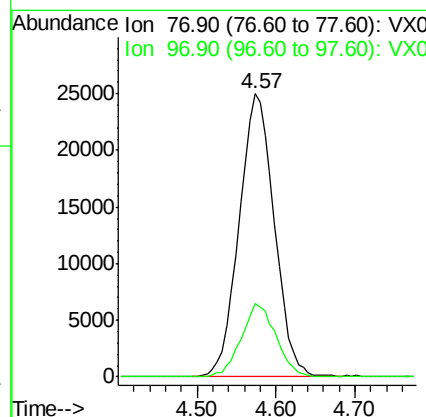
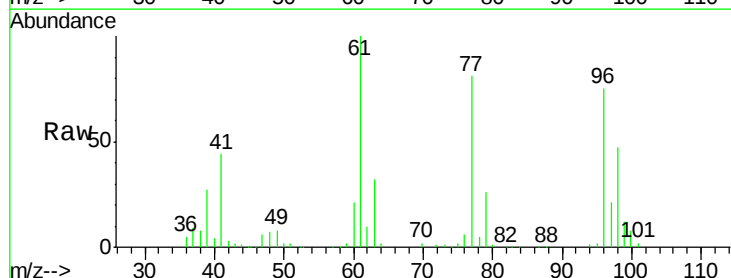
Acq: 12 Aug 2019 19:46

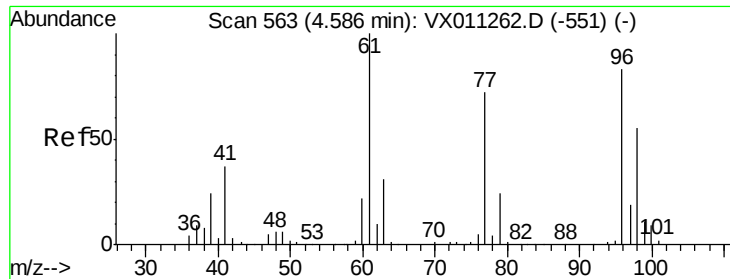
Tgt Ion: 77 Resp: 77494

Ion Ratio Lower Upper

77 100

97 25.4 12.8 38.4





#27

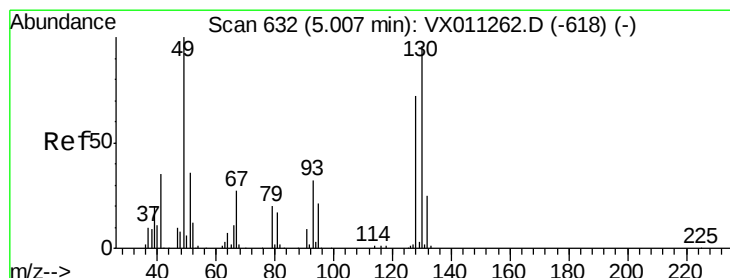
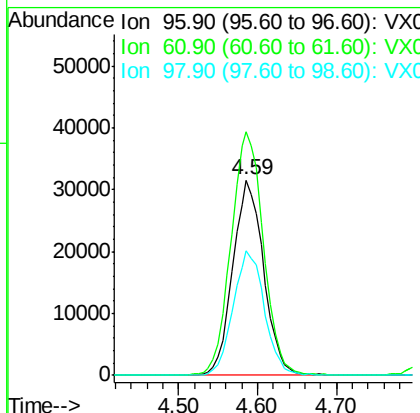
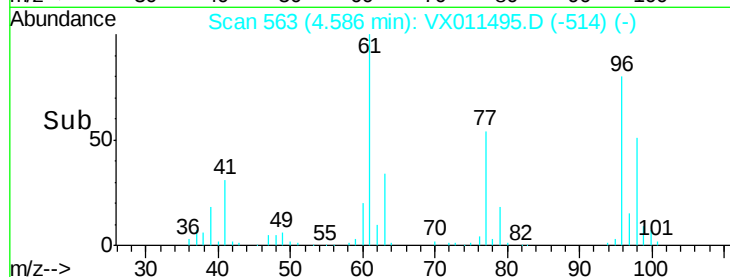
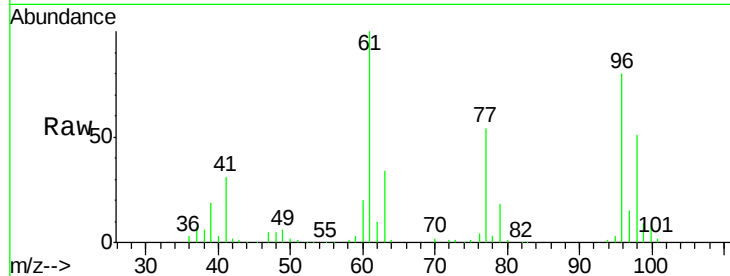
cis-1,2-Dichloroethene  
Concen: 48.572 ug/l  
RT: 4.59 min Scan# 563  
Delta R.T. -0.00 min  
Lab File: VX011495.D  
Acq: 12 Aug 2019 19:46

Instrument :  
MSVOA\_X  
ClientSampled :  
Z3-0693MS

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 96      | 100   | 86012 |       |       |
| 61      | 130.7 | 0.0   | 260.2 |       |
| 98      | 64.3  | 0.0   | 133.2 |       |

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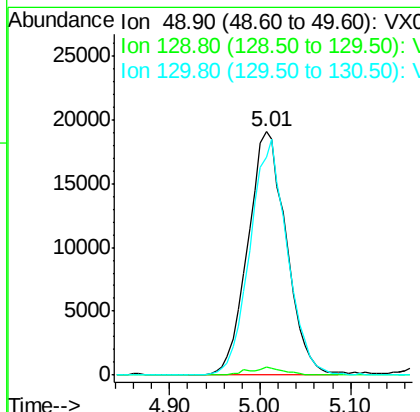
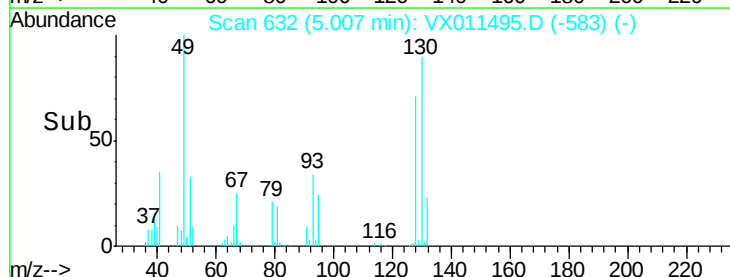
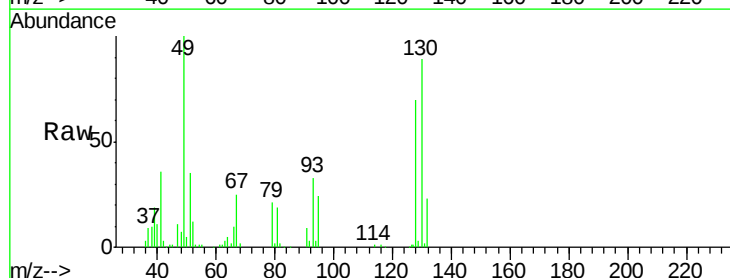
MMDadoda  
8/14/2019 9:13:57 AM

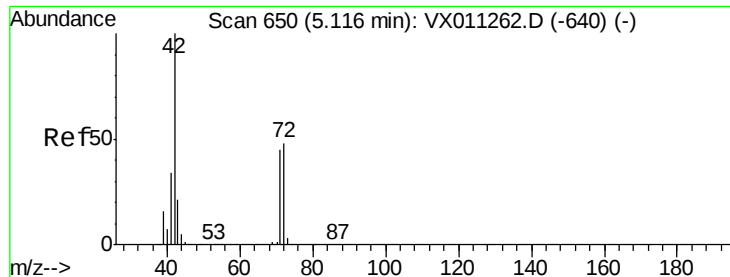


#28

Bromochloromethane  
Concen: 48.969 ug/l  
RT: 5.01 min Scan# 632  
Delta R.T. -0.00 min  
Lab File: VX011495.D  
Acq: 12 Aug 2019 19:46

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 49      | 100   | 56055 |       |       |
| 129     | 3.1   | 0.0   | 5.8   |       |
| 130     | 93.4  | 77.9  | 116.9 |       |





#29

Tetrahydrofuran

Concen: 255.153 ug/l

RT: 5.12 min Scan# 650

Delta R.T. -0.00 min

Lab File: VX011495.D

Acq: 12 Aug 2019 19:46

Instrument :

MSVOA\_X

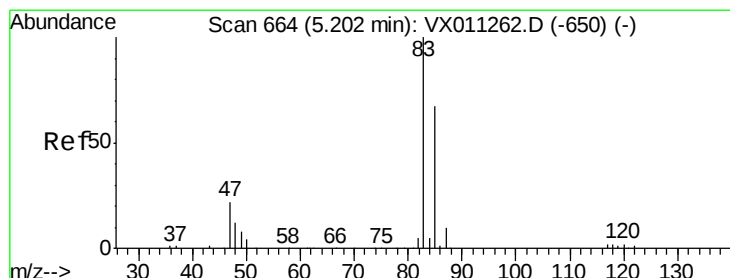
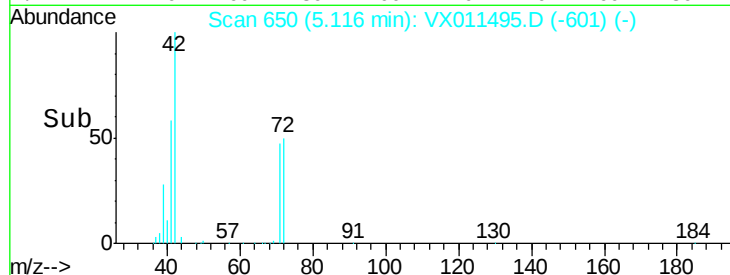
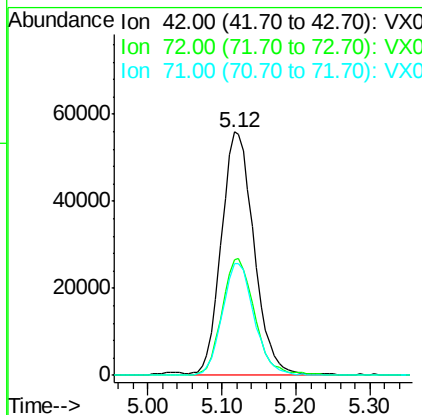
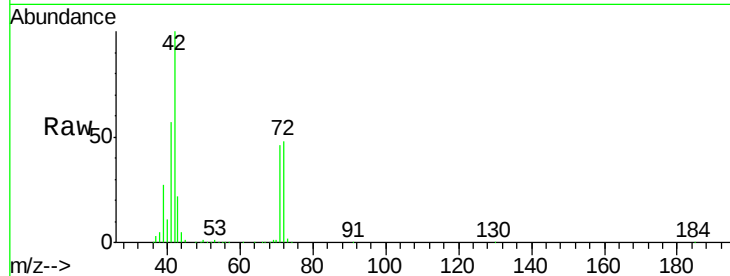
ClientSampleId :

Z3-0693MS

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 42    | Resp: | 170398 |
| Ion      | Ratio | Lower | Upper  |
| 42       | 100   |       |        |
| 72       | 48.2  | 39.9  | 59.9   |
| 71       | 45.1  | 36.9  | 55.3   |

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#30

Chloroform

Concen: 50.836 ug/l

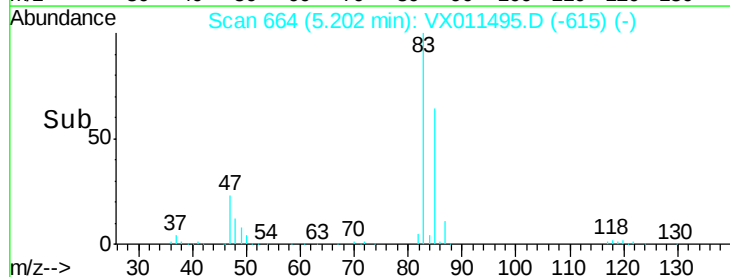
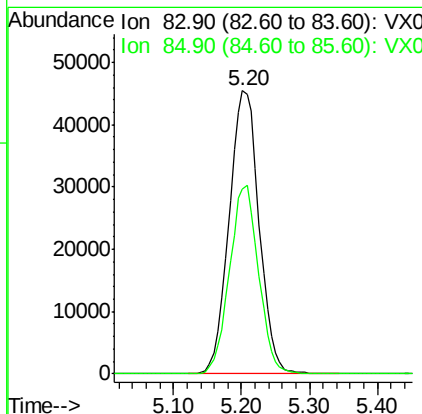
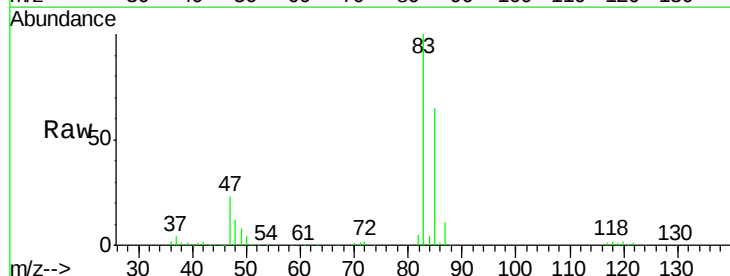
RT: 5.20 min Scan# 664

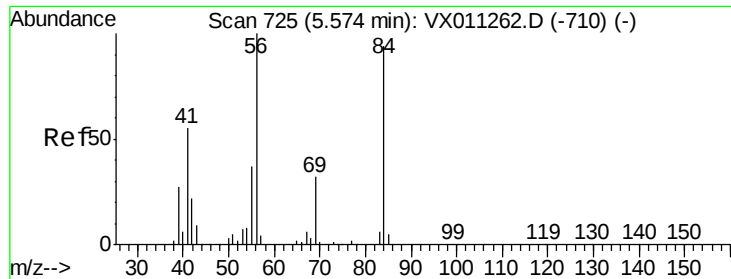
Delta R.T. -0.00 min

Lab File: VX011495.D

Acq: 12 Aug 2019 19:46

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 83    | Resp: | 138733 |
| Ion      | Ratio | Lower | Upper  |
| 83       | 100   |       |        |
| 85       | 65.3  | 53.4  | 80.0   |





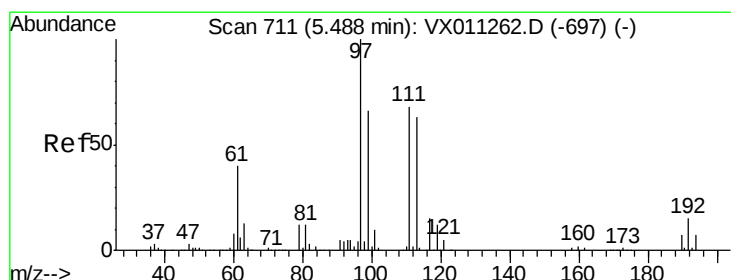
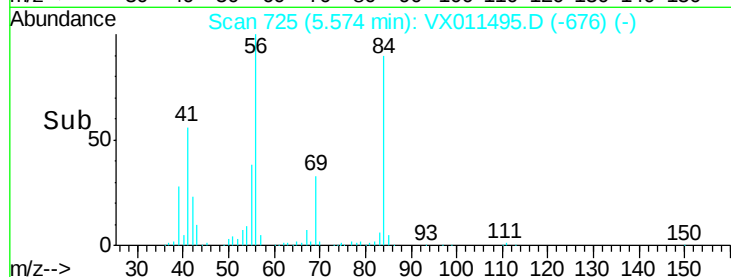
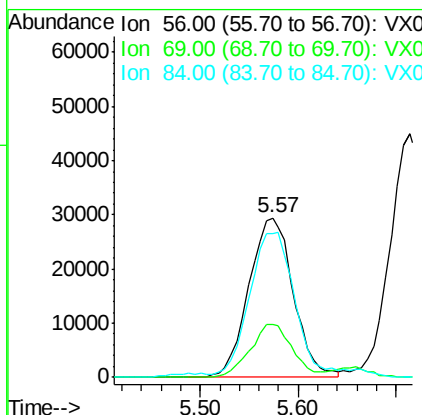
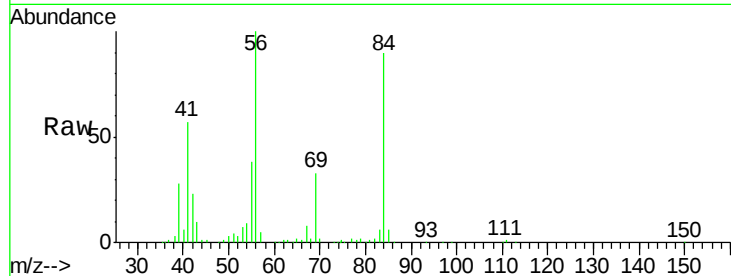
#31  
Cyclohexane  
Concen: 44.930 ug/l  
RT: 5.57 min Scan# 725  
Delta R.T. -0.00 min  
Lab File: VX011495.D  
Acq: 12 Aug 2019 19:46

Instrument :  
MSVOA\_X  
ClientSampleId :  
Z3-0693MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 69      | 33.3  | 25.5  | 38.3  |
| 84      | 87.1  | 75.0  | 112.4 |

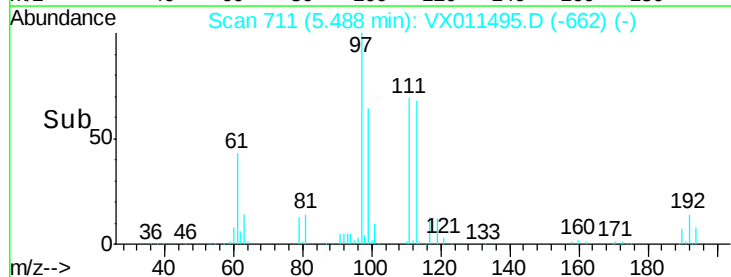
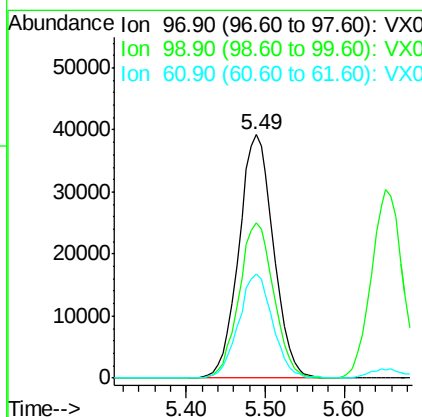
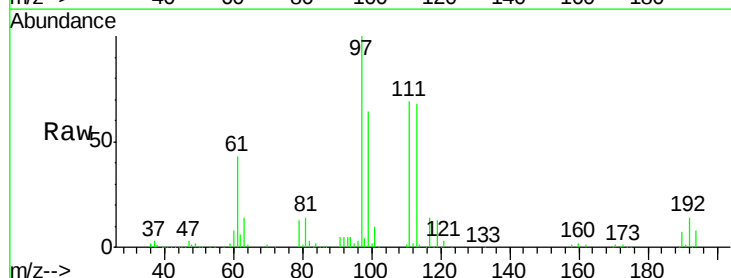
Manual Integrations  
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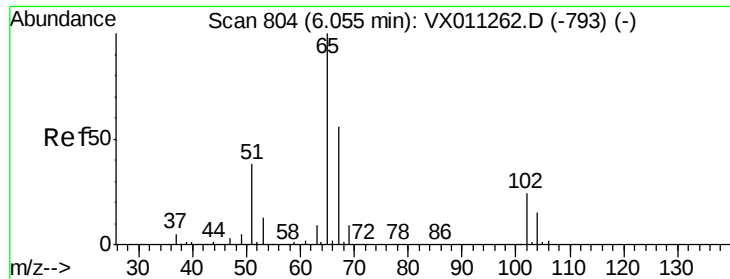
MMDadoda  
8/14/2019 9:13:57 AM



#32  
1,1,1-Trichloroethane  
Concen: 51.199 ug/l  
RT: 5.49 min Scan# 711  
Delta R.T. -0.00 min  
Lab File: VX011495.D  
Acq: 12 Aug 2019 19:46

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 99      | 63.9  | 51.6  | 77.4  |
| 61      | 42.3  | 32.3  | 48.5  |





#33

1,2-Dichloroethane-d4

Concen: 53.777 ug/l

RT: 6.06 min Scan# 804

Delta R.T. -0.00 min

Lab File: VX011495.D

Acq: 12 Aug 2019 19:46

Instrument :

MSVOA\_X

ClientSampleId :

Z3-0693MS

Tot Ion: 65 Resp: 86507

Ion Ratio Lower Upper

65 100

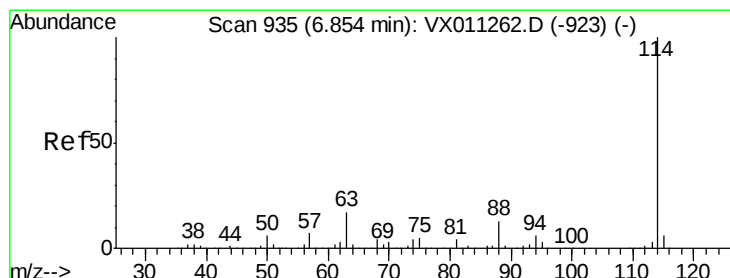
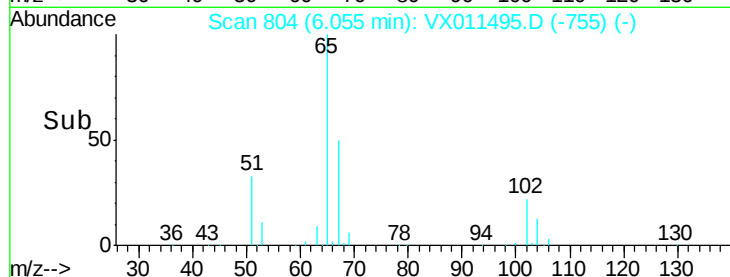
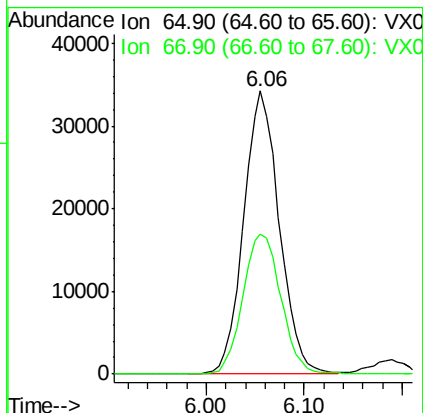
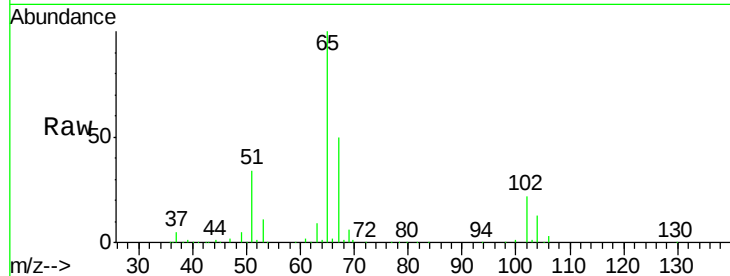
67 52.8 0.0 110.6

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 935

Delta R.T. -0.00 min

Lab File: VX011495.D

Acq: 12 Aug 2019 19:46

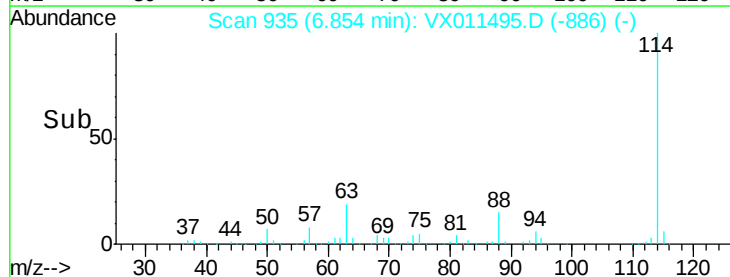
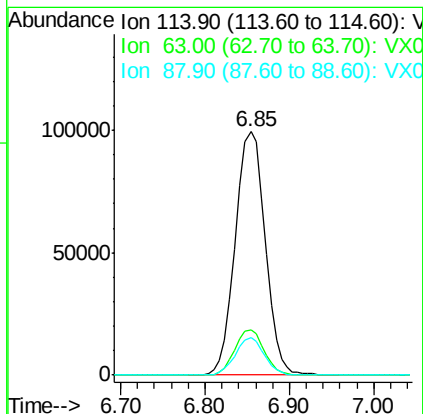
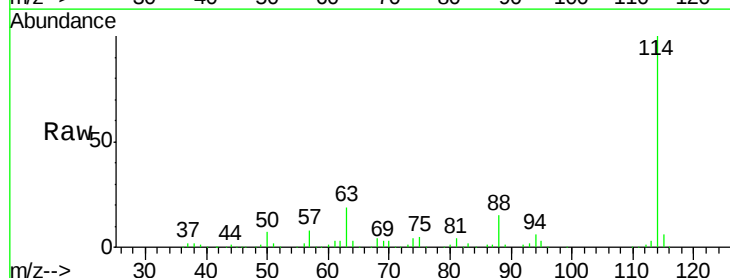
Tgt Ion: 114 Resp: 238599

