

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD090320\  
 Data File : VD066536.D  
 Acq On : 03 Sep 2020 14:35  
 Operator : VA/SY  
 Sample : VSTDIC005  
 Misc : 5.00G/5.00ml/MSVOA D/SOIL  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDIC005

Manual Integrations  
 APPROVED

MMDadoda  
 9/4/2020 4:54:49 PM

Quant Time: Sep 04 01:51:34 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D090320S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Sep 04 01:16:19 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.97  | 168  | 336677   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.86  | 114  | 574721   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.64 | 117  | 522509   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.58 | 152  | 243316   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |      |        |      |
|---------------------------|--------|-----|----------|------|--------|------|
| 33) 1,2-Dichloroethane-d4 | 8.33   | 65  | 21926    | 6.10 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =    | 12.20% |      |
| 35) Dibromofluoromethane  | 7.91   | 113 | 20926    | 6.09 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =    | 12.18% |      |
| 50) Toluene-d8            | 10.33  | 98  | 68506    | 5.34 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =    | 10.68% |      |
| 62) 4-Bromofluorobenzene  | 12.63  | 95  | 23315    | 5.10 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =    | 10.20% |      |

## Target Compounds

|                               |      |     |        |        |        | Qvalue |
|-------------------------------|------|-----|--------|--------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.99 | 85  | 18437  | 6.394  | ug/l   | 98     |
| 3) Chloromethane              | 2.20 | 50  | 24876  | 11.929 | ug/l   | 92     |
| 4) Vinyl Chloride             | 2.34 | 62  | 24818  | 9.965  | ug/l   | 98     |
| 5) Bromomethane               | 2.77 | 94  | 20317  | 10.371 | ug/l   | 98     |
| 6) Chloroethane               | 2.93 | 64  | 16100  | 9.762  | ug/l   | 92     |
| 7) Trichlorofluoromethane     | 3.27 | 101 | 38572  | 5.999  | ug/l   | 98     |
| 8) Diethyl Ether              | 3.71 | 74  | 9201   | 7.136  | ug/l   | 98     |
| 9) 1,1,2-Trichlorotrifluoroet | 4.10 | 101 | 21306  | 7.543  | ug/l   | 98     |
| 10) Methyl Iodide             | 4.30 | 142 | 11432  | 3.857  | ug/l   | 97     |
| 11) Tert butyl alcohol        | 5.18 | 59  | 17938m | 67.841 | ug/l   |        |
| 12) 1,1-Dichloroethene        | 4.07 | 96  | 18060  | 6.903  | ug/l # | 79     |
| 13) Acrolein                  | 3.93 | 56  | 4539   | 37.237 | ug/l   | 97     |
| 14) Allyl chloride            | 4.71 | 41  | 27414  | 8.534  | ug/l # | 89     |
| 15) Acrylonitrile             | 5.43 | 53  | 18151  | 37.686 | ug/l   | 91     |
| 16) Acetone                   | 4.16 | 43  | 20042  | 35.694 | ug/l   | 97     |
| 17) Carbon Disulfide          | 4.40 | 76  | 57716  | 7.399  | ug/l   | 98     |
| 18) Methyl Acetate            | 4.72 | 43  | 10649  | 10.764 | ug/l   | 96     |
| 19) Methyl tert-butyl Ether   | 5.48 | 73  | 36603  | 5.432  | ug/l   | 99     |
| 20) Methylene Chloride        | 4.96 | 84  | 40896  | 12.246 | ug/l   | 90     |
| 21) trans-1,2-Dichloroethene  | 5.47 | 96  | 20259  | 6.661  | ug/l # | 89     |
| 22) Diisopropyl ether         | 6.37 | 45  | 49556  | 7.557  | ug/l # | 95     |
| 23) Vinyl Acetate             | 6.30 | 43  | 136829 | 33.345 | ug/l   | 99     |
| 24) 1,1-Dichloroethane        | 6.27 | 63  | 36592  | 7.583  | ug/l   | 96     |
| 25) 2-Butanone                | 7.21 | 43  | 25616  | 41.284 | ug/l   | 97     |
| 26) 2,2-Dichloropropane       | 7.20 | 77  | 36821  | 6.482  | ug/l   | 97     |
| 27) cis-1,2-Dichloroethene    | 7.20 | 96  | 22414  | 6.823  | ug/l   | 94     |
| 28) Bromochloromethane        | 7.54 | 49  | 14318  | 9.494  | ug/l   | 100    |
| 29) Tetrahydrofuran           | 7.56 | 42  | 14706  | 43.490 | ug/l # | 82     |
| 30) Chloroform                | 7.71 | 83  | 39019  | 6.582  | ug/l   | 97     |
| 31) Cyclohexane               | 7.98 | 56  | 38946  | 9.095  | ug/l # | 73     |
| 32) 1,1,1-Trichloroethane     | 7.90 | 97  | 39147  | 6.148  | ug/l   | 92     |
| 36) 1,1-Dichloropropene       | 8.11 | 75  | 29053  | 5.639  | ug/l   | 97     |
| 37) Ethyl Acetate             | 7.29 | 43  | 11064  | 6.680  | ug/l # | 96     |
| 38) Carbon Tetrachloride      | 8.10 | 117 | 29447  | 3.997  | ug/l   | 87     |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD090320\  
 Data File : VD066536.D  
 Acq On : 03 Sep 2020 14:35  
 Operator : VA/SY  
 Sample : VSTDIC005  
 Misc : 5.00G/5.00ml/MSVOA D/SOIL  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleID :  
 VSTDIC005

Manual Integrations  
 APPROVED

MMDadoda  
 9/4/2020 4:54:49 PM

Quant Time: Sep 04 01:51:34 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D090320S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Sep 04 01:16:19 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| 39) Methylcyclohexane          | 9.35  | 83   | 28783    | 4.762  | ug/l   | 89       |
| 40) Benzene                    | 8.34  | 78   | 80218    | 5.982  | ug/l   | 98       |
| 41) Methacrylonitrile          | 7.51  | 41   | 5626     | 6.386  | ug/l # | 81       |
| 42) 1,2-Dichloroethane         | 8.41  | 62   | 27648    | 5.114  | ug/l   | 95       |
| 43) Isopropyl Acetate          | 8.44  | 43   | 21482    | 6.359  | ug/l # | 59       |
| 44) Trichloroethene            | 9.11  | 130  | 21853    | 4.956  | ug/l   | 99       |
| 45) 1,2-Dichloropropane        | 9.38  | 63   | 19973    | 7.118  | ug/l   | 94       |
| 46) Dibromomethane             | 9.47  | 93   | 10916    | 5.665  | ug/l   | 97       |
| 47) Bromodichloromethane       | 9.66  | 83   | 30329    | 5.377  | ug/l   | 94       |
| 48) Methyl methacrylate        | 9.45  | 41   | 10905    | 6.326  | ug/l   | 96       |
| 49) 1,4-Dioxane                | 9.46  | 88   | 2229     | 99.956 | ug/l # | 89       |
| 51) 4-Methyl-2-Pentanone       | 10.23 | 43   | 51704    | 32.630 | ug/l   | 92       |
| 52) Toluene                    | 10.40 | 92   | 48334    | 5.167  | ug/l   | 97       |
| 53) t-1,3-Dichloropropene      | 10.61 | 75   | 24919    | 4.866  | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene    | 10.08 | 75   | 29949    | 5.418  | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane      | 10.79 | 97   | 14234    | 5.835  | ug/l # | 85       |
| 56) Ethyl methacrylate         | 10.66 | 69   | 13900    | 4.776  | ug/l   | 94       |
| 57) 1,3-Dichloropropane        | 10.94 | 76   | 24058    | 5.876  | ug/l   | 97       |
| 58) 2-Chloroethyl Vinyl ether  | 9.94  | 63   | 34808    | 29.699 | ug/l   | 100      |
| 59) 2-Hexanone                 | 10.98 | 43   | 32831    | 28.881 | ug/l   | 97       |
| 60) Dibromochloromethane       | 11.14 | 129  | 18784    | 4.832  | ug/l   | 96       |
| 61) 1,2-Dibromoethane          | 11.24 | 107  | 14210    | 5.706  | ug/l   | 96       |
| 64) Tetrachloroethene          | 10.87 | 164  | 17909    | 4.528  | ug/l   | 90       |
| 65) Chlorobenzene              | 11.67 | 112  | 53442    | 5.206  | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.74 | 131  | 20626    | 4.824  | ug/l   | 100      |
| 67) Ethyl Benzene              | 11.74 | 91   | 90097    | 4.930  | ug/l # | 85       |
| 68) m/p-Xylenes                | 11.86 | 106  | 60949    | 8.634  | ug/l   | 93       |
| 69) o-Xylene                   | 12.18 | 106  | 27351    | 4.116  | ug/l   | 100      |
| 70) Styrene                    | 12.20 | 104  | 47038    | 4.132  | ug/l   | 96       |
| 71) Bromoform                  | 12.36 | 173  | 9966     | 4.330  | ug/l # | 98       |
| 73) Isopropylbenzene           | 12.48 | 105  | 76621    | 4.631  | ug/l   | 99       |
| 74) N-amyl acetate             | 12.29 | 43   | 17635    | 6.474  | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.73 | 83   | 16141    | 7.580  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane     | 12.78 | 75   | 12539m   | 7.429  | ug/l   |          |
| 77) Bromobenzene               | 12.76 | 156  | 19205    | 4.689  | ug/l   | 99       |
| 78) n-propylbenzene            | 12.82 | 91   | 91781    | 4.972  | ug/l   | 100      |
| 79) 2-Chlorotoluene            | 12.91 | 91   | 52804    | 5.000  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene     | 12.96 | 105  | 61626    | 4.295  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-buten | 12.53 | 75   | 4516     | 6.186  | ug/l   | 95       |
| 82) 4-Chlorotoluene            | 13.00 | 91   | 59510    | 5.248  | ug/l   | 95       |
| 83) tert-Butylbenzene          | 13.23 | 119  | 50718    | 4.090  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene     | 13.27 | 105  | 59333    | 4.156  | ug/l   | 99       |
| 85) sec-Butylbenzene           | 13.40 | 105  | 77045    | 4.776  | ug/l   | 99       |
| 86) p-Isopropyltoluene         | 13.52 | 119  | 64284    | 4.057  | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene        | 13.52 | 146  | 38175    | 4.973  | ug/l   | 97       |
| 88) 1,4-Dichlorobenzene        | 13.60 | 146  | 40242    | 5.206  | ug/l   | 95       |
| 89) n-Butylbenzene             | 13.85 | 91   | 68057    | 5.004  | ug/l   | 96       |
| 90) Hexachloroethane           | 14.11 | 117  | 16972    | 5.798  | ug/l   | 94       |
| 91) 1,2-Dichlorobenzene        | 13.90 | 146  | 34974    | 5.251  | ug/l   | 93       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.51 | 75   | 2937     | 5.777  | ug/l   | 97       |

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD090320\  
Data File : VD066536.D  
Acq On : 03 Sep 2020 14:35  
Operator : VA/SY  
Sample : VSTDICC005  
Misc : 5.00G/5.00ml/MSVOA D/SOIL  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDICC005

Manual Integrations  
APPROVED

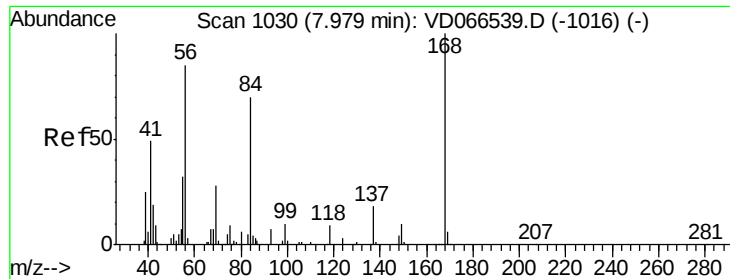
MMDadoda  
9/4/2020 4:54:49 PM

Quant Time: Sep 04 01:51:34 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_D\METHOD\82D090320S.M  
Quant Title : SW846 8260  
QLast Update : Fri Sep 04 01:16:19 2020  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 15.17 | 180  | 19024    | 3.766 | ug/l  | 94       |
| 94) Hexachlorobutadiene    | 15.27 | 225  | 12410    | 3.828 | ug/l  | 99       |
| 95) Naphthalene            | 15.41 | 128  | 28135    | 3.492 | ug/l  | 97       |
| 96) 1,2,3-Trichlorobenzene | 15.60 | 180  | 15441    | 3.527 | ug/l  | 95       |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VD066536.D

Acq: 03 Sep 2020 14:35

Instrument :

MSVOA\_D

ClientSampleId :

VSTDIC005

Tot Ion:168 Resp: 336677

Ion Ratio Lower Upper

168 100

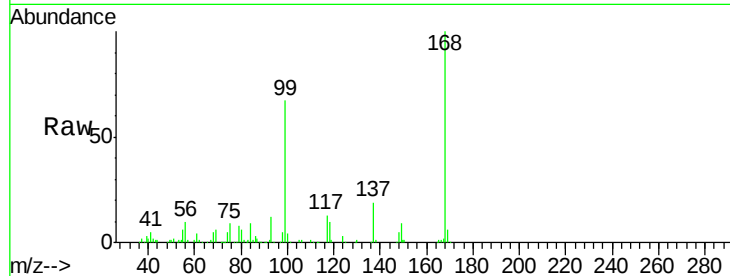
99 66.6 50.5 75.7

Manual Integrations

APPROVED

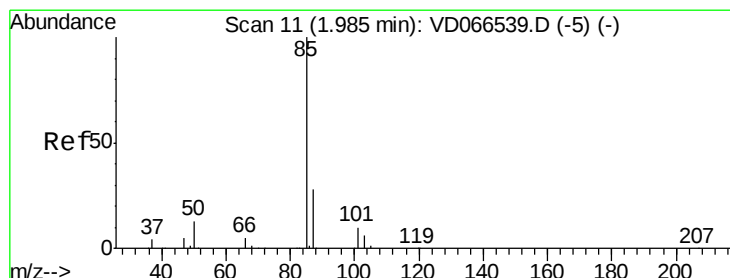
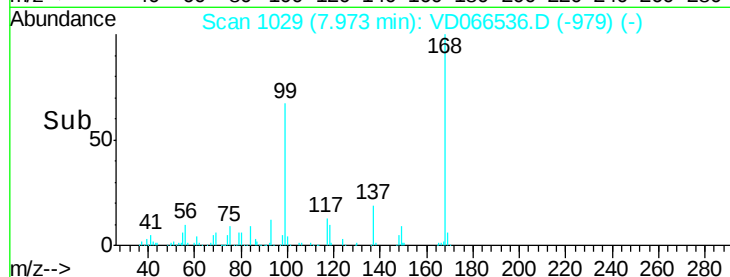
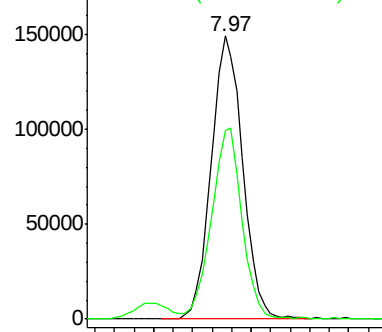
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 6.394 ug/l

RT: 1.99 min Scan# 11

Delta R.T. -0.00 min

Lab File: VD066536.D

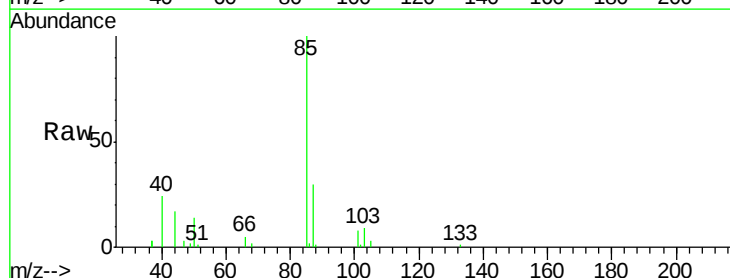
Acq: 03 Sep 2020 14:35

Tgt Ion: 85 Resp: 18437

Ion Ratio Lower Upper

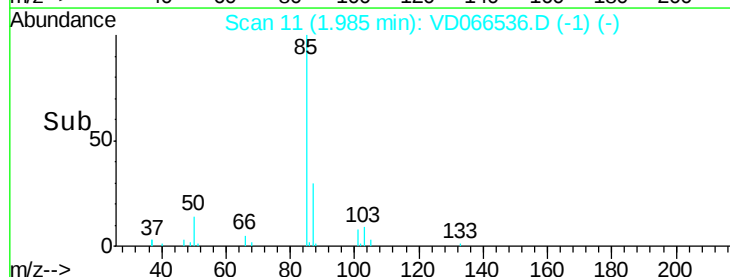
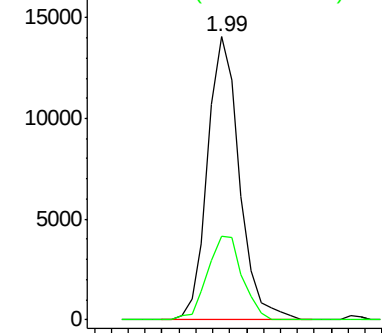
85 100

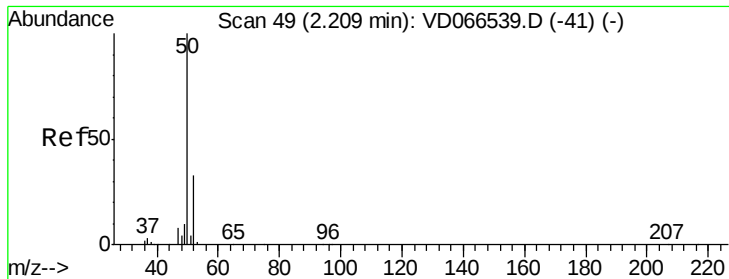
87 29.7 14.2 42.6



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 11.929 ug/l

RT: 2.20 min Scan# 48

Delta R.T. -0.01 min

Lab File: VD066536.D

Acq: 03 Sep 2020 14:35

Instrument :

MSVOA\_D

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 24876

Ion Ratio Lower Upper

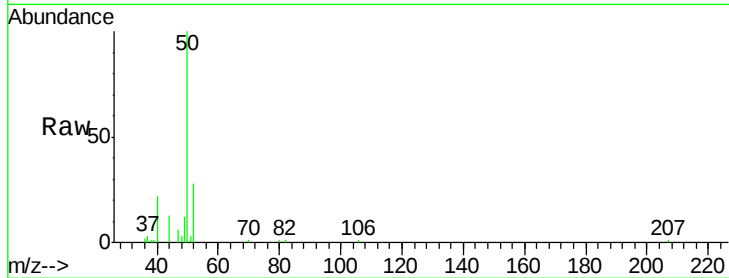
50 100

52 28.4 26.2 39.2

Manual Integrations  
APPROVED

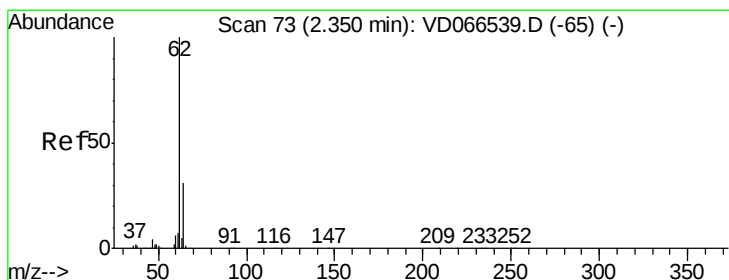
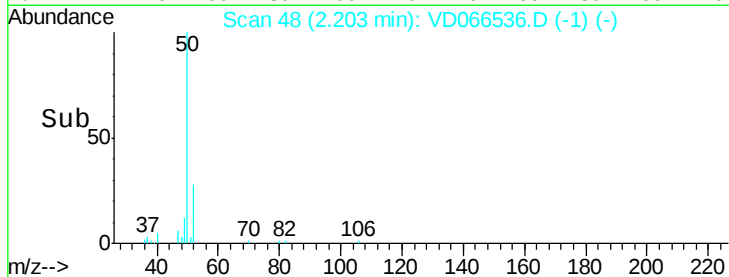
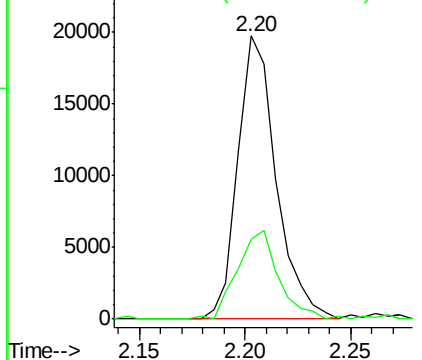
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 9.965 ug/l

RT: 2.34 min Scan# 72

Delta R.T. -0.01 min

Lab File: VD066536.D

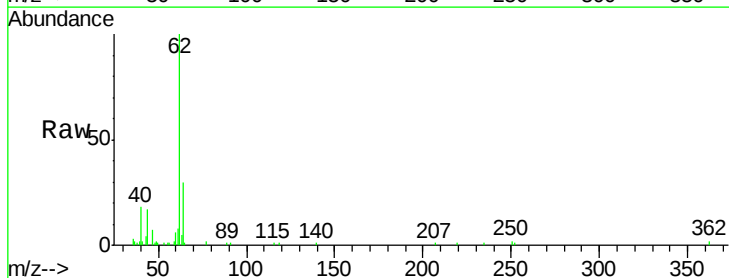
Acq: 03 Sep 2020 14:35

Tgt Ion: 62 Resp: 24818

Ion Ratio Lower Upper

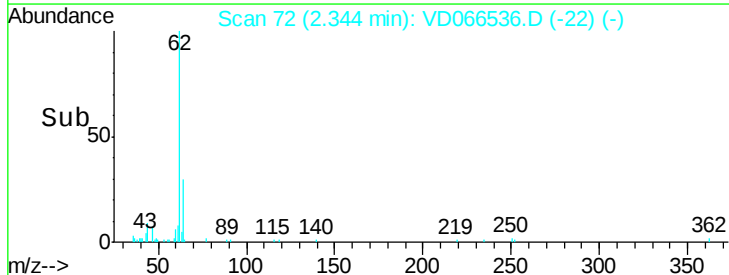
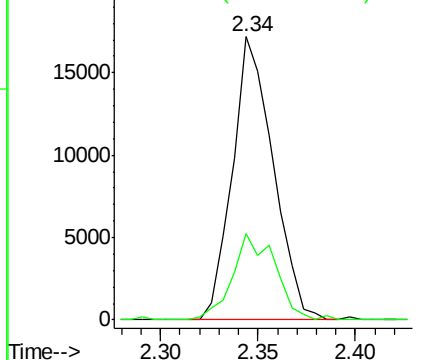
62 100

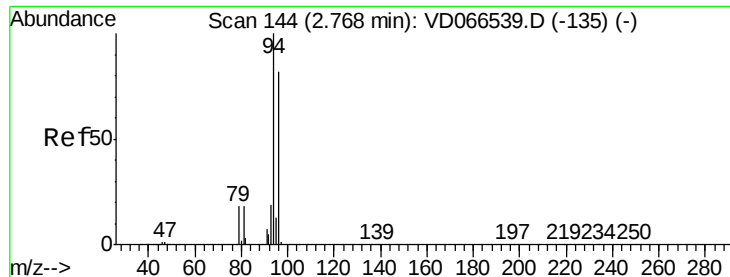
64 30.5 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 10.371 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.00 min

Lab File: VD066536.D

Acq: 03 Sep 2020 14:35

Instrument :

MSVOA\_D

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 20317

Ion Ratio Lower Upper

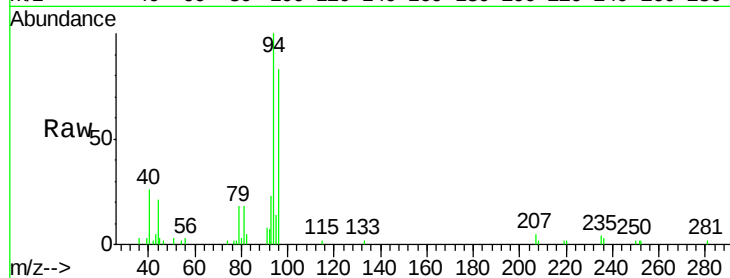
94 100

96 83.3 65.2 97.8

Manual Integrations  
APPROVED

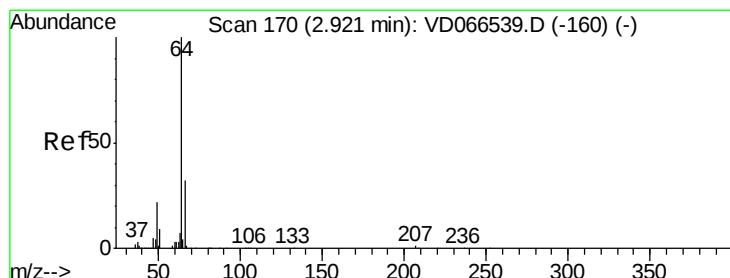
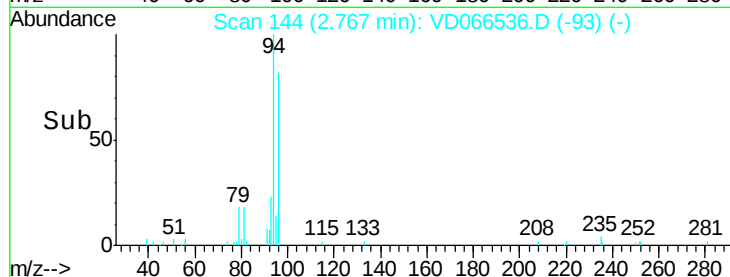
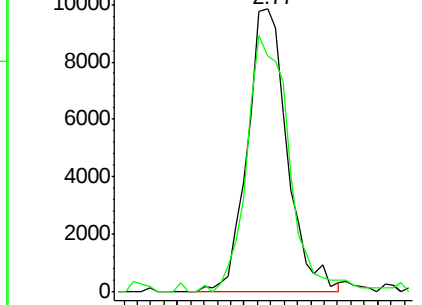
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 9.762 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.01 min

Lab File: VD066536.D

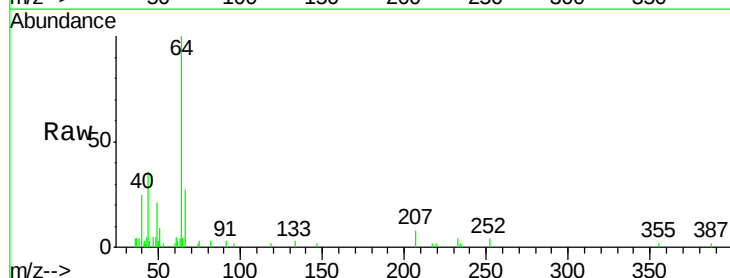
Acq: 03 Sep 2020 14:35

Tgt Ion: 64 Resp: 16100

Ion Ratio Lower Upper

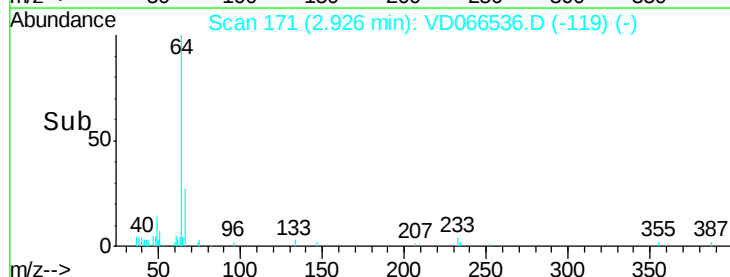
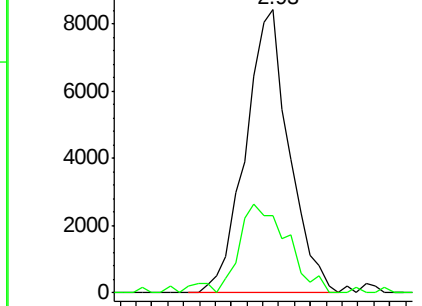
64 100

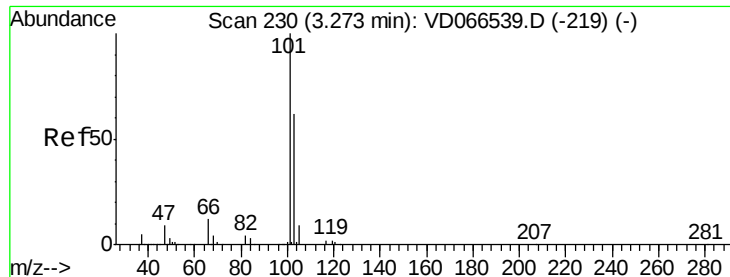
66 27.1 25.4 38.0



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

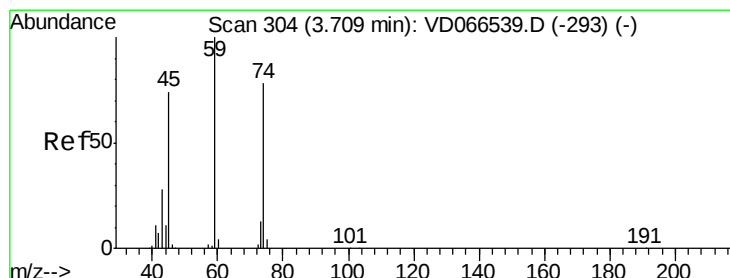
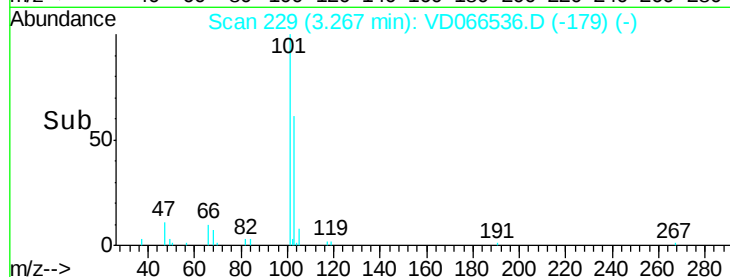
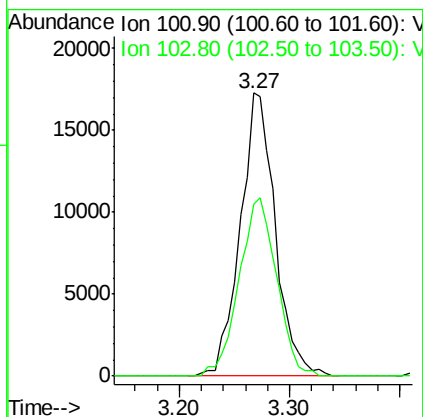
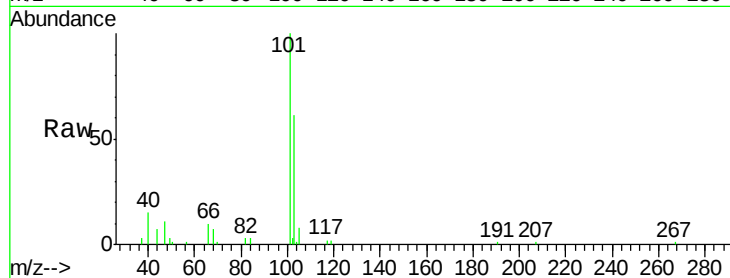
Trichlorofluoromethane  
Concen: 5.999 ug/l  
RT: 3.27 min Scan# 229  
Delta R.T. -0.01 min  
Lab File: VD066536.D  
Acq: 03 Sep 2020 14:35

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC005

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 60.6  | 49.7  | 74.5  |

Manual Integrations  
APPROVED

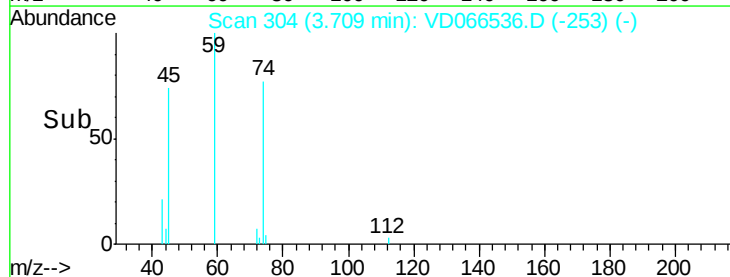
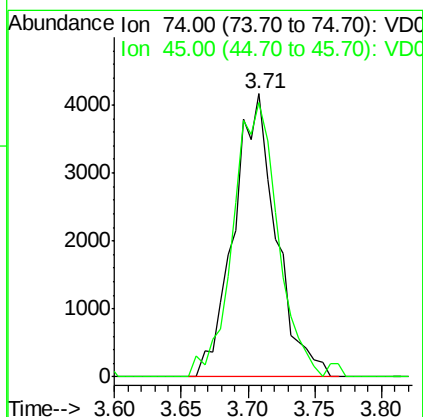
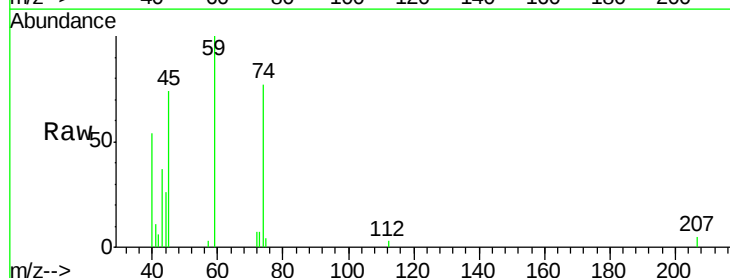
MMDadoda  
9/4/2020 4:54:49 PM

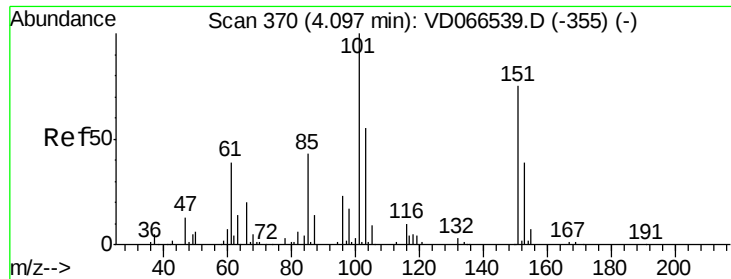


#8

Diethyl Ether  
Concen: 7.136 ug/l  
RT: 3.71 min Scan# 304  
Delta R.T. -0.00 min  
Lab File: VD066536.D  
Acq: 03 Sep 2020 14:35

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 101.7 | 49.7  | 149.1 |





#9

1,1,2-Trichlorotrifluoroethane

Concen: 7.543 ug/l

RT: 4.10 min Scan# 370

Delta R.T. -0.00 min

Lab File: VD066536.D

Acq: 03 Sep 2020 14:35

Instrument :

MSVOA\_D

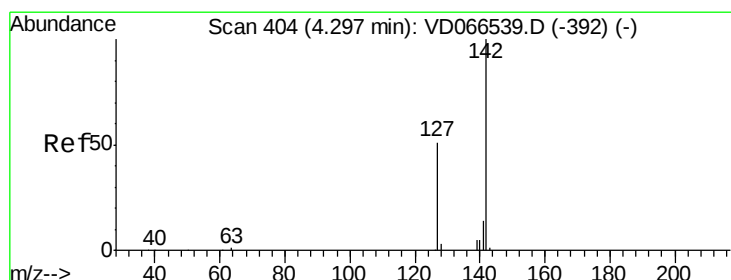
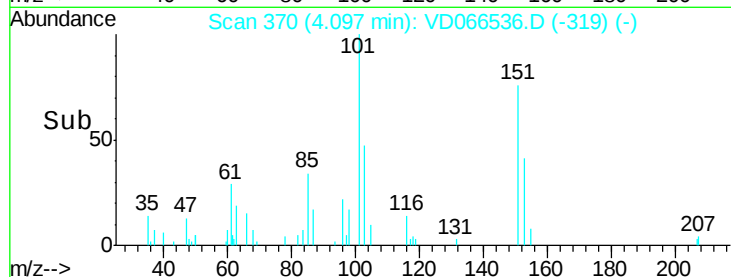
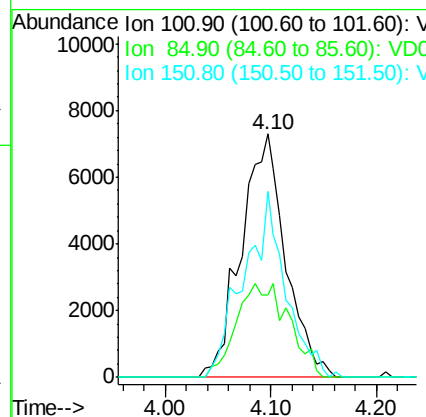
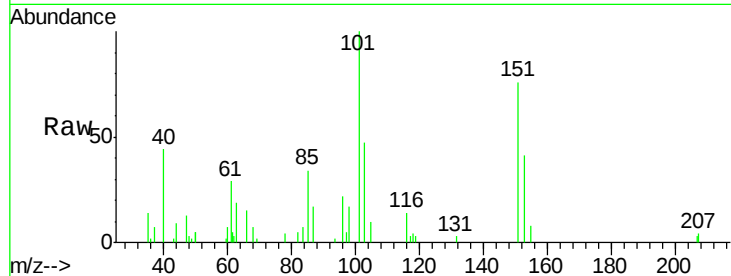
ClientSampleId :

VSTDIC005

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 101   | Resp: | 21306 |
| Ion Ratio | Lower | Upper |       |
| 101       | 100   |       |       |
| 85        | 45.5  | 37.0  | 55.6  |
| 151       | 71.9  | 59.4  | 89.2  |

Manual Integrations  
APPROVED

MMDadoda  
9/4/2020 4:54:49 PM



#10

Methyl Iodide

Concen: 3.857 ug/l

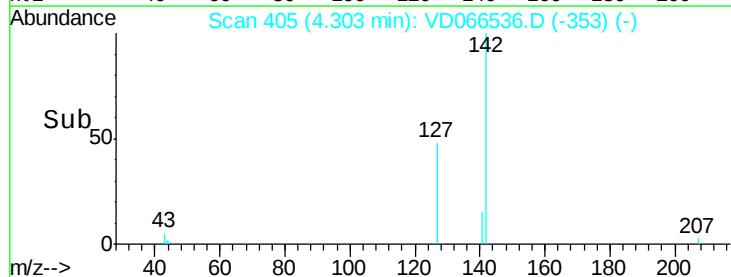
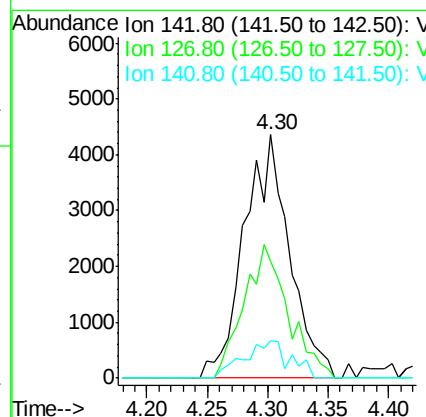
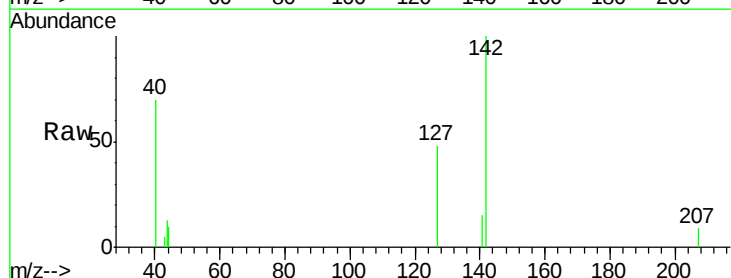
RT: 4.30 min Scan# 405

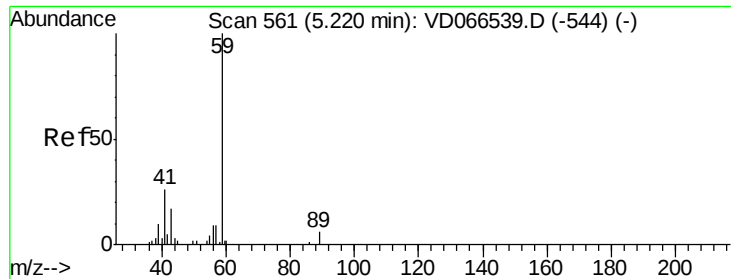
Delta R.T. 0.01 min

Lab File: VD066536.D

Acq: 03 Sep 2020 14:35

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 142   | Resp: | 11432 |
| Ion Ratio | Lower | Upper |       |
| 142       | 100   |       |       |
| 127       | 53.3  | 40.6  | 61.0  |
| 141       | 15.4  | 12.2  | 18.4  |





#11

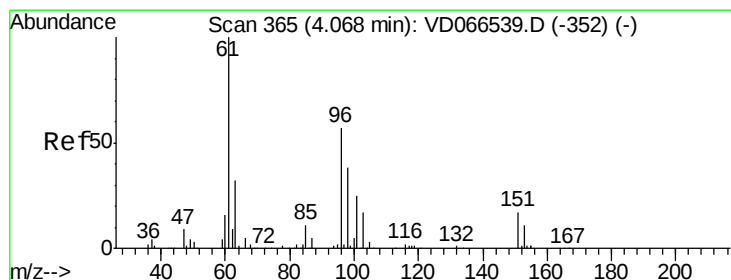
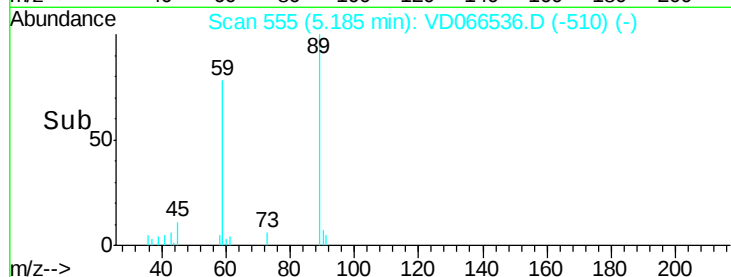
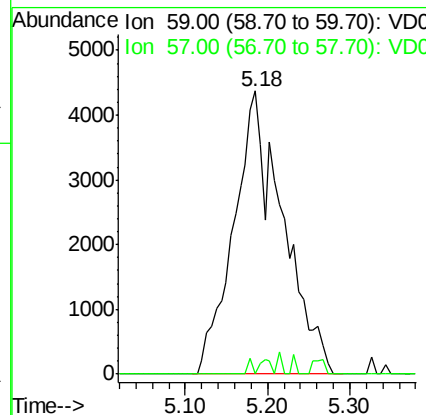
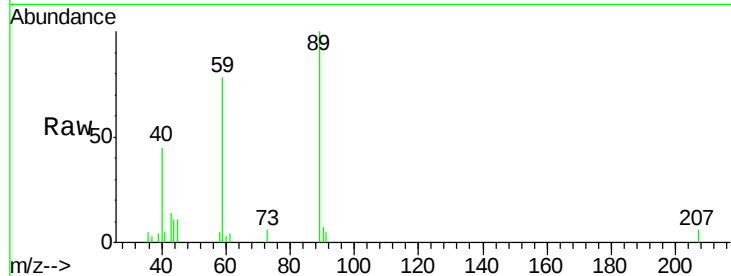
Tert butyl alcohol  
 Concen: 67.841 ug/l m  
 RT: 5.18 min Scan# 555  
 Delta R.T. -0.04 min  
 Lab File: VD066536.D  
 Acq: 03 Sep 2020 14:35

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDIC005

| Tot Ion   | 59  | Resp  | 17938 |
|-----------|-----|-------|-------|
| Ion Ratio | 100 | Lower | Upper |
| 57        | 1.2 | 7.6   | 11.4# |

Manual Integrations  
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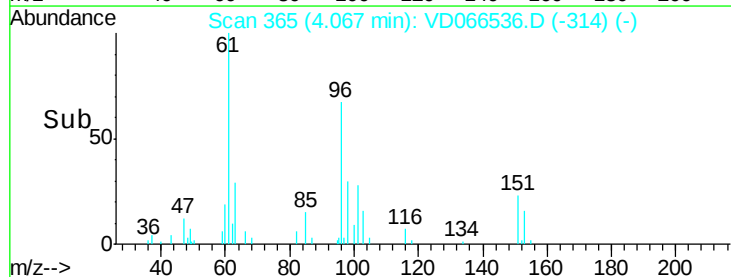
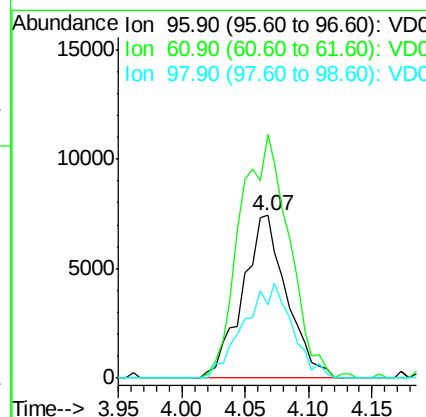
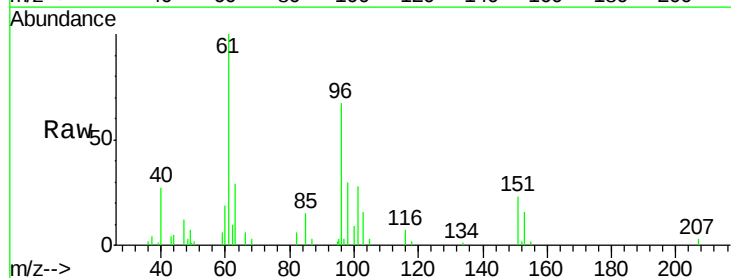
MMDadoda  
 9/4/2020 4:54:49 PM

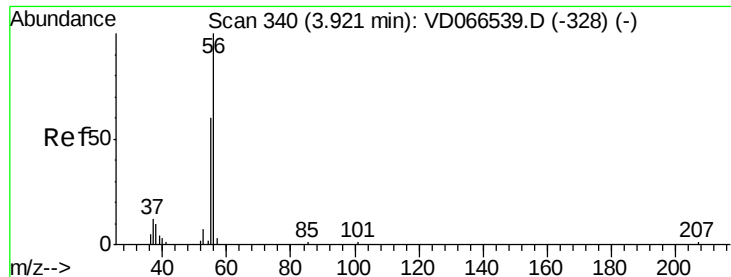


#12

1,1-Dichloroethene  
 Concen: 6.903 ug/l  
 RT: 4.07 min Scan# 365  
 Delta R.T. -0.00 min  
 Lab File: VD066536.D  
 Acq: 03 Sep 2020 14:35

| Tgt Ion   | 96    | Resp  | 18060 |
|-----------|-------|-------|-------|
| Ion Ratio | 100   | Lower | Upper |
| 61        | 150.0 | 140.9 | 211.3 |
| 98        | 45.1  | 53.2  | 79.8# |





#13

Acrolein

Concen: 37.237 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.01 min

Lab File: VD066536.D

Acq: 03 Sep 2020 14:35

Instrument :

MSVOA\_D

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 4539

Ion Ratio Lower Upper

56 100

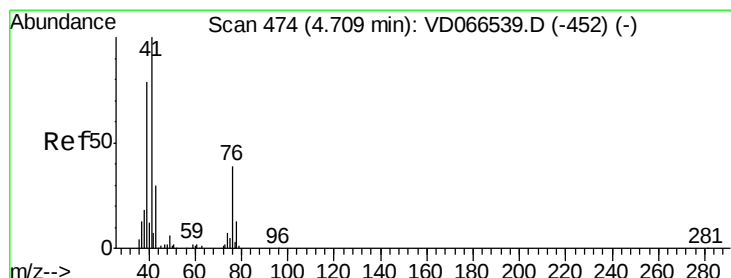
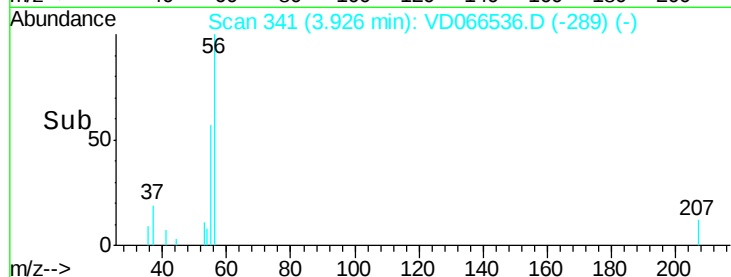
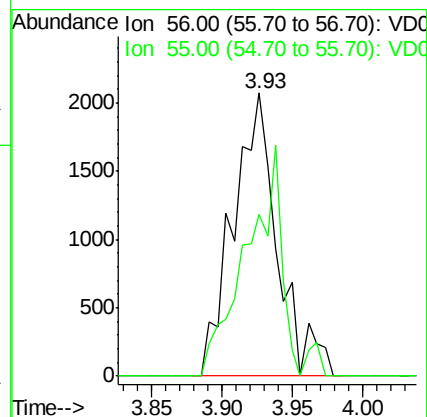
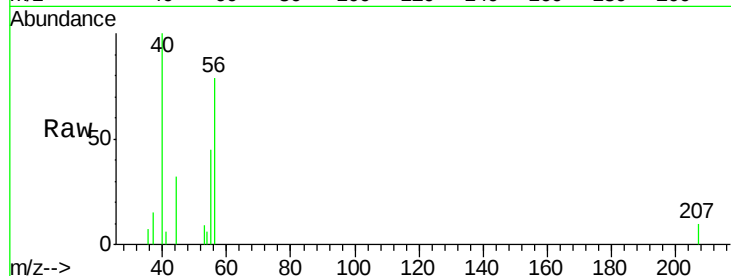
55 64.7 53.6 80.4

Manual Integrations

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MMDadoda

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#14

Allyl chloride

Concen: 8.534 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.00 min

Lab File: VD066536.D

Acq: 03 Sep 2020 14:35

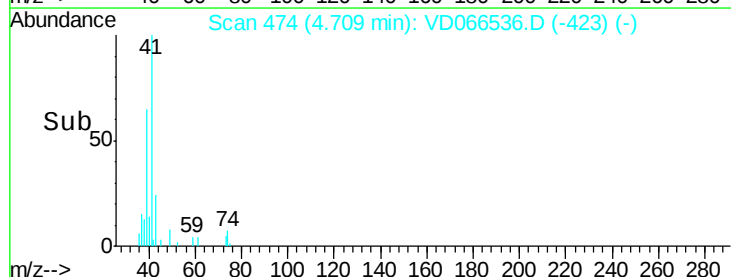
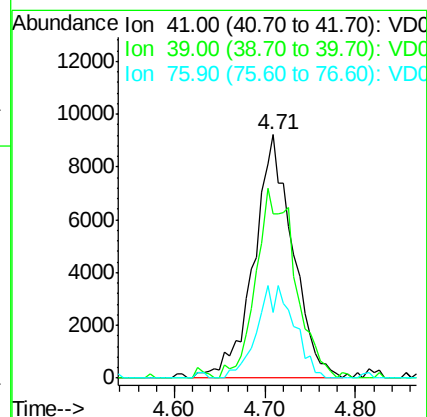
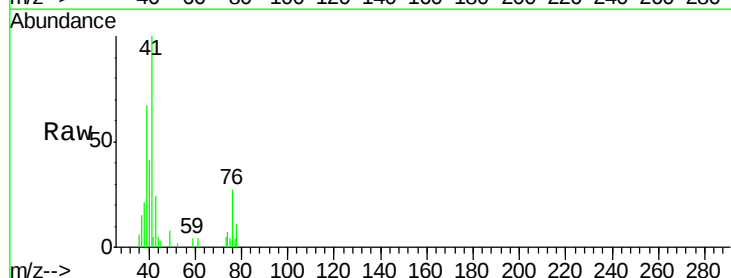
Tgt Ion: 41 Resp: 27414

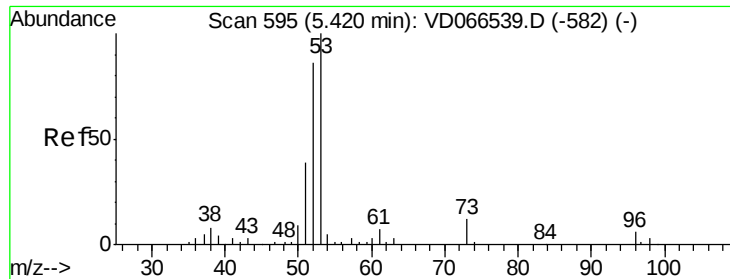
Ion Ratio Lower Upper

41 100

39 78.4 61.9 92.9

76 17.1 29.0 43.6#





#15

Acrylonitrile

Concen: 37.686 ug/l

RT: 5.43 min Scan# 596

Delta R.T. 0.01 min

Lab File: VD066536.D

Acq: 03 Sep 2020 14:35

Instrument :

MSVOA\_D

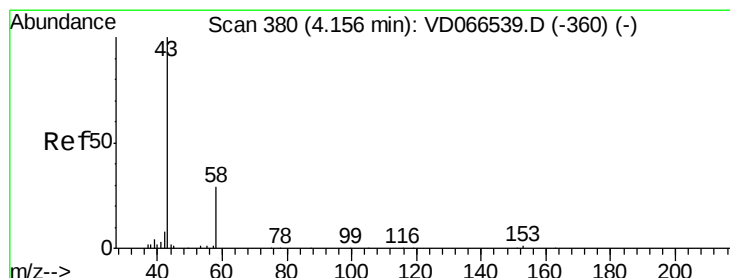
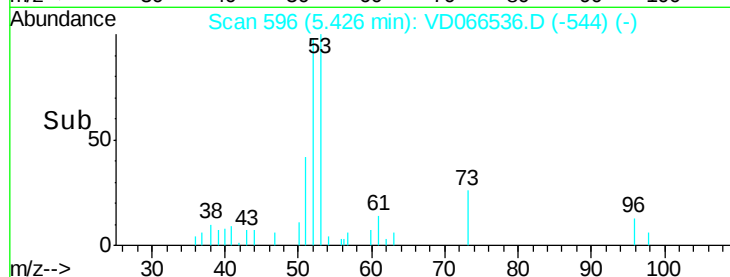
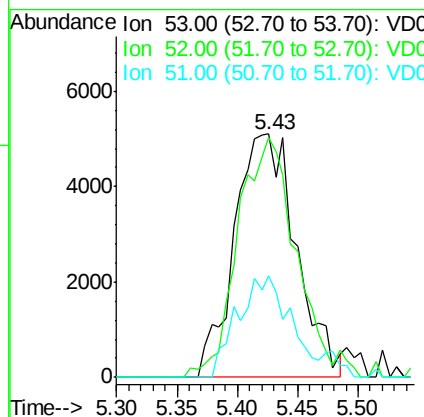
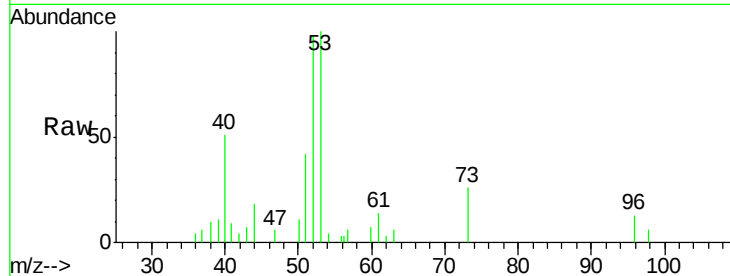
ClientSampleId :

VSTDIC005

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 53    | Resp: | 18151 |
| Ion      | Ratio | Lower | Upper |
| 53       | 100   |       |       |
| 52       | 90.8  | 65.4  | 98.2  |
| 51       | 35.4  | 31.2  | 46.8  |

Manual Integrations  
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9/4/2020 4:54:49 PM



#16

Acetone

Concen: 35.694 ug/l

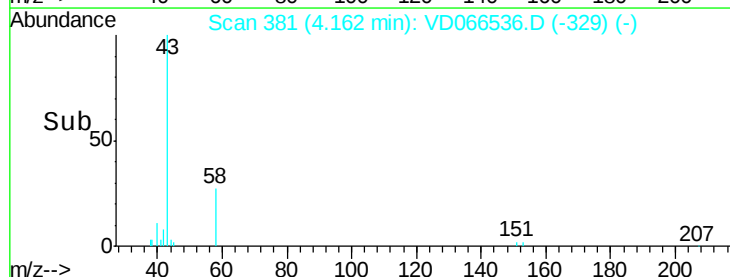
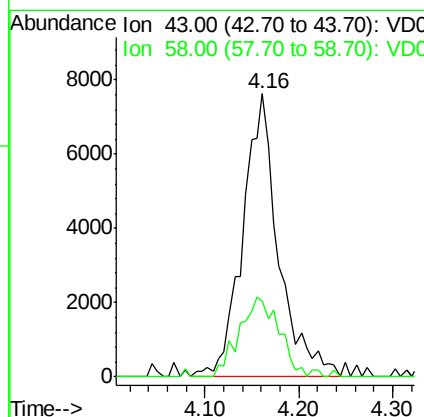
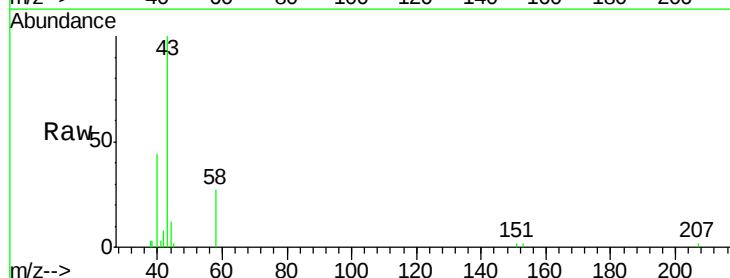
RT: 4.16 min Scan# 381