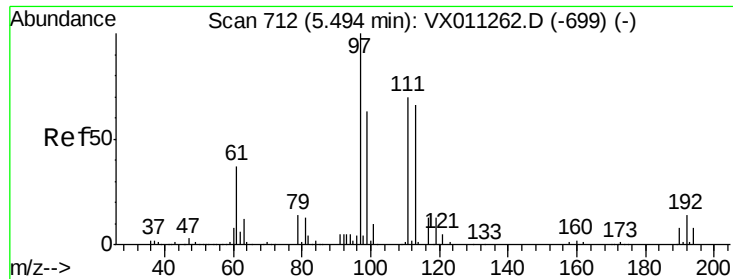
Ion Ratio Lower Upper

114 100

63 18.8 0.0 34.0

88 15.3 0.0 26.4





#35

Dibromofluoromethane

Concen: 49.512 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.00 min

Lab File: VX011495.D

Acq: 12 Aug 2019 19:46

Instrument :

MSVOA\_X

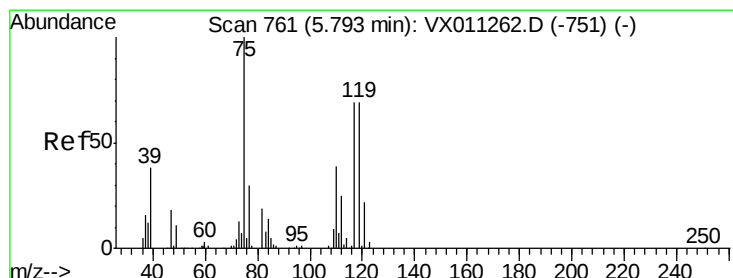
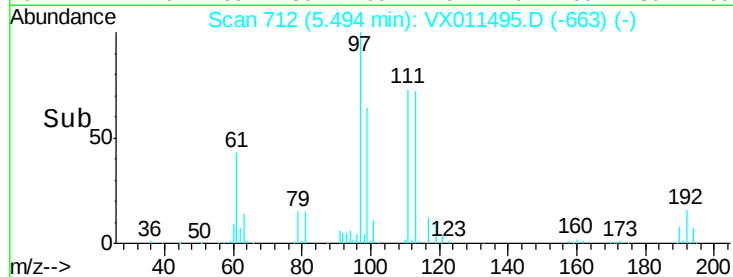
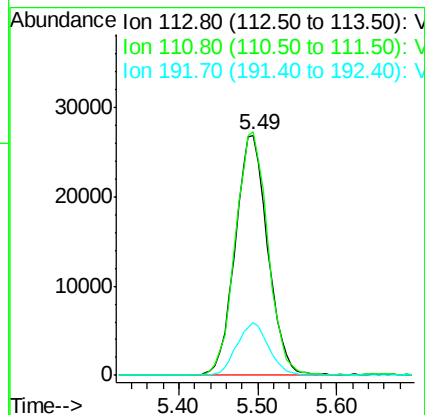
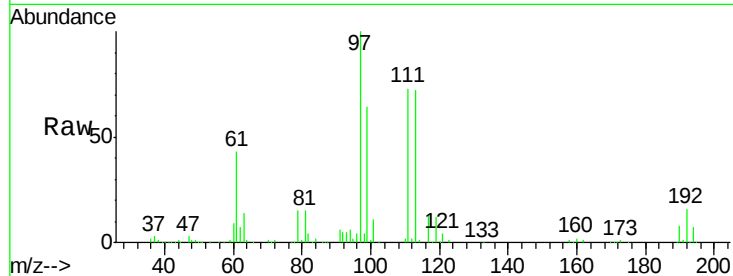
ClientSampleId :

Z3-0693MS

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 113   | Resp: | 77128 |
| Ion      | Ratio | Lower | Upper |
| 113      | 100   |       |       |
| 111      | 101.3 | 81.9  | 122.9 |
| 192      | 21.2  | 17.8  | 26.8  |

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#36

1,1-Dichloropropene

Concen: 43.998 ug/l

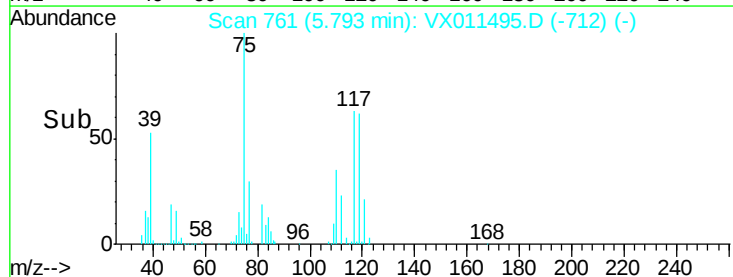
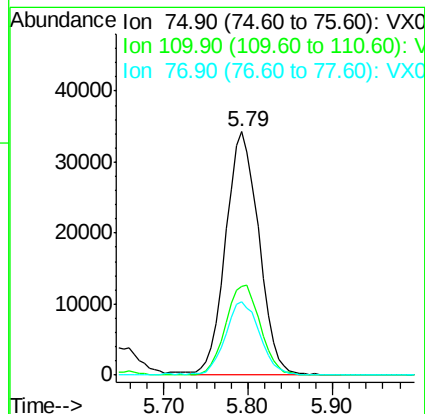
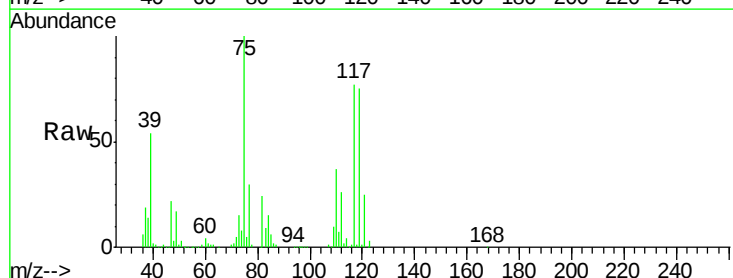
RT: 5.79 min Scan# 761

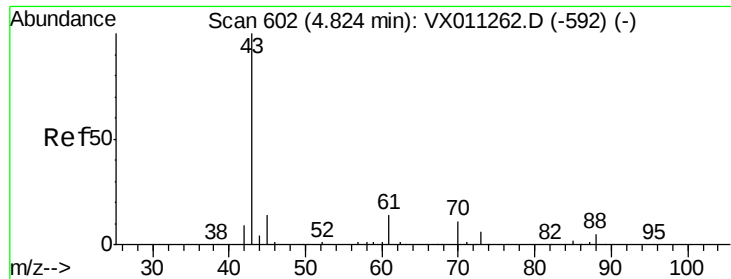
Delta R.T. -0.00 min

Lab File: VX011495.D

Acq: 12 Aug 2019 19:46

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 91657 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 110      | 38.9  | 20.0  | 59.9  |
| 77       | 31.3  | 24.8  | 37.2  |





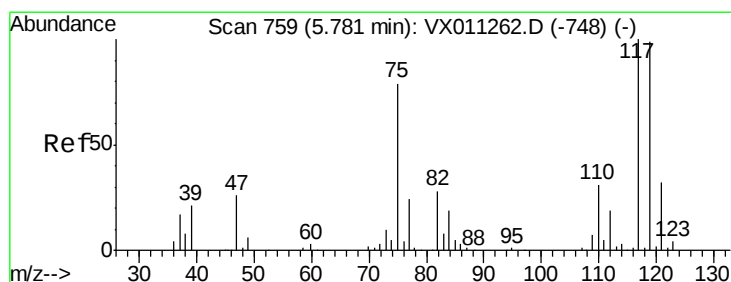
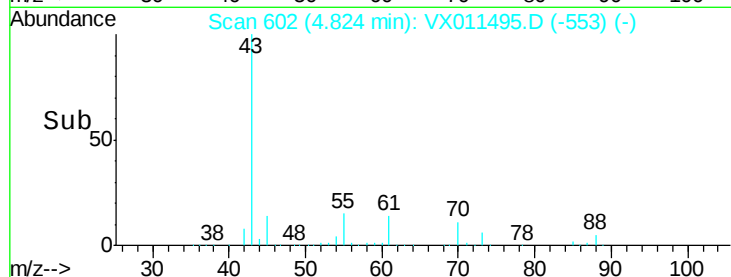
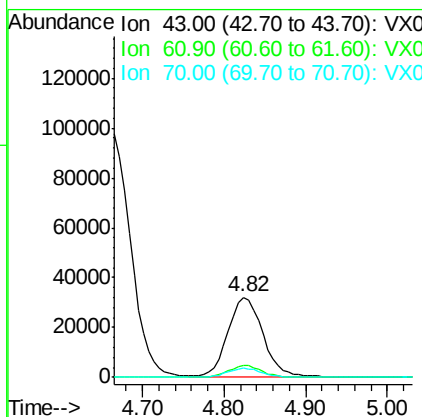
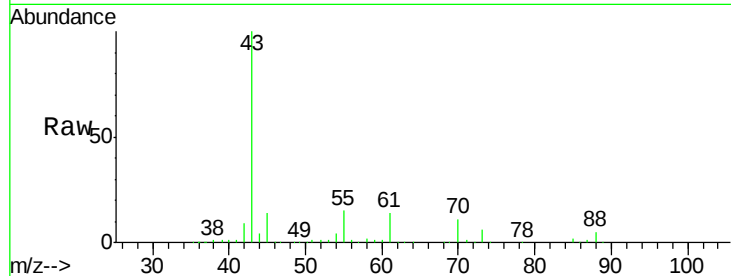
#37  
Ethyl Acetate  
Concen: 45.247 ug/l  
RT: 4.82 min Scan# 602  
Delta R.T. -0.00 min  
Lab File: VX011495.D  
Acq: 12 Aug 2019 19:46

Instrument :  
MSVOA\_X  
Client Sampled :  
Z3-0693MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 14.5  | 12.6  | 18.8  |
| 70      | 11.1  | 9.1   | 13.7  |

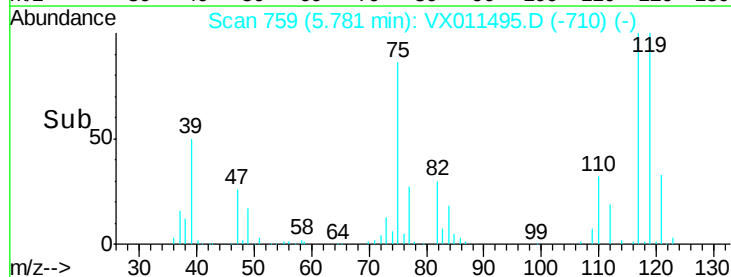
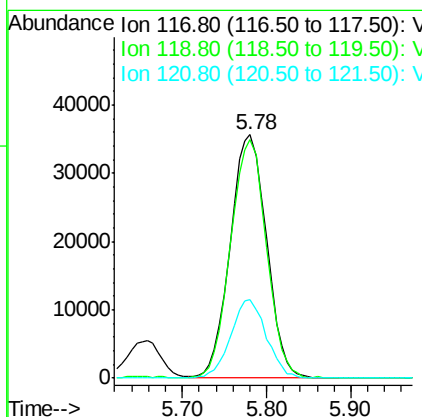
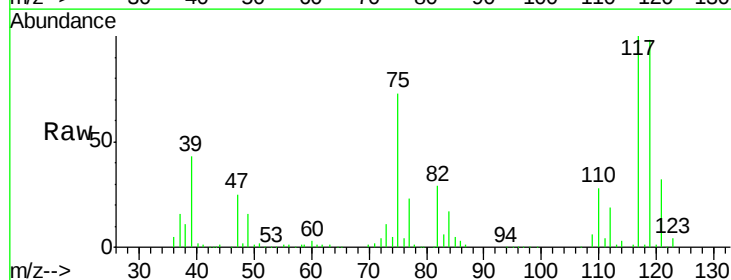
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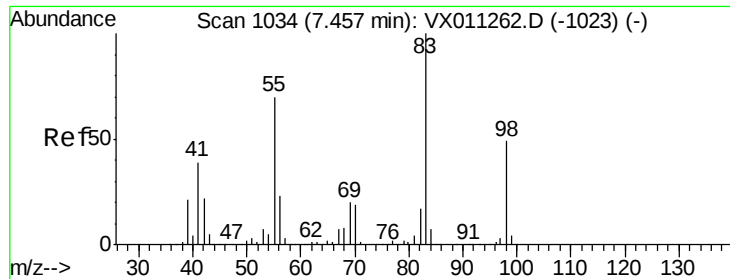
MMDadoda  
8/14/2019 9:13:57 AM



#38  
Carbon Tetrachloride  
Concen: 49.896 ug/l  
RT: 5.78 min Scan# 759  
Delta R.T. -0.00 min  
Lab File: VX011495.D  
Acq: 12 Aug 2019 19:46

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 98.0  | 79.0  | 118.4 |
| 121     | 32.2  | 25.9  | 38.9  |





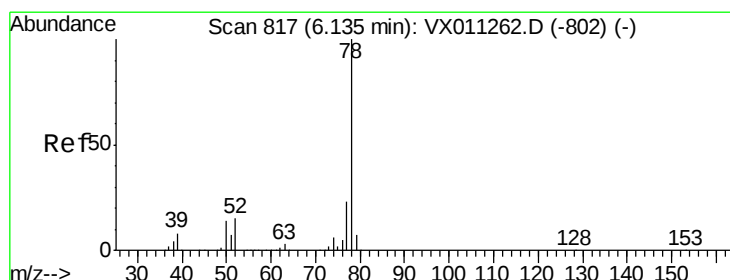
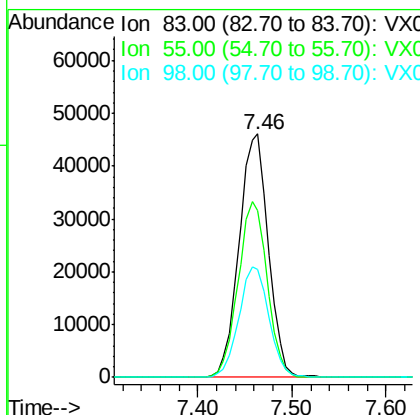
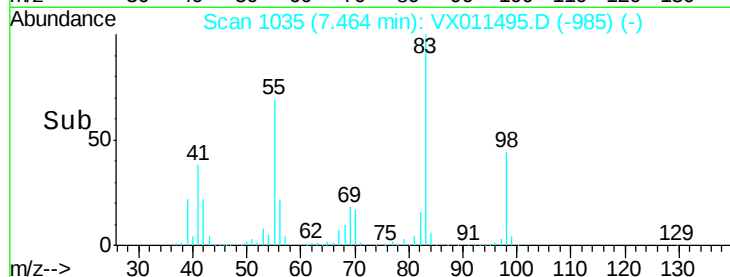
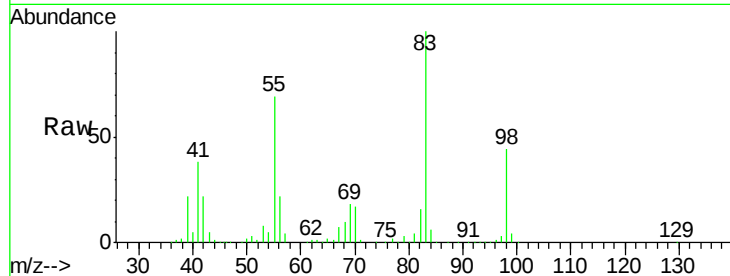
#39  
Methvlcvclohexane  
Concen: 40.492 ug/l  
RT: 7.46 min Scan# 1035  
Delta R.T. 0.01 min  
Lab File: VX011495.D  
Acq: 12 Aug 2019 19:46

Instrument :  
MSVOA\_X  
ClientSampleId :  
Z3-0693MS

| Tot Ion   | 83   | Resp  | 99985 |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 83        | 100  |       |       |
| 55        | 68.5 | 56.1  | 84.1  |
| 98        | 44.5 | 39.0  | 58.4  |

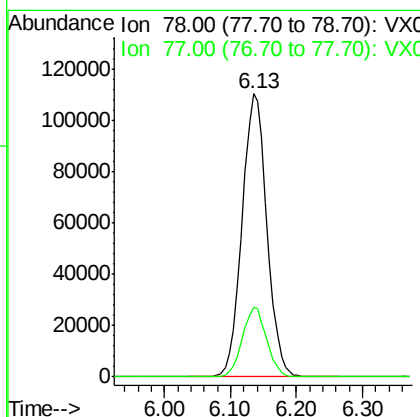
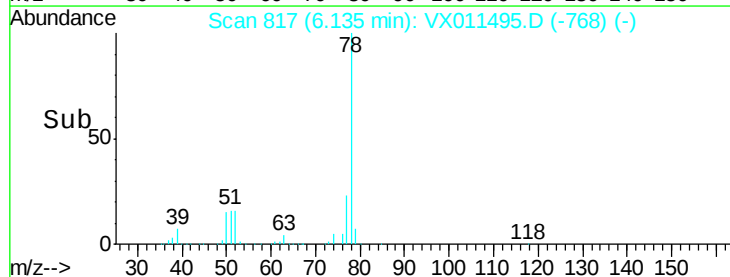
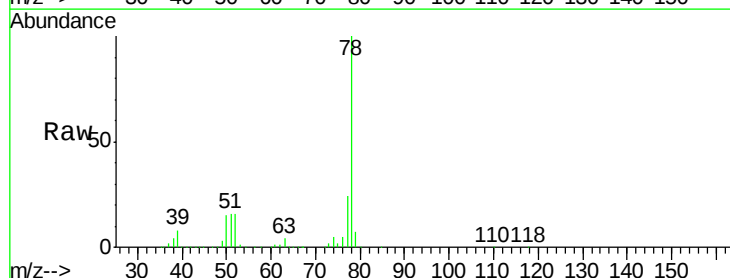
Manual Integrations  
APPROVED

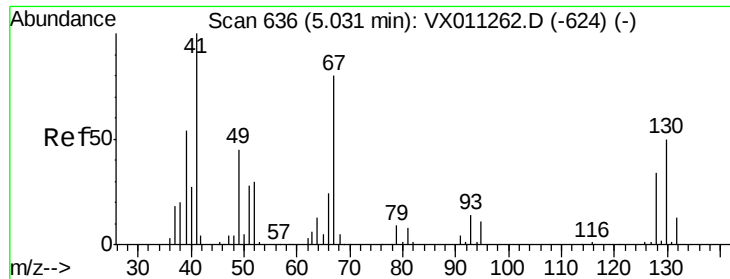
MMDadoda  
8/14/2019 9:13:57 AM



#40  
Benzene  
Concen: 46.437 ug/l  
RT: 6.13 min Scan# 817  
Delta R.T. -0.00 min  
Lab File: VX011495.D  
Acq: 12 Aug 2019 19:46

| Tgt Ion   | 78   | Resp  | 288671 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 78        | 100  |       |        |
| 77        | 24.4 | 18.2  | 27.2   |





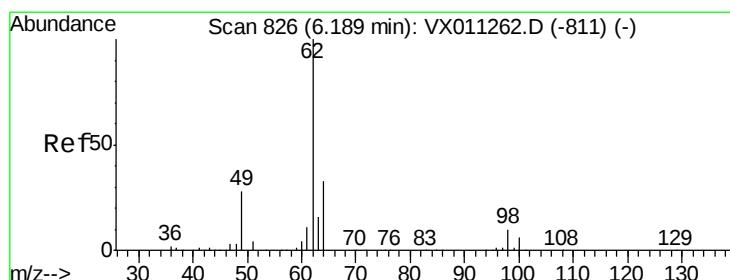
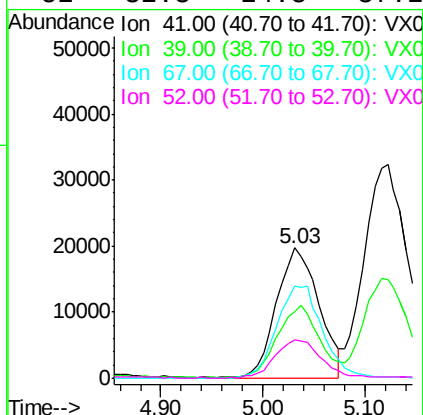
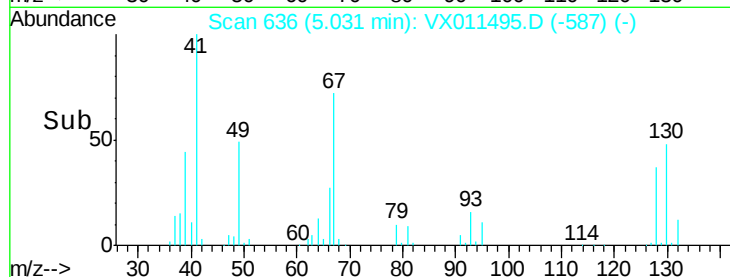
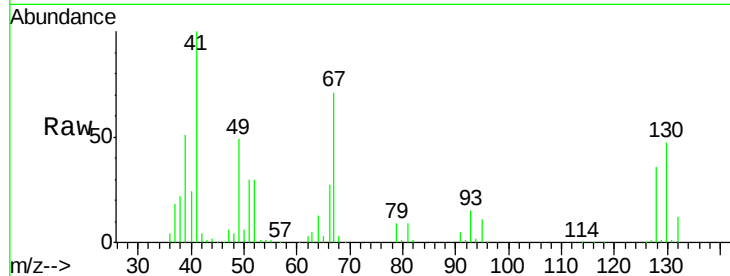
#41  
Methacrylonitrile  
Concen: 50.317 ug/l  
RT: 5.03 min Scan# 636  
Delta R.T. -0.00 min  
Lab File: VX011495.D  
Acq: 12 Aug 2019 19:46

Instrument :  
MSVOA\_X  
ClientSampled :  
Z3-0693MS

| Tot Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 41      | 100  |       |       |       |
| 39      | 54.8 | 43.0  | 64.6  |       |
| 67      | 76.0 | 65.1  | 97.7  |       |
| 52      | 32.3 | 24.8  | 37.2  |       |

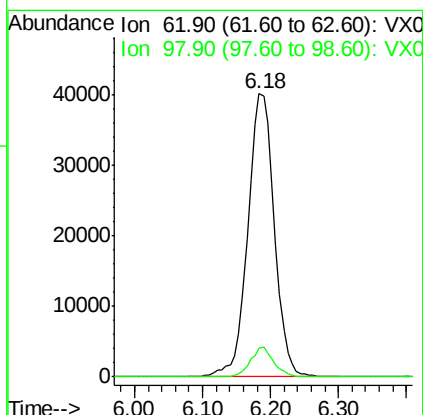
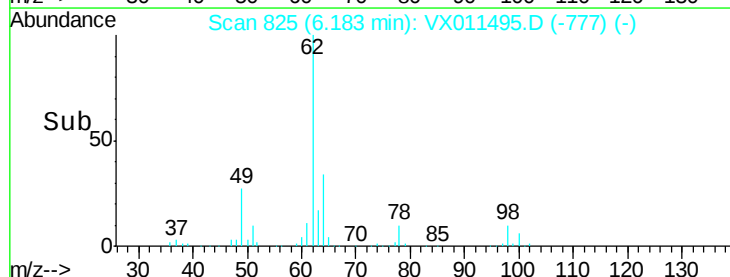
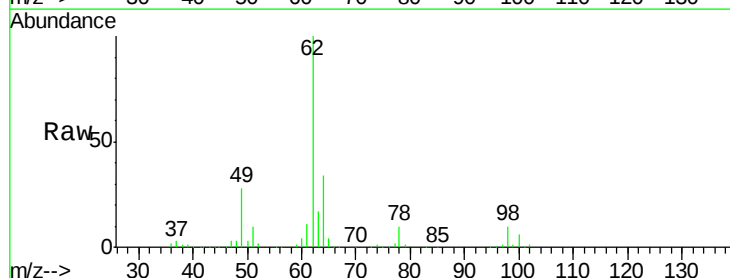
Manual Integrations  
APPROVED

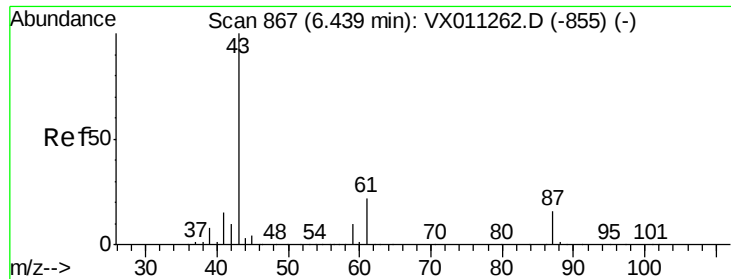
MMDadoda  
8/14/2019 9:13:57 AM



#42  
1,2-Dichloroethane  
Concen: 51.974 ug/l  
RT: 6.18 min Scan# 825  
Delta R.T. -0.01 min  
Lab File: VX011495.D  
Acq: 12 Aug 2019 19:46

| Tgt Ion | Ion | Ratio | Lower | Upper |
|---------|-----|-------|-------|-------|
| 62      | 100 |       |       |       |
| 98      | 9.2 | 0.0   | 20.6  |       |