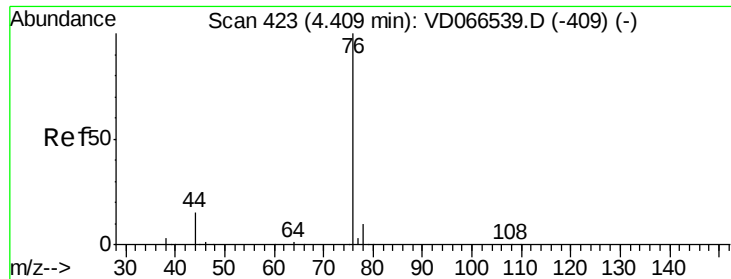
Delta R.T. 0.01 min

Lab File: VD066536.D

Acq: 03 Sep 2020 14:35

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 20042 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 27.0  | 22.9  | 34.3  |





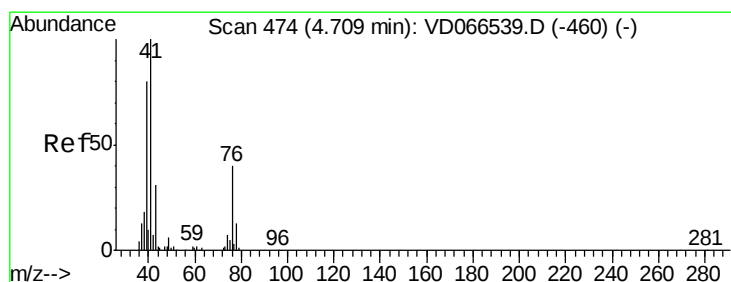
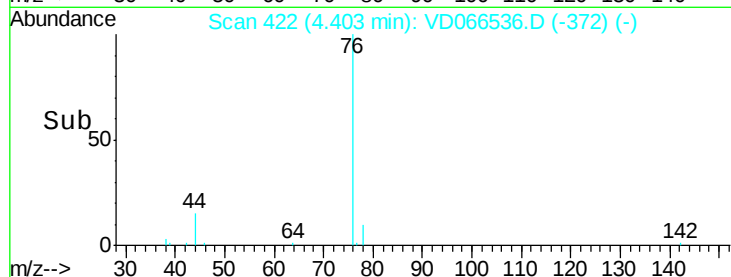
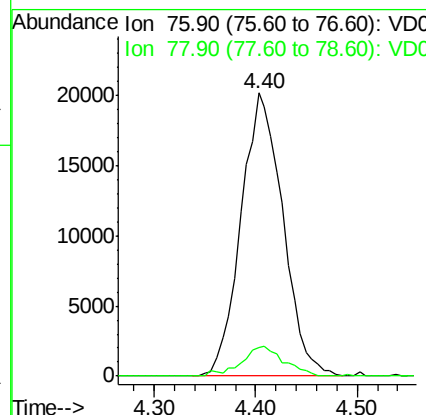
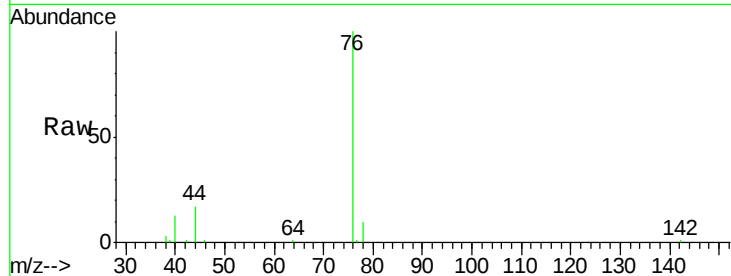
#17  
Carbon Disulfide  
Concen: 7.399 ug/l  
RT: 4.40 min Scan# 422  
Delta R.T. -0.01 min  
Lab File: VD066536.D  
Acq: 03 Sep 2020 14:35

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC005

| Tot Ion | 76    | Resp  | 57716 |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 76      | 100   |       |       |
| 78      | 10.2  | 7.6   | 11.4  |

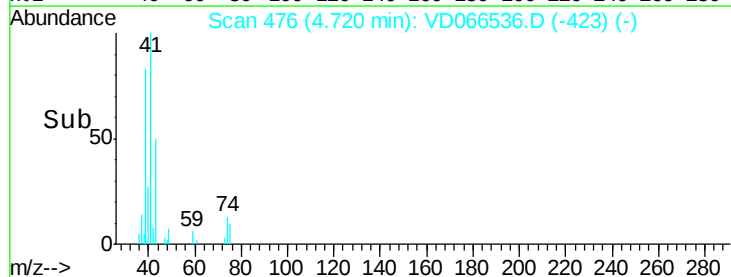
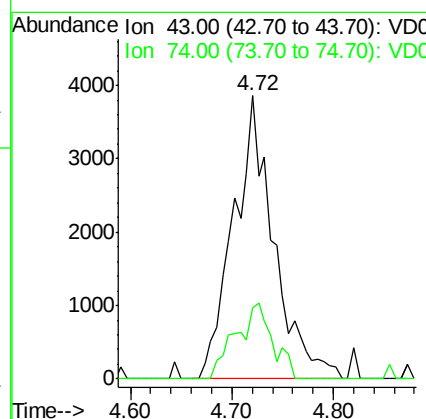
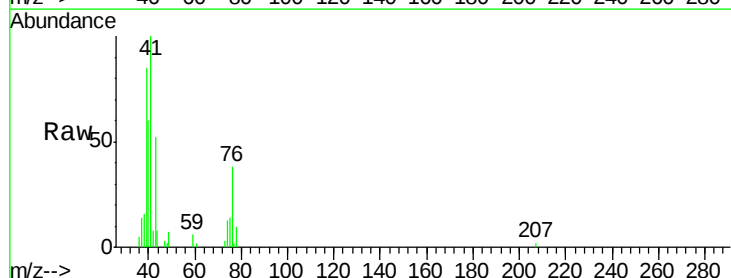
Manual Integrations  
APPROVED

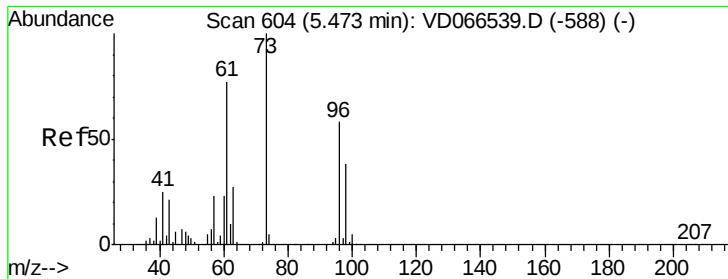
MMDadoda  
9/4/2020 4:54:49 PM



#18  
Methyl Acetate  
Concen: 10.764 ug/l  
RT: 4.72 min Scan# 476  
Delta R.T. 0.01 min  
Lab File: VD066536.D  
Acq: 03 Sep 2020 14:35

| Tgt Ion | 43    | Resp  | 10649 |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 43      | 100   |       |       |
| 74      | 24.3  | 18.0  | 27.0  |





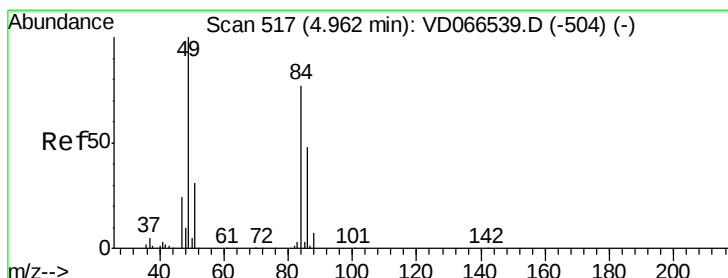
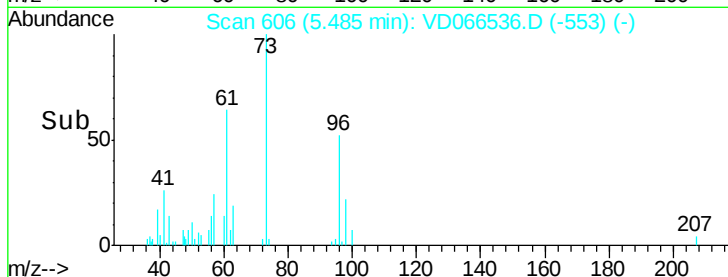
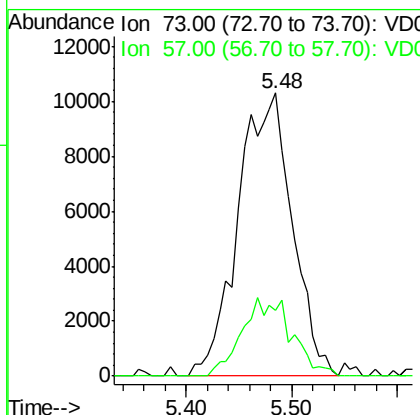
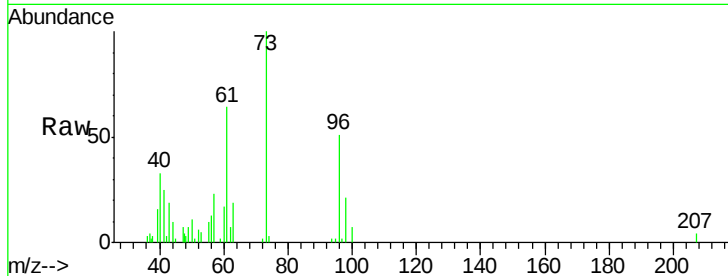
#19  
Methyl tert-butyl Ether  
Concen: 5.432 ug/l  
RT: 5.48 min Scan# 606  
Delta R.T. 0.01 min  
Lab File: VD066536.D  
Acq: 03 Sep 2020 14:35

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC005

Tot Ion: 73 Resp: 36603  
Ion Ratio Lower Upper  
73 100  
57 23.2 18.3 27.5

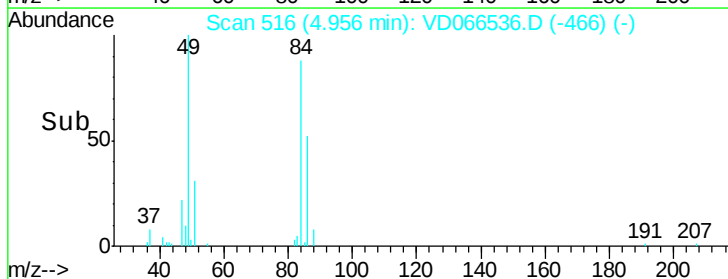
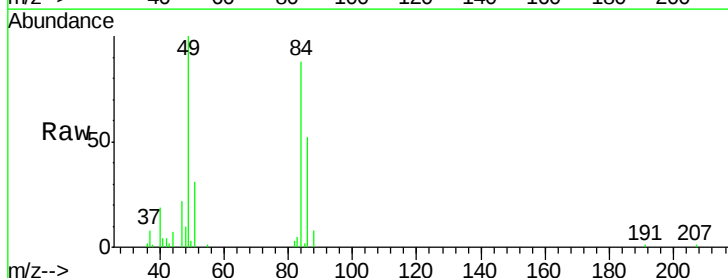
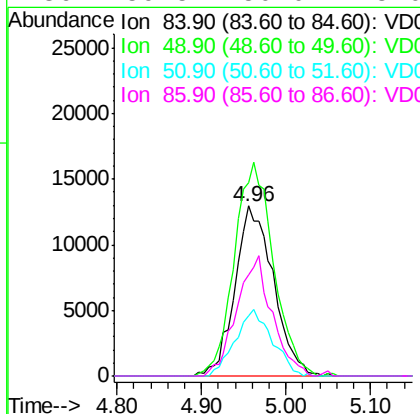
Manual Integrations  
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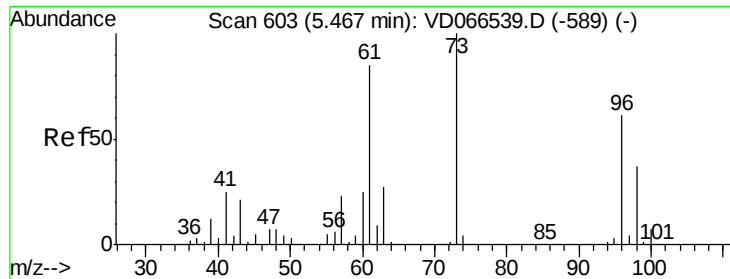
MMDadoda  
9/4/2020 4:54:49 PM



#20  
Methylene Chloride  
Concen: 12.246 ug/l  
RT: 4.96 min Scan# 516  
Delta R.T. -0.01 min  
Lab File: VD066536.D  
Acq: 03 Sep 2020 14:35

Tgt Ion: 84 Resp: 40896  
Ion Ratio Lower Upper  
84 100  
49 114.2 104.3 156.5  
51 35.3 32.2 48.4  
86 59.5 50.0 75.0





#21

trans-1,2-Dichloroethene

Concen: 6.661 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.00 min

Lab File: VD066536.D

Acq: 03 Sep 2020 14:35

Instrument :

MSVOA\_D

ClientSampled :

VSTDIC005

Tot Ion: 96 Resp: 20259

Ion Ratio Lower Upper

96 100

61 131.2 112.1 168.1

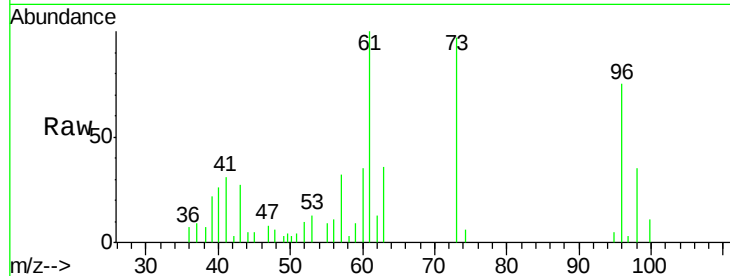
98 46.5 48.6 72.8#

Manual Integrations

APPROVED

MMDadoda

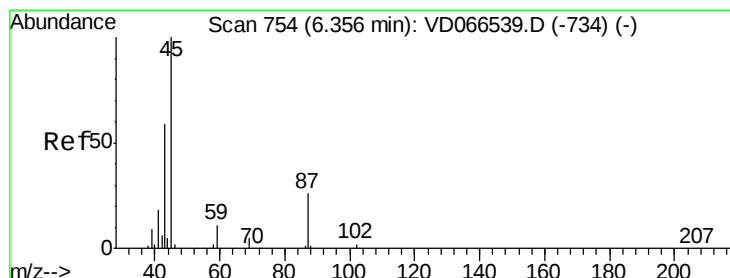
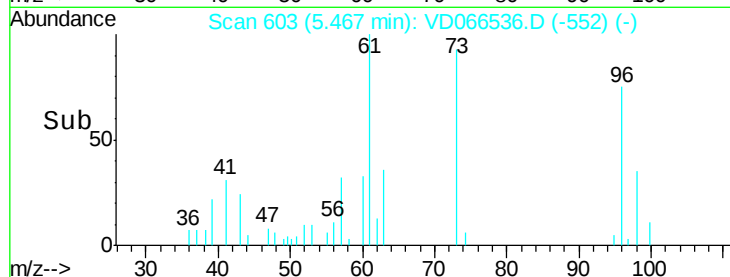
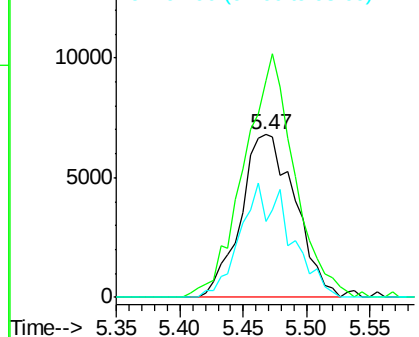
9/4/2020 4:54:49 PM



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC



#22

Diisopropyl ether

Concen: 7.557 ug/l

RT: 6.37 min Scan# 756

Delta R.T. 0.01 min

Lab File: VD066536.D

Acq: 03 Sep 2020 14:35

Tgt Ion: 45 Resp: 49556

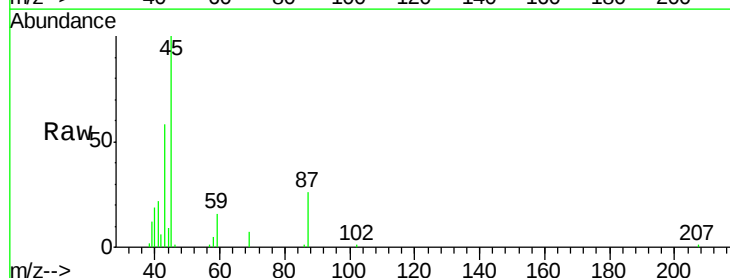
Ion Ratio Lower Upper

45 100

43 54.8 47.0 70.4

87 26.5 21.3 31.9

59 16.2 8.7 13.1#

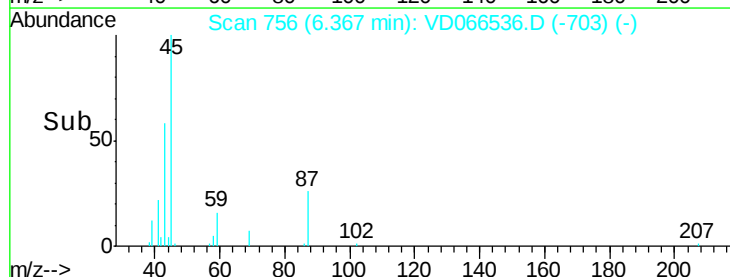
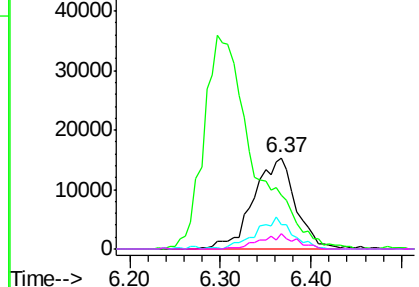


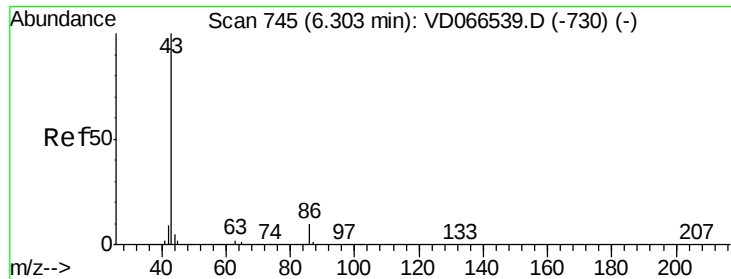
Abundance Ion 45.00 (44.70 to 45.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 59.00 (58.70 to 59.70): VDC





#23

Vinyl Acetate

Concen: 33.345 ug/l

RT: 6.30 min Scan# 744

Delta R.T. -0.01 min

Lab File: VD066536.D

Acq: 03 Sep 2020 14:35

Instrument :

MSVOA\_D

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 136829

Ion Ratio Lower Upper

43 100

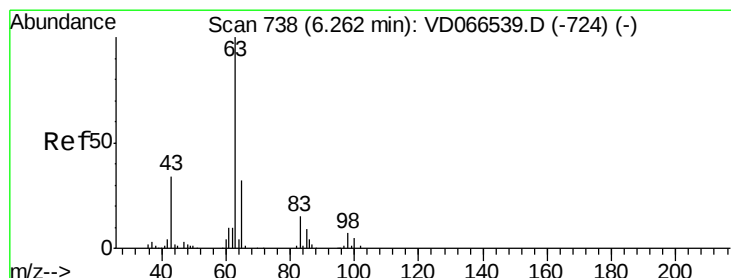
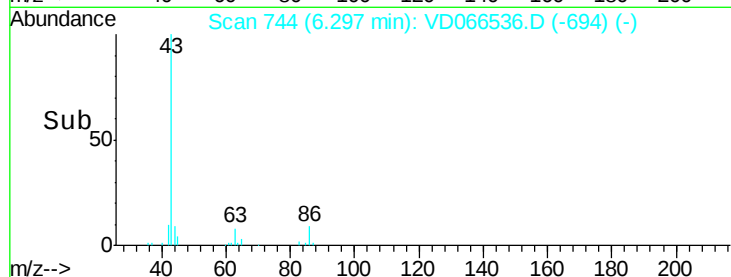
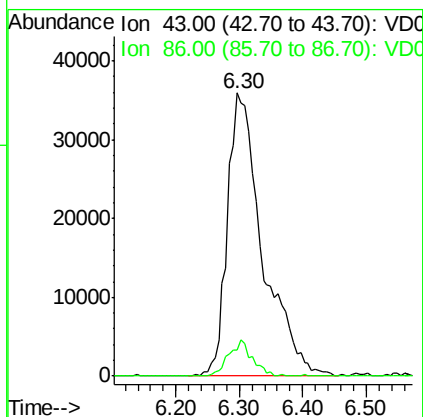
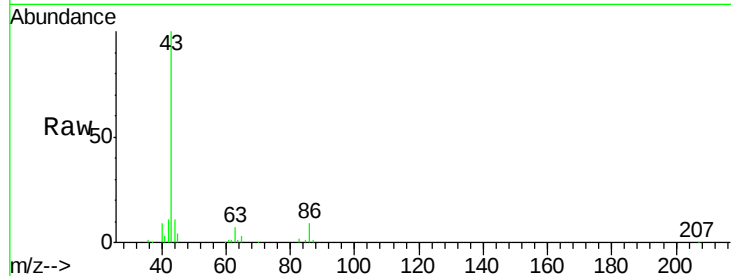
86 9.3 7.7 11.5

Manual Integrations

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9/4/2020 4:54:49 PM



#24

1,1-Dichloroethane

Concen: 7.583 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.01 min

Lab File: VD066536.D

Acq: 03 Sep 2020 14:35

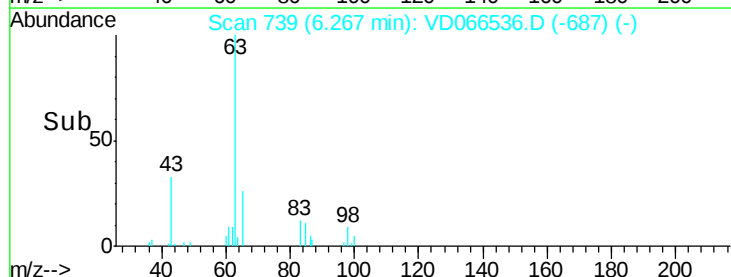
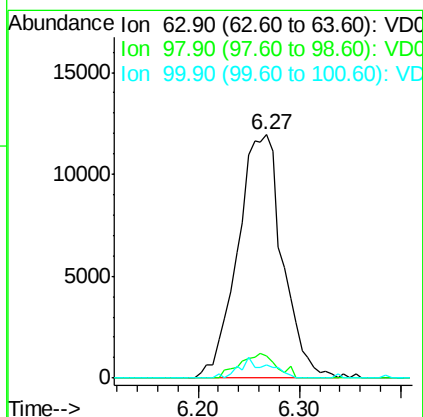
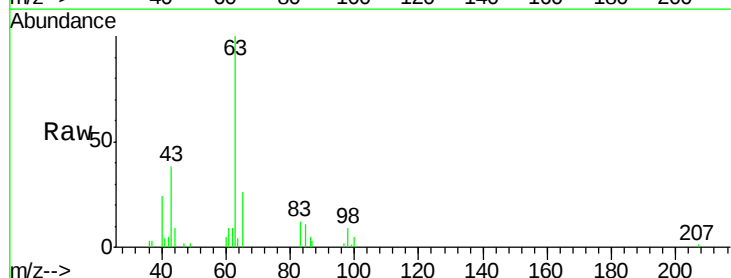
Tgt Ion: 63 Resp: 36592

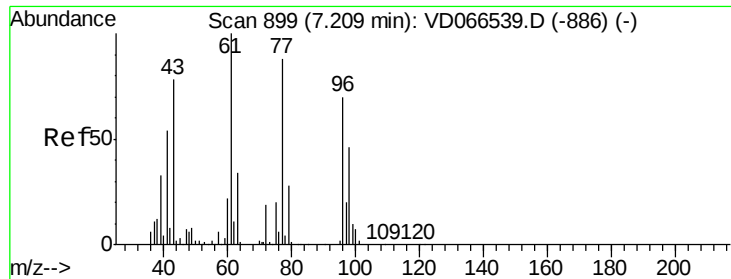
Ion Ratio Lower Upper

63 100

98 8.9 3.4 10.1

100 5.4 2.5 7.4





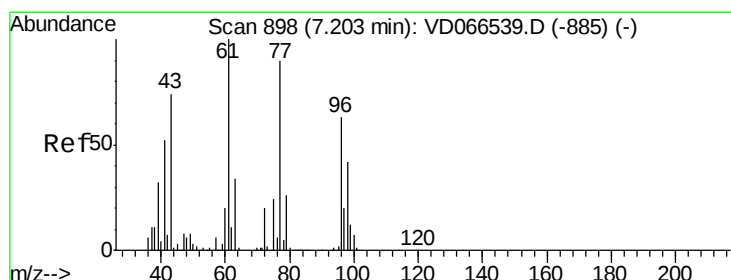
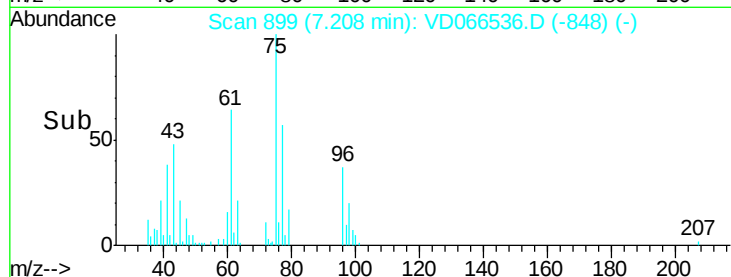
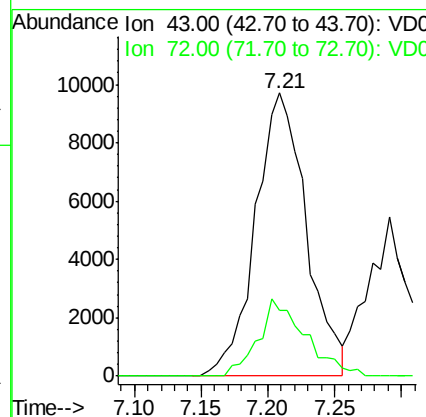
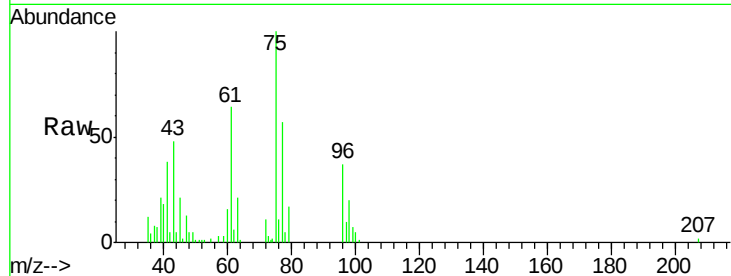
#25  
2-Butanone  
Concen: 41.284 ug/l  
RT: 7.21 min Scan# 899  
Delta R.T. -0.00 min  
Lab File: VD066536.D  
Acq: 03 Sep 2020 14:35