#43

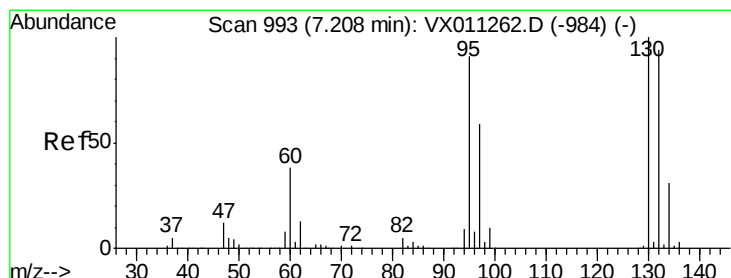
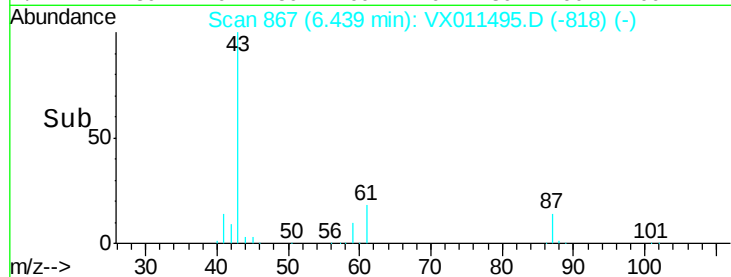
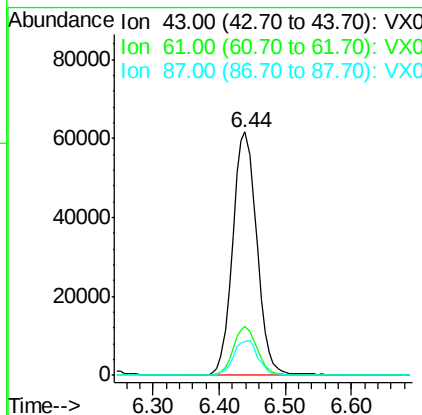
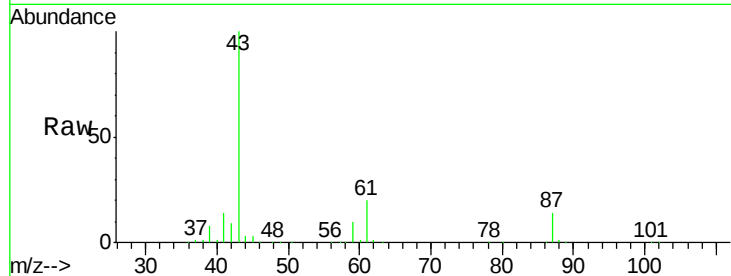
Isopropyl Acetate  
 Concen: 46.433 ug/l  
 RT: 6.44 min Scan# 867  
 Delta R.T. -0.00 min  
 Lab File: VX011495.D  
 Acq: 12 Aug 2019 19:46

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 Z3-0693MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 20.0  | 16.5  | 24.7  |
| 87      | 14.5  | 12.1  | 18.1  |

Manual Integrations  
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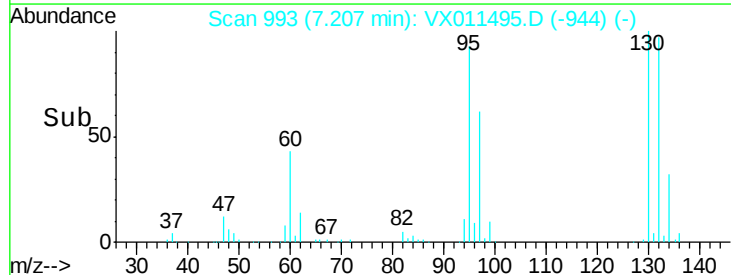
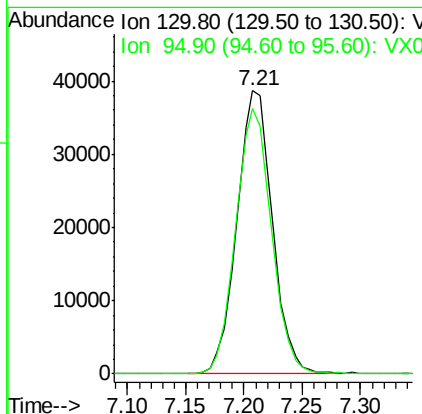
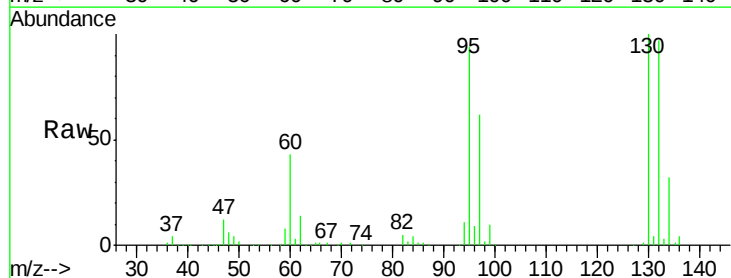
MMDadoda  
 8/14/2019 9:13:57 AM

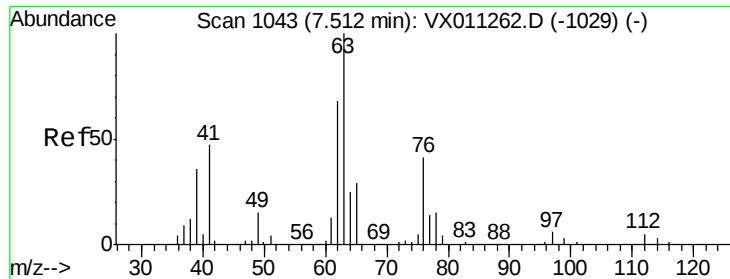


#44

Trichloroethene  
 Concen: 43.680 ug/l  
 RT: 7.21 min Scan# 993  
 Delta R.T. -0.00 min  
 Lab File: VX011495.D  
 Acq: 12 Aug 2019 19:46

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 130     | 100   |       |       |
| 95      | 93.6  | 0.0   | 182.6 |





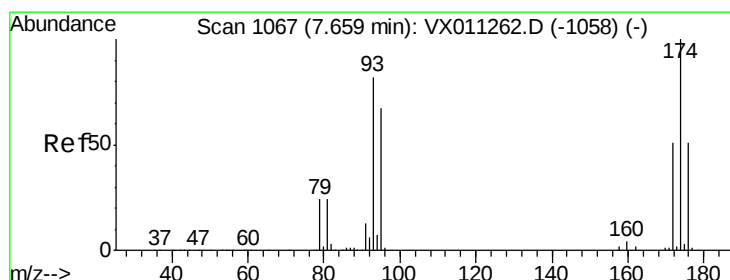
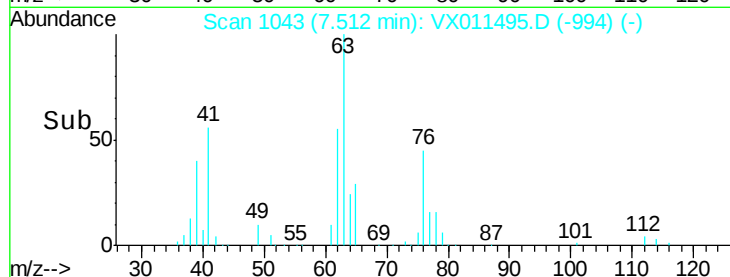
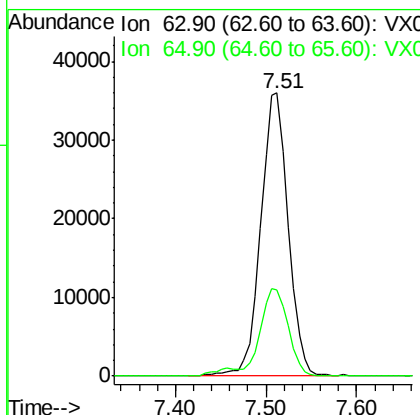
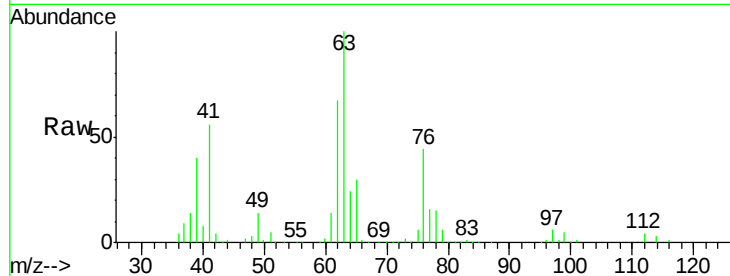
#45  
 1,2-Dichloropropane  
 Concen: 46.709 ug/l  
 RT: 7.51 min Scan# 1043  
 Delta R.T. -0.00 min  
 Lab File: VX011495.D  
 Acq: 12 Aug 2019 19:46

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 Z3-0693MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 65      | 30.3  | 23.3  | 34.9  |

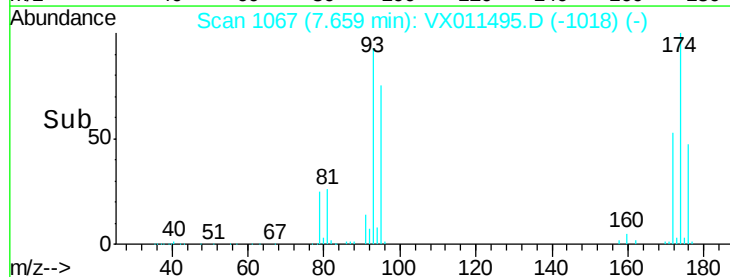
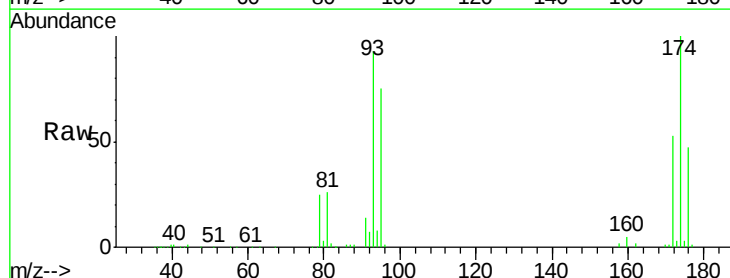
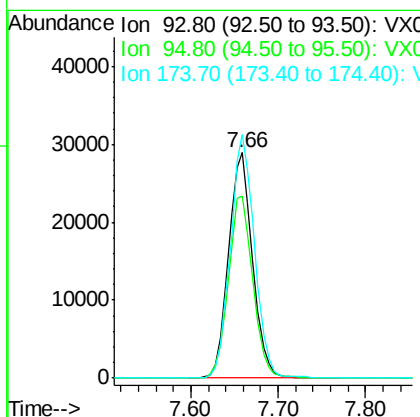
Manual Integrations  
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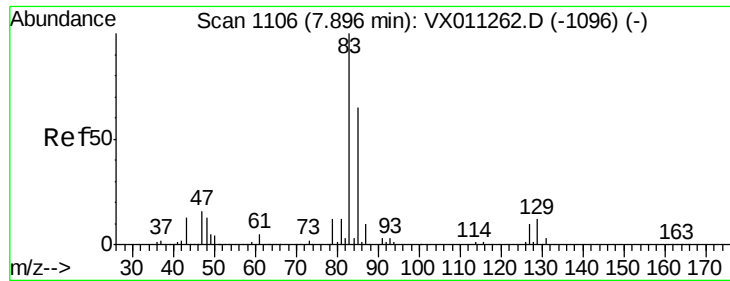
MMDadoda  
 8/14/2019 9:13:57 AM



#46  
 Dibromomethane  
 Concen: 46.887 ug/l  
 RT: 7.66 min Scan# 1067  
 Delta R.T. -0.00 min  
 Lab File: VX011495.D  
 Acq: 12 Aug 2019 19:46

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 95      | 82.4  | 66.4  | 99.6  |
| 174     | 109.0 | 93.4  | 140.2 |





#47

Bromodichloromethane

Concen: 51.813 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX011495.D

Acq: 12 Aug 2019 19:46

Instrument :

MSVOA\_X

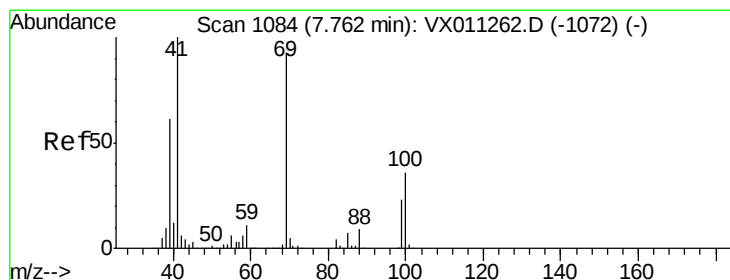
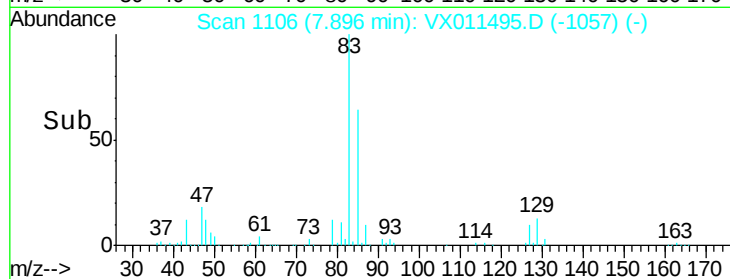
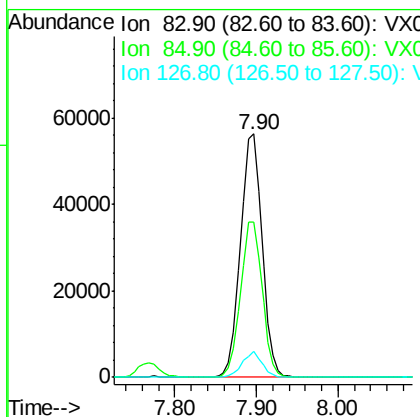
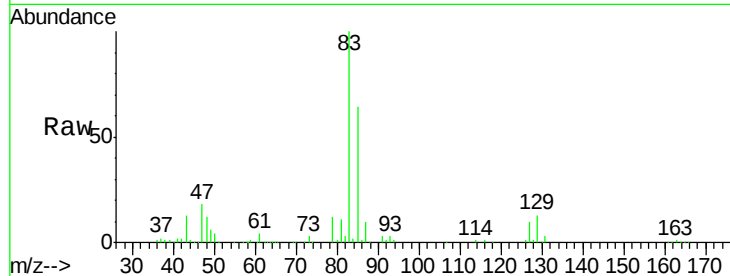
ClientSampleId :

Z3-0693MS

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 83    | Resp: | 103099 |
| Ion      | Ratio | Lower | Upper  |
| 83       | 100   |       |        |
| 85       | 63.6  | 52.2  | 78.2   |
| 127      | 10.5  | 7.8   | 11.8   |

Manual Integrations  
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8/14/2019 9:13:57 AM



#48

Methyl methacrylate

Concen: 52.710 ug/l

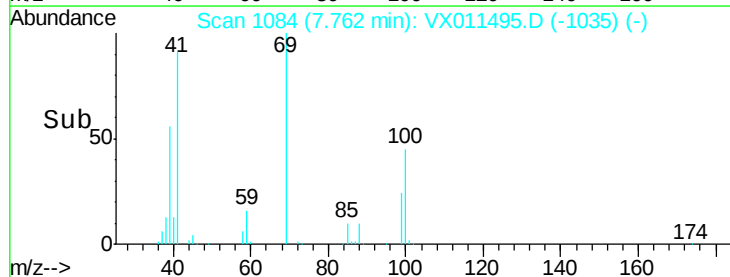
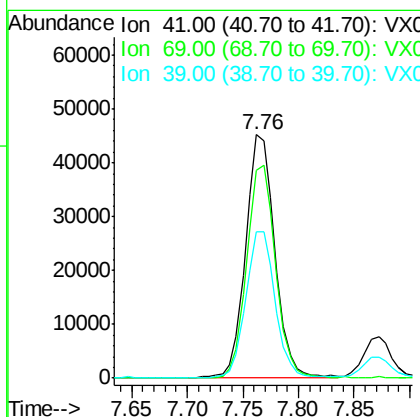
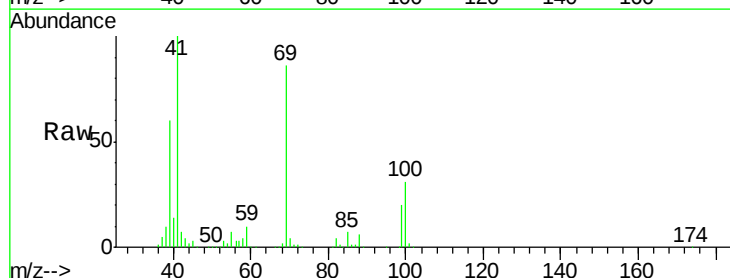
RT: 7.76 min Scan# 1084

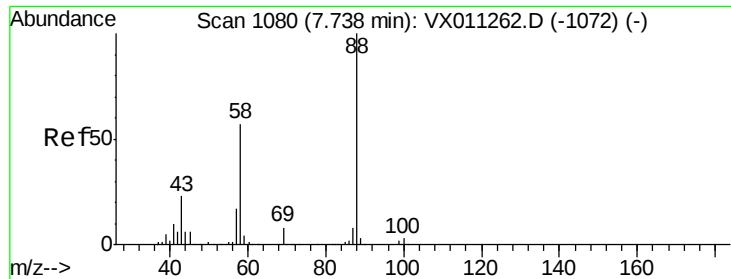
Delta R.T. -0.00 min

Lab File: VX011495.D

Acq: 12 Aug 2019 19:46

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 82871 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 69       | 86.6  | 74.5  | 111.7 |
| 39       | 59.6  | 48.6  | 72.8  |





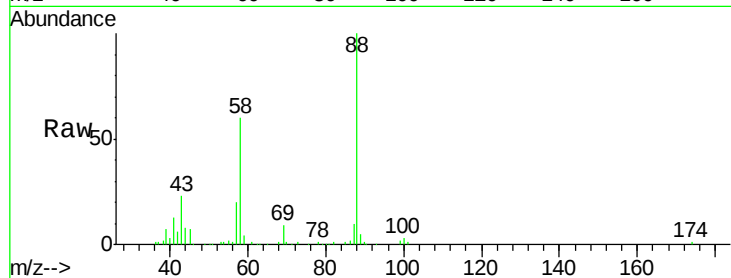
#49  
1,4-Dioxane  
Concen: 812.747 ug/l  
RT: 7.74 min Scan# 1080  
Delta R.T. -0.00 min  
Lab File: VX011495.D  
Acq: 12 Aug 2019 19:46

Instrument :  
MSVOA\_X  
ClientSampleId :  
Z3-0693MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 28.8  | 22.2  | 33.2  |
| 58      | 64.1  | 47.8  | 71.8  |

Manual Integrations  
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MMDadoda  
8/14/2019 9:13:57 AM

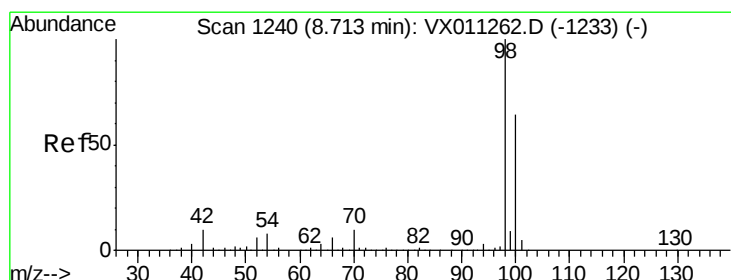
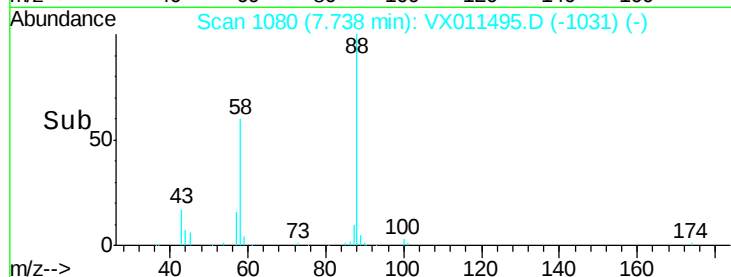
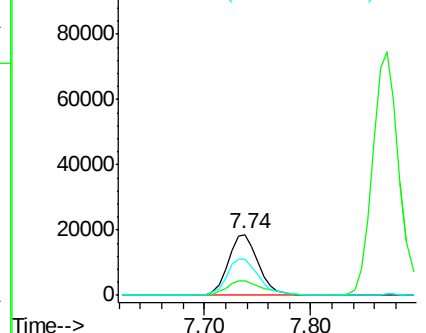


Abundance

Ion 88.00 (87.70 to 88.70): VX0

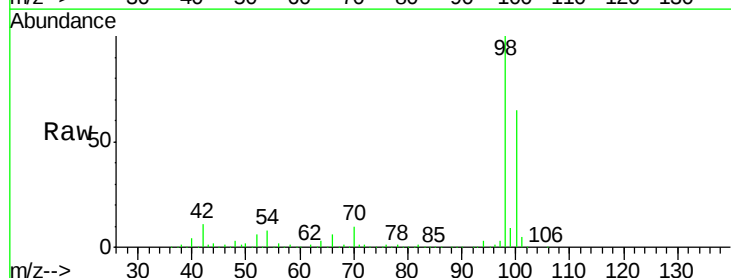
Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50  
Toluene-d8  
Concen: 48.013 ug/l  
RT: 8.71 min Scan# 1240  
Delta R.T. -0.00 min  
Lab File: VX011495.D  
Acq: 12 Aug 2019 19:46

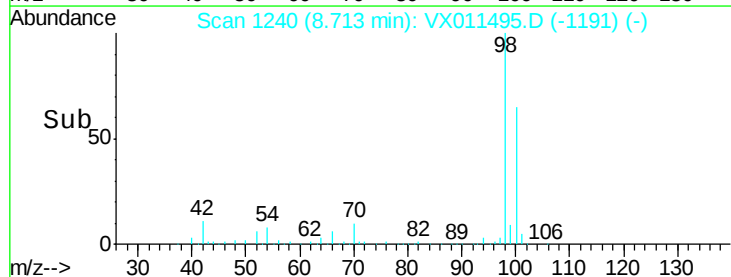
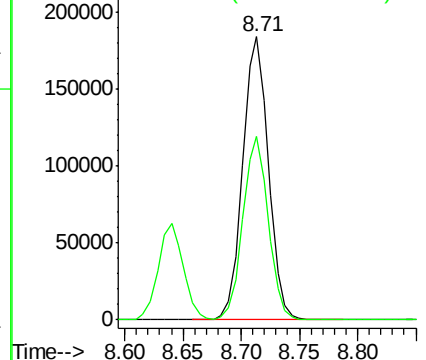
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 64.2  | 51.7  | 77.5  |

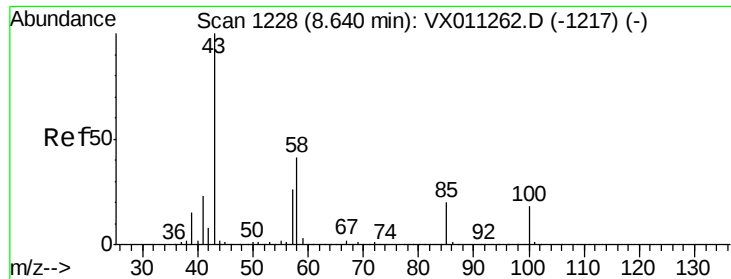


Abundance

Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#51

4-Methyl-2-Pentanone

Concen: 259.533 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VX011495.D

Acq: 12 Aug 2019 19:46

Instrument :

MSVOA\_X

ClientSampleId :

Z3-0693MS

Tot Ion: 43 Resp: 559558

Ion Ratio Lower Upper

43 100

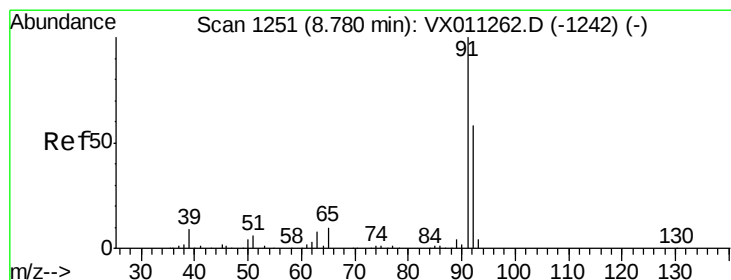
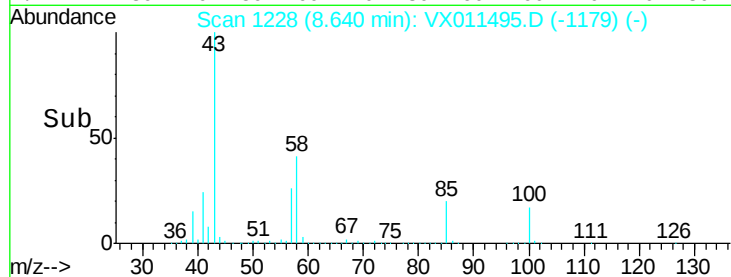
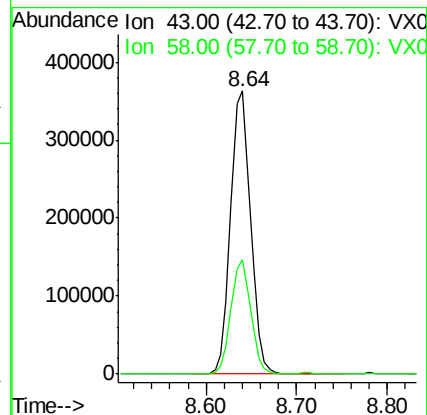
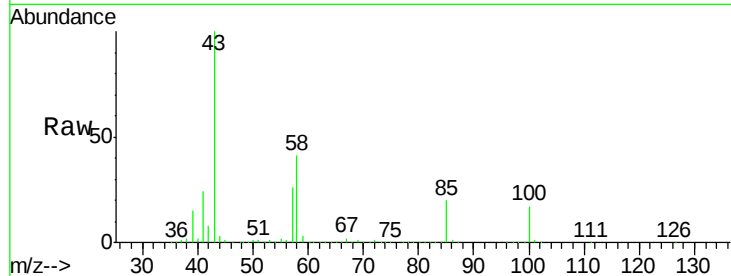
58 39.9 32.3 48.5