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC005

Tot Ion: 43 Resp: 25616  
Ion Ratio Lower Upper  
43 100  
72 23.4 19.8 29.6

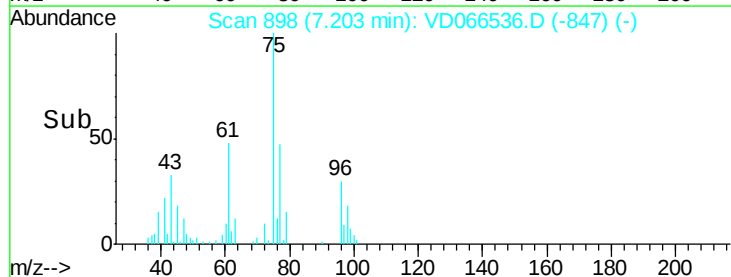
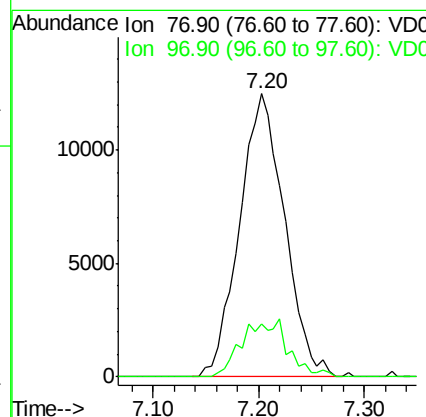
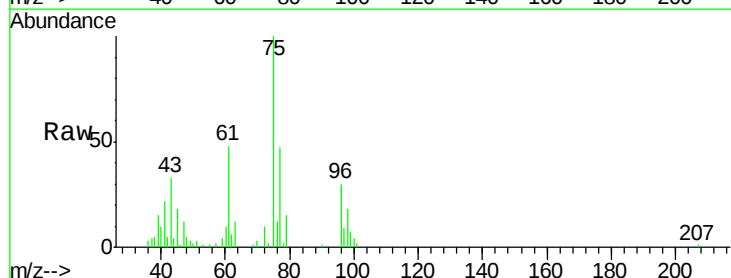
Manual Integrations  
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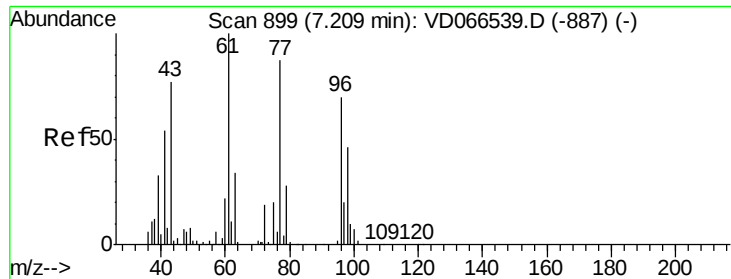
MMDadoda  
9/4/2020 4:54:49 PM



#26  
2,2-Dichloropropane  
Concen: 6.482 ug/l  
RT: 7.20 min Scan# 898  
Delta R.T. -0.00 min  
Lab File: VD066536.D  
Acq: 03 Sep 2020 14:35

Tgt Ion: 77 Resp: 36821  
Ion Ratio Lower Upper  
77 100  
97 20.1 10.8 32.3





#27

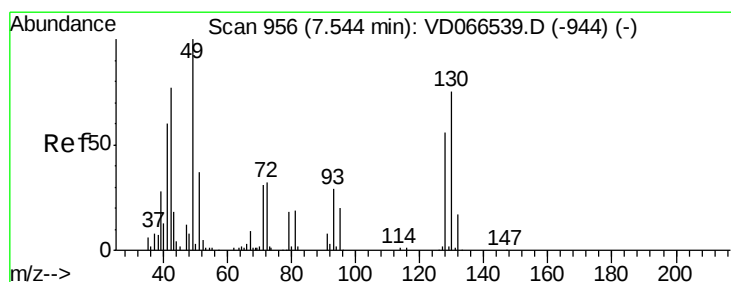
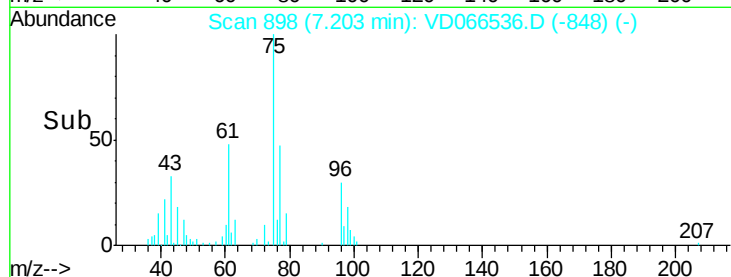
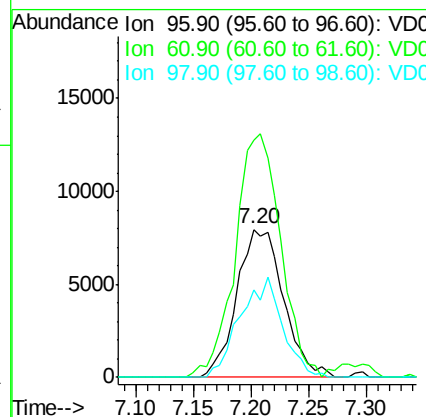
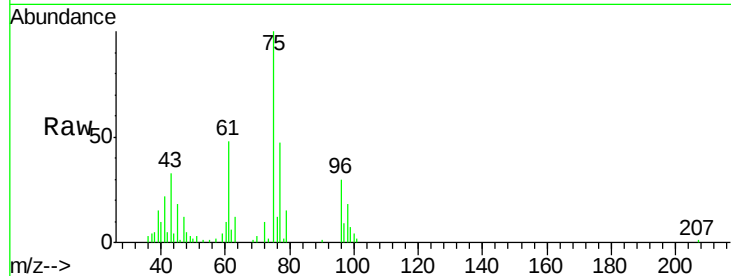
cis-1,2-Dichloroethene  
Concen: 6.823 ug/l  
RT: 7.20 min Scan# 898  
Delta R.T. -0.01 min  
Lab File: VD066536.D  
Acq: 03 Sep 2020 14:35

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC005

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 159.0 | 0.0   | 301.0 |
| 98      | 61.2  | 0.0   | 129.8 |

Manual Integrations  
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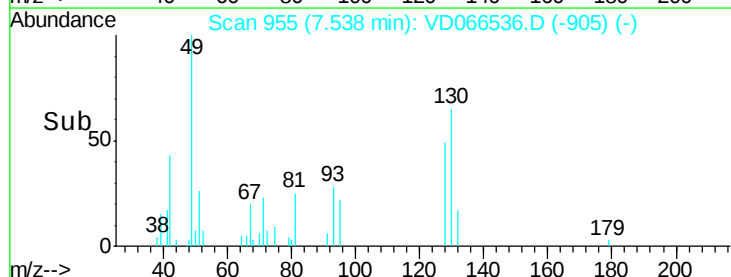
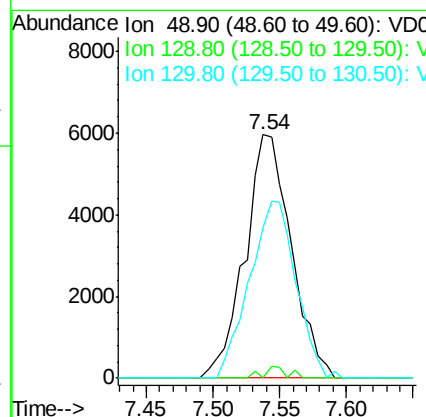
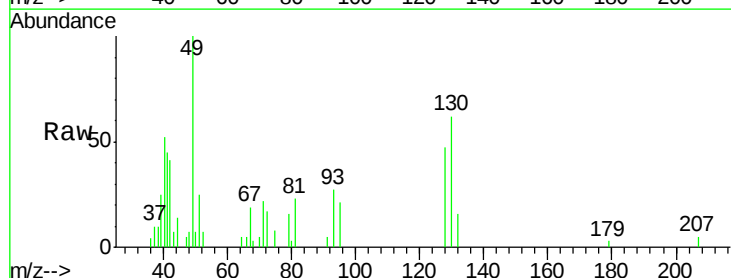
MMDadoda  
9/4/2020 4:54:49 PM

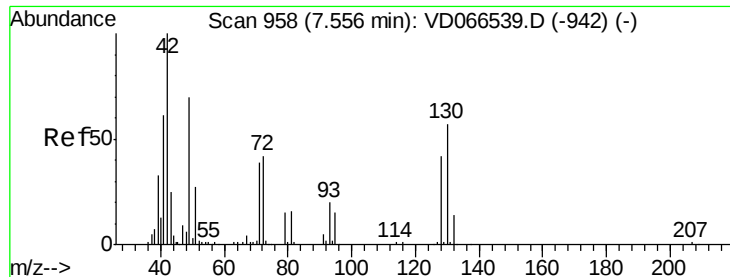


#28

Bromochloromethane  
Concen: 9.494 ug/l  
RT: 7.54 min Scan# 955  
Delta R.T. -0.01 min  
Lab File: VD066536.D  
Acq: 03 Sep 2020 14:35

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 49      | 100   |       |       |
| 129     | 2.3   | 0.0   | 2.6   |
| 130     | 72.8  | 58.2  | 87.2  |





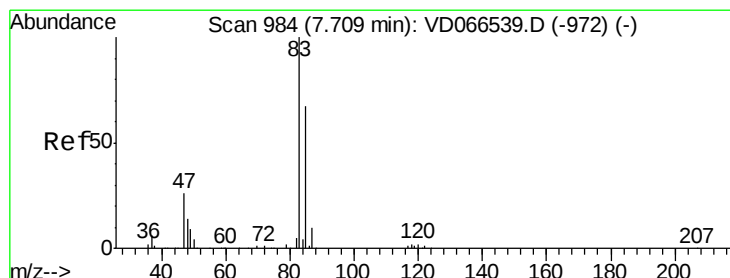
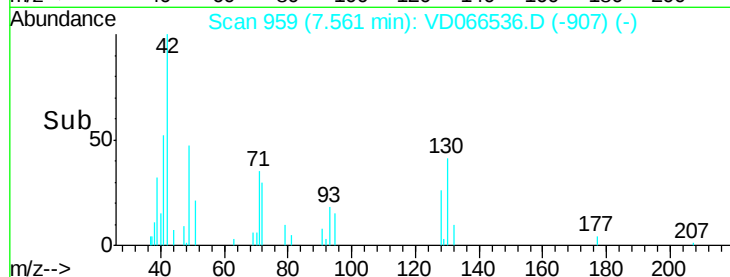
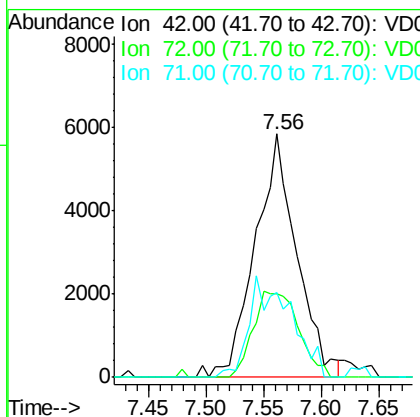
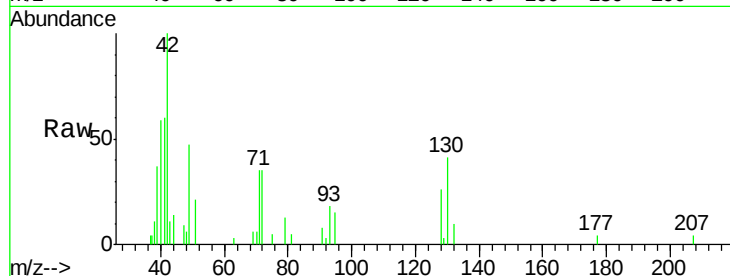
#29  
Tetrahydrofuran  
Concen: 43.490 ug/l  
RT: 7.56 min Scan# 959  
Delta R.T. 0.01 min  
Lab File: VD066536.D  
Acq: 03 Sep 2020 14:35

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC005

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 38.3  | 33.4  | 50.0  |
| 71      | 20.6  | 31.9  | 47.9  |

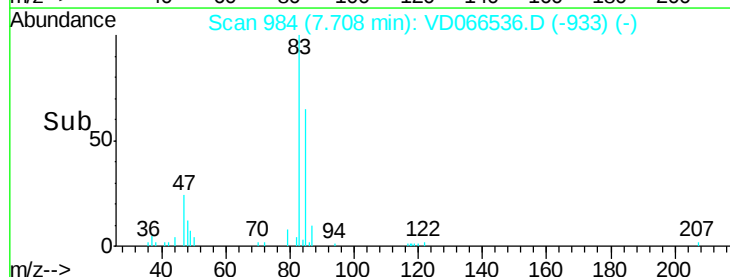
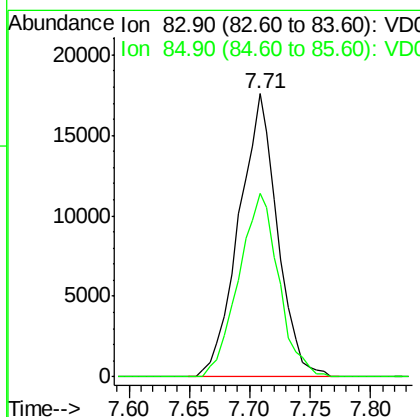
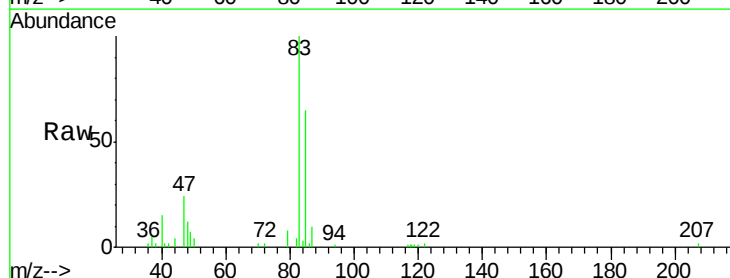
Manual Integrations  
APPROVED

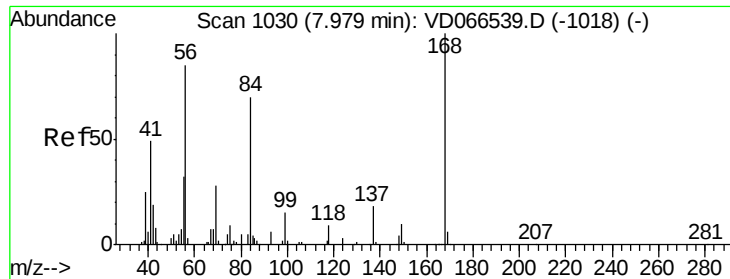
MMDadoda  
9/4/2020 4:54:49 PM



#30  
Chloroform  
Concen: 6.582 ug/l  
RT: 7.71 min Scan# 984  
Delta R.T. -0.00 min  
Lab File: VD066536.D  
Acq: 03 Sep 2020 14:35

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 64.9  | 53.6  | 80.4  |





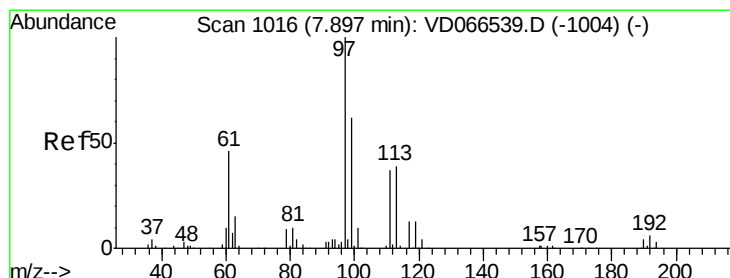
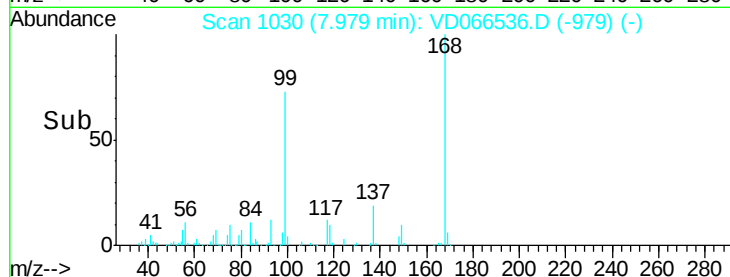
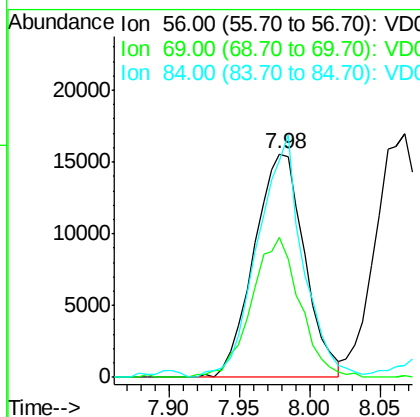
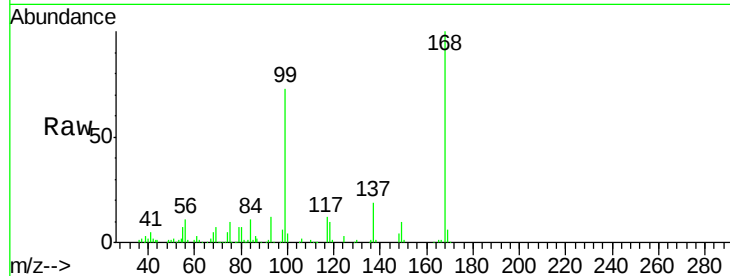
#31  
Cyclohexane  
Concen: 9.095 ug/l  
RT: 7.98 min Scan# 1030  
Delta R.T. -0.00 min  
Lab File: VD066536.D  
Acq: 03 Sep 2020 14:35

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC005

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 69      | 62.8  | 26.3  | 39.5# |
| 84      | 97.2  | 66.1  | 99.1  |

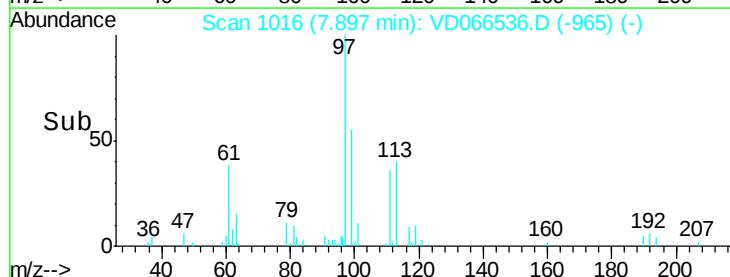
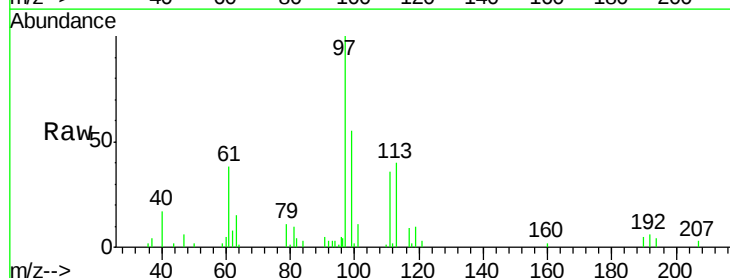
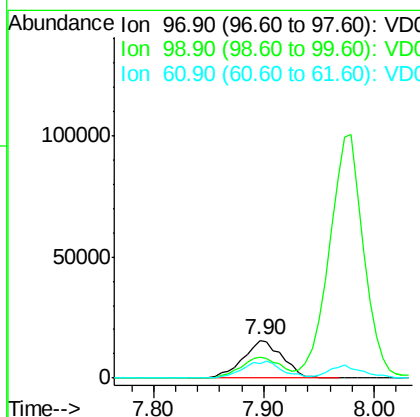
Manual Integrations  
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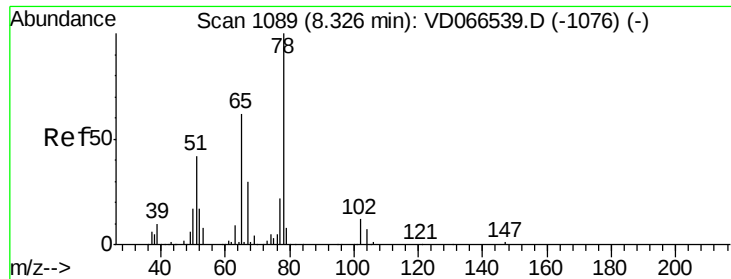
MMDadoda  
9/4/2020 4:54:49 PM



#32  
1,1,1-Trichloroethane  
Concen: 6.148 ug/l  
RT: 7.90 min Scan# 1016  
Delta R.T. -0.00 min  
Lab File: VD066536.D  
Acq: 03 Sep 2020 14:35

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 99      | 55.2  | 51.4  | 77.0  |
| 61      | 44.5  | 37.4  | 56.0  |





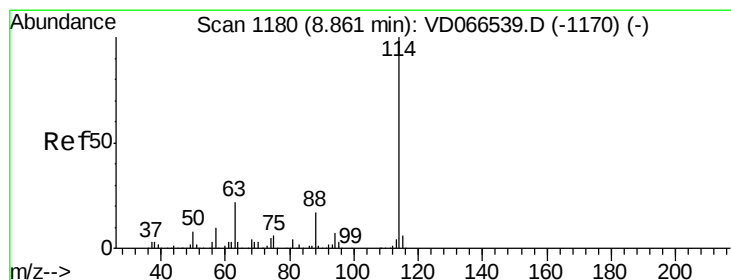
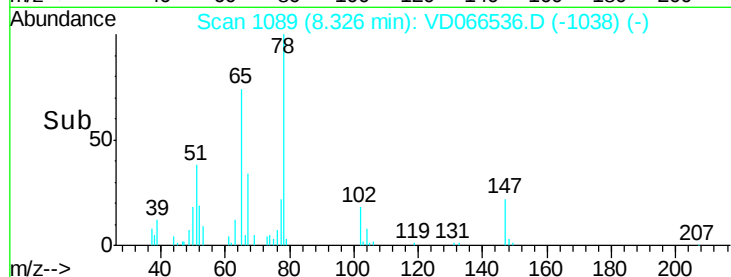
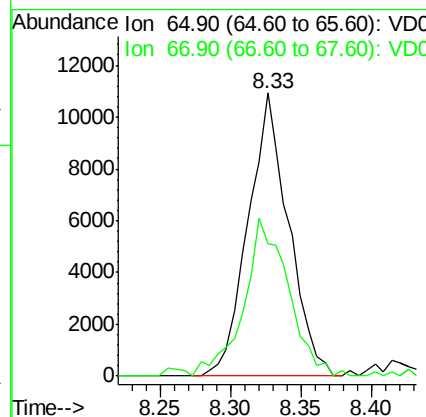
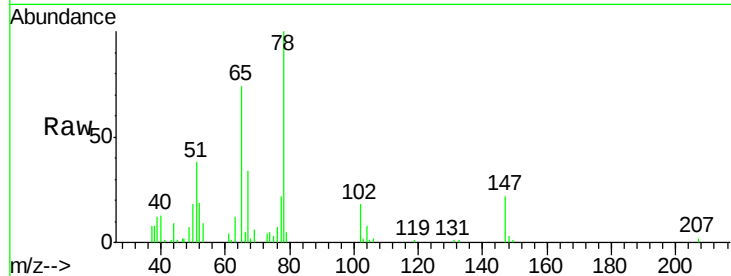
#33  
 1,2-Dichloroethane-d4  
 Concen: 6.101 ug/l  
 RT: 8.33 min Scan# 1089  
 Delta R.T. -0.00 min  
 Lab File: VD066536.D  
 Acq: 03 Sep 2020 14:35

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDIC005

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 67      | 61.2  | 0.0   | 102.8 |

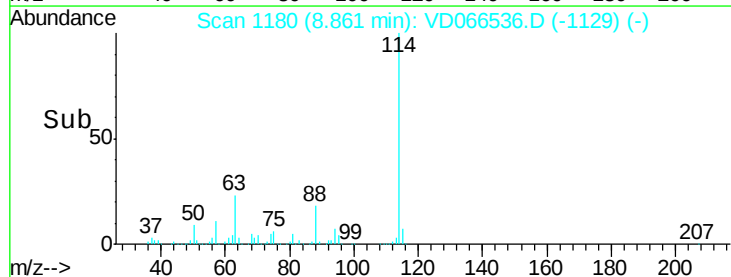
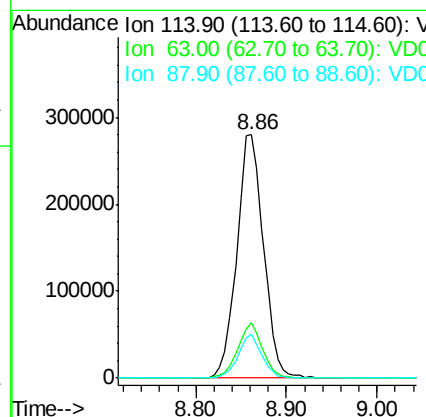
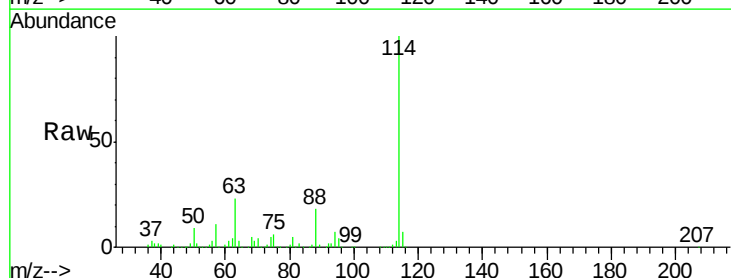
Manual Integrations  
 APPROVED

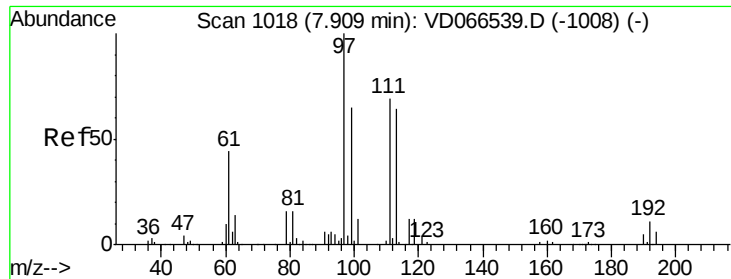
MMDadoda  
 9/4/2020 4:54:49 PM



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.86 min Scan# 1180  
 Delta R.T. -0.00 min  
 Lab File: VD066536.D  
 Acq: 03 Sep 2020 14:35

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 22.8  | 0.0   | 43.2  |
| 88      | 18.2  | 0.0   | 33.2  |





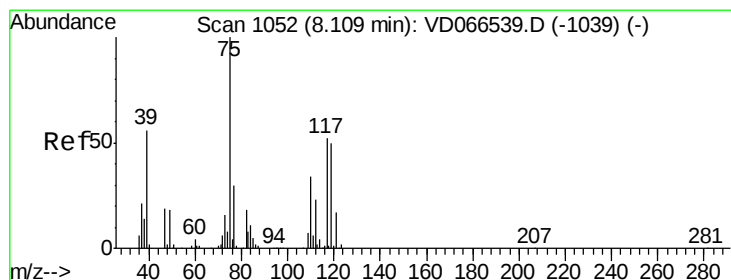
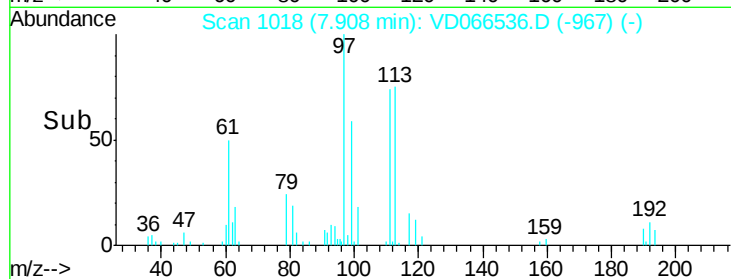
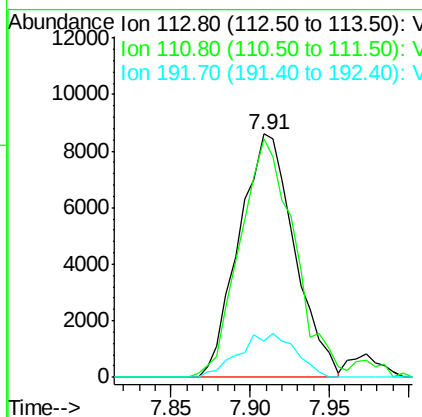
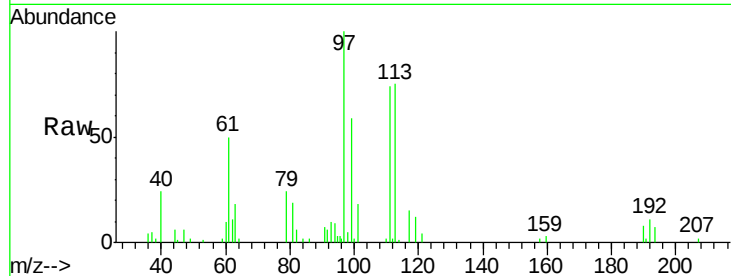
#35  
Dibromofluoromethane  
Concen: 6.087 ug/l  
RT: 7.91 min Scan# 1018  
Delta R.T. -0.00 min  
Lab File: VD066536.D  
Acq: 03 Sep 2020 14:35

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC005

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 113     | 100   | 20926 |       |       |
| 111     | 96.4  |       | 83.2  | 124.8 |
| 192     | 18.4  |       | 13.7  | 20.5  |

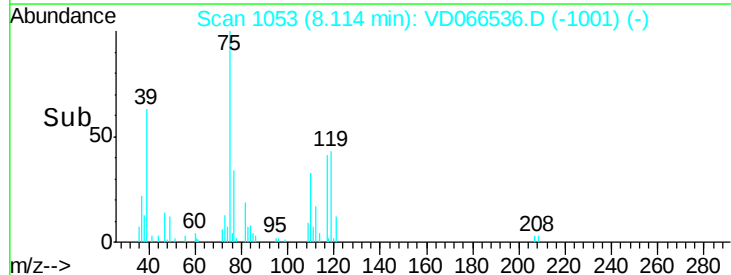
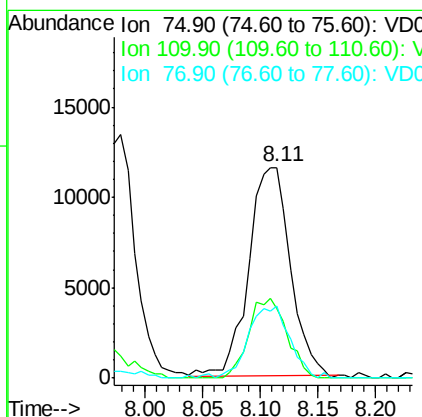
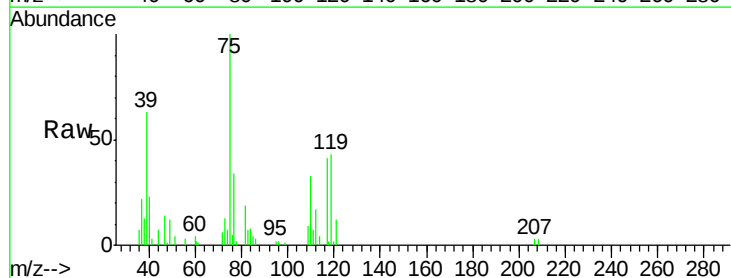
Manual Integrations  
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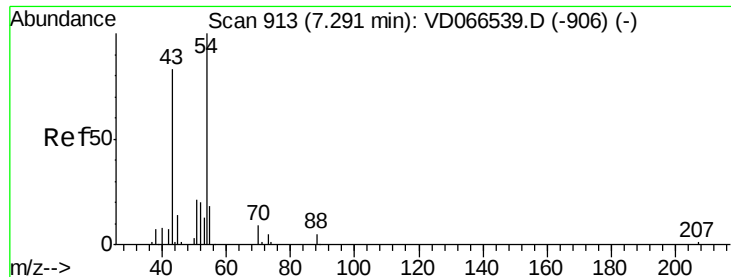
MMDadoda  
9/4/2020 4:54:49 PM



#36  
1,1-Dichloropropene  
Concen: 5.639 ug/l  
RT: 8.11 min Scan# 1053  
Delta R.T. 0.01 min  
Lab File: VD066536.D  
Acq: 03 Sep 2020 14:35

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 75      | 100   | 29053 |       |       |
| 110     | 35.1  |       | 17.3  | 52.0  |
| 77      | 34.4  |       | 25.1  | 37.7  |





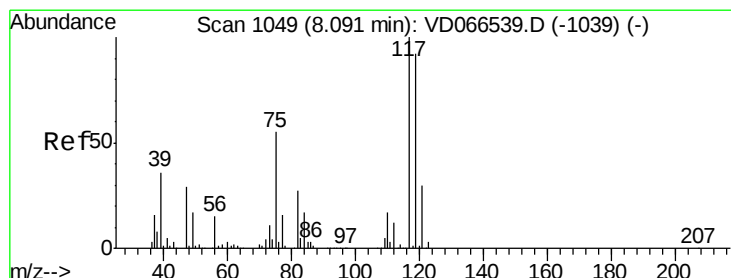
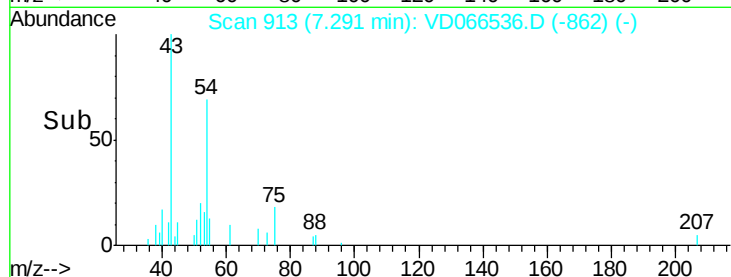
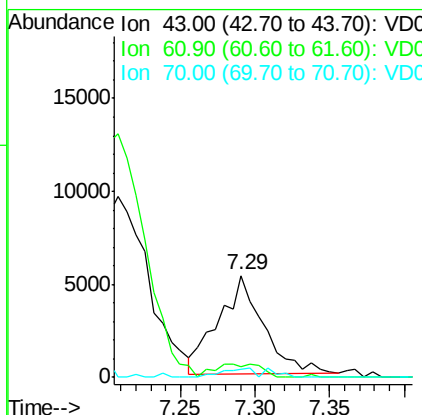
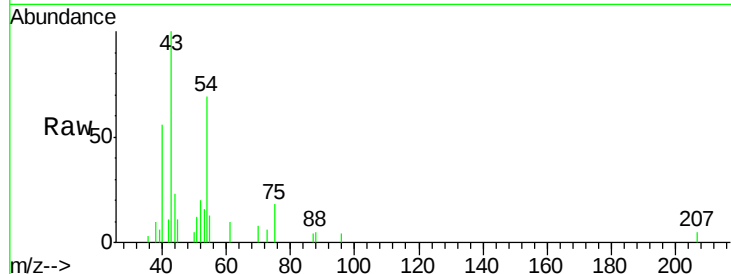
#37  
Ethyl Acetate  
Concen: 6.680 ug/l  
RT: 7.29 min Scan# 913  
Delta R.T. -0.00 min  
Lab File: VD066536.D  
Acq: 03 Sep 2020 14:35

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC005

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 14.5  | 11.8  | 17.8  |
| 70      | 6.5   | 7.9   | 11.9  |

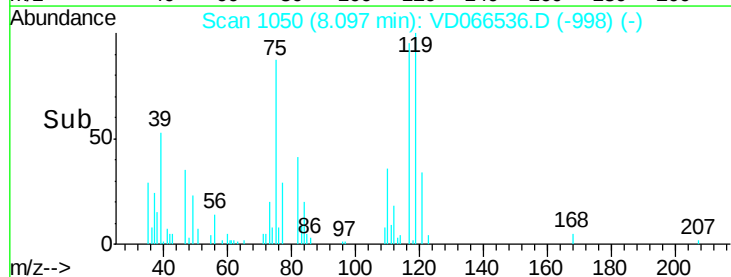
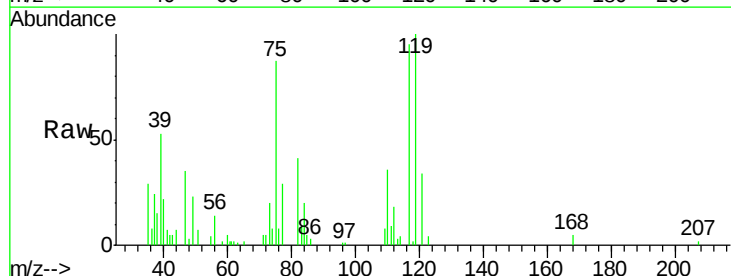
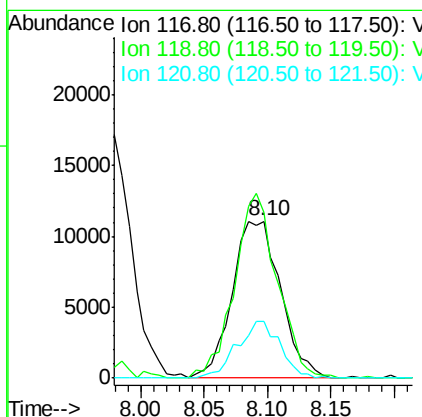
Manual Integrations  
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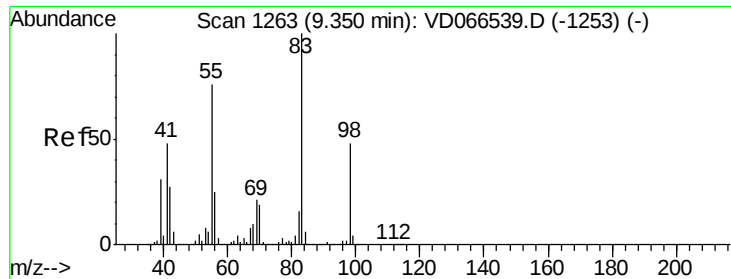
MMDadoda  
9/4/2020 4:54:49 PM



#38  
Carbon Tetrachloride  
Concen: 3.997 ug/l  
RT: 8.10 min Scan# 1050  
Delta R.T. 0.01 min  
Lab File: VD066536.D  
Acq: 03 Sep 2020 14:35

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 105.6 | 73.9  | 110.9 |
| 121     | 36.1  | 24.1  | 36.1  |





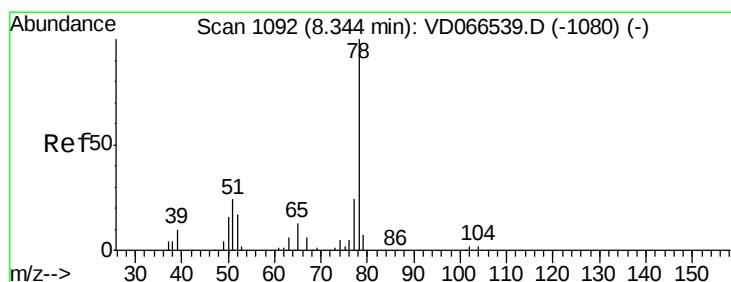
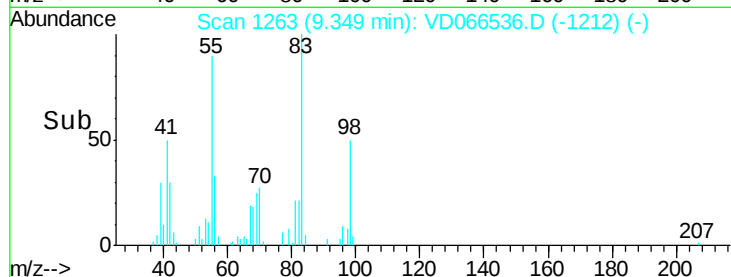
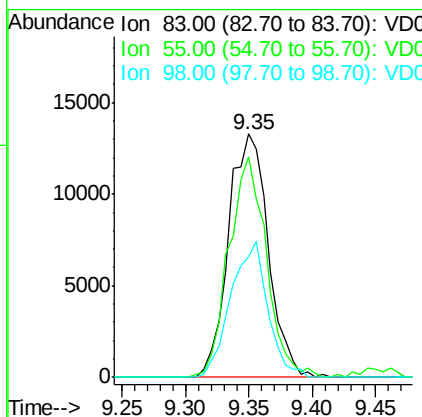
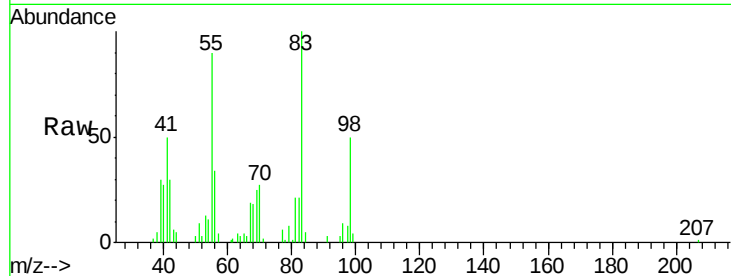
#39  
Methvlcvclohexane  
Concen: 4.762 ug/l  
RT: 9.35 min Scan# 1263  
Delta R.T. -0.00 min  
Lab File: VD066536.D  
Acq: 03 Sep 2020 14:35

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC005

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 90.3  | 60.8  | 91.2  |
| 98      | 49.8  | 38.6  | 58.0  |

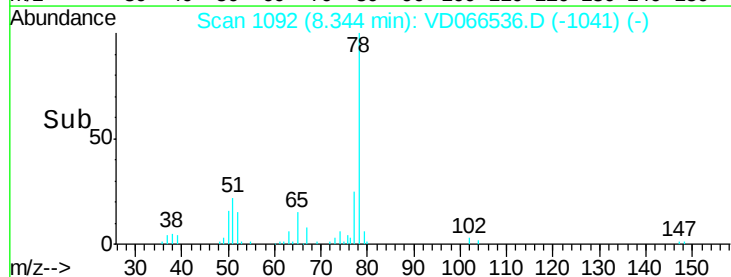
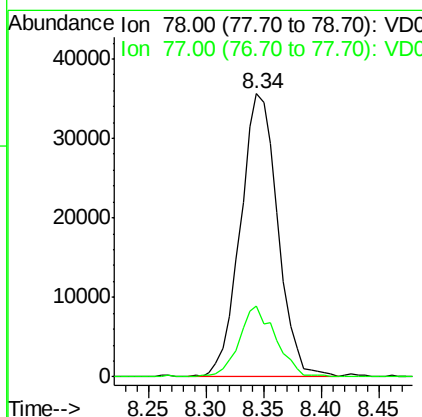
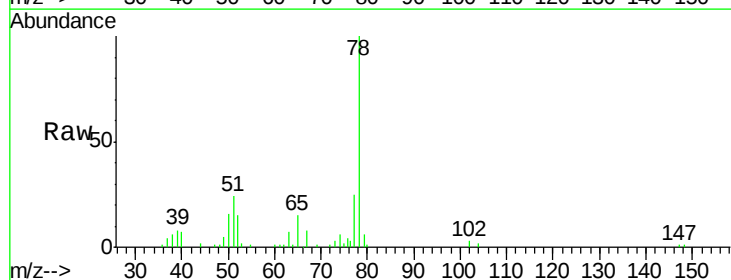
Manual Integrations  
APPROVED

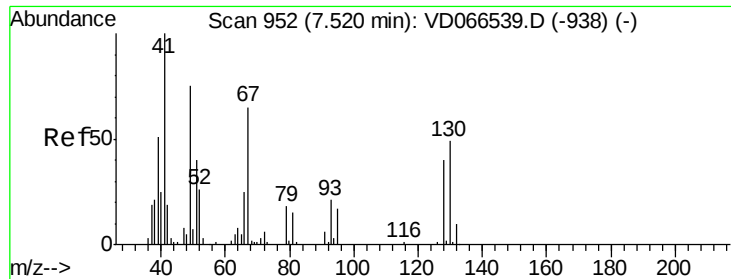
MMDadoda  
9/4/2020 4:54:49 PM



#40  
Benzene  
Concen: 5.982 ug/l  
RT: 8.34 min Scan# 1092  
Delta R.T. -0.00 min  
Lab File: VD066536.D  
Acq: 03 Sep 2020 14:35

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 25.0  | 19.1  | 28.7  |





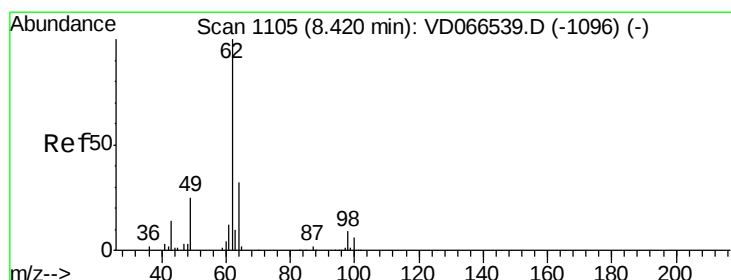
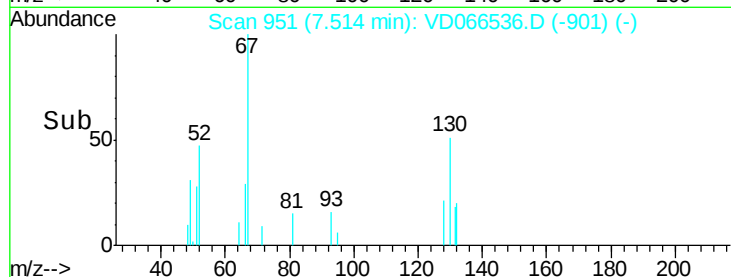
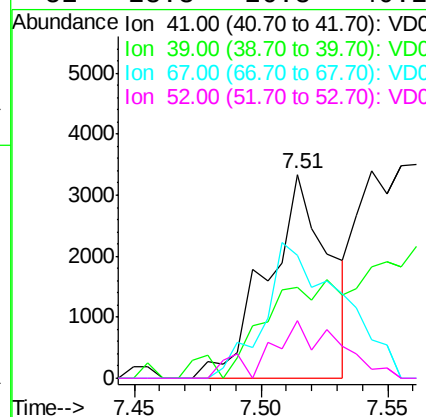
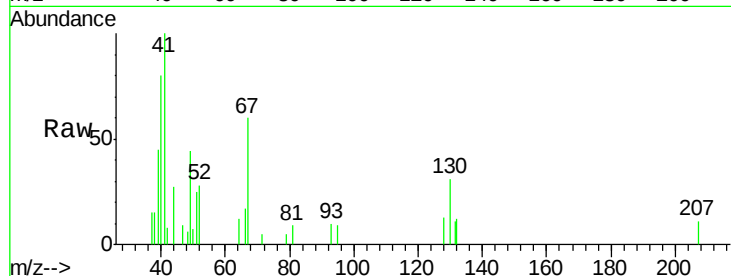
#41  
Methacrylonitrile  
Concen: 6.386 ug/l  
RT: 7.51 min Scan# 951  
Delta R.T. -0.01 min  
Lab File: VD066536.D  
Acq: 03 Sep 2020 14:35

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC005

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 41    | Resp: | 5626  |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 39       | 39.8  | 53.6  | 80.4# |
| 67       | 83.3  | 59.2  | 88.8  |
| 52       | 28.3  | 26.8  | 40.2  |

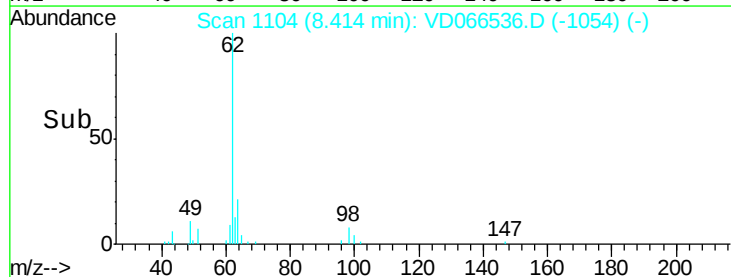
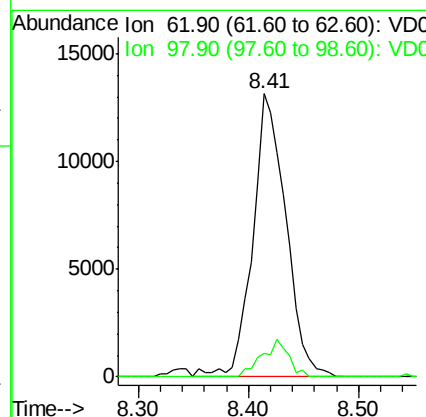
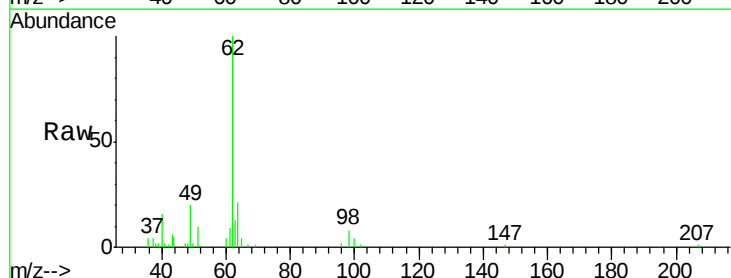
Manual Integrations  
APPROVED

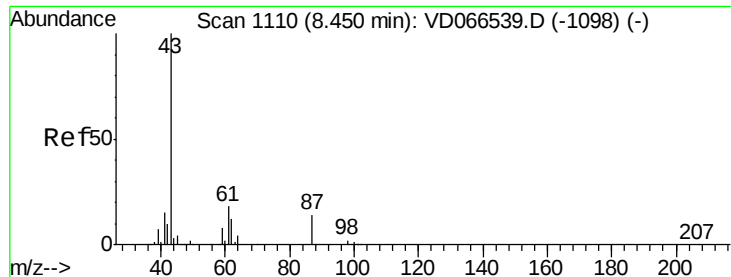
MMDadoda  
9/4/2020 4:54:49 PM



#42  
1,2-Dichloroethane  
Concen: 5.114 ug/l  
RT: 8.41 min Scan# 1104  
Delta R.T. -0.01 min  
Lab File: VD066536.D  
Acq: 03 Sep 2020 14:35

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 62    | Resp: | 27648 |
| Ion      | Ratio | Lower | Upper |
| 62       | 100   |       |       |
| 98       | 10.6  | 0.0   | 17.6  |





#43

Isopropyl Acetate

Concen: 6.359 ug/l

RT: 8.44 min Scan# 1109

Delta R.T. -0.01 min

Lab File: VD066536.D

Acq: 03 Sep 2020 14:35

Instrument :

MSVOA\_D

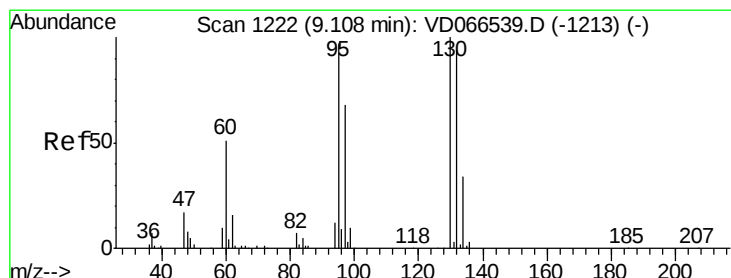
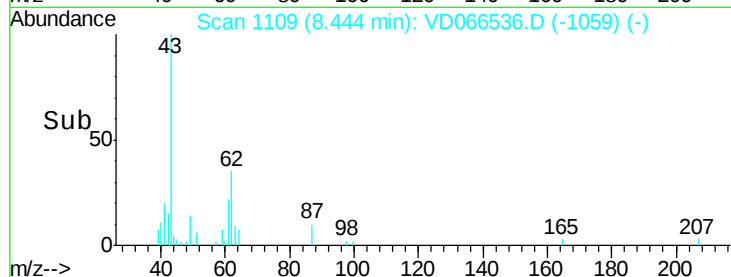
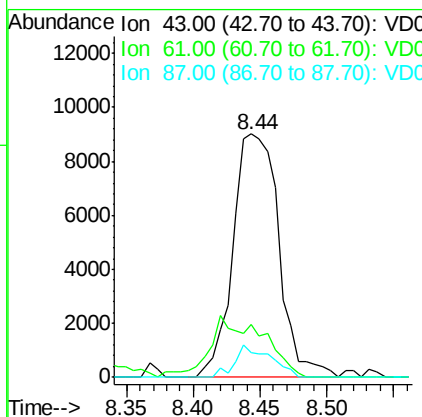
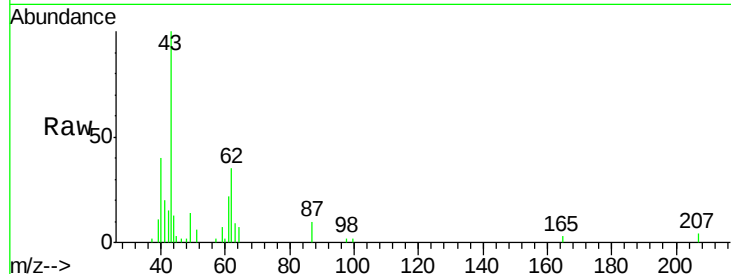
ClientSampleId :

VSTDIC005

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 43    | Resp: | 21482 |
| Ion Ratio | Lower | Upper |       |
| 43        | 100   |       |       |
| 61        | 0.0   | 23.8  | 35.8# |
| 87        | 10.2  | 10.7  | 16.1# |

Manual Integrations  
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MMDadoda  
9/4/2020 4:54:49 PM



#44

Trichloroethene

Concen: 4.956 ug/l

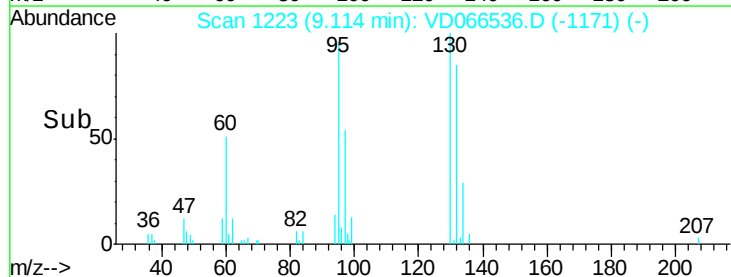
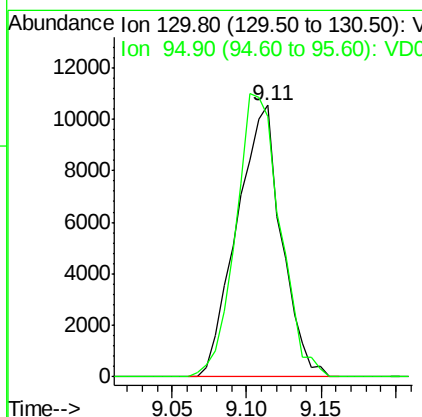
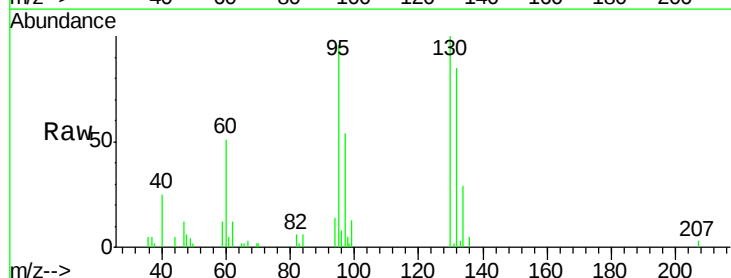
RT: 9.11 min Scan# 1223

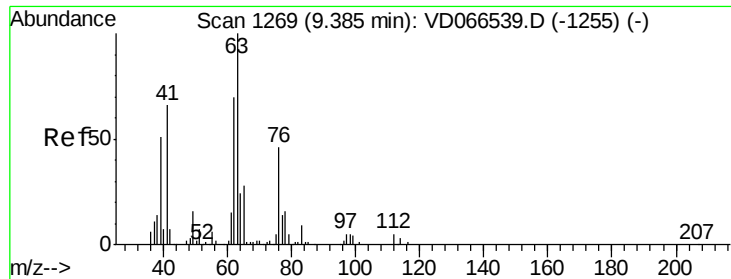
Delta R.T. 0.01 min

Lab File: VD066536.D

Acq: 03 Sep 2020 14:35

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 130   | Resp: | 21853 |
| Ion Ratio | Lower | Upper |       |
| 130       | 100   |       |       |
| 95        | 95.7  | 0.0   | 194.4 |





#45

1,2-Dichloropropane

Concen: 7.118 ug/l

RT: 9.38 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VD066536.D

Acq: 03 Sep 2020 14:35

Instrument :

MSVOA\_D

ClientSampleId :