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#52

Toluene

Concen: 46.843 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VX011495.D

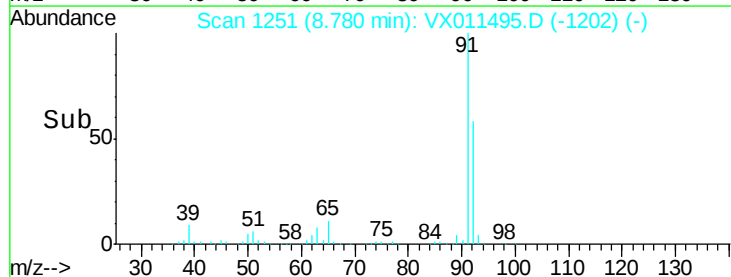
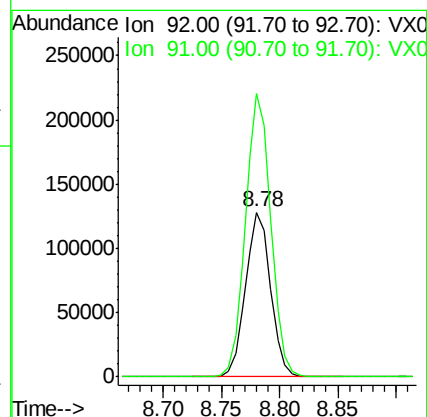
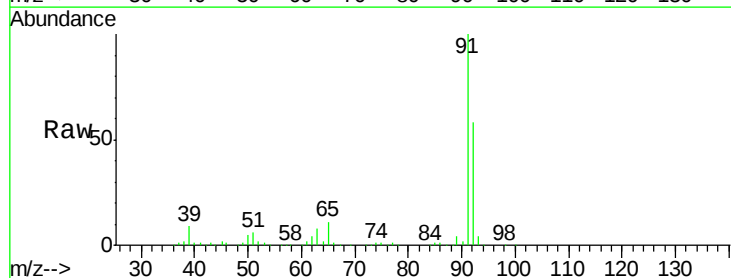
Acq: 12 Aug 2019 19:46

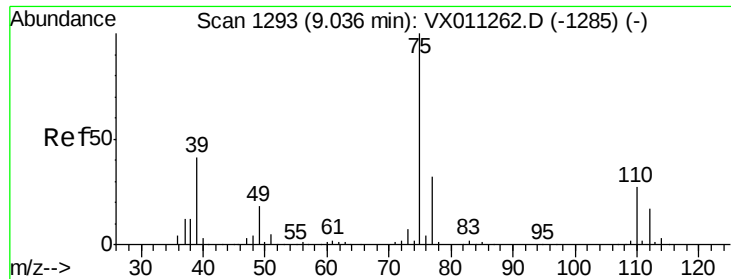
Tgt Ion: 92 Resp: 192531

Ion Ratio Lower Upper

92 100

91 174.2 139.4 209.0





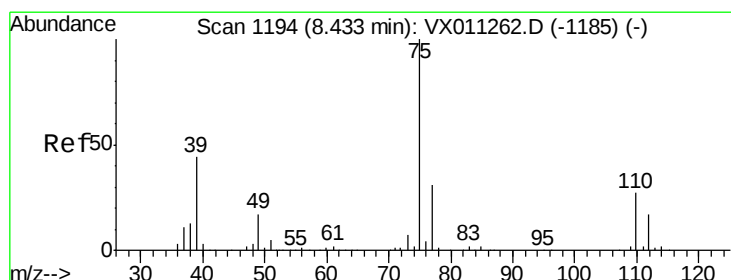
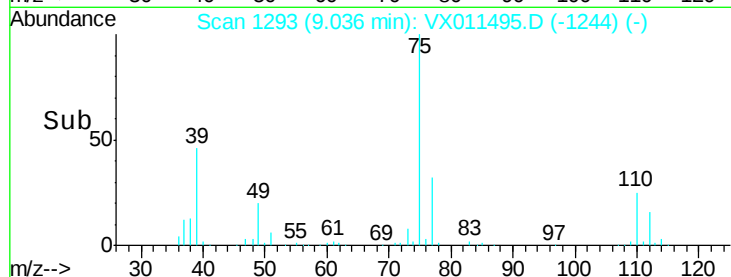
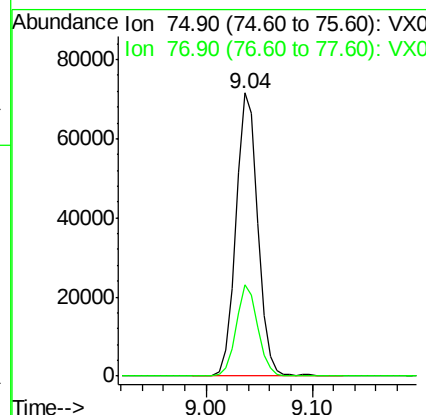
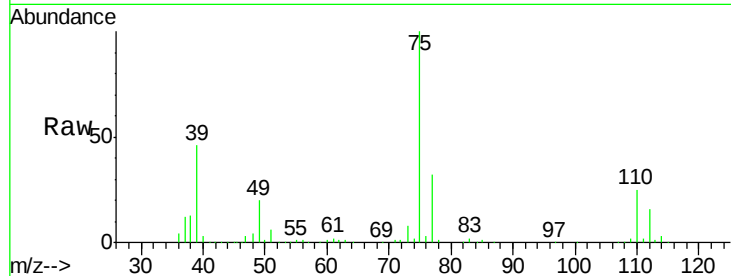
#53  
t-1,3-Dichloropropene  
Concen: 44.947 ug/l  
RT: 9.04 min Scan# 1293  
Delta R.T. 0.00 min  
Lab File: VX011495.D  
Acq: 12 Aug 2019 19:46

Instrument :  
MSVOA\_X  
ClientSampleId :  
Z3-0693MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 32.1  | 25.4  | 38.0  |

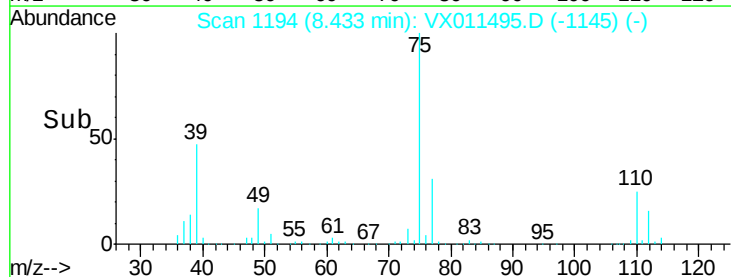
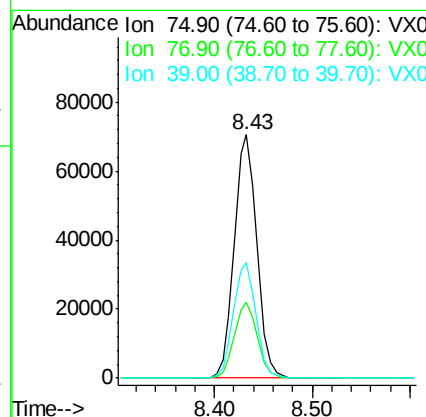
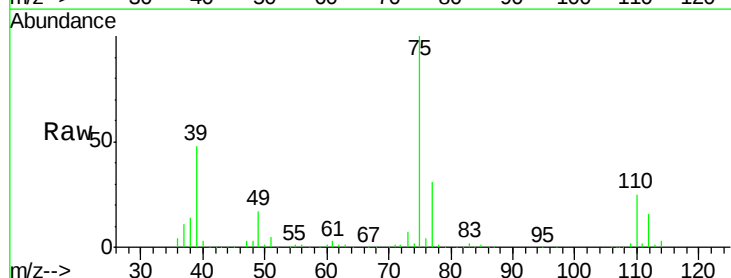
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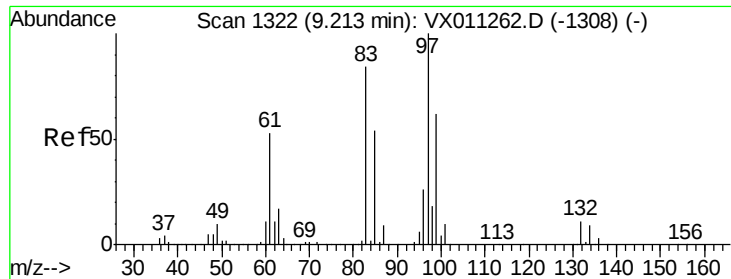
MMDadoda  
8/14/2019 9:13:57 AM



#54  
cis-1,3-Dichloropropene  
Concen: 48.730 ug/l  
RT: 8.43 min Scan# 1194  
Delta R.T. -0.00 min  
Lab File: VX011495.D  
Acq: 12 Aug 2019 19:46

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 31.1  | 25.0  | 37.6  |
| 39      | 47.3  | 35.3  | 52.9  |





#55

1,1,2-Trichloroethane

Concen: 49.565 ug/l

RT: 9.21 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VX011495.D

Acq: 12 Aug 2019 19:46

Instrument :

MSVOA\_X

ClientSampleId :

Z3-0693MS

Tot Ion: 97 Resp: 83759

Ion Ratio Lower Upper

97 100

83 80.0 67.6 101.4

85 53.1 43.4 65.0

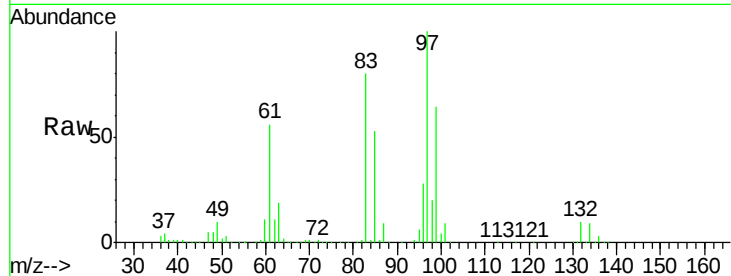
99 63.7 49.6 74.4

Manual Integrations

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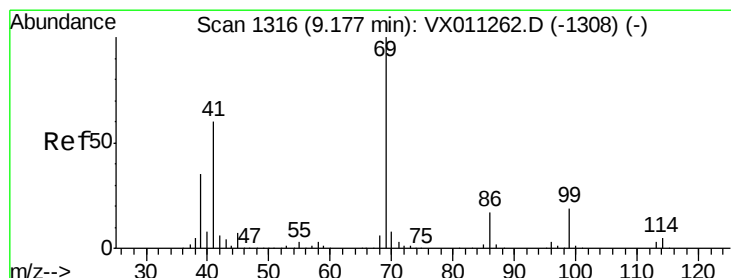
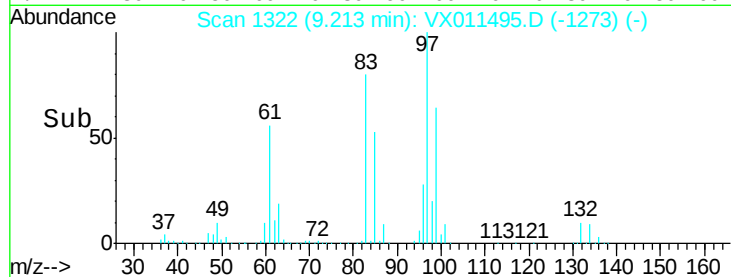
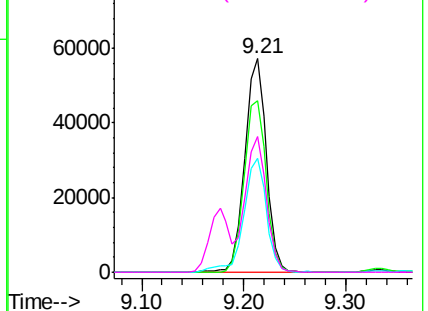
Abundance

Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



#56

Ethyl methacrylate

Concen: 50.520 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VX011495.D

Acq: 12 Aug 2019 19:46

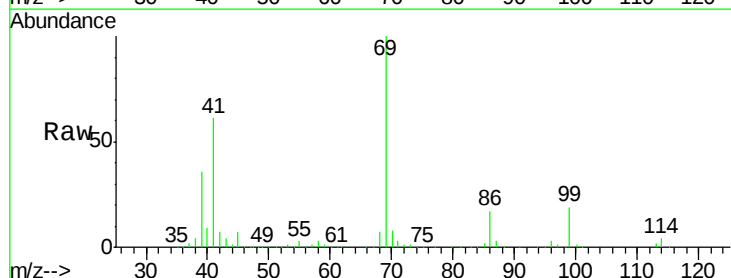
Tgt Ion: 69 Resp: 121663

Ion Ratio Lower Upper

69 100

41 63.4 48.6 73.0

39 37.6 29.4 44.2

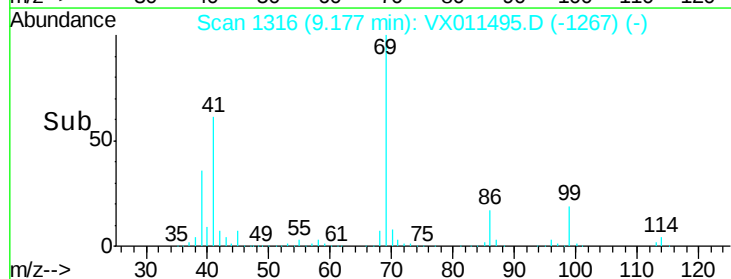
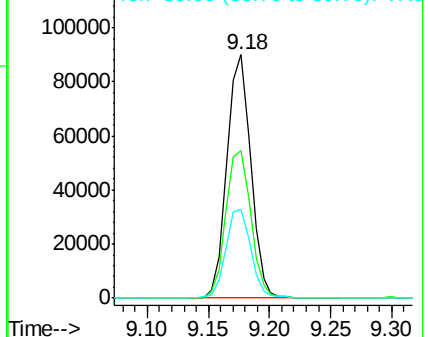


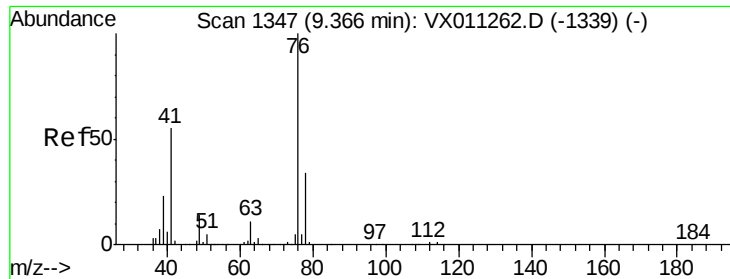
Abundance

Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





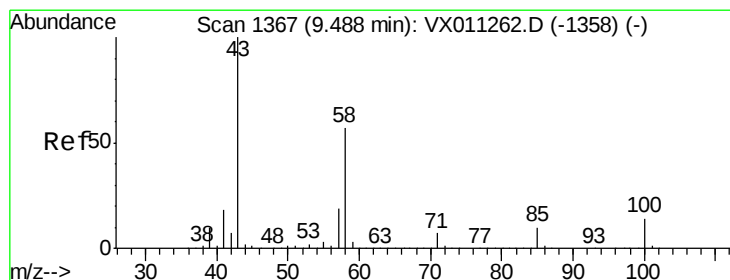
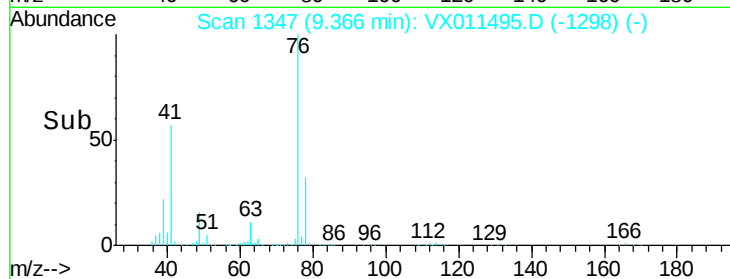
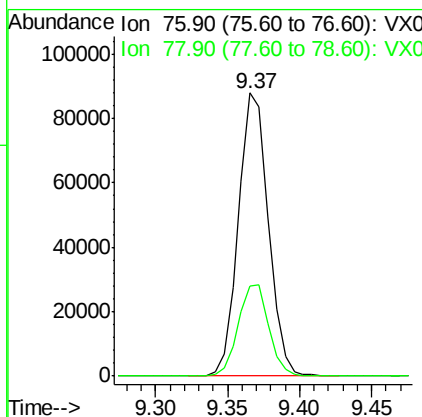
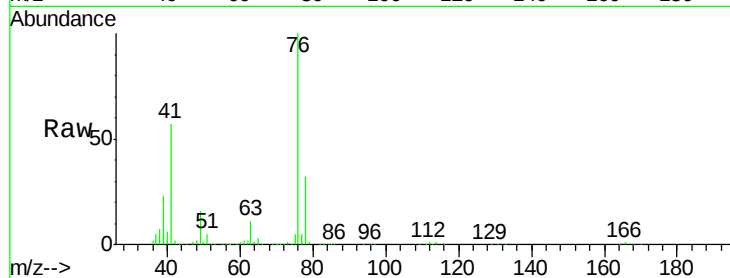
#57  
 1,3-Dichloropropane  
 Concen: 47.522 ug/l  
 RT: 9.37 min Scan# 1347  
 Delta R.T. -0.00 min  
 Lab File: VX011495.D  
 Acq: 12 Aug 2019 19:46

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 Z3-0693MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 33.0  | 26.6  | 40.0  |

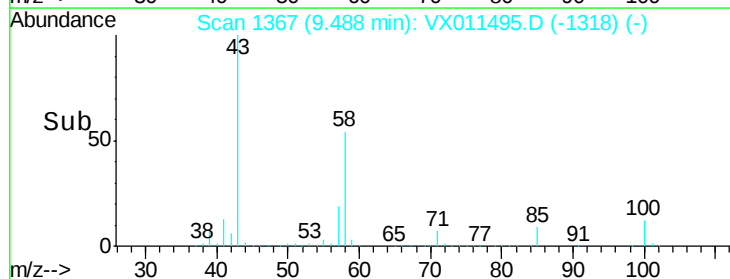
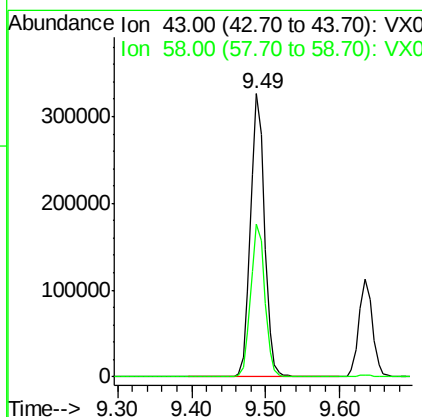
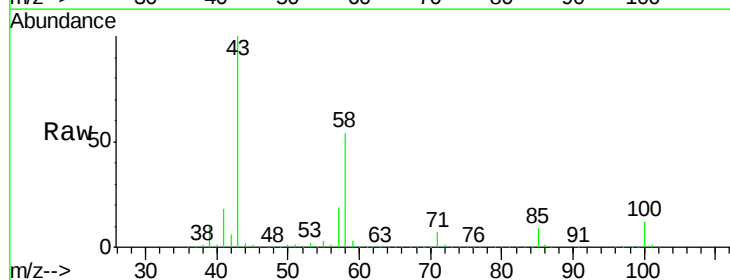
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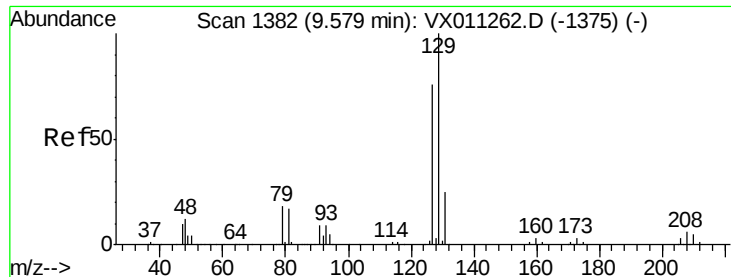
MMDadoda  
 8/14/2019 9:13:57 AM



#59  
 2-Hexanone  
 Concen: 260.131 ug/l  
 RT: 9.49 min Scan# 1367  
 Delta R.T. -0.00 min  
 Lab File: VX011495.D  
 Acq: 12 Aug 2019 19:46

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 58      | 54.6  | 28.2  | 84.6  |





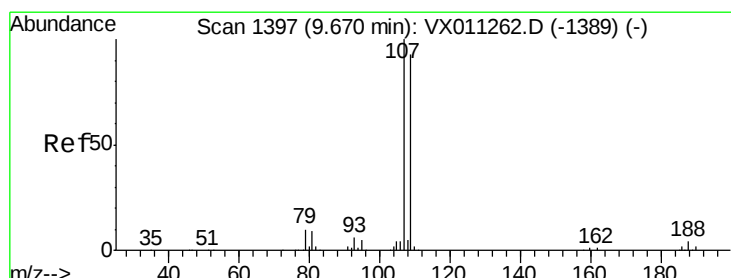
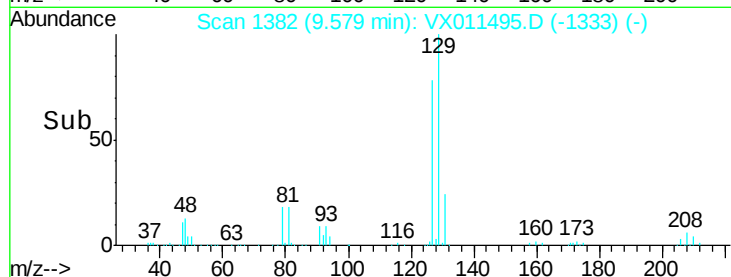
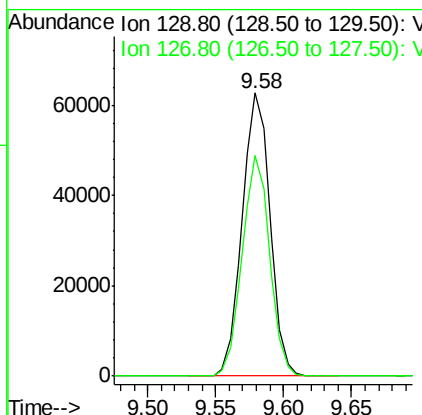
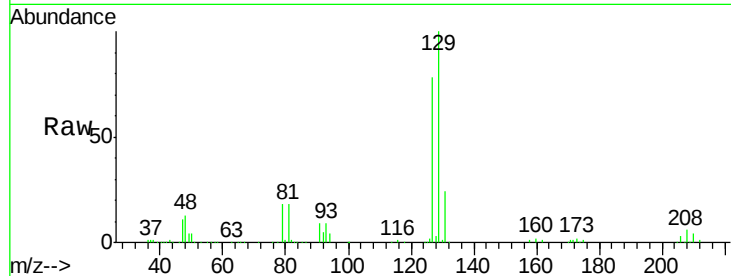
#60  
Dibromochloromethane  
Concen: 51.968 ug/l  
RT: 9.58 min Scan# 1382  
Delta R.T. -0.00 min  
Lab File: VX011495.D  
Acq: 12 Aug 2019 19:46

Instrument :  
MSVOA\_X  
ClientSampleId :  
Z3-0693MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 129     | 100   |       |       |
| 127     | 76.6  | 39.2  | 117.6 |

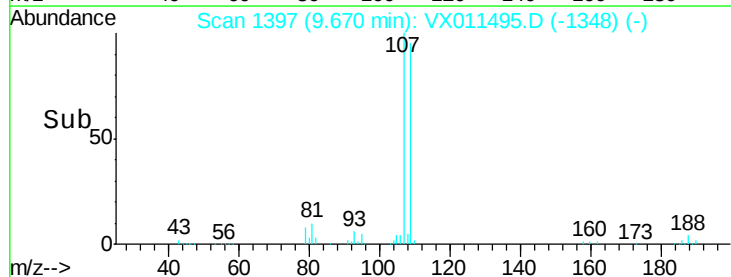
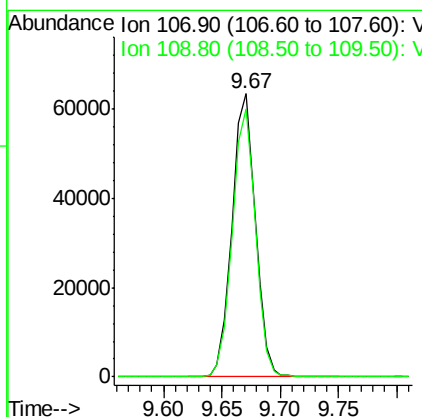
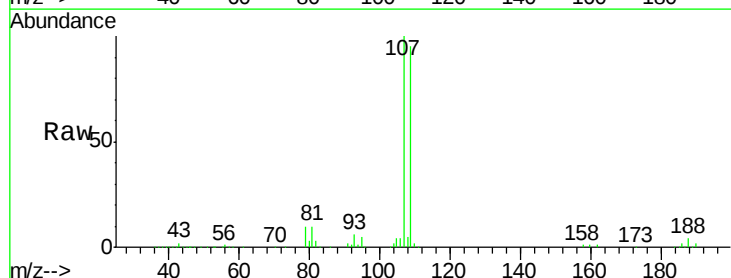
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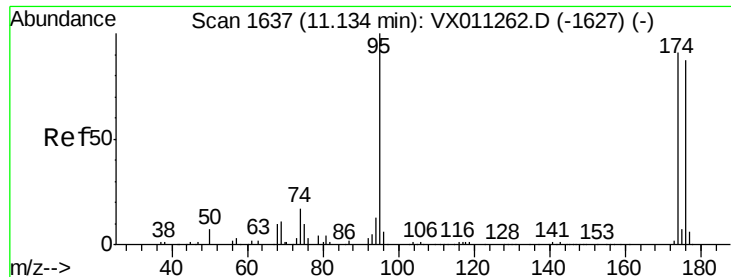
MMDadoda  
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#61  
1,2-Dibromoethane  
Concen: 48.943 ug/l  
RT: 9.67 min Scan# 1397  
Delta R.T. -0.00 min  
Lab File: VX011495.D  
Acq: 12 Aug 2019 19:46