VSTDIC005

Tot Ion: 63 Resp: 19973

Ion Ratio Lower Upper

63 100

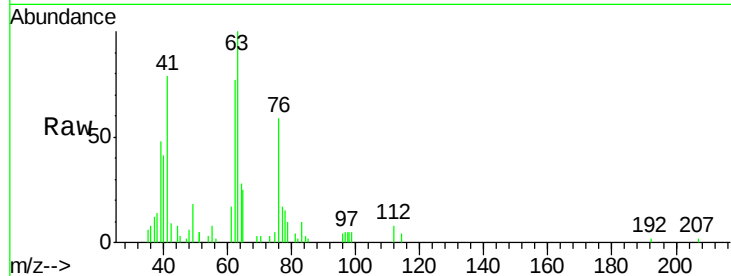
65 24.9 22.6 34.0

Manual Integrations

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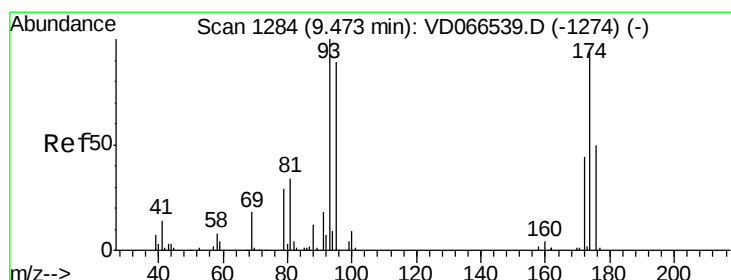
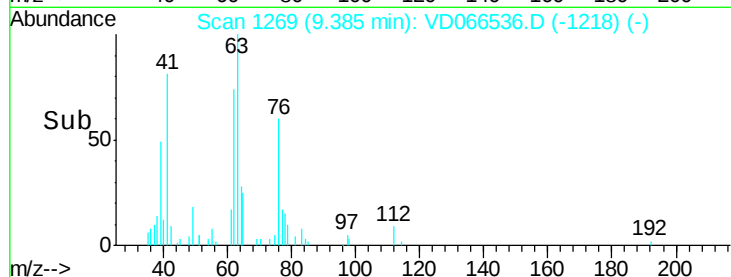
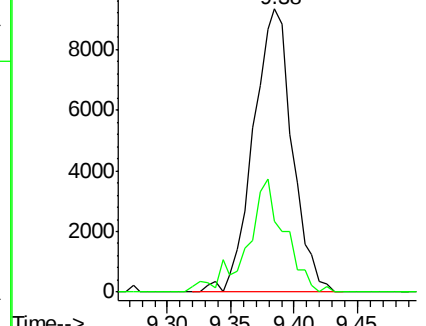
MMDadoda

9/4/2020 4:54:49 PM



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 5.665 ug/l

RT: 9.47 min Scan# 1283

Delta R.T. -0.01 min

Lab File: VD066536.D

Acq: 03 Sep 2020 14:35

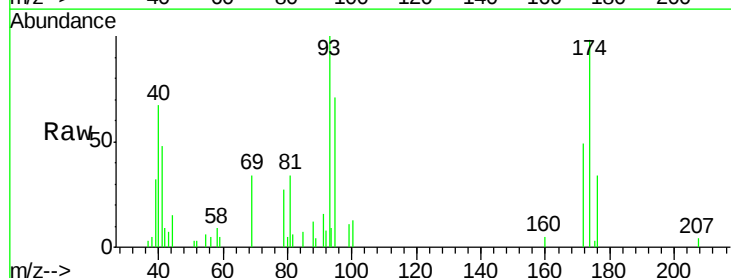
Tgt Ion: 93 Resp: 10916

Ion Ratio Lower Upper

93 100

95 83.6 68.7 103.1

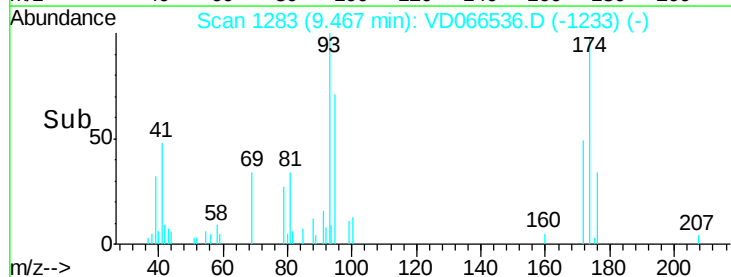
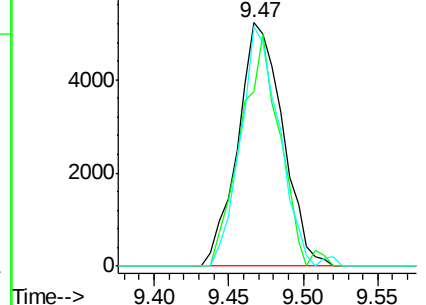
174 84.6 70.0 105.0

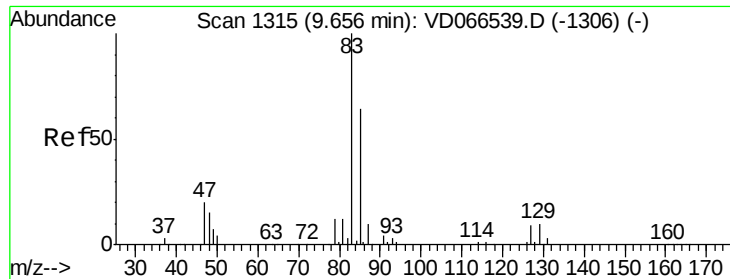


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): VDC





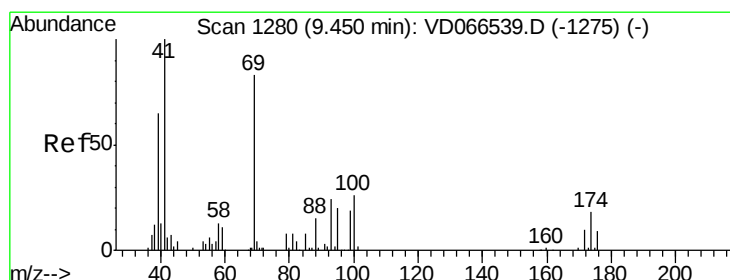
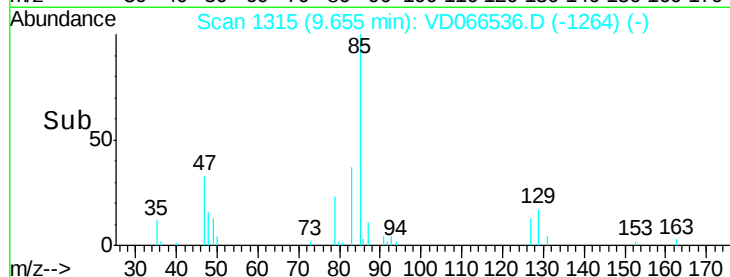
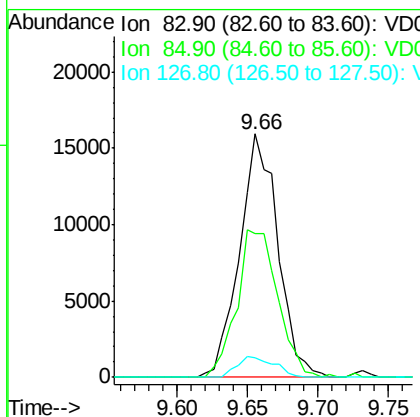
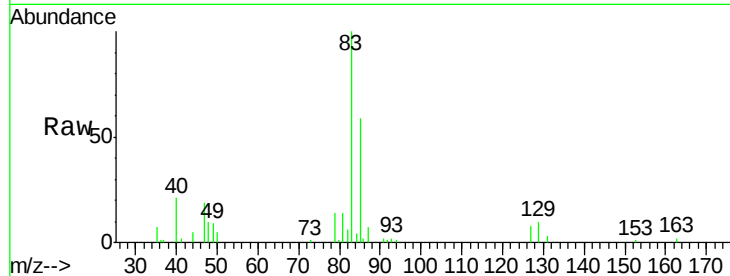
#47  
Bromodichloromethane  
Concen: 5.377 ug/l  
RT: 9.66 min Scan# 1315  
Delta R.T. -0.00 min  
Lab File: VD066536.D  
Acq: 03 Sep 2020 14:35

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC005

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 83    | Resp: | 30329 |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 85       | 59.1  | 51.1  | 76.7  |
| 127      | 7.9   | 6.9   | 10.3  |

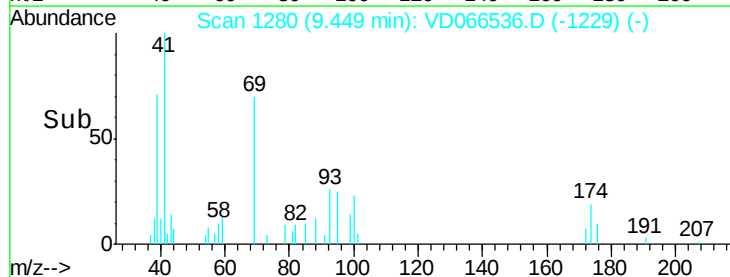
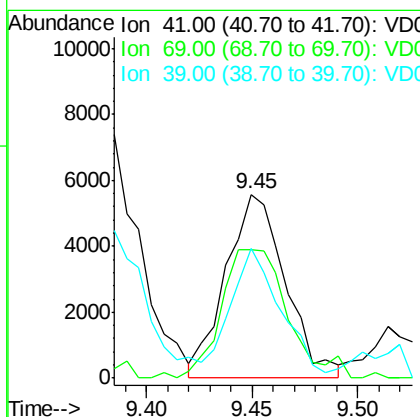
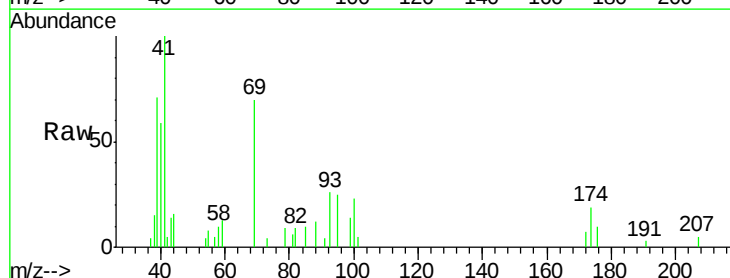
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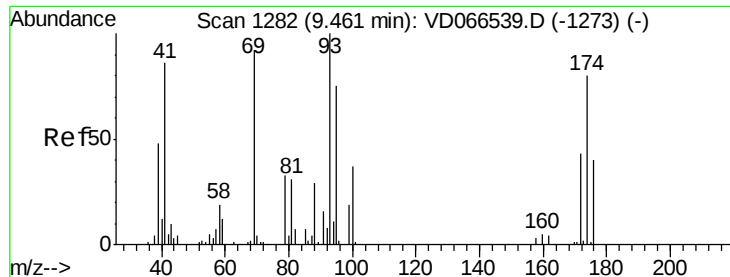
MMDadoda  
9/4/2020 4:54:49 PM



#48  
Methyl methacrylate  
Concen: 6.326 ug/l  
RT: 9.45 min Scan# 1280  
Delta R.T. -0.00 min  
Lab File: VD066536.D  
Acq: 03 Sep 2020 14:35

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 10905 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 69       | 78.1  | 64.5  | 96.7  |
| 39       | 54.6  | 46.6  | 69.8  |





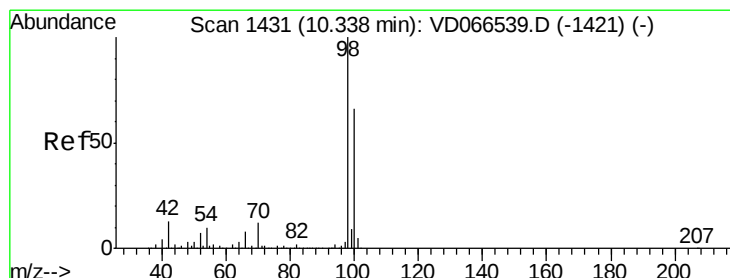
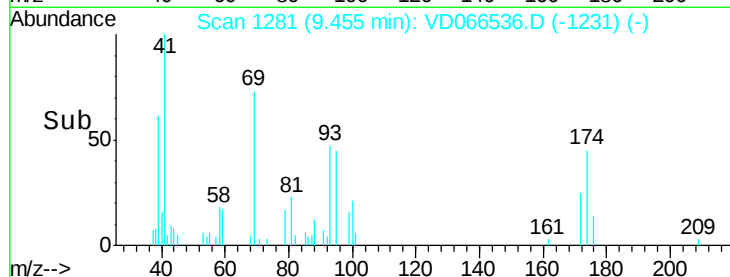
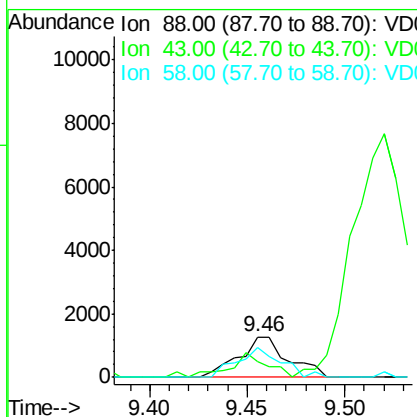
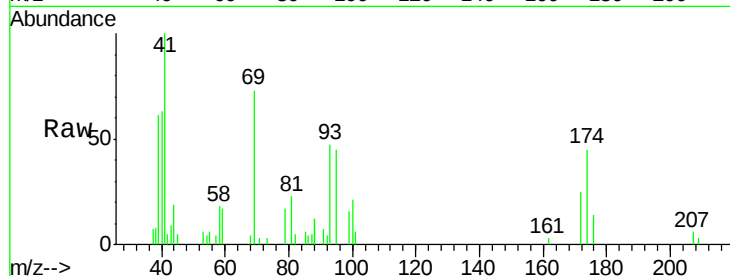
#49  
1,4-Dioxane  
Concen: 99.956 ug/l  
RT: 9.46 min Scan# 1281  
Delta R.T. -0.01 min  
Lab File: VD066536.D  
Acq: 03 Sep 2020 14:35

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC005

| Tot Ion | 88    | Resp  | 2229  |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 88      | 100   |       |       |
| 43      | 48.0  | 28.3  | 42.5# |
| 58      | 65.8  | 56.1  | 84.1  |

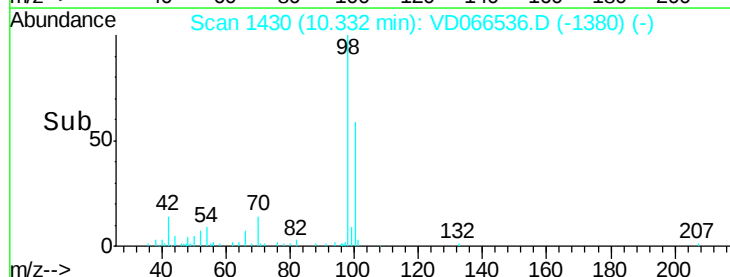
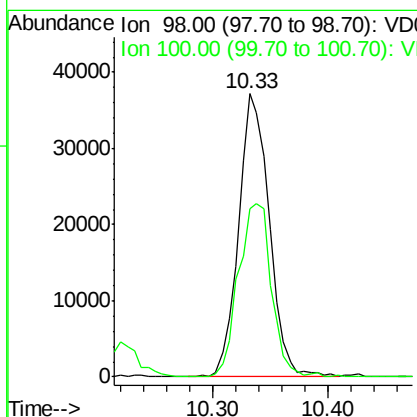
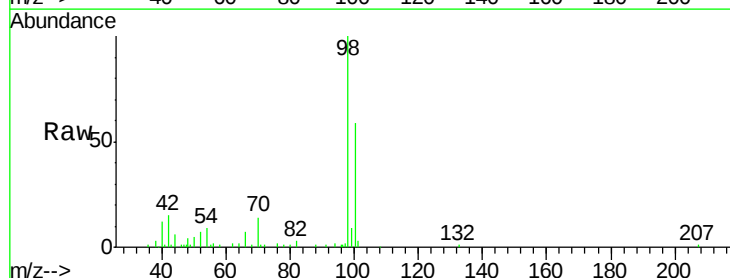
Manual Integrations  
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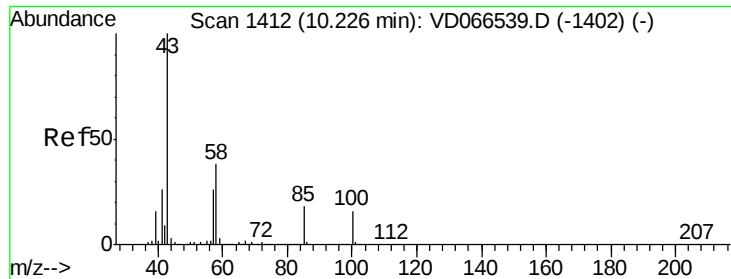
MMDadoda  
9/4/2020 4:54:49 PM



#50  
Toluene-d8  
Concen: 5.337 ug/l  
RT: 10.33 min Scan# 1430  
Delta R.T. -0.01 min  
Lab File: VD066536.D  
Acq: 03 Sep 2020 14:35

| Tgt Ion | 98    | Resp  | 68506 |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 98      | 100   |       |       |
| 100     | 66.0  | 52.9  | 79.3  |





#51

4-Methyl-2-Pentanone

Concen: 32.630 ug/l

RT: 10.23 min Scan# 1412

Delta R.T. -0.00 min

Lab File: VD066536.D

Acq: 03 Sep 2020 14:35

Instrument :

MSVOA\_D

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 51704

Ion Ratio Lower Upper

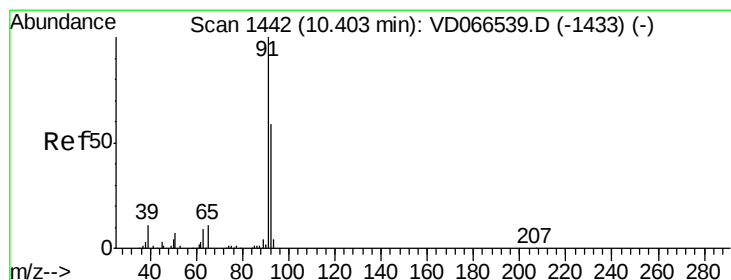
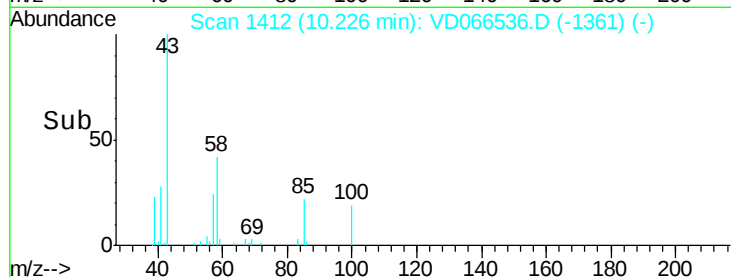
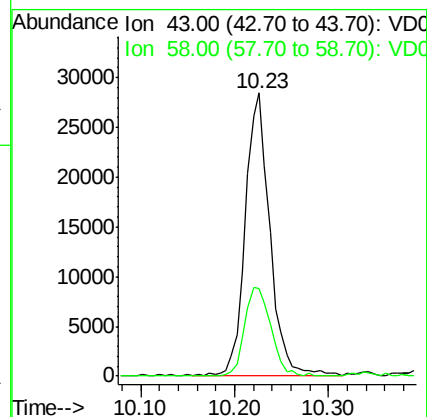
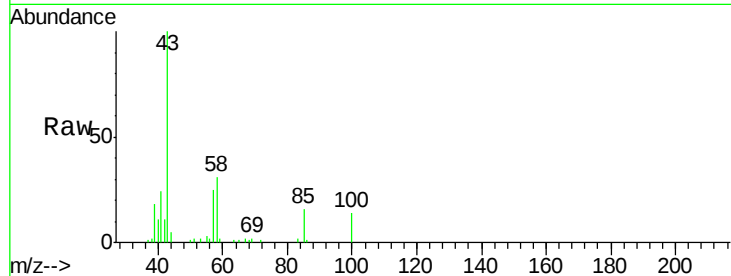
43 100

58 33.5 30.5 45.7

Manual Integrations  
APPROVED

MMDadoda

9/4/2020 4:54:49 PM



#52

Toluene

Concen: 5.167 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VD066536.D

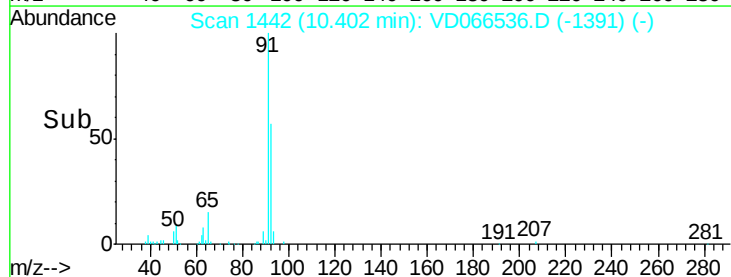
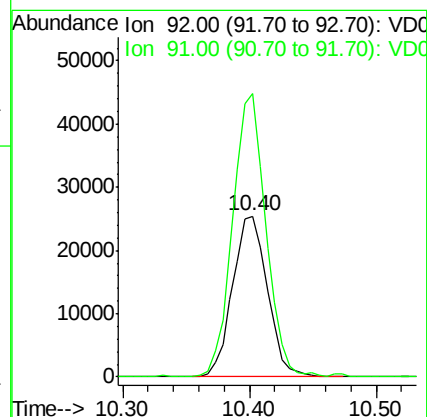
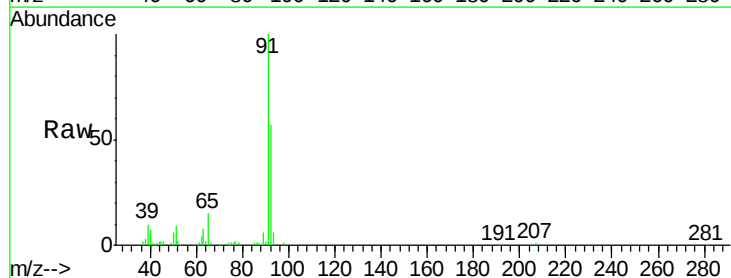
Acq: 03 Sep 2020 14:35

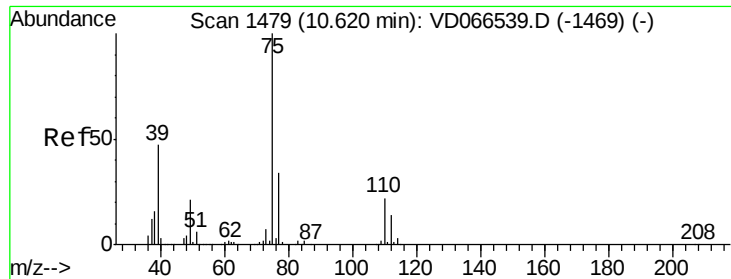
Tgt Ion: 92 Resp: 48334

Ion Ratio Lower Upper

92 100

91 168.0 137.4 206.2





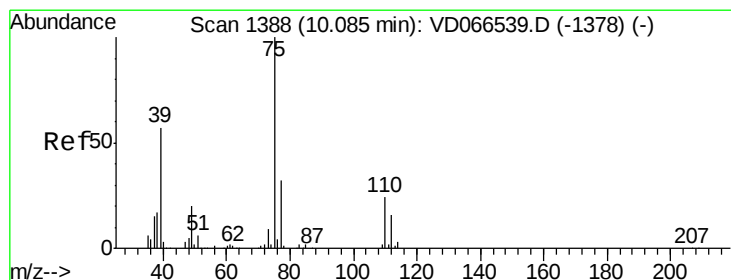
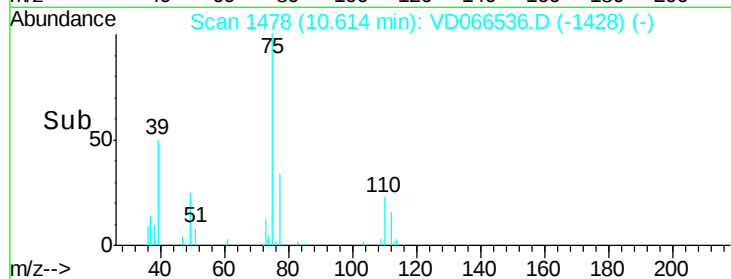
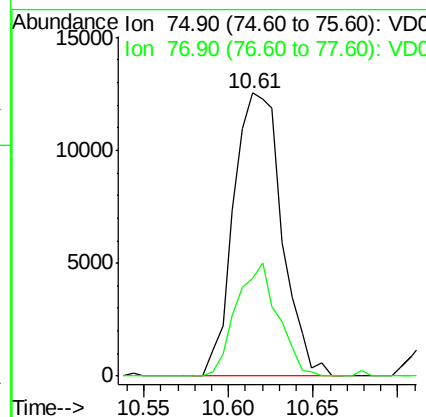
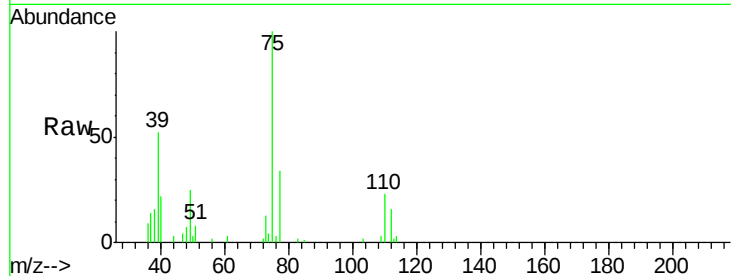
#53  
t-1,3-Dichloropropene  
Concen: 4.866 ug/l  
RT: 10.61 min Scan# 1478  
Delta R.T. -0.01 min  
Lab File: VD066536.D  
Acq: 03 Sep 2020 14:35

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC005

Tot Ion: 75 Resp: 24919  
Ion Ratio Lower Upper  
75 100  
77 34.3 27.4 41.2

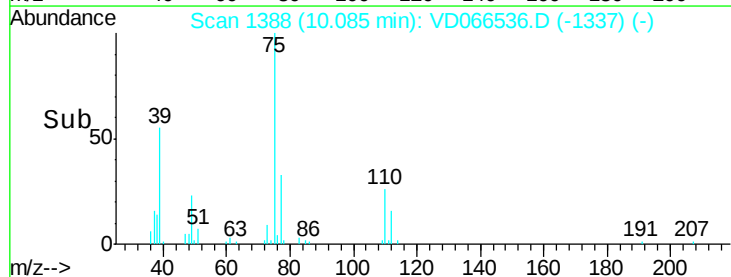
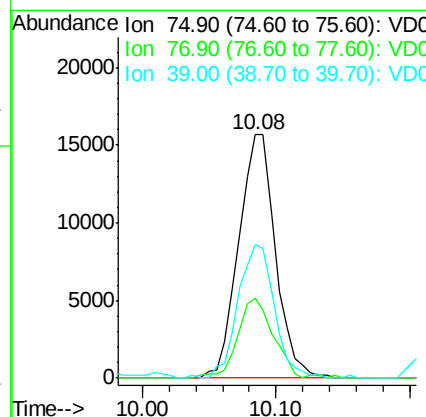
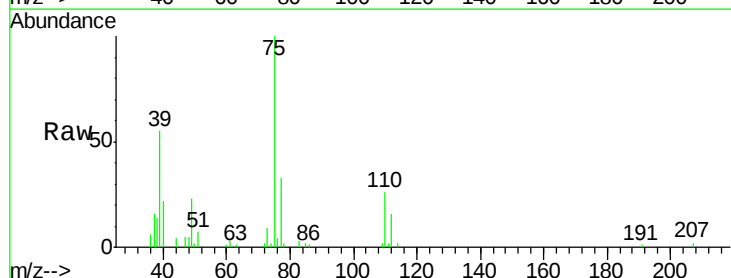
Manual Integrations  
APPROVED

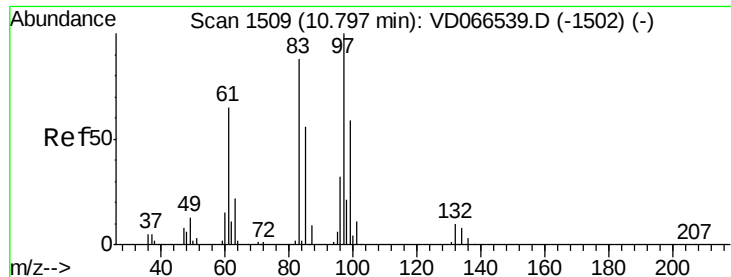
MMDadoda  
9/4/2020 4:54:49 PM



#54  
cis-1,3-Dichloropropene  
Concen: 5.418 ug/l  
RT: 10.08 min Scan# 1388  
Delta R.T. -0.00 min  
Lab File: VD066536.D  
Acq: 03 Sep 2020 14:35

Tgt Ion: 75 Resp: 29949  
Ion Ratio Lower Upper  
75 100  
77 32.9 25.4 38.0  
39 55.0 45.4 68.0





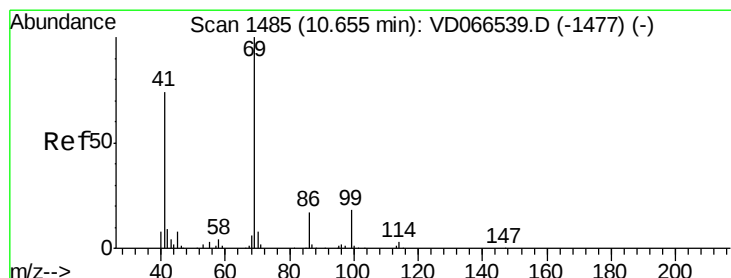
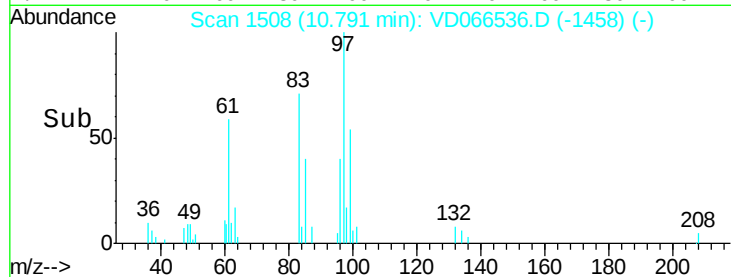
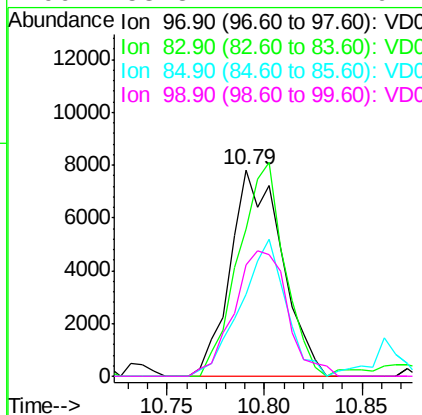
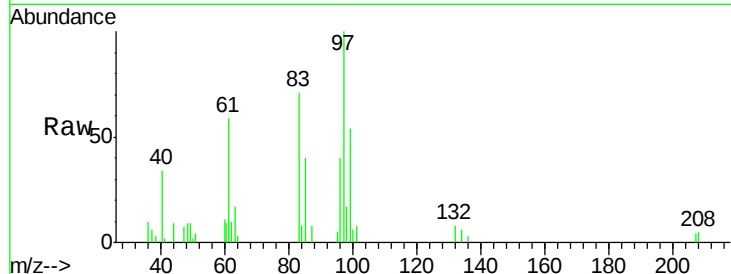
#55  
 1,1,2-Trichloroethane  
 Concen: 5.835 ug/l  
 RT: 10.79 min Scan# 1508  
 Delta R.T. -0.01 min  
 Lab File: VD066536.D  
 Acq: 03 Sep 2020 14:35

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDIC005

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 97    | Resp: | 14234 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 71.5  | 70.1  | 105.1 |
| 85       | 39.9  | 44.5  | 66.7# |
| 99       | 53.8  | 47.1  | 70.7  |

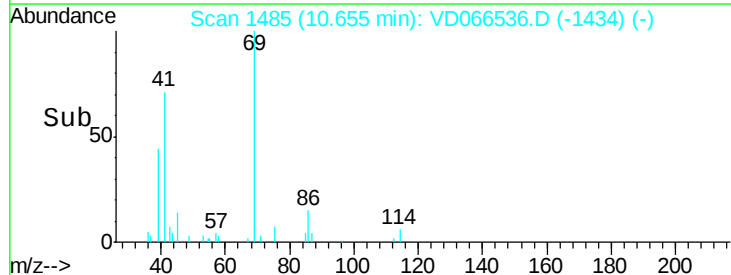
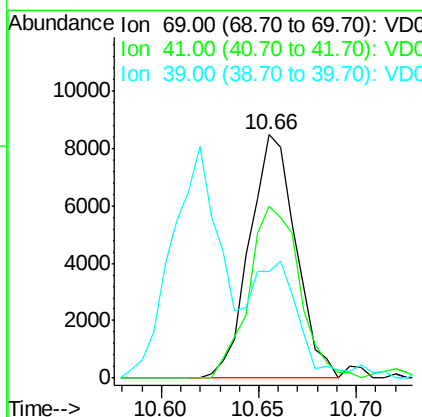
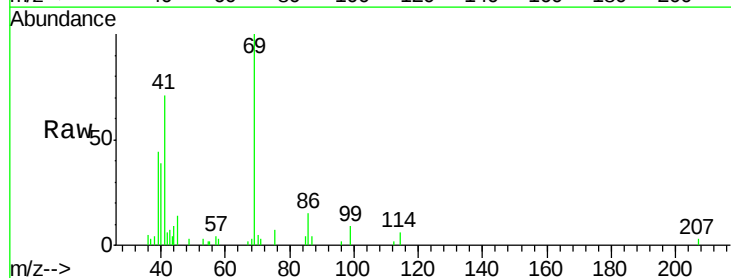
Manual Integrations  
 APPROVED

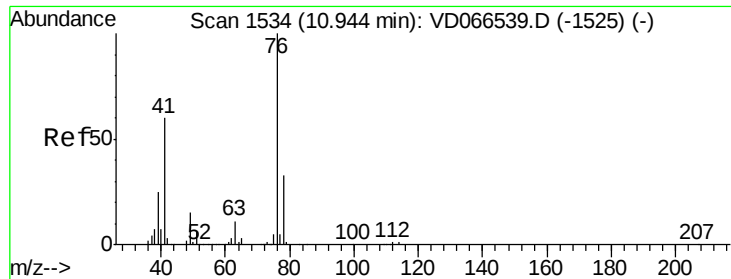
MMDadoda  
 9/4/2020 4:54:49 PM



#56  
 Ethyl methacrylate  
 Concen: 4.776 ug/l  
 RT: 10.66 min Scan# 1485  
 Delta R.T. -0.00 min  
 Lab File: VD066536.D  
 Acq: 03 Sep 2020 14:35

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 69    | Resp: | 13900 |
| Ion      | Ratio | Lower | Upper |
| 69       | 100   |       |       |
| 41       | 77.4  | 56.8  | 85.2  |
| 39       | 39.7  | 30.6  | 46.0  |





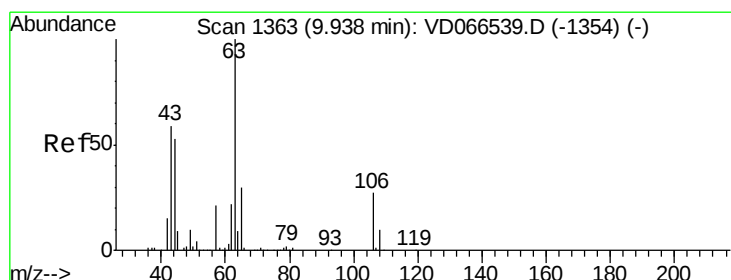
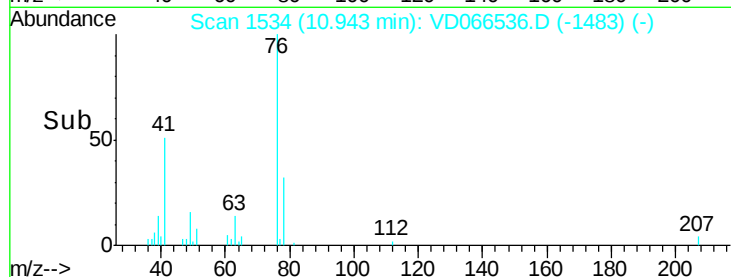
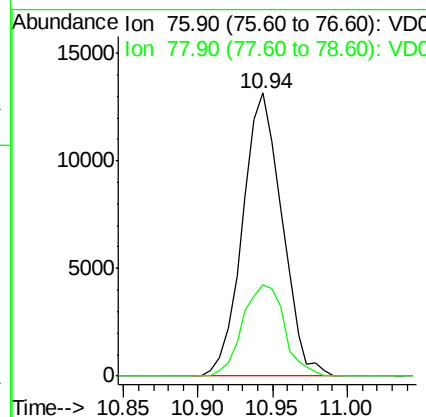
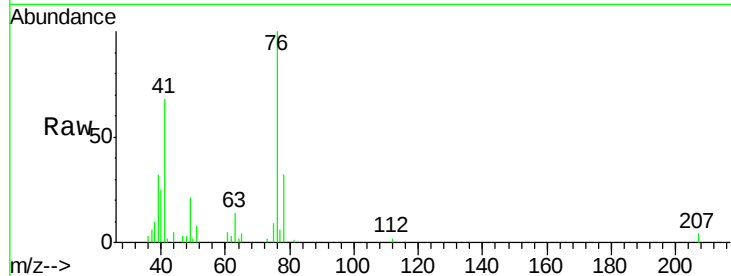
#57  
 1,3-Dichloropropane  
 Concen: 5.876 ug/l  
 RT: 10.94 min Scan# 1534  
 Delta R.T. -0.00 min  
 Lab File: VD066536.D  
 Acq: 03 Sep 2020 14:35

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDIC005

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 34.2  | 25.8  | 38.8  |

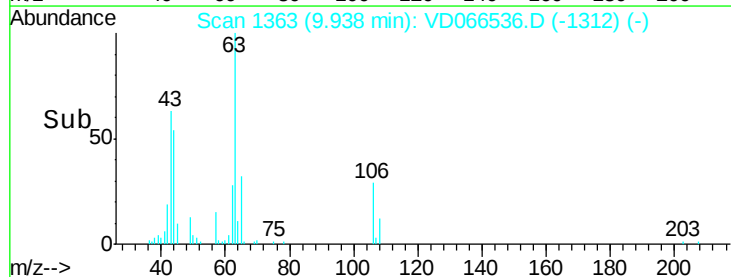
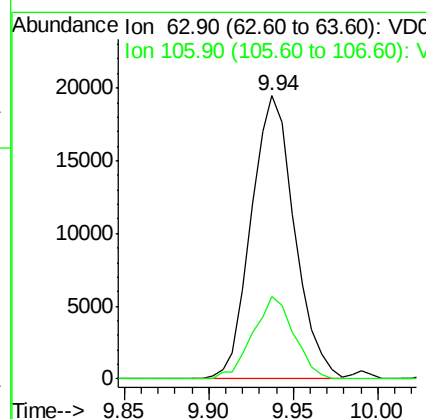
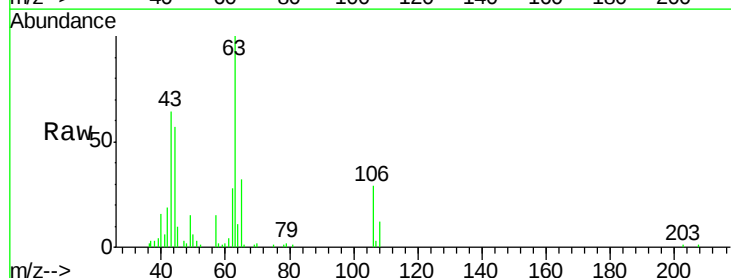
Manual Integrations  
 APPROVED

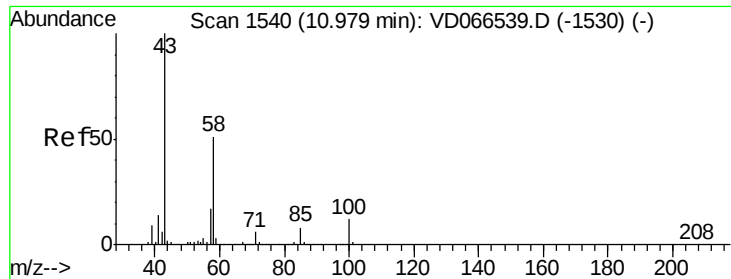
MMDadoda  
 9/4/2020 4:54:49 PM



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 29.699 ug/l  
 RT: 9.94 min Scan# 1363  
 Delta R.T. -0.00 min  
 Lab File: VD066536.D  
 Acq: 03 Sep 2020 14:35

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 106     | 27.6  | 22.0  | 33.0  |





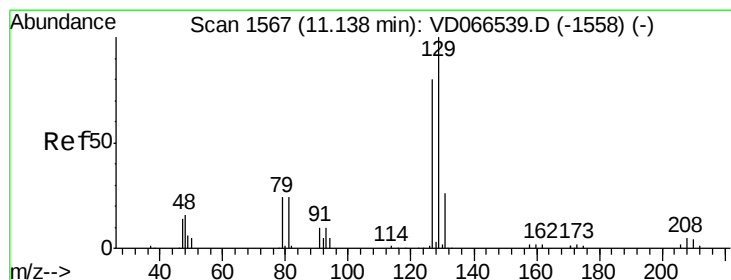
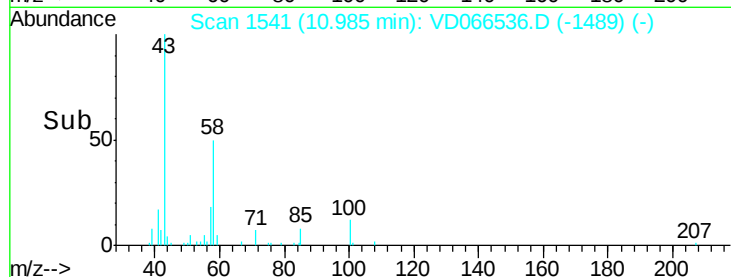
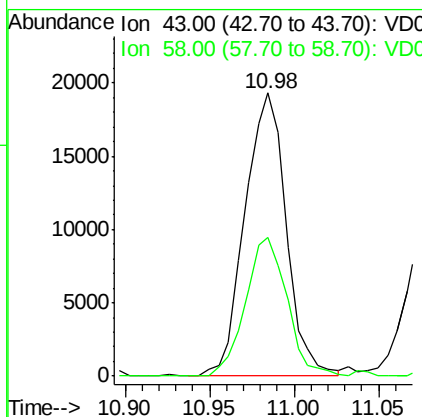
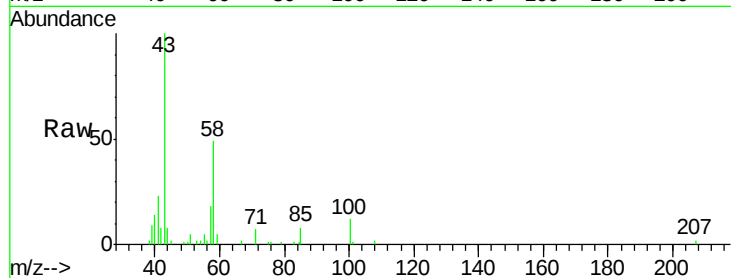
#59  
2-Hexanone  
Concen: 28.881 ug/l  
RT: 10.98 min Scan# 1541  
Delta R.T. 0.01 min  
Lab File: VD066536.D  
Acq: 03 Sep 2020 14:35

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC005

Tot Ion: 43 Resp: 32831  
Ion Ratio Lower Upper  
43 100  
58 49.4 25.6 76.8

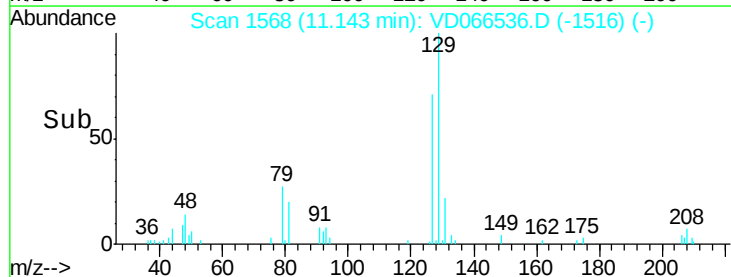
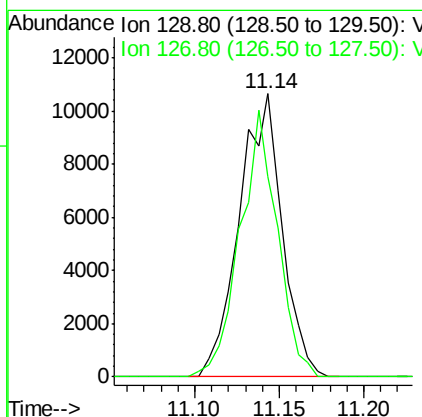
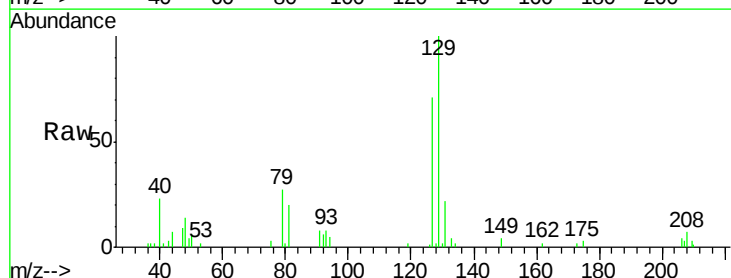
Manual Integrations  
APPROVED

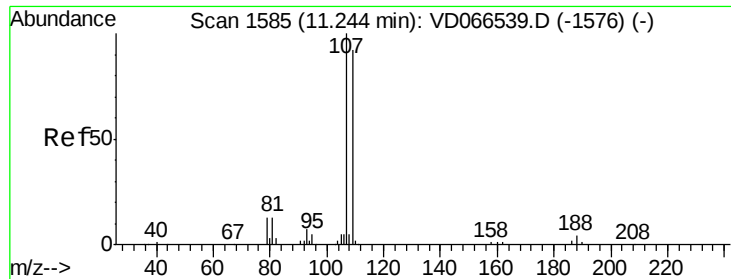
MMDadoda  
9/4/2020 4:54:49 PM



#60  
Dibromochloromethane  
Concen: 4.832 ug/l  
RT: 11.14 min Scan# 1568  
Delta R.T. 0.01 min  
Lab File: VD066536.D  
Acq: 03 Sep 2020 14:35

Tgt Ion: 129 Resp: 18784  
Ion Ratio Lower Upper  
129 100  
127 82.0 39.5 118.3





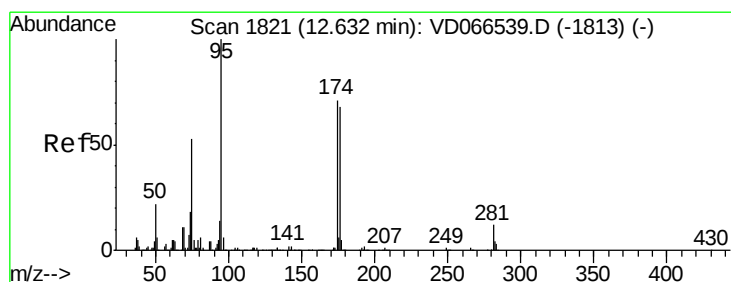
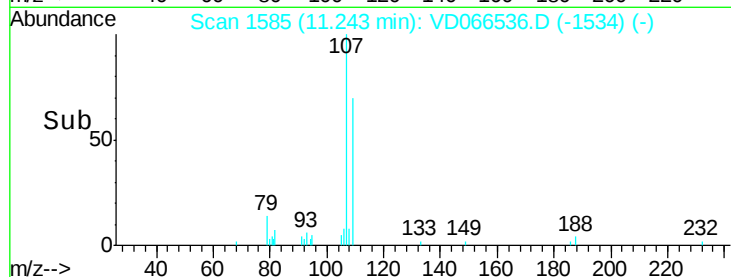
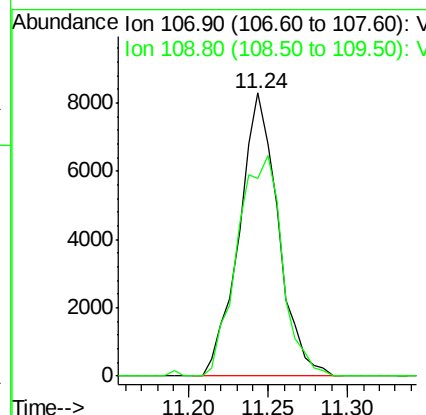
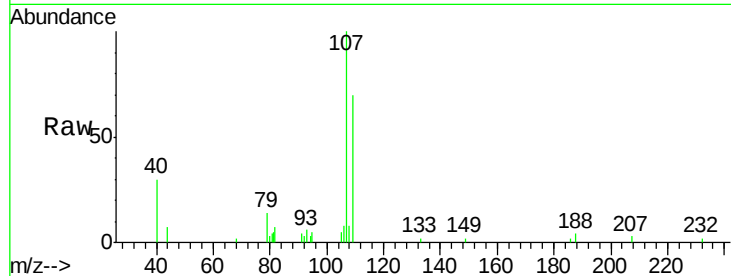
#61  
 1,2-Dibromoethane  
 Concen: 5.706 ug/l  
 RT: 11.24 min Scan# 1585  
 Delta R.T. -0.00 min  
 Lab File: VD066536.D  
 Acq: 03 Sep 2020 14:35

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDIC005

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 109     | 89.6  | 74.4  | 111.6 |

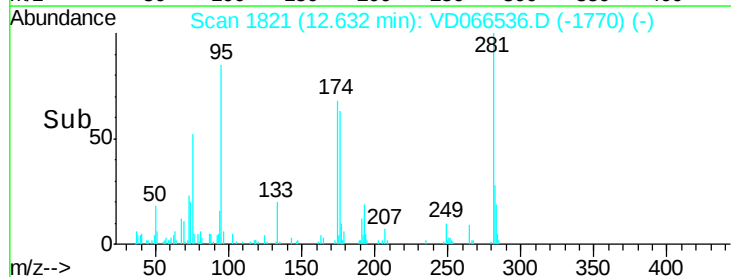
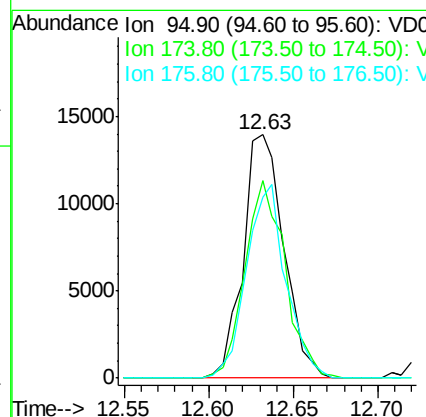
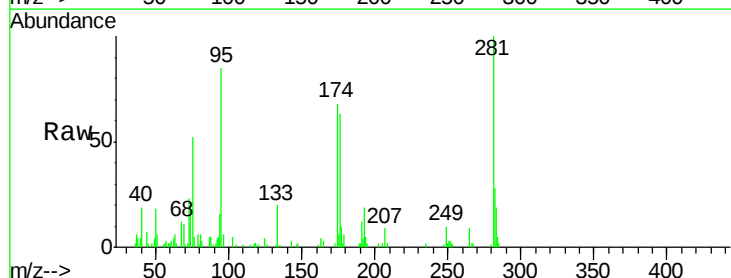
Manual Integrations  
 APPROVED

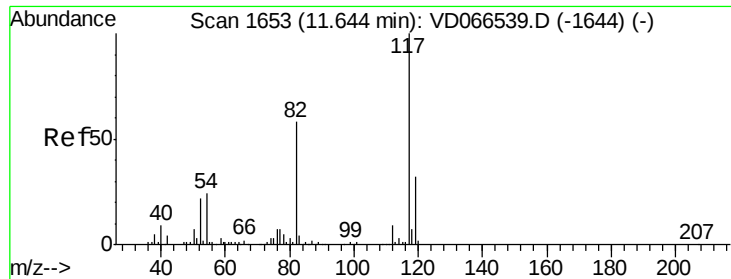
MMDadoda  
 9/4/2020 4:54:49 PM



#62  
 4-Bromofluorobenzene  
 Concen: 5.105 ug/l  
 RT: 12.63 min Scan# 1821  
 Delta R.T. -0.00 min  
 Lab File: VD066536.D  
 Acq: 03 Sep 2020 14:35

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 95      | 100   |       |       |
| 174     | 80.5  | 0.0   | 155.8 |
| 176     | 77.3  | 0.0   | 148.6 |





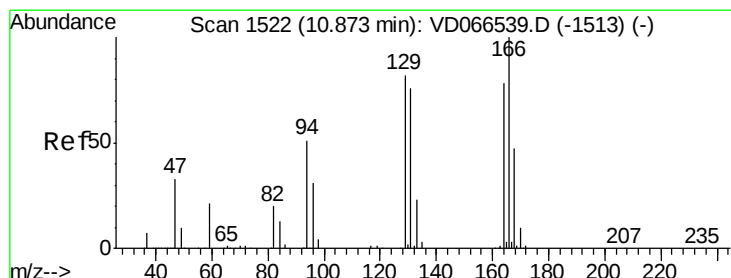
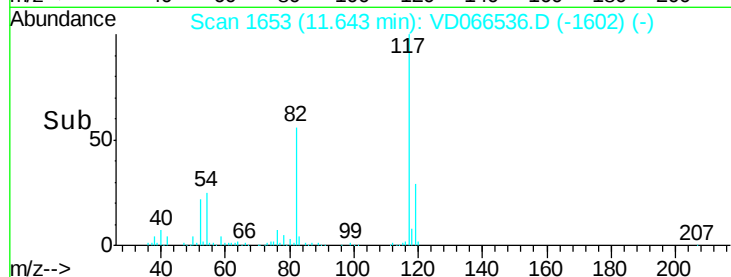
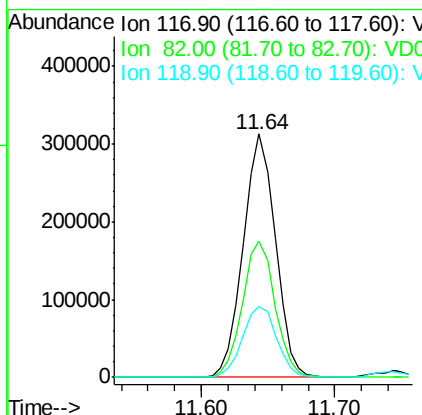
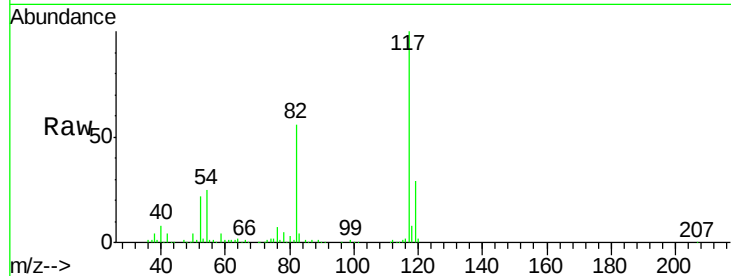
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.64 min Scan# 1653  
Delta R.T. -0.00 min  
Lab File: VD066536.D  
Acq: 03 Sep 2020 14:35

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC005

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 55.9  | 46.2  | 69.2  |
| 119     | 29.1  | 25.8  | 38.8  |

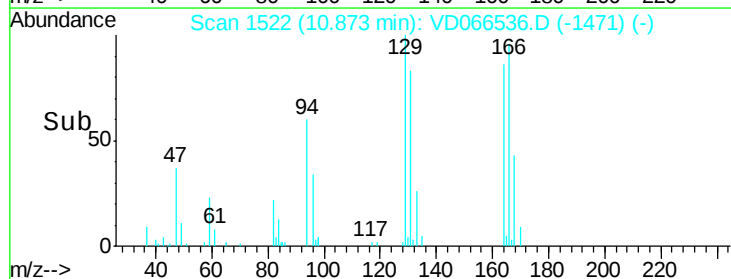
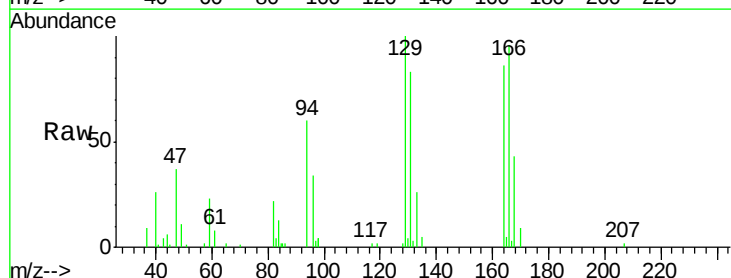
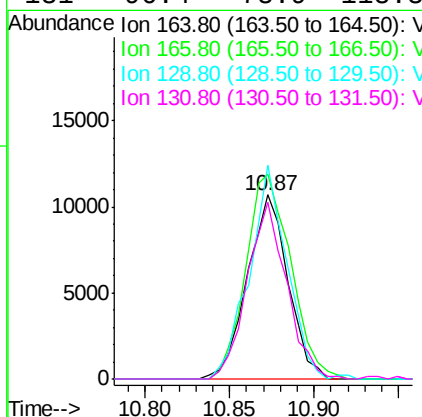
Manual Integrations  
APPROVED