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 109     | 94.0  | 76.6  | 114.8 |





#62

4-Bromofluorobenzene

Concen: 50.456 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX011495.D

Acq: 12 Aug 2019 19:46

Instrument :

MSVOA\_X

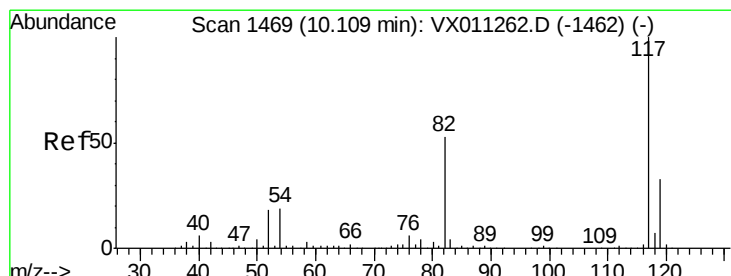
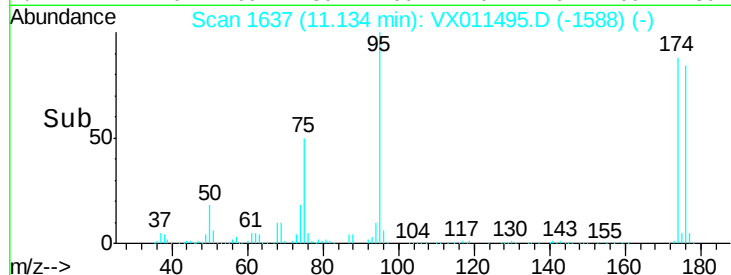
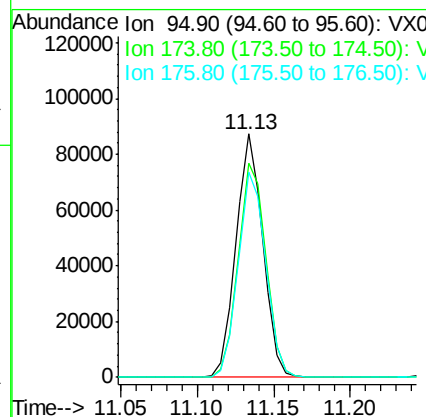
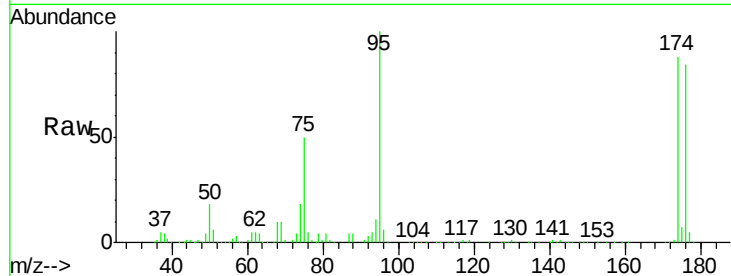
ClientSampleId :

Z3-0693MS

| Tot Ion | 95    | Resp  | 105924 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 95      | 100   |       |        |
| 174     | 91.0  | 0.0   | 191.2  |
| 176     | 86.6  | 0.0   | 184.8  |

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#63

Chlorobenzene-d5

Concen: 50.000 ug/l

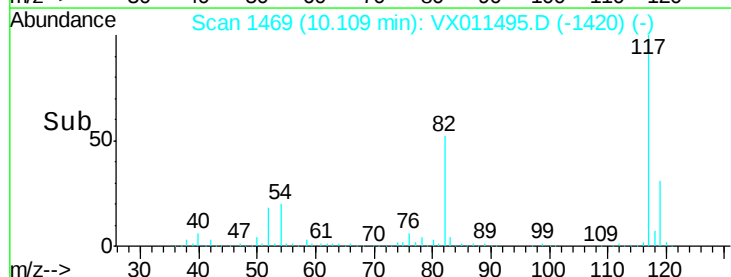
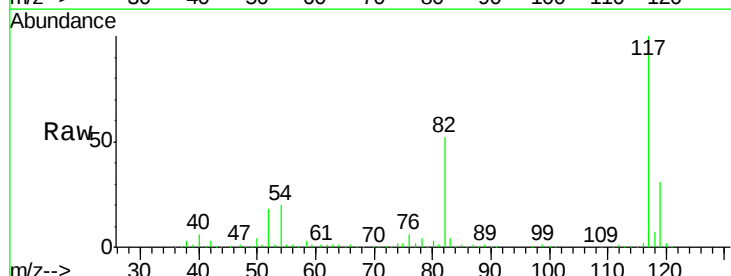
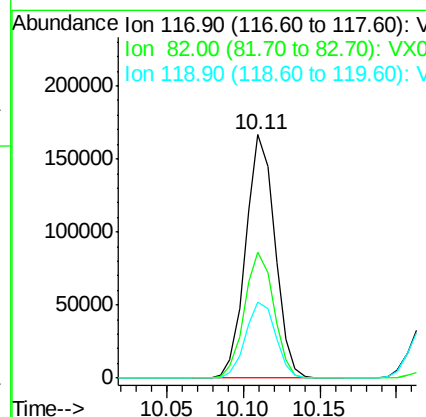
RT: 10.11 min Scan# 1469

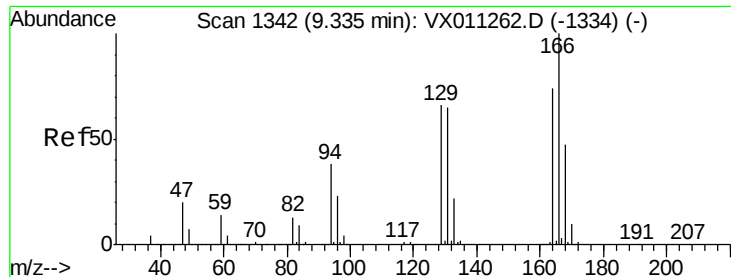
Delta R.T. -0.00 min

Lab File: VX011495.D

Acq: 12 Aug 2019 19:46

| Tgt Ion | 117   | Resp  | 220794 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 117     | 100   |       |        |
| 82      | 51.8  | 42.2  | 63.2   |
| 119     | 31.3  | 26.6  | 39.8   |





#64

Tetrachloroethene

Concen: 41.528 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.00 min

Lab File: VX011495.D

Acq: 12 Aug 2019 19:46

Instrument :

MSVOA\_X

ClientSampled :

Z3-0693MS

Tot Ion:164 Resp: 77868

Ion Ratio Lower Upper

164 100

166 131.7 107.5 161.3

129 92.3 71.0 106.4

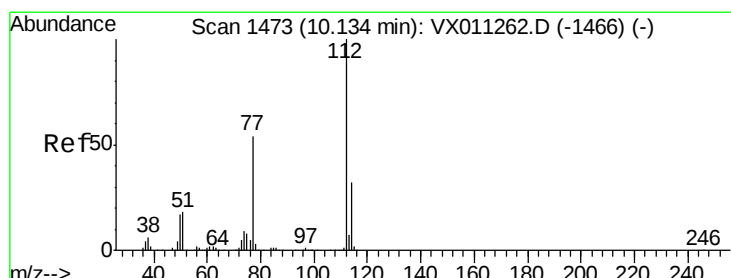
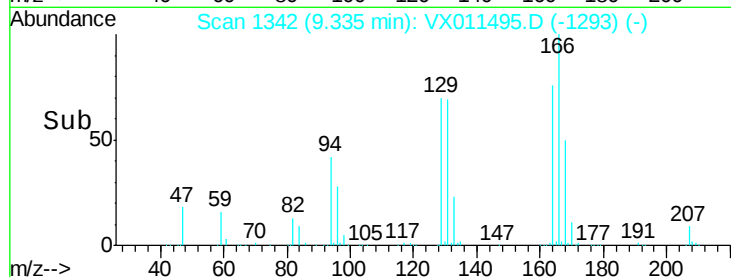
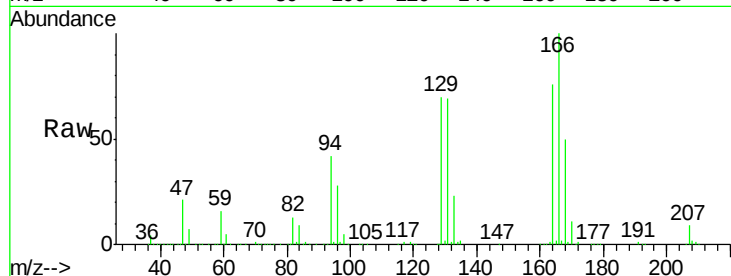
131 90.3 69.8 104.6

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#65

Chlorobenzene

Concen: 46.604 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. -0.00 min

Lab File: VX011495.D

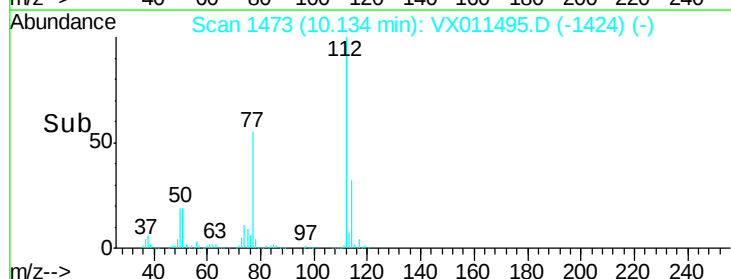
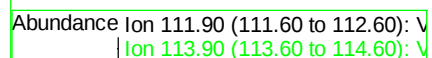
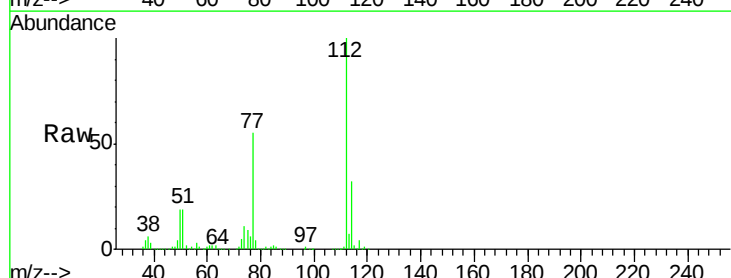
Acq: 12 Aug 2019 19:46

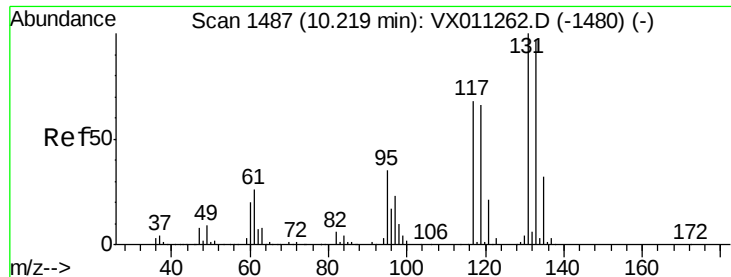
Tgt Ion:112 Resp: 220630

Ion Ratio Lower Upper

112 100

114 32.0 25.9 38.9





#66

1,1,1,2-Tetrachloroethane

Concen: 50.924 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX011495.D

Acq: 12 Aug 2019 19:46

Instrument :

MSVOA\_X

ClientSampleId :

Z3-0693MS

Tot Ion:131 Resp: 82535

Ion Ratio Lower Upper

131 100

133 95.4 47.7 143.1

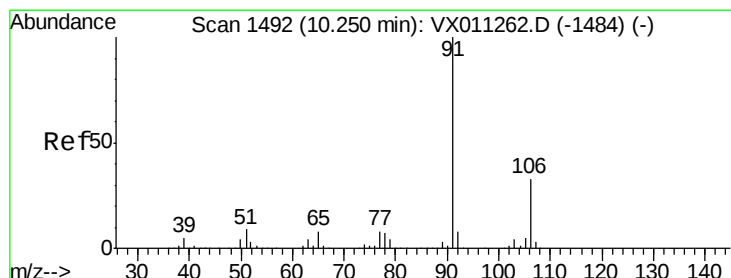
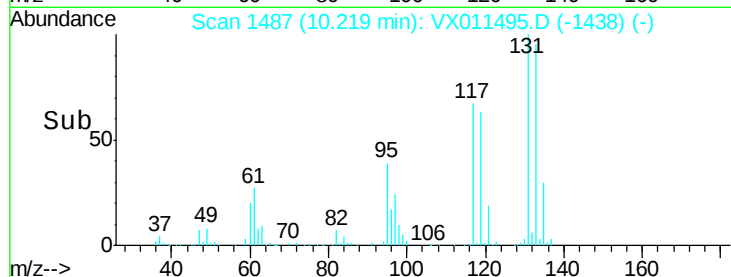
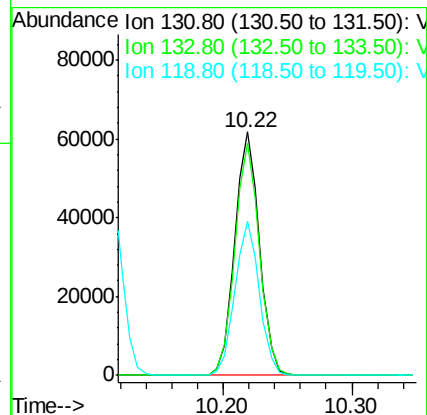
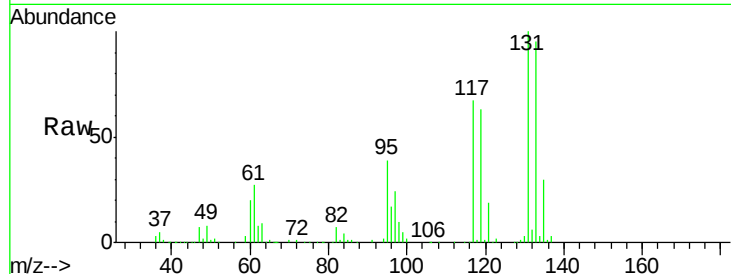
119 63.2 32.8 98.3

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#67

Ethyl Benzene

Concen: 48.126 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX011495.D

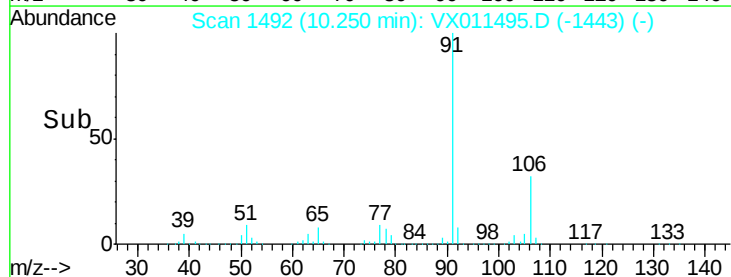
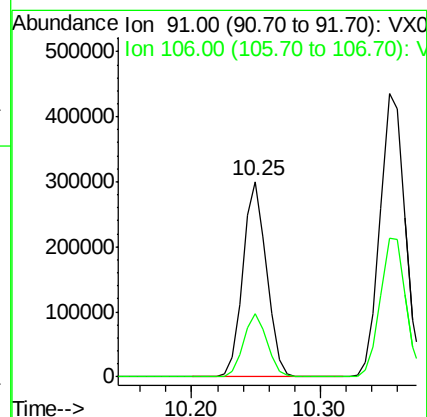
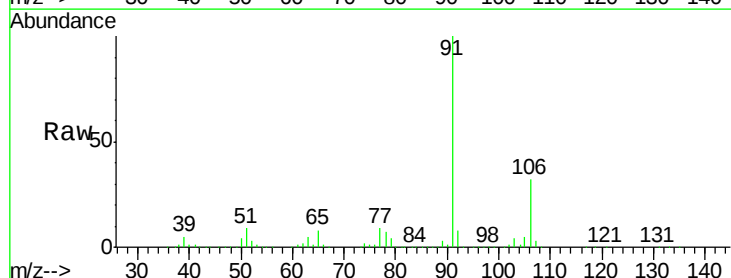
Acq: 12 Aug 2019 19:46

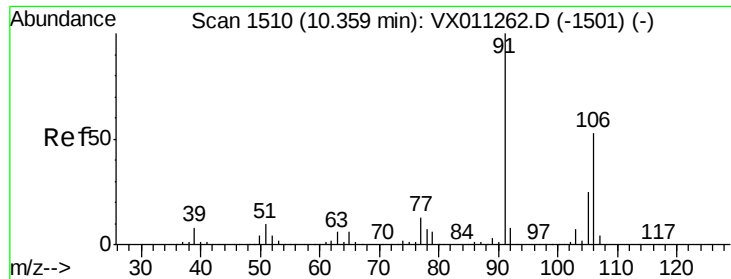
Tgt Ion: 91 Resp: 381561

Ion Ratio Lower Upper

91 100

106 32.2 26.2 39.4





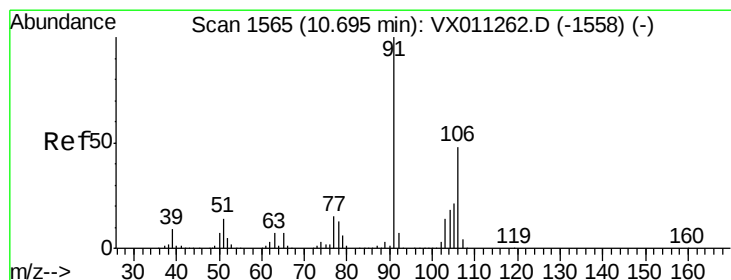
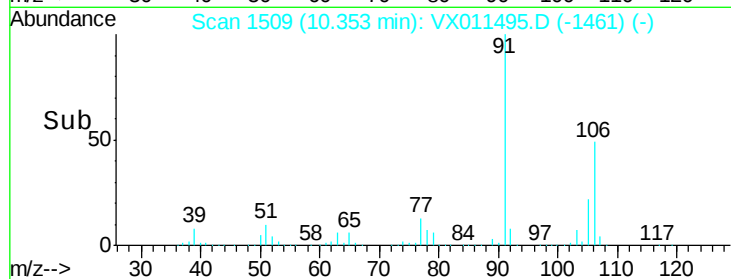
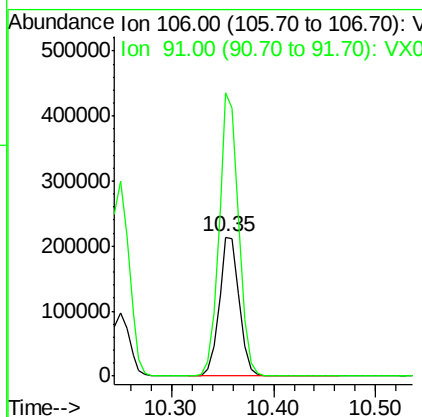
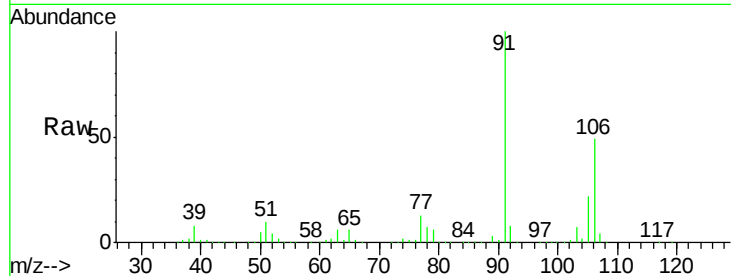
#68  
m/p-Xvlenes  
Concen: 94.929 ug/l  
RT: 10.35 min Scan# 1509  
Delta R.T. -0.01 min  
Lab File: VX011495.D  
Acq: 12 Aug 2019 19:46

Instrument :  
MSVOA\_X  
ClientSampled :  
Z3-0693MS

| Tot Ion | Ion | Ratio | Resp  | Lower | Upper |
|---------|-----|-------|-------|-------|-------|
| 291120  | 106 | 100   |       |       |       |
|         | 91  | 199.9 | 155.9 | 233.9 |       |

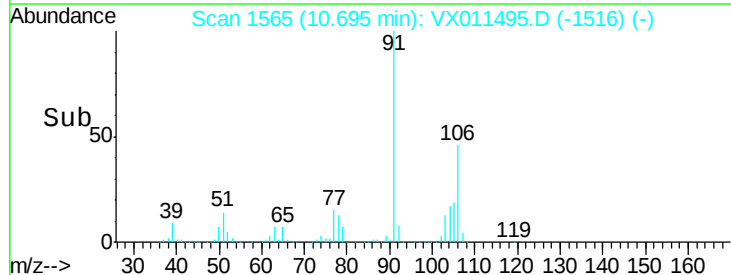
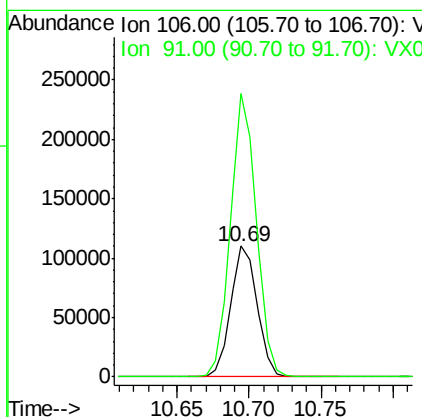
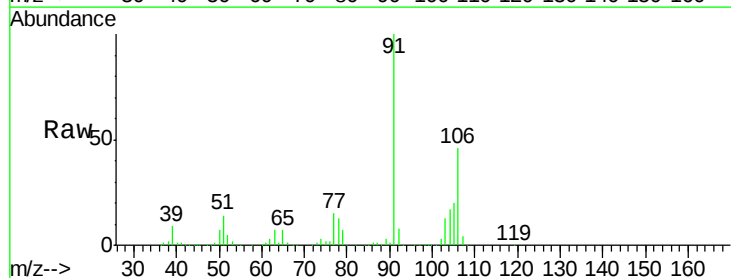
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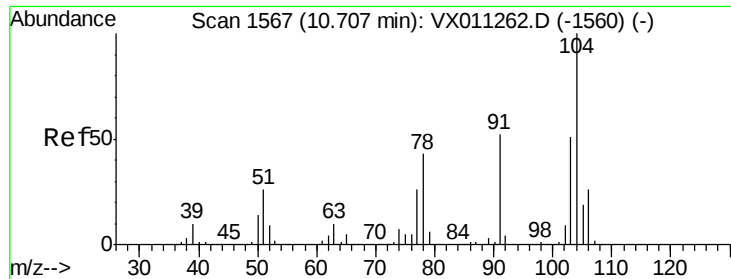
MMDadoda  
8/14/2019 9:13:57 AM



#69  
o-Xylene  
Concen: 47.265 ug/l  
RT: 10.69 min Scan# 1565  
Delta R.T. -0.00 min  
Lab File: VX011495.D  
Acq: 12 Aug 2019 19:46

| Tgt Ion | Ion | Ratio | Resp  | Lower | Upper |
|---------|-----|-------|-------|-------|-------|
| 142416  | 106 | 100   |       |       |       |
|         | 91  | 212.0 | 103.8 | 311.3 |       |





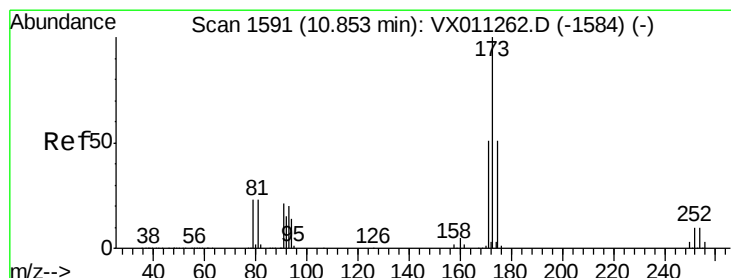
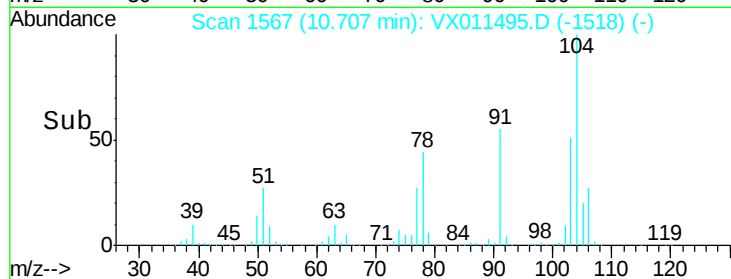
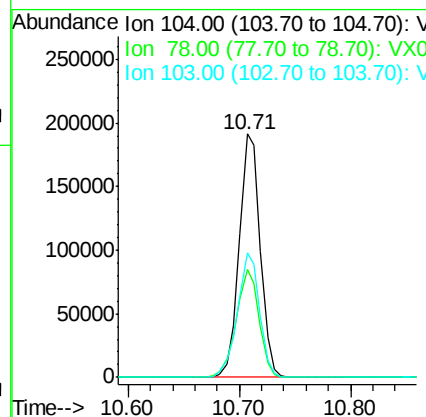
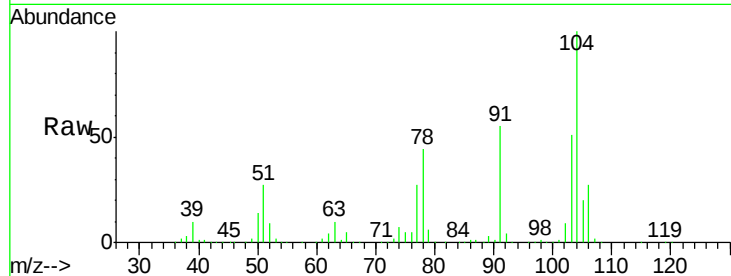
#70  
Stvrene  
Concen: 50.149 ug/l  
RT: 10.71 min Scan# 1567  
Delta R.T. -0.00 min  
Lab File: VX011495.D  
Acq: 12 Aug 2019 19:46

Instrument :  
MSVOA\_X  
ClientSampled :  
Z3-0693MS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 104     | 100   | 250026 |       |       |
| 78      | 48.3  |        | 36.9  | 55.3  |
| 103     | 53.9  |        | 44.4  | 66.6  |

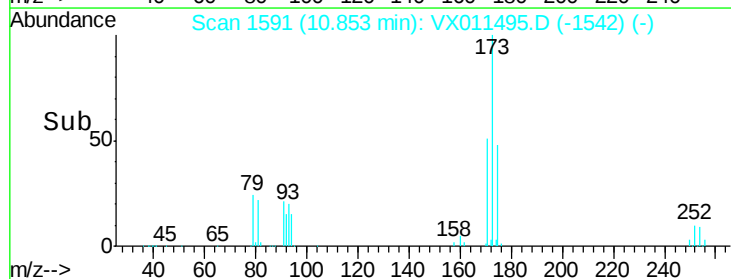
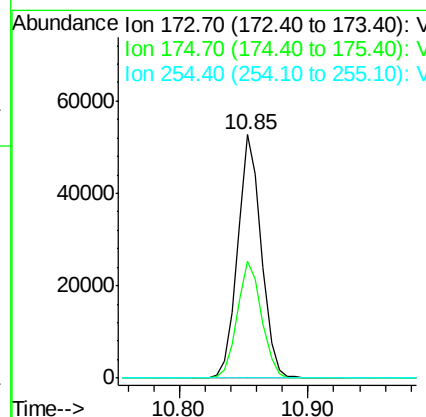
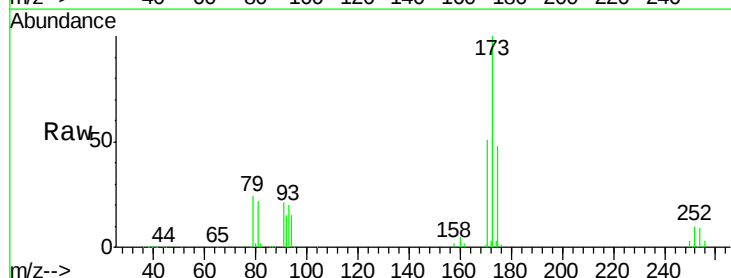
Manual Integrations  
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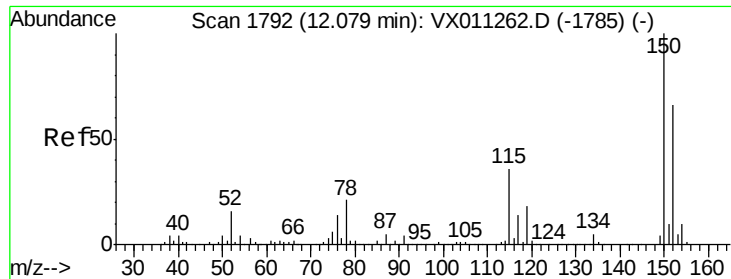
MMDadoda  
8/14/2019 9:13:57 AM



#71  
Bromoform  
Concen: 46.647 ug/l  
RT: 10.85 min Scan# 1591  
Delta R.T. 0.00 min  
Lab File: VX011495.D  
Acq: 12 Aug 2019 19:46

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 173     | 100   | 67306 |       |       |
| 175     | 49.2  |       | 24.4  | 73.4  |
| 254     | 0.1   |       | 0.2   | 0.2#  |





#72

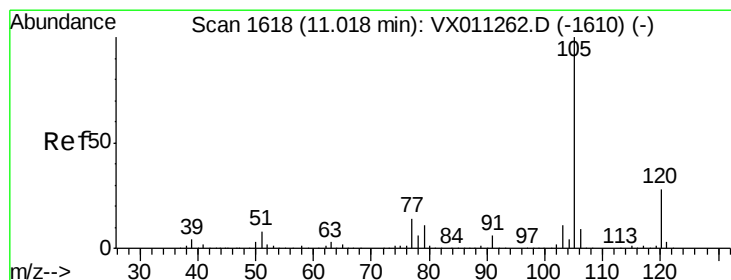
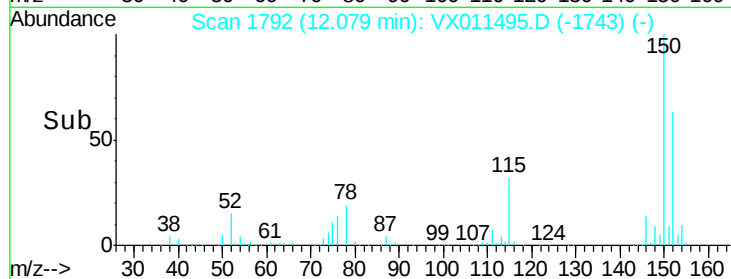
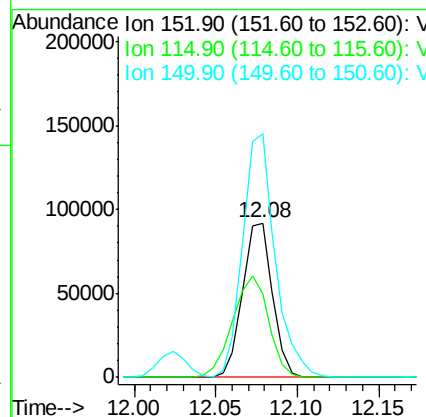
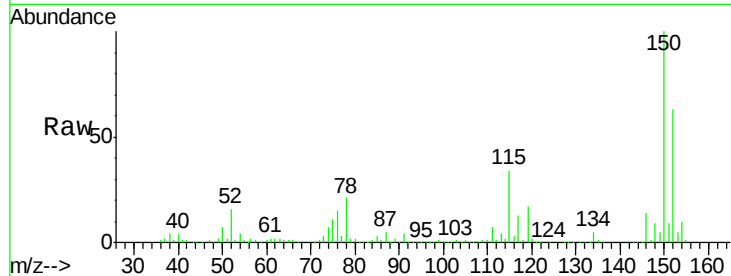
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.08 min Scan# 1792  
Delta R.T. -0.00 min  
Lab File: VX011495.D  
Acq: 12 Aug 2019 19:46

Instrument :  
MSVOA\_X  
ClientSampleId :  
Z3-0693MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 78.6  | 40.0  | 119.9 |
| 150     | 171.1 | 0.0   | 350.4 |

Manual Integrations  
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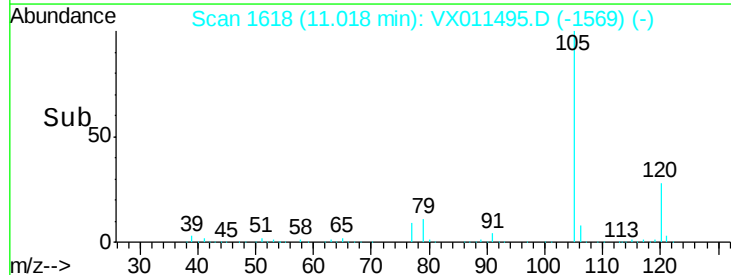
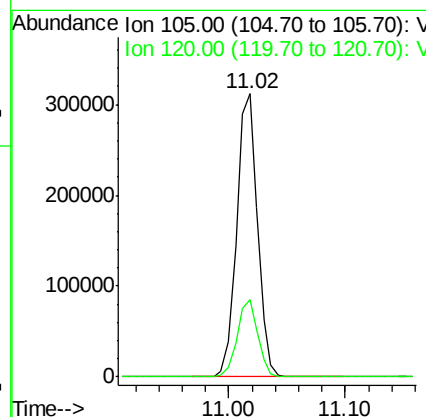
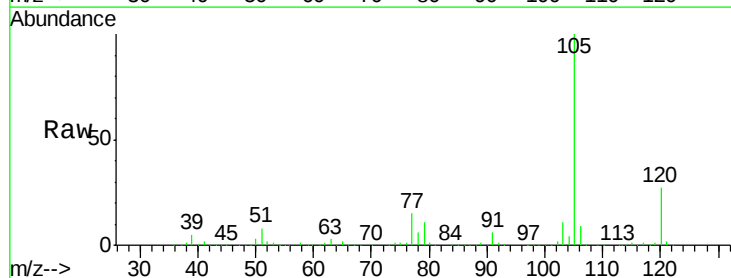
MMDadoda  
8/14/2019 9:13:57 AM

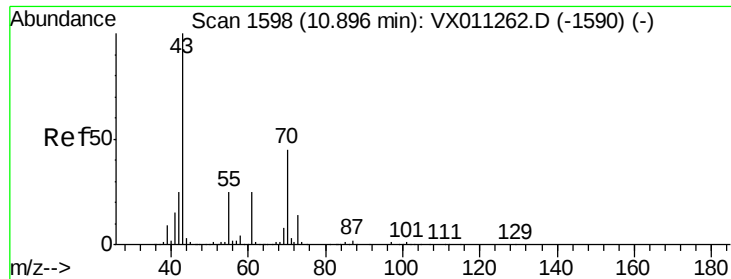


#73

Isopropylbenzene  
Concen: 48.113 ug/l  
RT: 11.02 min Scan# 1618  
Delta R.T. -0.00 min  
Lab File: VX011495.D  
Acq: 12 Aug 2019 19:46

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 27.0  | 13.7  | 41.1  |





#74

N-amvl acetate

Concen: 47.382 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX011495.D

Acq: 12 Aug 2019 19:46

Instrument :

MSVOA\_X

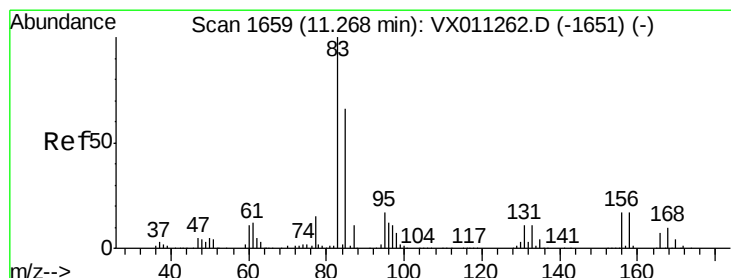
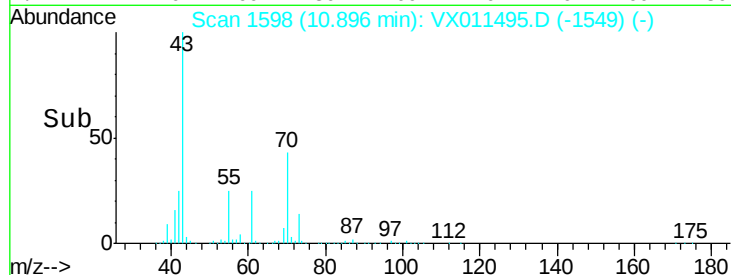
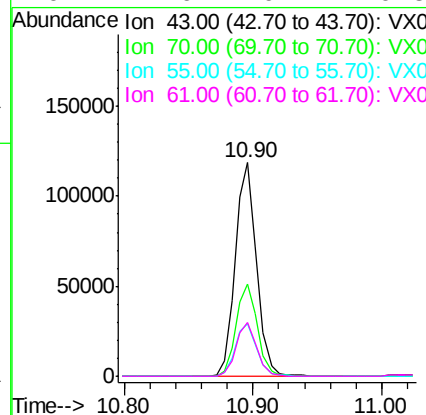
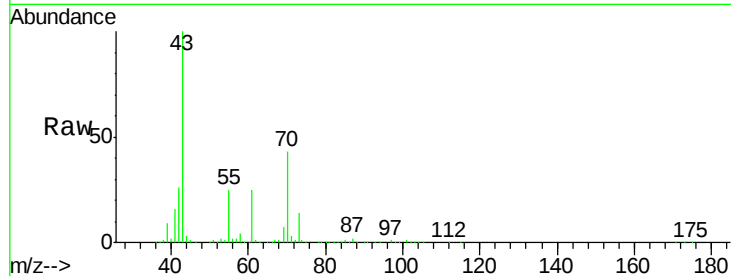
ClientSampleId :

Z3-0693MS

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 43      | 100  |       | 137844 |       |       |
| 70      | 43.4 | 35.9  | 53.9   |       |       |
| 55      | 24.8 | 19.8  | 29.6   |       |       |
| 61      | 24.6 | 19.7  | 29.5   |       |       |

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8/14/2019 9:13:57 AM



#75

1,1,2,2-Tetrachloroethane

Concen: 49.055 ug/l

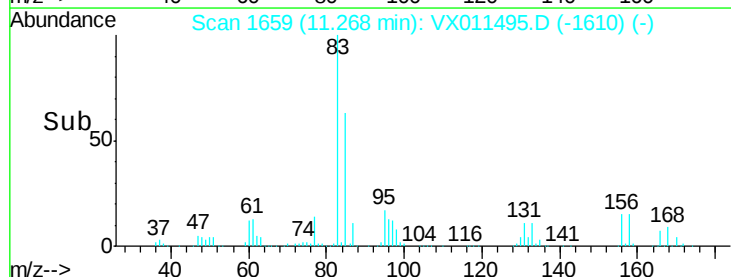
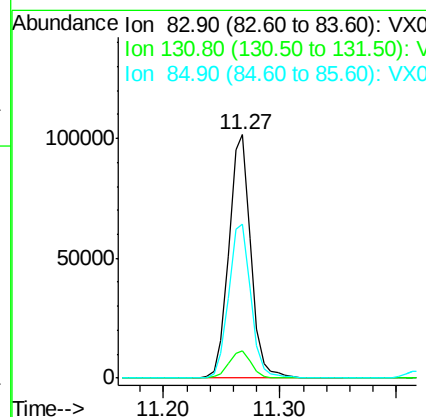
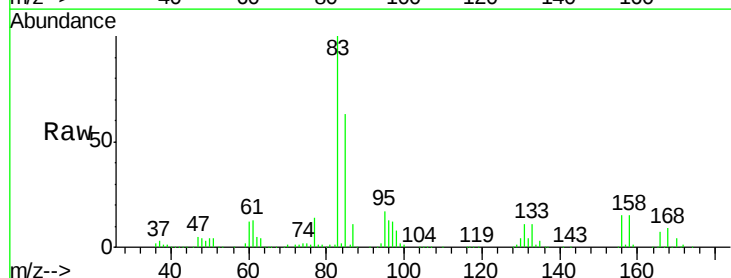
RT: 11.27 min Scan# 1659

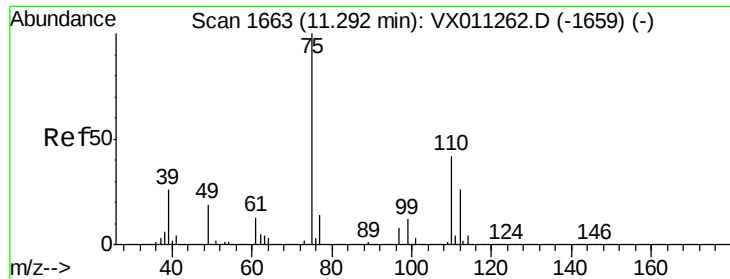
Delta R.T. -0.00 min

Lab File: VX011495.D

Acq: 12 Aug 2019 19:46

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 83      | 100  |       | 131620 |       |       |
| 131     | 11.3 | 5.6   | 16.8   |       |       |
| 85      | 64.5 | 32.1  | 96.5   |       |       |





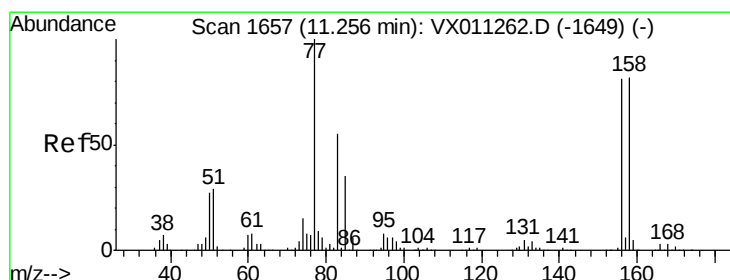
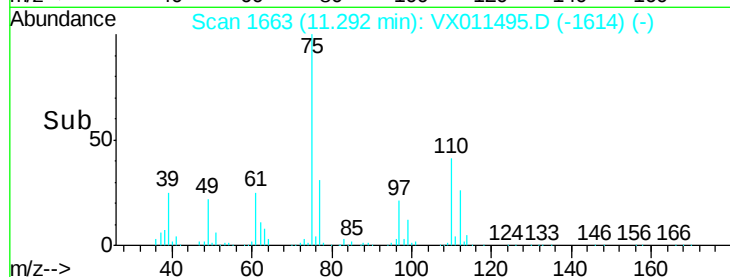
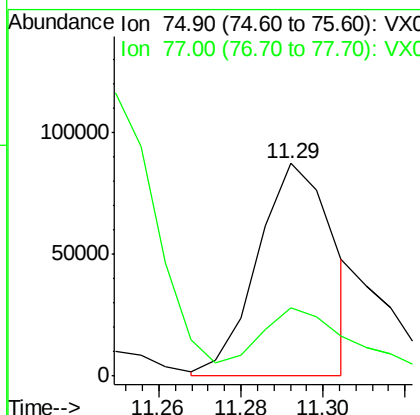
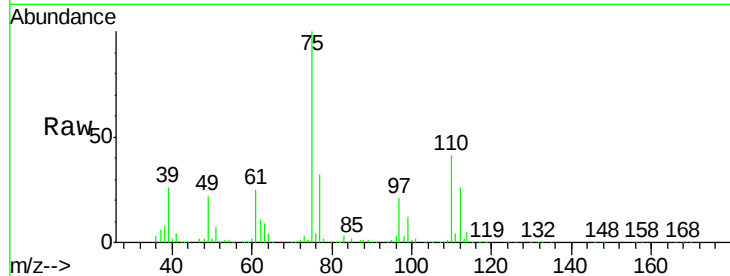
#76  
 1,2,3-Trichloropropane  
 Concen: 51.862 ug/l m  
 RT: 11.29 min Scan# 1663  
 Delta R.T. -0.00 min  
 Lab File: VX011495.D  
 Acq: 12 Aug 2019 19:46

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 Z3-0693MS

Tot Ion: 75 Resp: 111183  
 Ion Ratio Lower Upper  
 75 100  
 77 40.5 21.1 63.4

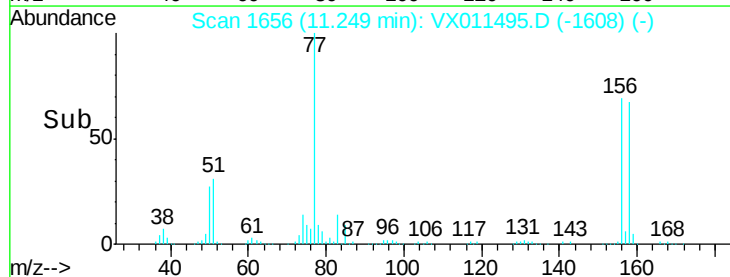
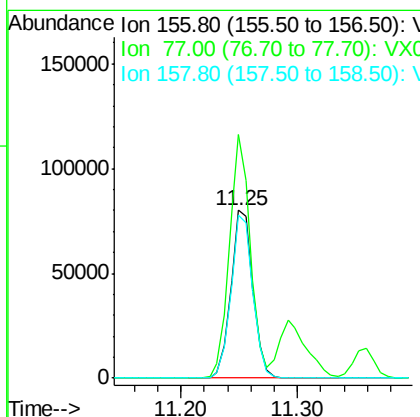
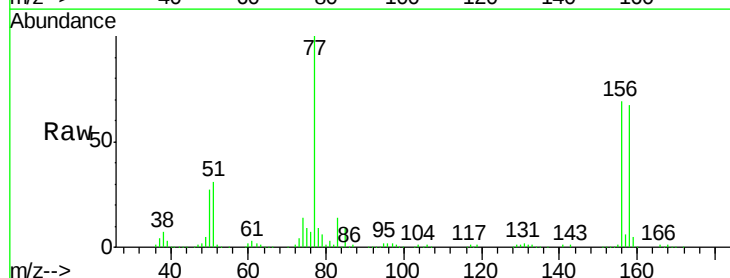
Manual Integrations  
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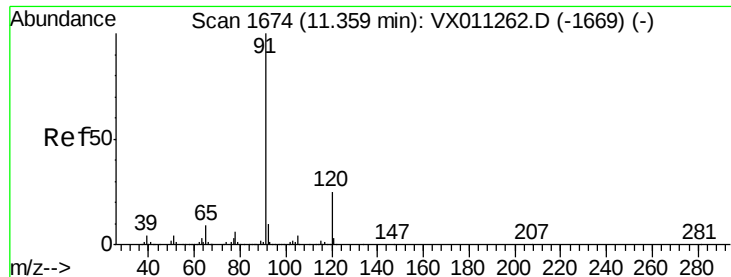
MMDadoda  
 8/14/2019 9:13:57 AM



#77  
 Bromobenzene  
 Concen: 46.840 ug/l  
 RT: 11.25 min Scan# 1656  
 Delta R.T. -0.01 min  
 Lab File: VX011495.D  
 Acq: 12 Aug 2019 19:46

Tgt Ion: 156 Resp: 104575  
 Ion Ratio Lower Upper  
 156 100  
 77 138.5 66.2 198.6  
 158 96.4 49.1 147.3





#78

n-propylbenzene

Concen: 47.658 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX011495.D

Acq: 12 Aug 2019 19:46

Instrument :

MSVOA\_X

ClientSampleId :

Z3-0693MS

Tot Ion: 91 Resp: 426707

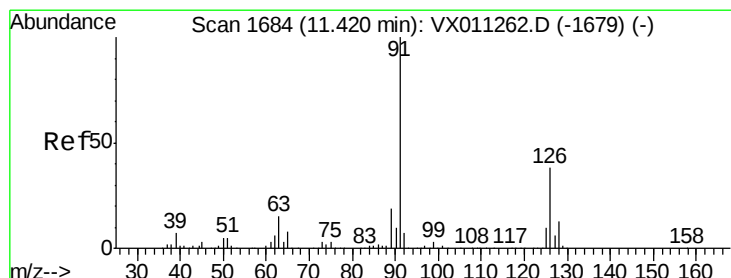
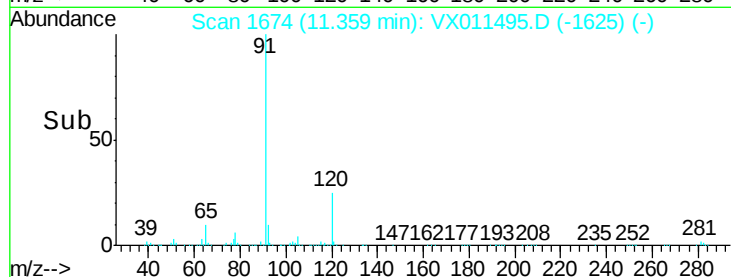
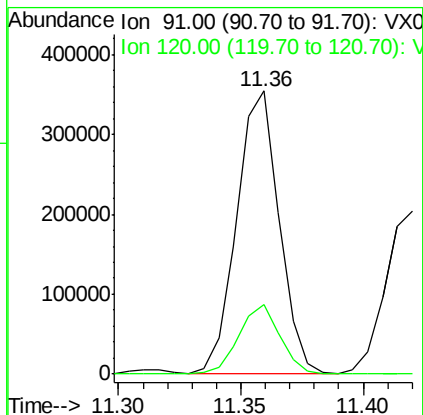
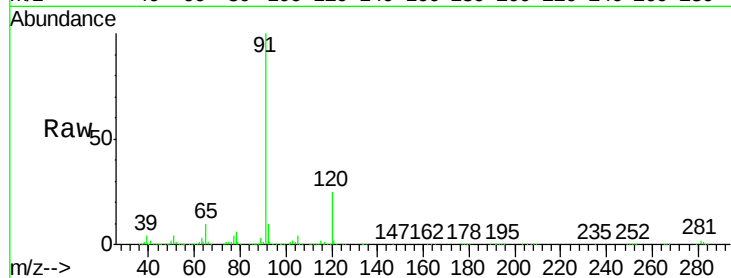
Ion Ratio Lower Upper

91 100

120 23.9 12.4 37.0

Manual Integrations  
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8/14/2019 9:13:57 AM



#79

2-Chlorotoluene

Concen: 47.858 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX011495.D

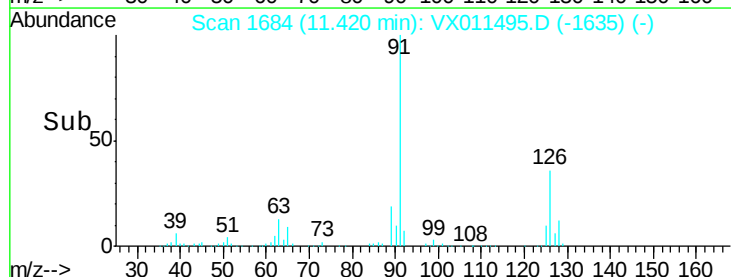
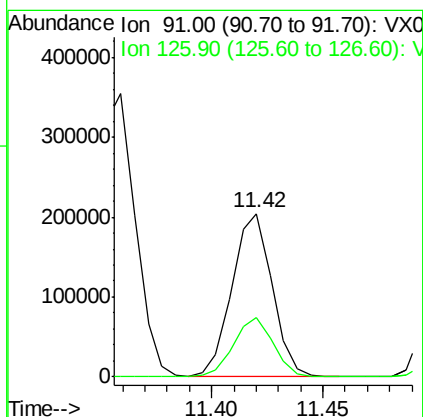
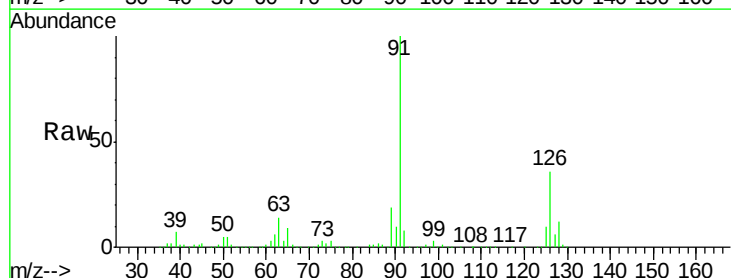
Acq: 12 Aug 2019 19:46

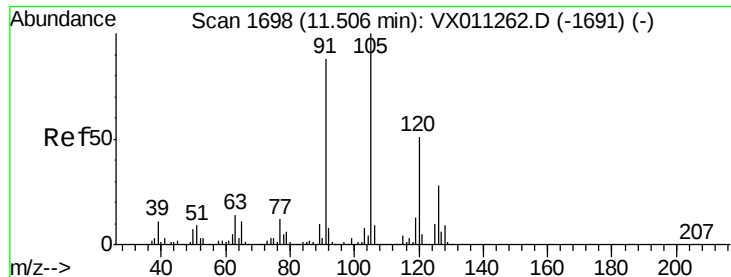
Tgt Ion: 91 Resp: 255397

Ion Ratio Lower Upper

91 100

126 36.2 18.5 55.5





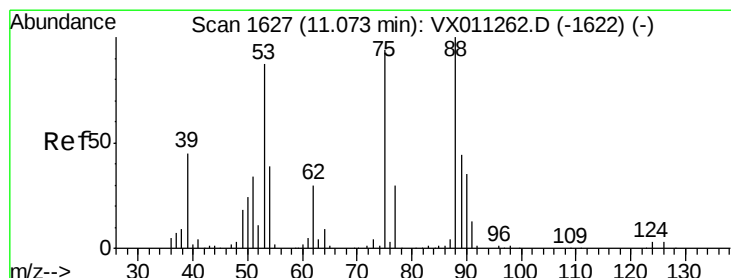
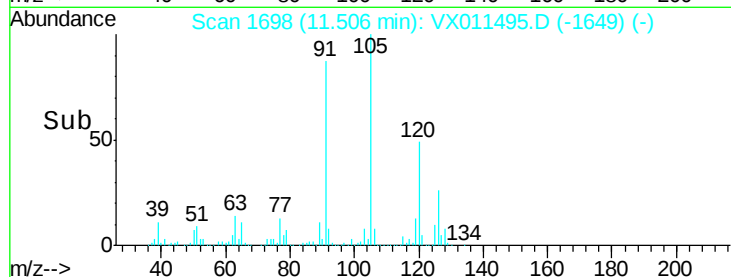
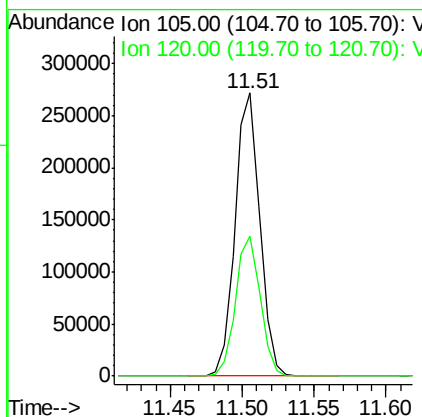
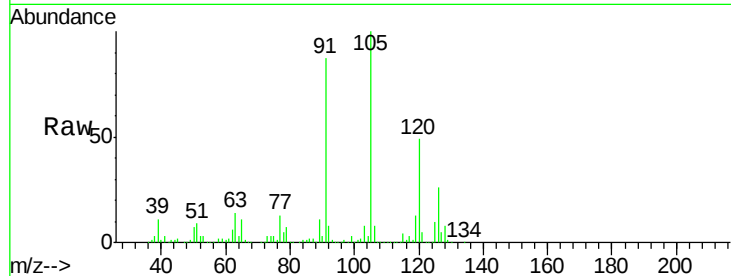
#80  
 1,3,5-Trimethylbenzene  
 Concen: 48.351 ug/l  
 RT: 11.51 min Scan# 1698  
 Delta R.T. -0.00 min  
 Lab File: VX011495.D  
 Acq: 12 Aug 2019 19:46

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 Z3-0693MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 49.6  | 25.1  | 75.2  |

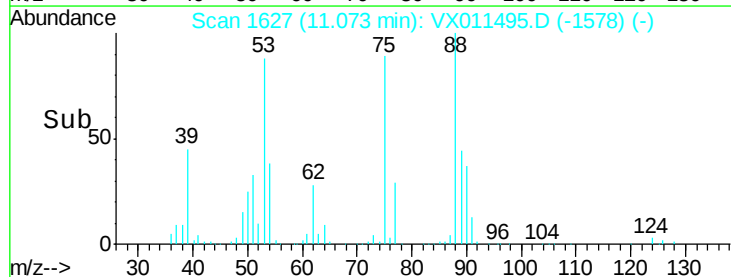
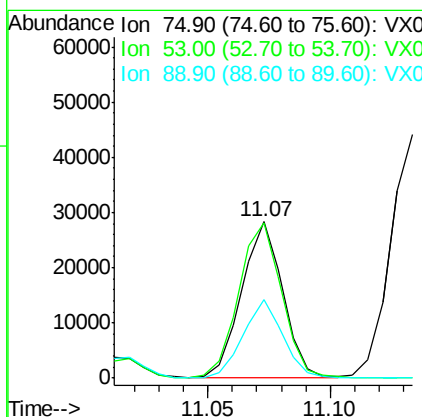
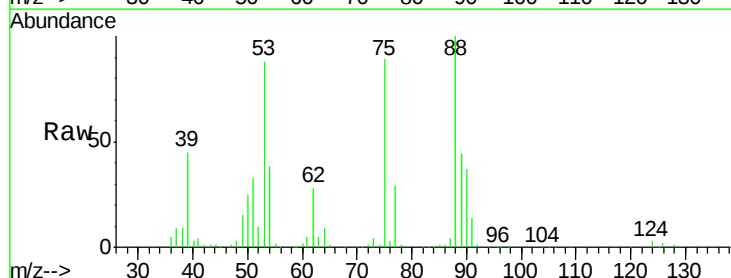
Manual Integrations  
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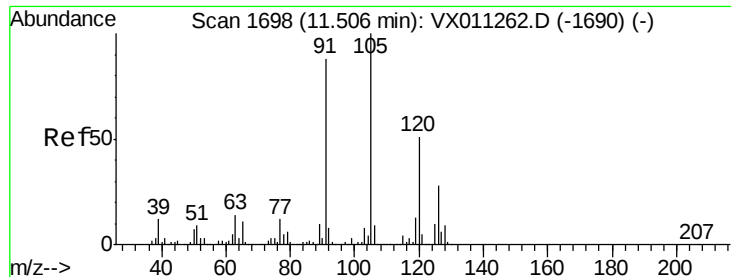
MMDadoda  
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#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 42.038 ug/l  
 RT: 11.07 min Scan# 1627  
 Delta R.T. 0.00 min  
 Lab File: VX011495.D  
 Acq: 12 Aug 2019 19:46

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 53      | 104.8 | 78.2  | 117.4 |
| 89      | 49.1  | 37.9  | 56.9  |





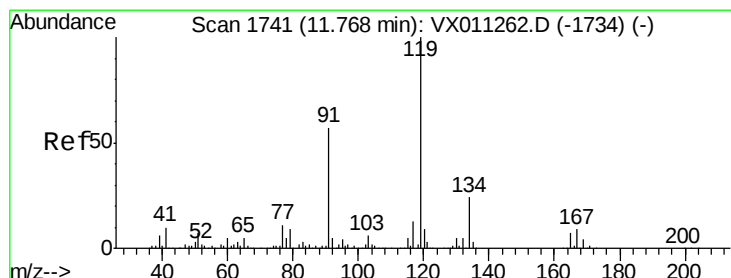
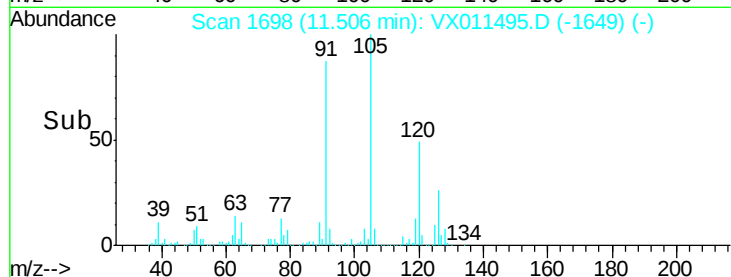
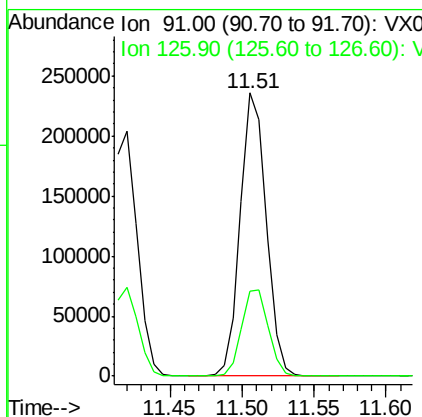
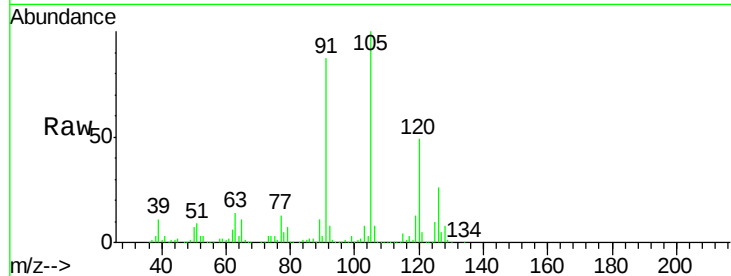
#82  
4-Chlorotoluene  
Concen: 47.674 ug/l  
RT: 11.51 min Scan# 1698  
Delta R.T. -0.00 min  
Lab File: VX011495.D  
Acq: 12 Aug 2019 19:46

Instrument :  
MSVOA\_X  
ClientSampled :  
Z3-0693MS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 91      | 100   | 296505 |       |       |
| 126     | 31.3  | 16.4   | 49.2  |       |

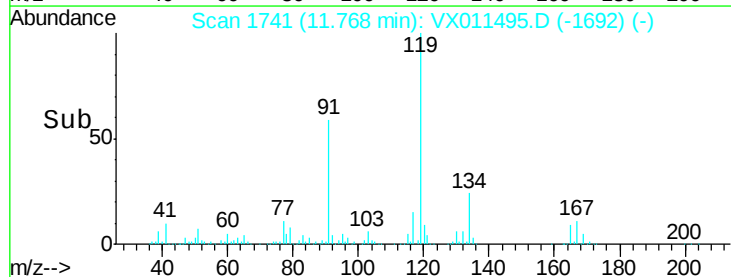
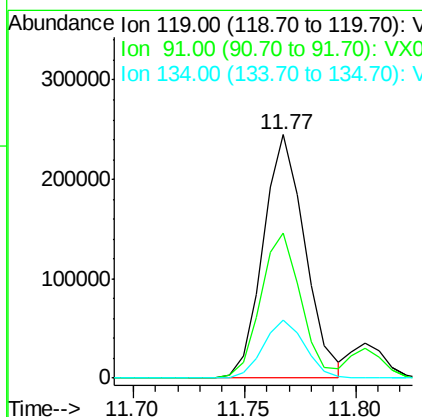
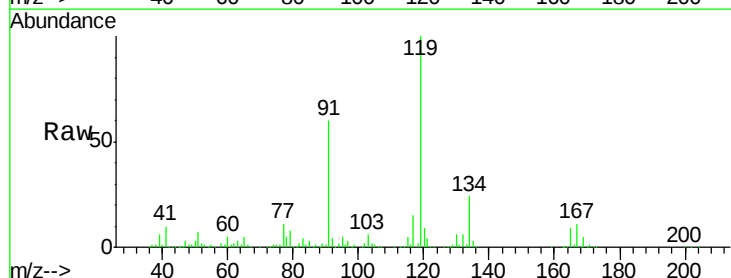
Manual Integrations  
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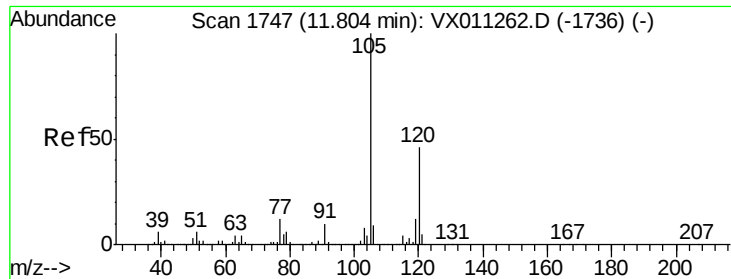
MMDadoda  
8/14/2019 9:13:57 AM



#83  
tert-Butylbenzene  
Concen: 48.463 ug/l  
RT: 11.77 min Scan# 1741  
Delta R.T. -0.00 min  
Lab File: VX011495.D  
Acq: 12 Aug 2019 19:46

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 119     | 100   | 320353 |       |       |
| 91      | 57.8  | 28.0   | 84.0  |       |
| 134     | 23.5  | 11.9   | 35.5  |       |





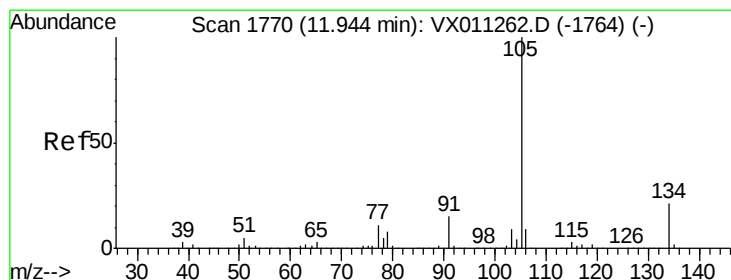
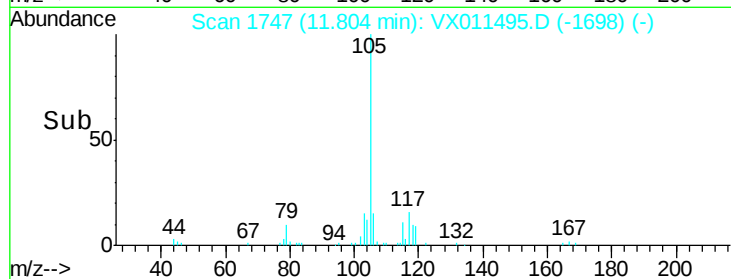
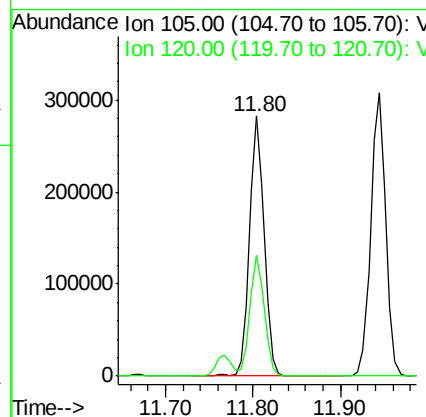
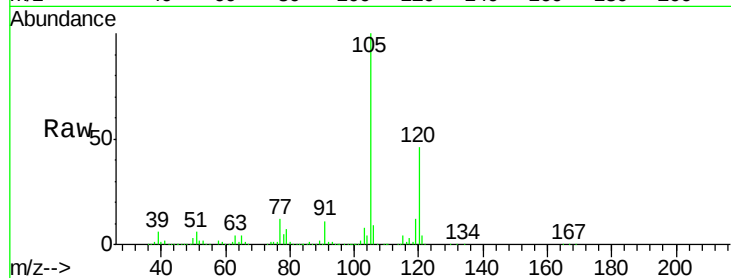
#84  
 1,2,4-Trimethylbenzene  
 Concen: 48.970 ug/l  
 RT: 11.80 min Scan# 1747  
 Delta R.T. -0.00 min  
 Lab File: VX011495.D  
 Acq: 12 Aug 2019 19:46

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 Z3-0693MS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 105     | 100   | 328600 |       |       |
| 120     | 46.0  | 23.0   | 69.0  |       |

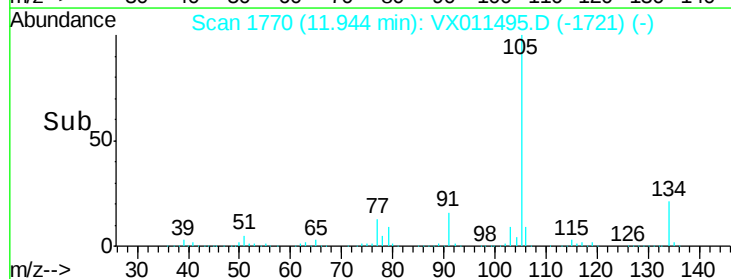
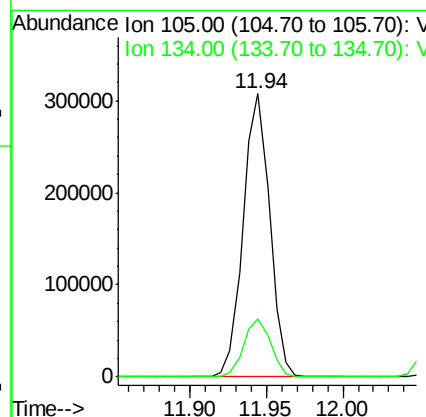
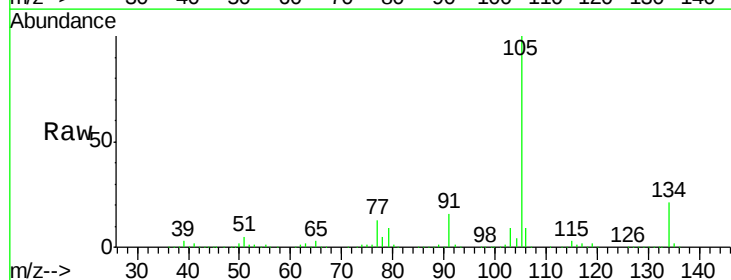
Manual Integrations  
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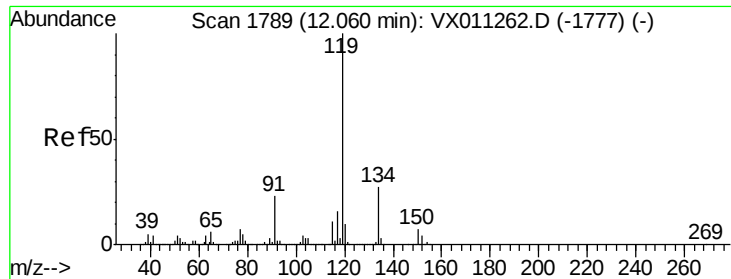
MMDadoda  
 8/14/2019 9:13:57 AM



#85  
 sec-Butylbenzene  
 Concen: 46.559 ug/l  
 RT: 11.94 min Scan# 1770  
 Delta R.T. -0.00 min  
 Lab File: VX011495.D  
 Acq: 12 Aug 2019 19:46

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 105     | 100   | 369766 |       |       |
| 134     | 20.6  | 10.4   | 31.4  |       |





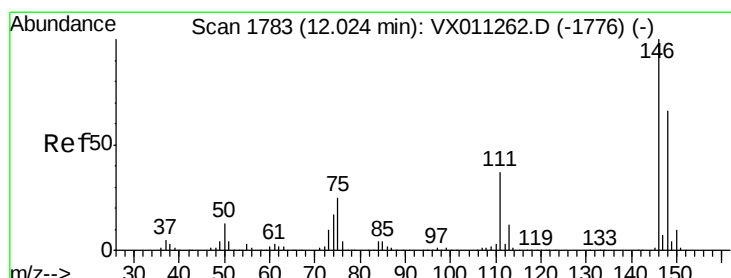
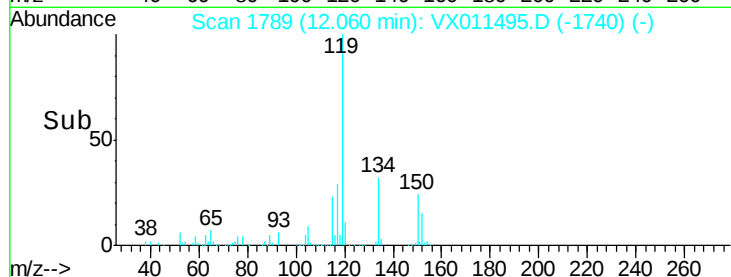
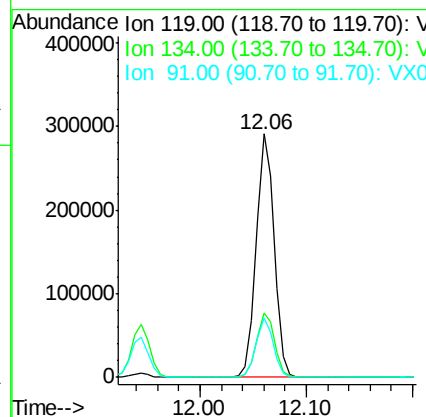
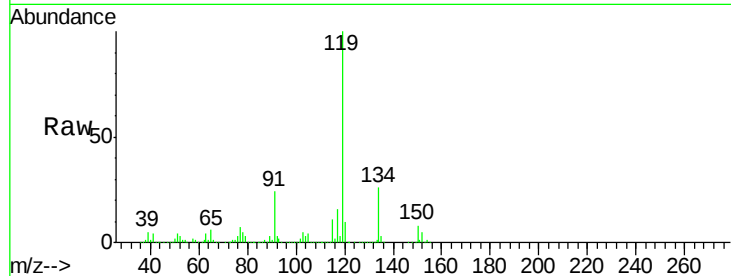
#86  
p-Isopropyltoluene  
Concen: 47.254 ug/l  
RT: 12.06 min Scan# 1789  
Delta R.T. -0.00 min  
Lab File: VX011495.D  
Acq: 12 Aug 2019 19:46

Instrument :  
MSVOA\_X  
ClientSampleId :  
Z3-0693MS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 119     | 100   | 345253 |       |       |
| 134     | 26.8  | 13.7   | 41.0  |       |
| 91      | 23.6  | 11.4   | 34.2  |       |

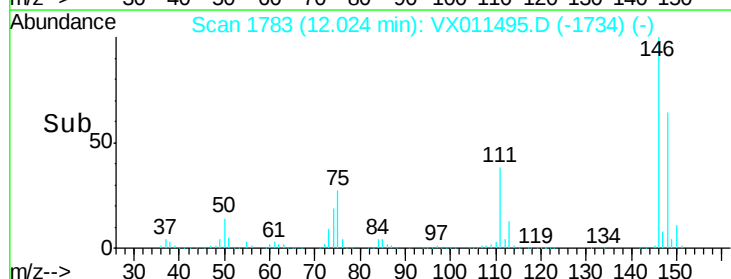
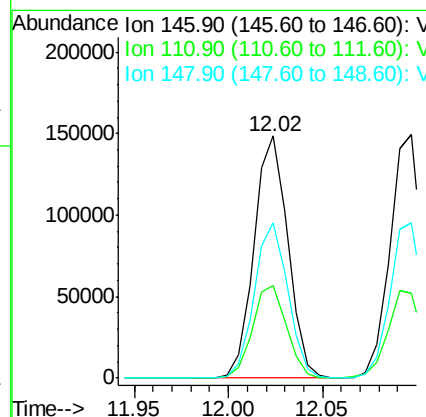
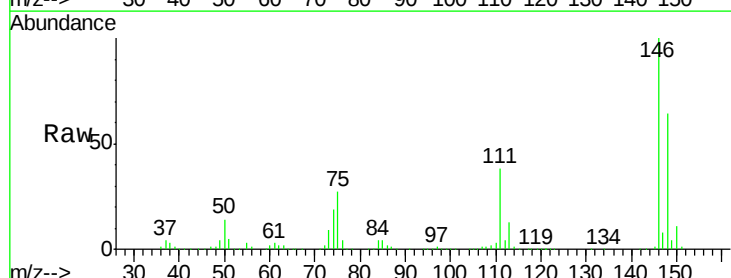
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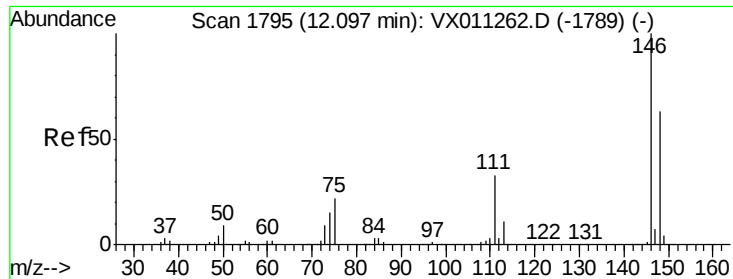
MMDadoda  
8/14/2019 9:13:57 AM



#87  
1,3-Dichlorobenzene  
Concen: 46.833 ug/l  
RT: 12.02 min Scan# 1783  
Delta R.T. -0.00 min  
Lab File: VX011495.D  
Acq: 12 Aug 2019 19:46

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 146     | 100   | 184743 |       |       |
| 111     | 38.5  | 18.6   | 55.8  |       |
| 148     | 63.5  | 32.5   | 97.5  |       |





#88

1,4-Dichlorobenzene

Concen: 45.239 ug/l

RT: 12.10 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VX011495.D

Acq: 12 Aug 2019 19:46

Instrument :

MSVOA\_X

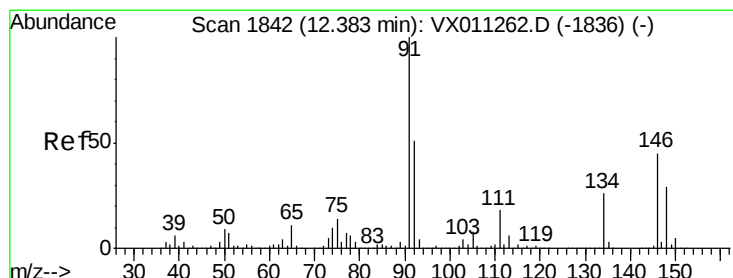
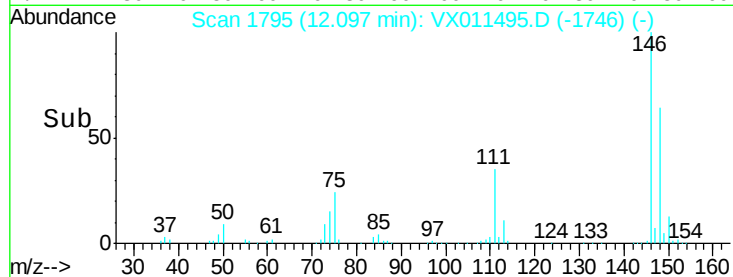
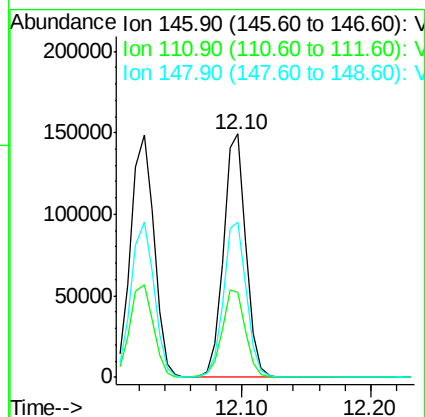
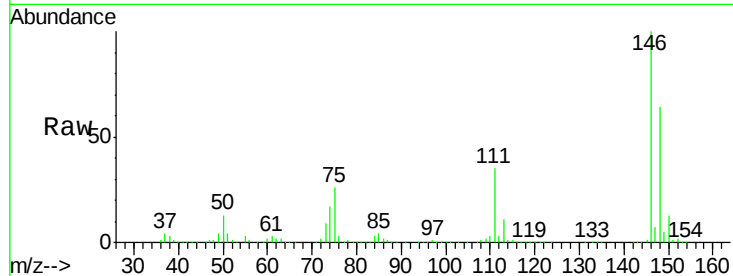
ClientSampled :

Z3-0693MS

|           |      |       |        |
|-----------|------|-------|--------|
| Tot Ion:  | 146  | Resp: | 184017 |
| Ion Ratio |      | Lower | Upper  |
| 146       | 100  |       |        |
| 111       | 37.6 | 17.8  | 53.4   |
| 148       | 65.1 | 31.8  | 95.3   |

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#89

n-Butylbenzene

Concen: 45.126 ug/l

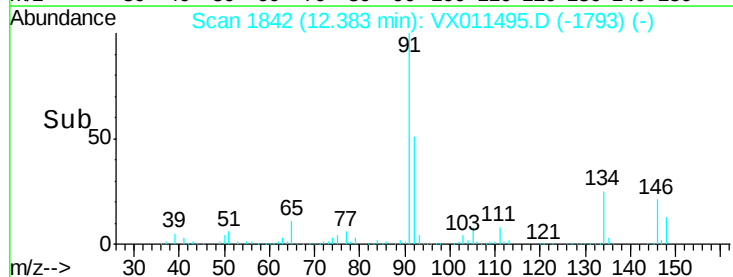
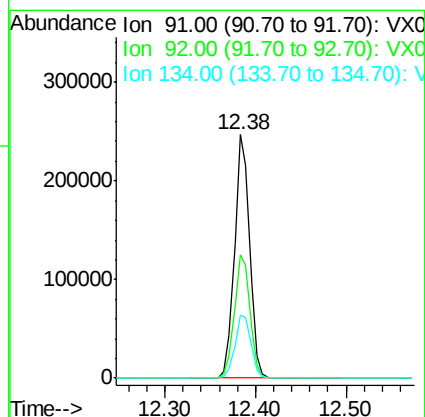
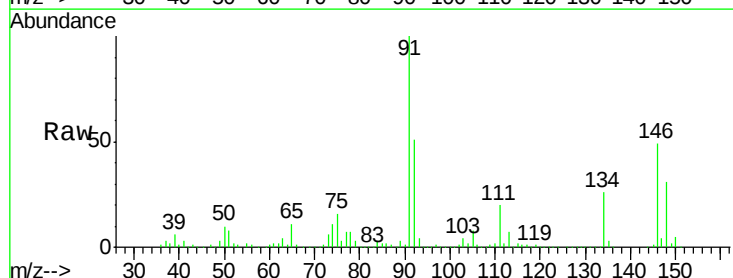
RT: 12.38 min Scan# 1842

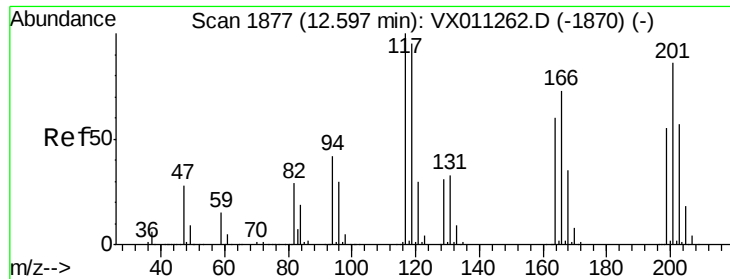
Delta R.T. -0.00 min

Lab File: VX011495.D

Acq: 12 Aug 2019 19:46

|           |      |       |        |
|-----------|------|-------|--------|
| Tgt Ion:  | 91   | Resp: | 284049 |
| Ion Ratio |      | Lower | Upper  |
| 91        | 100  |       |        |
| 92        | 52.1 | 25.8  | 77.3   |
| 134       | 27.2 | 13.7  | 41.0   |





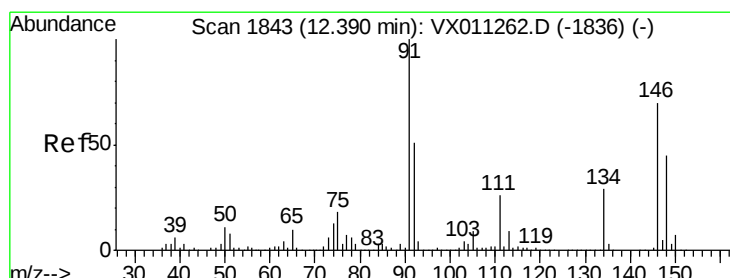
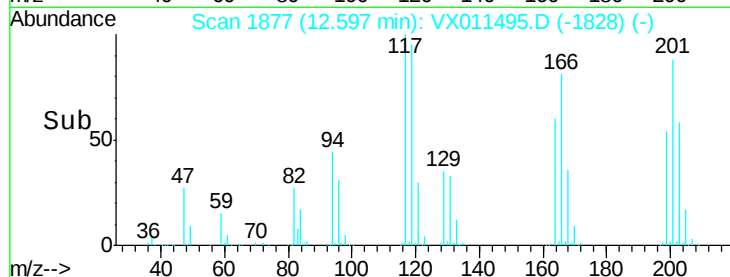
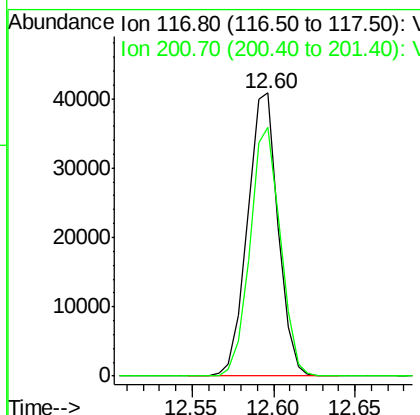
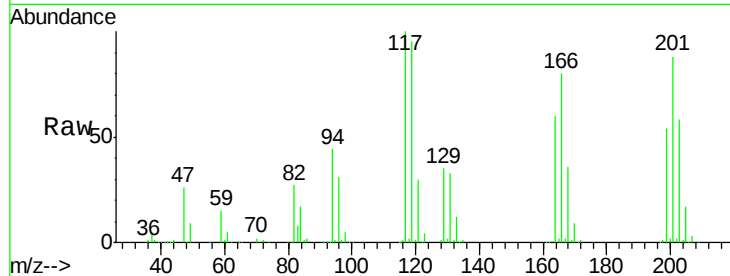
#90  
 Hexachloroethane  
 Concen: 49.573 ug/l  
 RT: 12.60 min Scan# 1877  
 Delta R.T. -0.00 min  
 Lab File: VX011495.D  
 Acq: 12 Aug 2019 19:46

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 Z3-0693MS

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 117     | 100   | 53548 |       |       |
| 166     | 86.8  | 41.8  |       |       |
| 201     |       | 125.4 |       |       |

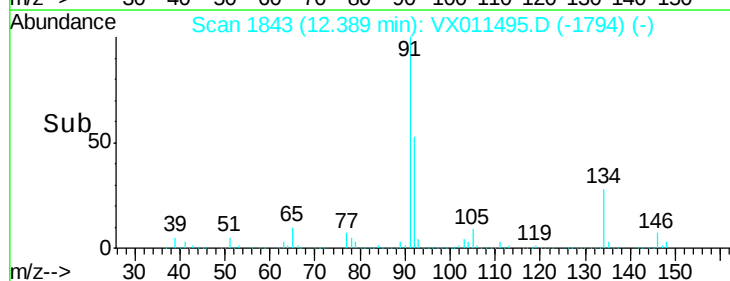
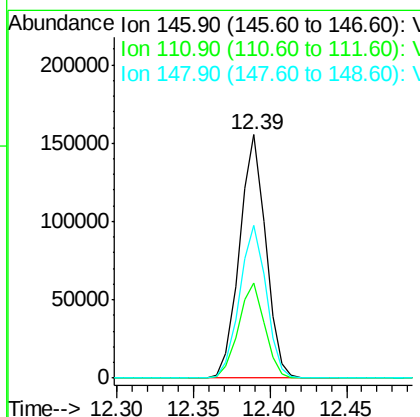
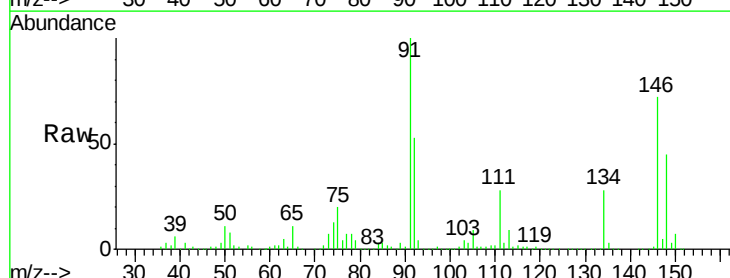
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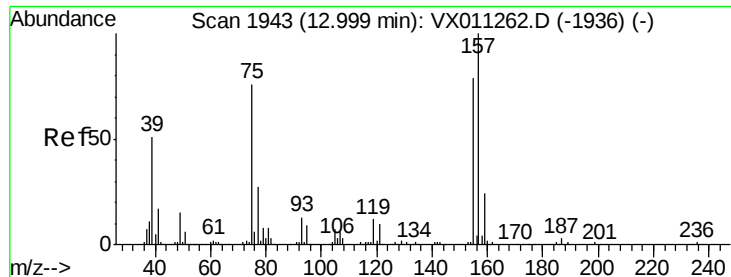
MMDadoda  
 8/14/2019 9:13:57 AM



#91  
 1,2-Dichlorobenzene  
 Concen: 46.530 ug/l  
 RT: 12.39 min Scan# 1843  
 Delta R.T. -0.00 min  
 Lab File: VX011495.D  
 Acq: 12 Aug 2019 19:46

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 146     | 100   | 184426 |       |       |
| 111     | 39.2  | 19.1   |       |       |
| 148     | 64.0  | 32.3   |       |       |





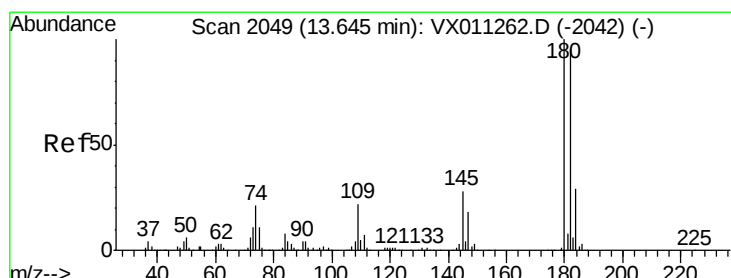
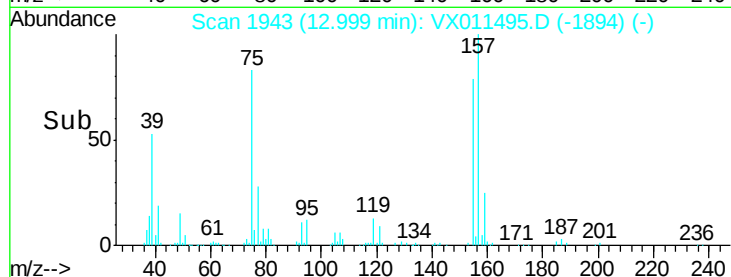
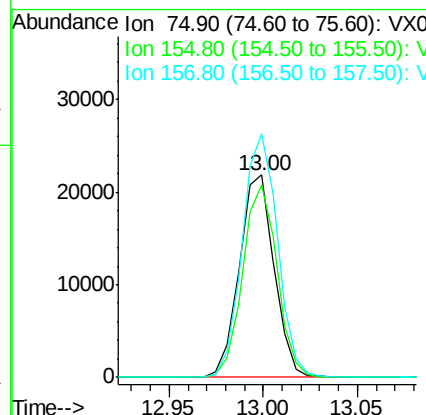
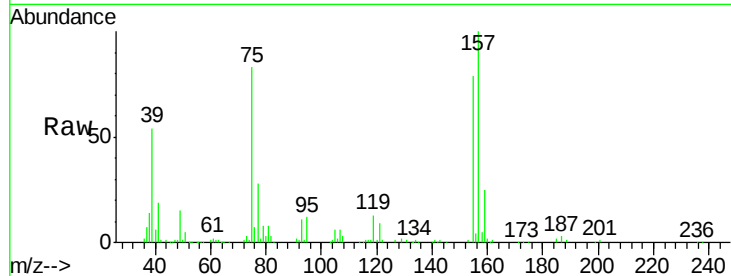
#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 53.866 ug/l  
 RT: 13.00 min Scan# 1943  
 Delta R.T. -0.00 min  
 Lab File: VX011495.D  
 Acq: 12 Aug 2019 19:46

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 Z3-0693MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 93.6  | 51.9  | 155.8 |
| 157     | 121.3 | 64.3  | 192.7 |

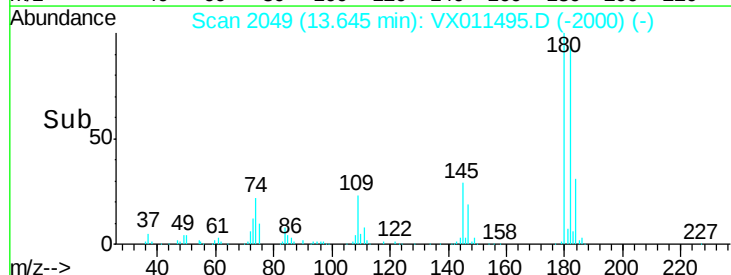
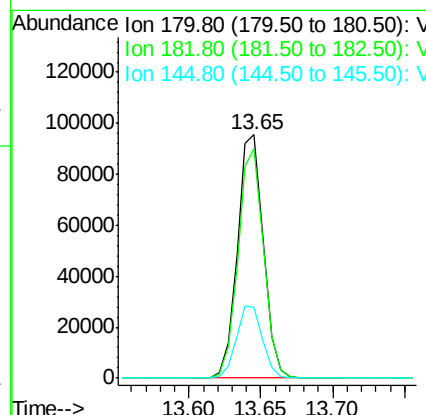
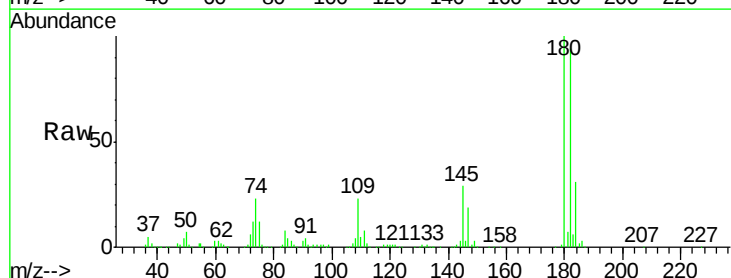
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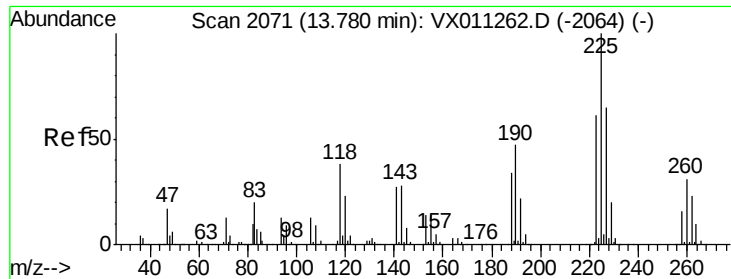
MMDadoda  
 8/14/2019 9:13:57 AM



#93  
 1,2,4-Trichlorobenzene  
 Concen: 45.799 ug/l  
 RT: 13.65 min Scan# 2049  
 Delta R.T. -0.00 min  
 Lab File: VX011495.D  
 Acq: 12 Aug 2019 19:46

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 92.9  | 47.8  | 143.4 |
| 145     | 30.0  | 14.8  | 44.3  |





#94

Hexachlorobutadiene

Concen: 42.084 ug/l

RT: 13.78 min Scan# 2071

Delta R.T. -0.00 min

Lab File: VX011495.D

Acq: 12 Aug 2019 19:46

Instrument :

MSVOA\_X

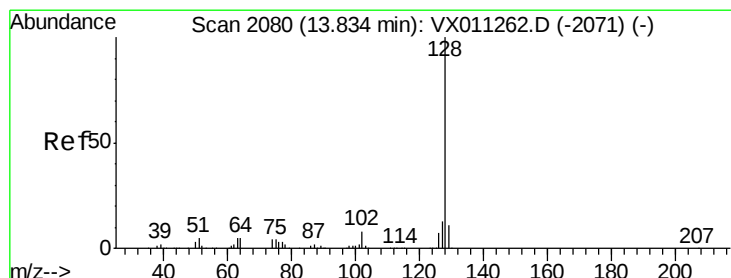
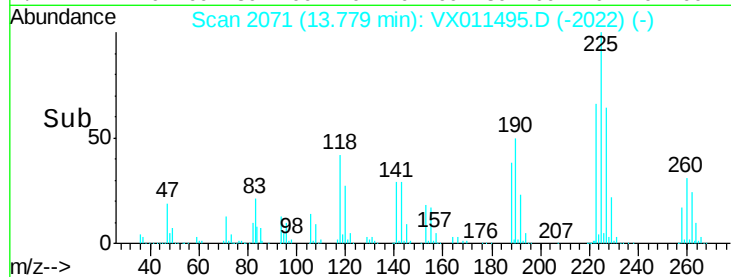
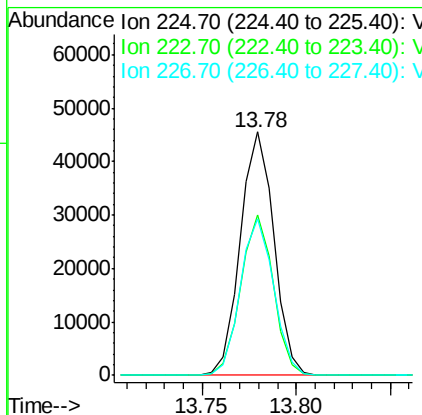
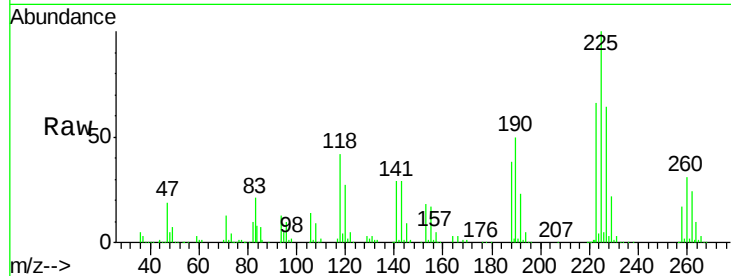
ClientSampleId :

Z3-0693MS

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 225   | Resp: | 56124 |
| Ion Ratio | Lower | Upper |       |
| 225       | 100   |       |       |
| 223       | 63.9  | 31.0  | 93.0  |
| 227       | 64.0  | 32.2  | 96.6  |

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#95

Naphthalene

Concen: 49.879 ug/l

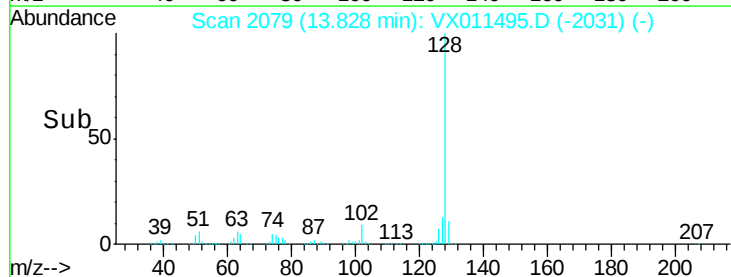
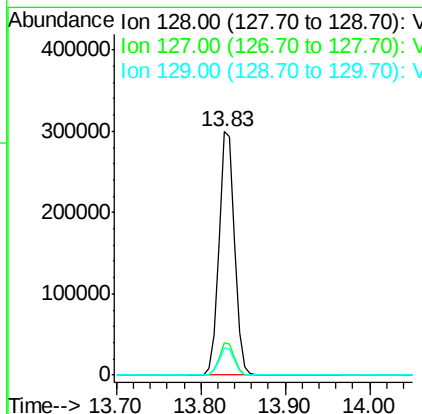
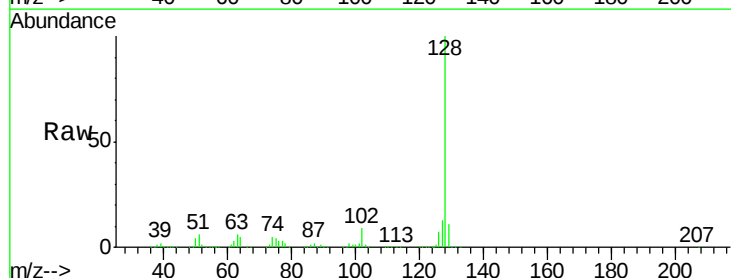
RT: 13.83 min Scan# 2079

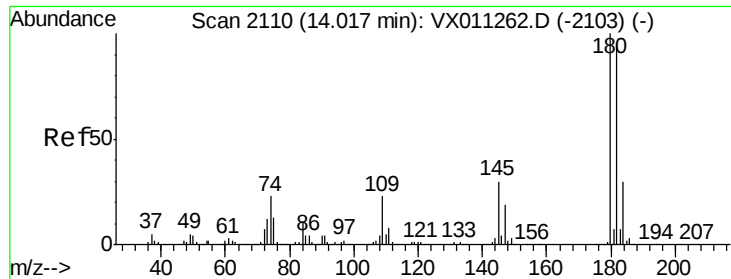
Delta R.T. -0.01 min

Lab File: VX011495.D

Acq: 12 Aug 2019 19:46

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 128   | Resp: | 383416 |
| Ion Ratio | Lower | Upper |        |
| 128       | 100   |       |        |
| 127       | 13.1  | 10.4  | 15.6   |
| 129       | 10.9  | 8.9   | 13.3   |





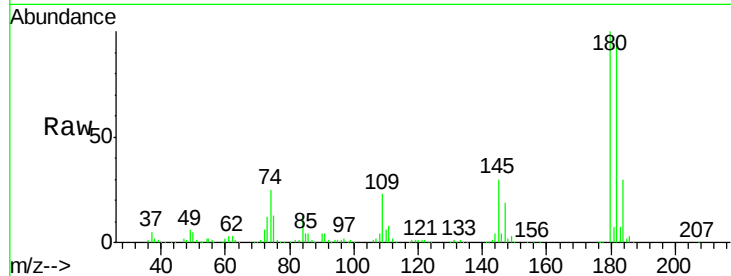
#96  
 1,2,3-Trichlorobenzene  
 Concen: 46.093 ug/l  
 RT: 14.02 min Scan# 2110  
 Delta R.T. -0.00 min  
 Lab File: VX011495.D  
 Acq: 12 Aug 2019 19:46

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 Z3-0693MS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 180   | Resp: | 123174 |
| Ion Ratio | Lower | Upper |        |
| 180       | 100   |       |        |
| 182       | 94.8  | 47.4  | 142.3  |
| 145       | 30.8  | 15.2  | 45.6   |

Manual Integrations  
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Abundance Ion 179.80 (179.50 to 180.50): V  
 Ion 181.80 (181.50 to 182.50): V  
 Ion 144.90 (144.60 to 145.60): V