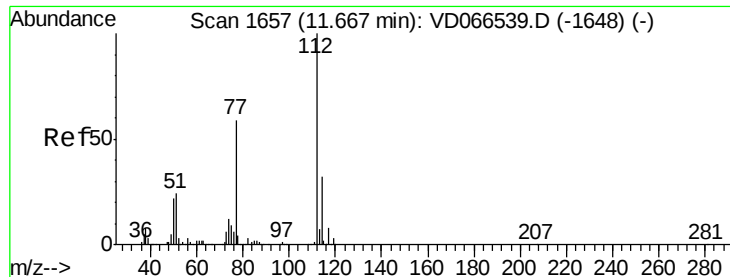
MMDadoda  
9/4/2020 4:54:49 PM



#64  
Tetrachloroethene  
Concen: 4.528 ug/l  
RT: 10.87 min Scan# 1522  
Delta R.T. -0.00 min  
Lab File: VD066536.D  
Acq: 03 Sep 2020 14:35

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 166     | 111.7 | 103.2 | 154.8 |
| 129     | 116.2 | 84.5  | 126.7 |
| 131     | 96.4  | 78.9  | 118.3 |





#65

Chlorobenzene

Concen: 5.206 ug/l

RT: 11.67 min Scan# 1658

Delta R.T. 0.01 min

Lab File: VD066536.D

Acq: 03 Sep 2020 14:35

Instrument :

MSVOA\_D

ClientSampleId :

VSTDIC005

Tot Ion:112 Resp: 53442

Ion Ratio Lower Upper

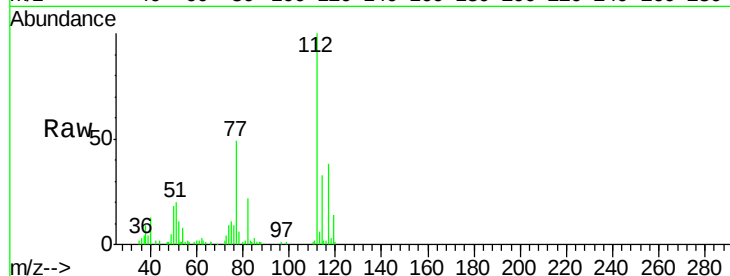
112 100

114 33.3 25.7 38.5

Manual Integrations  
APPROVED

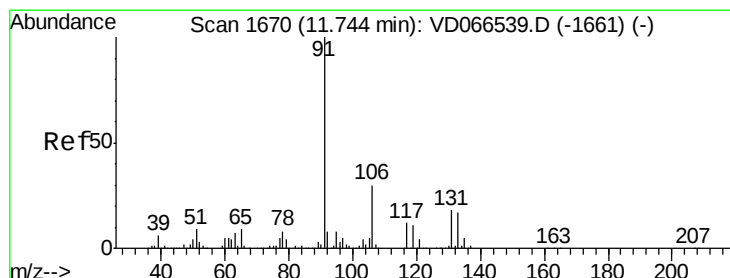
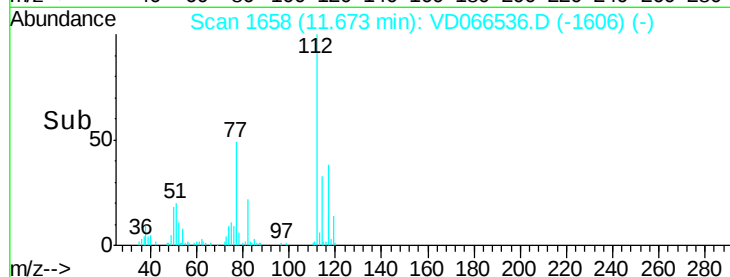
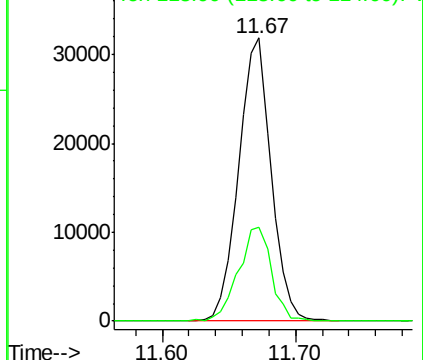
MMDadoda

9/4/2020 4:54:49 PM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 4.824 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. -0.00 min

Lab File: VD066536.D

Acq: 03 Sep 2020 14:35

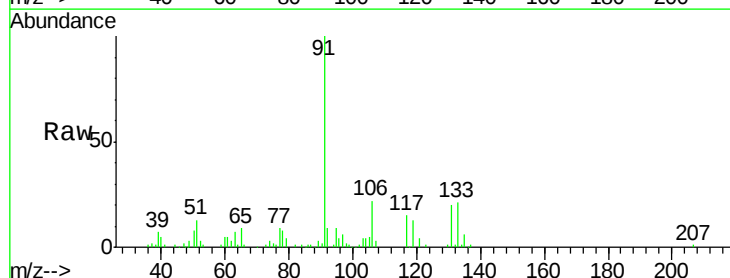
Tgt Ion:131 Resp: 20626

Ion Ratio Lower Upper

131 100

133 92.9 46.7 140.0

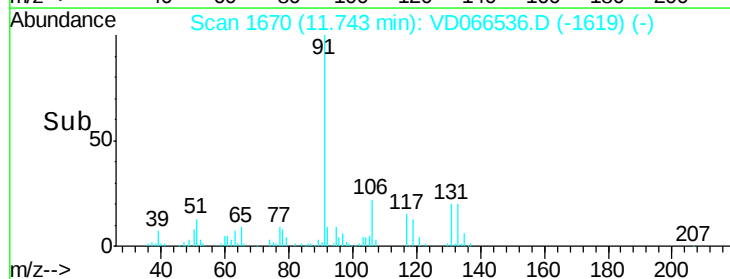
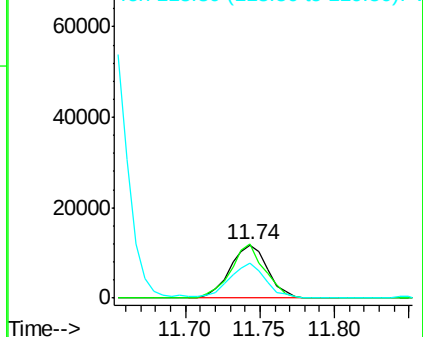
119 64.1 31.9 95.7

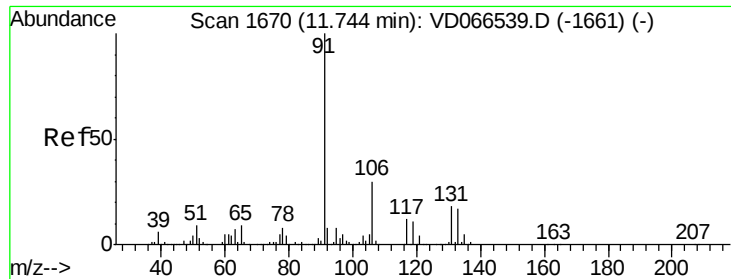


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





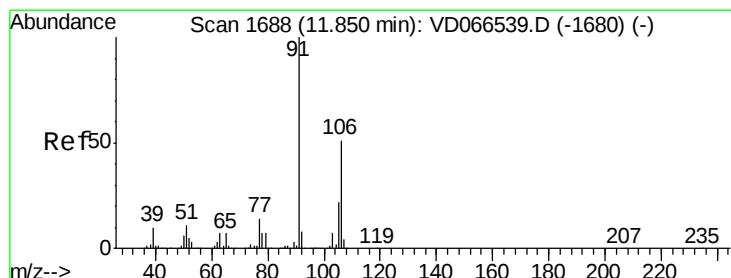
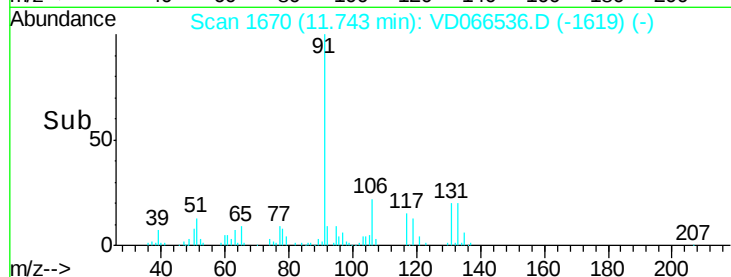
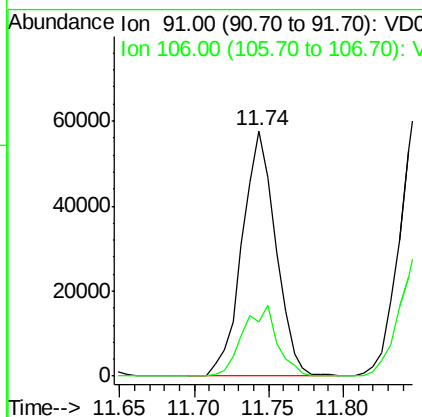
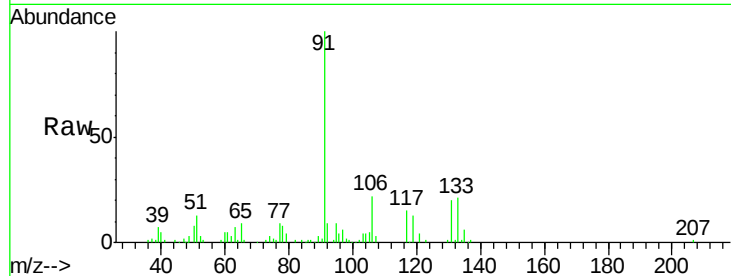
#67  
Ethyl Benzene  
Concen: 4.930 ug/l  
RT: 11.74 min Scan# 1670  
Delta R.T. -0.00 min  
Lab File: VD066536.D  
Acq: 03 Sep 2020 14:35

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC005

Tot Ion: 91 Resp: 90097  
Ion Ratio Lower Upper  
91 100  
106 22.3 24.3 36.5#

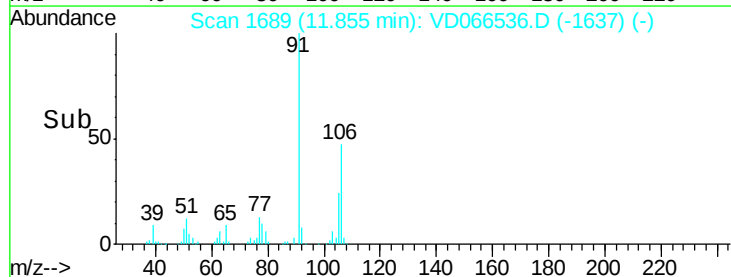
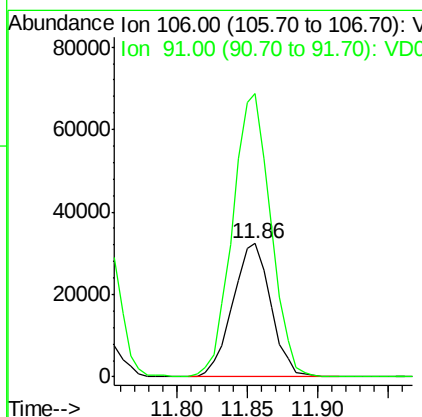
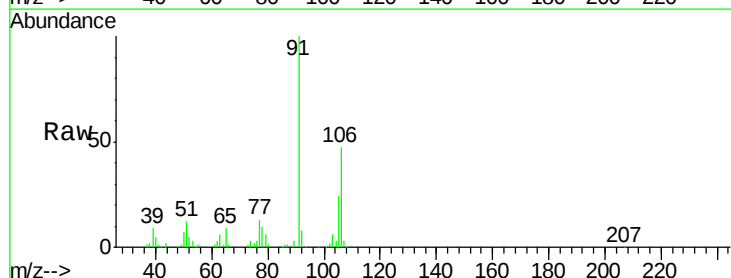
Manual Integrations  
APPROVED

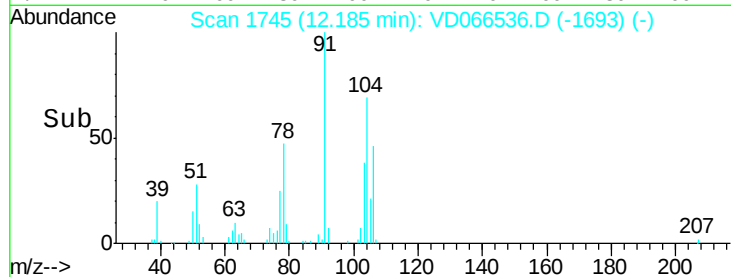
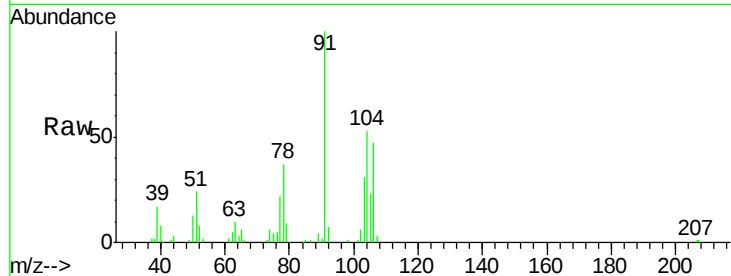
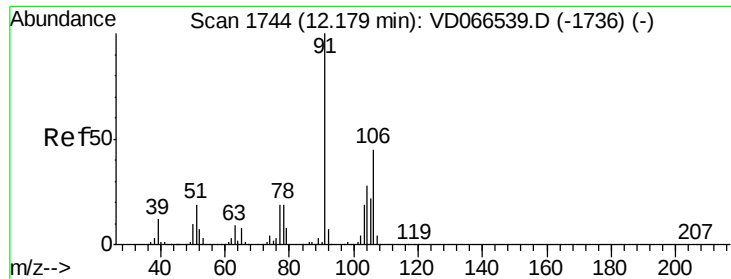
MMDadoda  
9/4/2020 4:54:49 PM



#68  
m/p-Xylenes  
Concen: 8.634 ug/l  
RT: 11.86 min Scan# 1689  
Delta R.T. 0.01 min  
Lab File: VD066536.D  
Acq: 03 Sep 2020 14:35

Tgt Ion: 106 Resp: 60949  
Ion Ratio Lower Upper  
106 100  
91 213.2 162.4 243.6





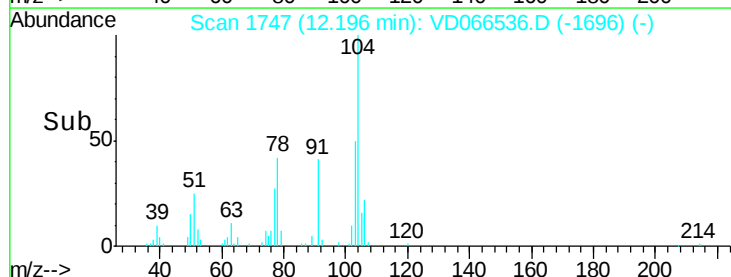
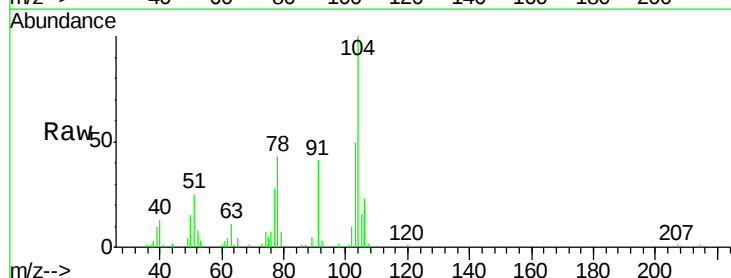
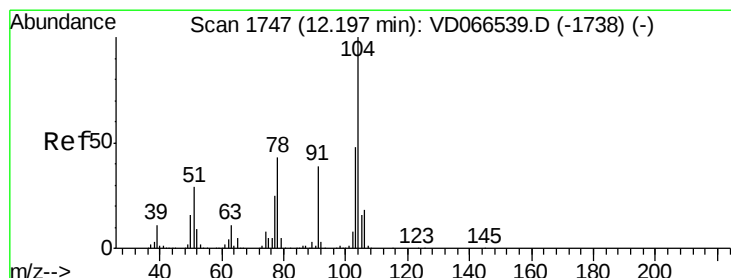
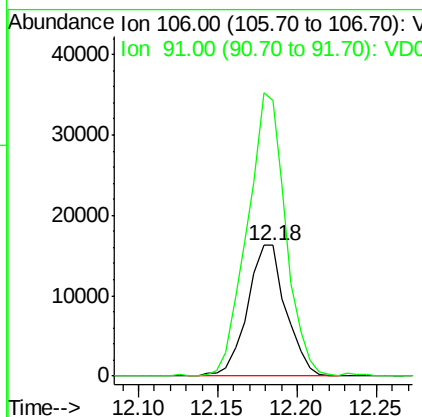
#69  
o-Xylene  
Concen: 4.116 ug/l  
RT: 12.18 min Scan# 1745  
Delta R.T. 0.01 min  
Lab File: VD066536.D  
Acq: 03 Sep 2020 14:35

Tot Ion:106 Resp: 27351  
Ion Ratio Lower Upper  
106 100  
91 216.4 107.9 323.8

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC005

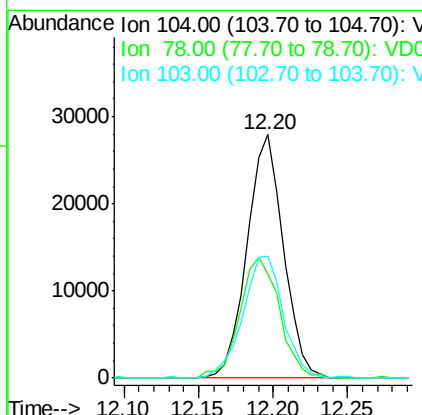
Manual Integrations  
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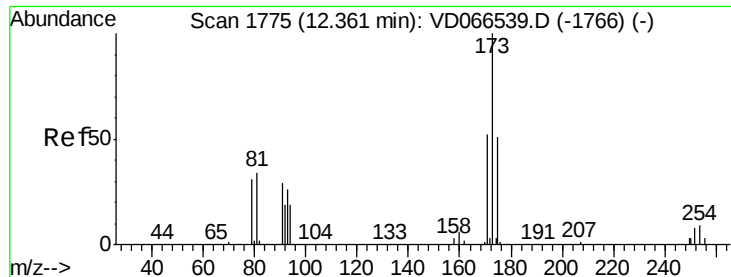
MMDadoda  
9/4/2020 4:54:49 PM



#70  
Styrene  
Concen: 4.132 ug/l  
RT: 12.20 min Scan# 1747  
Delta R.T. -0.00 min  
Lab File: VD066536.D  
Acq: 03 Sep 2020 14:35

Tgt Ion:104 Resp: 47038  
Ion Ratio Lower Upper  
104 100  
78 54.4 40.7 61.1  
103 55.6 42.9 64.3





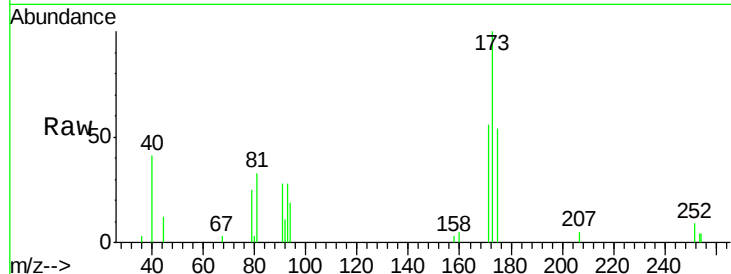
#71  
Bromoform  
Concen: 4.330 ug/l  
RT: 12.36 min Scan# 1775  
Delta R.T. -0.00 min  
Lab File: VD066536.D  
Acq: 03 Sep 2020 14:35

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC005

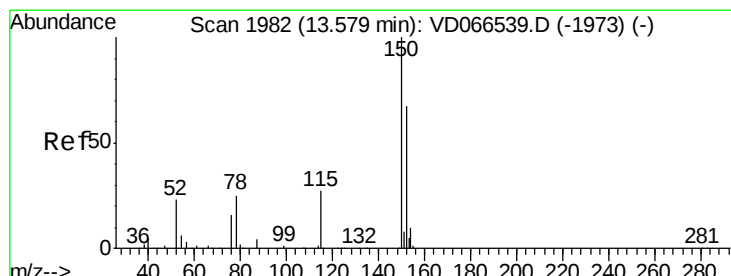
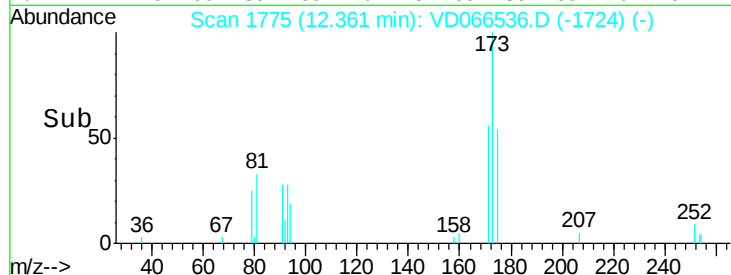
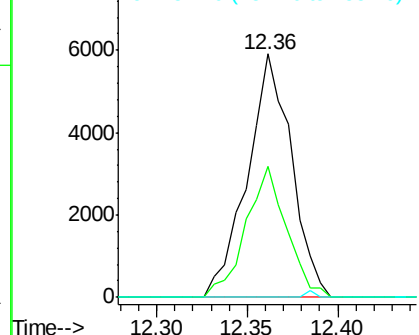
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 173     | 100   |       |       |
| 175     | 49.7  | 24.2  | 72.6  |
| 254     | 0.0   | 0.0   | 0.0   |

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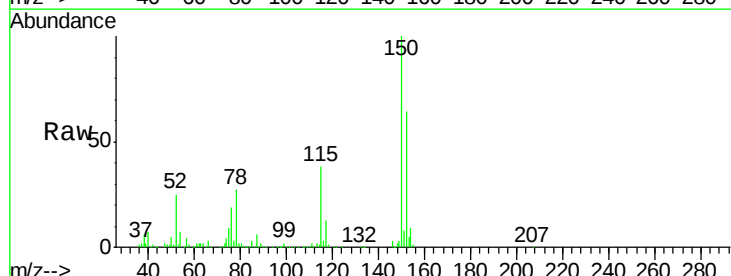


Abundance Ion 172.70 (172.40 to 173.40): V  
Ion 174.70 (174.40 to 175.40): V  
Ion 254.40 (254.10 to 255.10): V

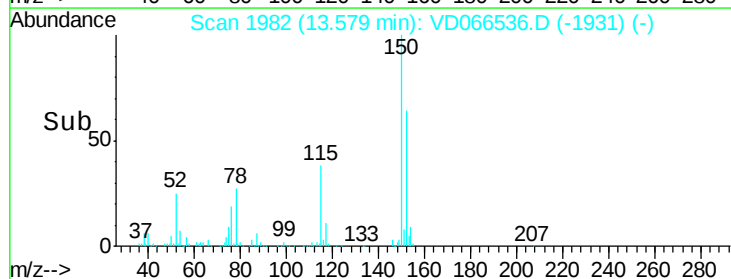
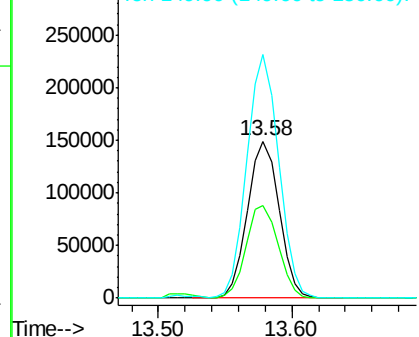


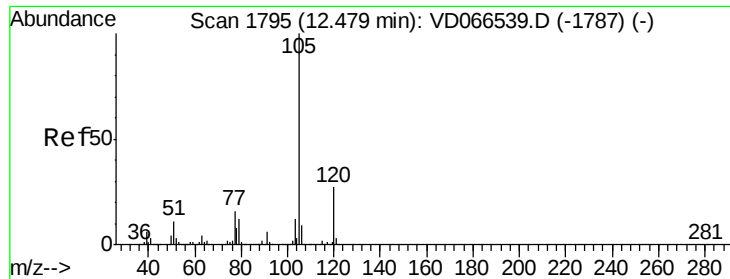
#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.58 min Scan# 1982  
Delta R.T. -0.00 min  
Lab File: VD066536.D  
Acq: 03 Sep 2020 14:35

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 60.1  | 30.4  | 91.2  |
| 150     | 156.9 | 0.0   | 345.8 |



Abundance Ion 151.90 (151.60 to 152.60): V  
Ion 114.90 (114.60 to 115.60): V  
Ion 149.90 (149.60 to 150.60): V





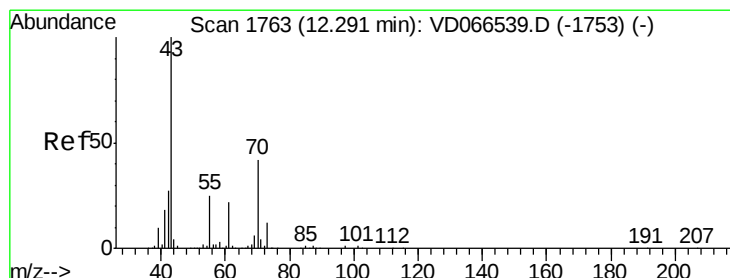
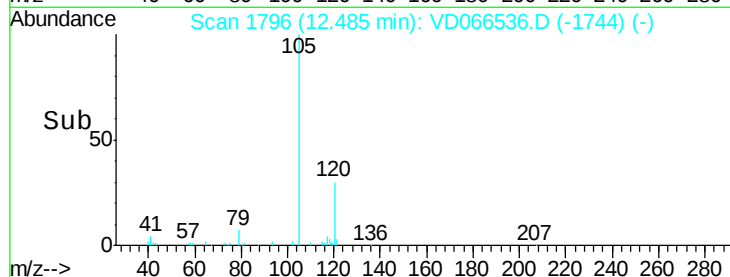
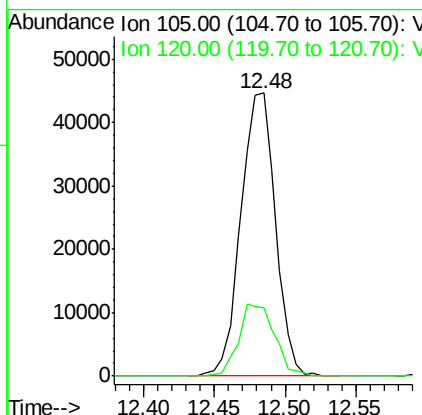
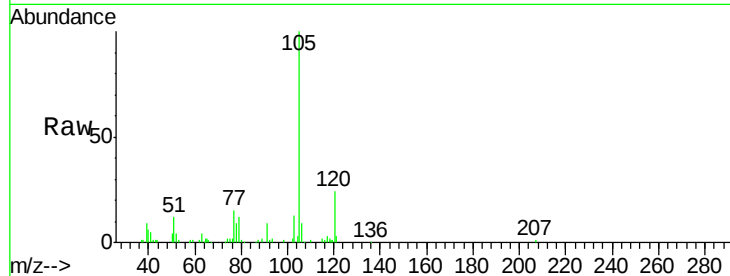
#73  
Isopropylbenzene  
Concen: 4.631 ug/l  
RT: 12.48 min Scan# 1796  
Delta R.T. 0.01 min  
Lab File: VD066536.D  
Acq: 03 Sep 2020 14:35

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC005

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 26.3  | 13.0  | 39.0  |

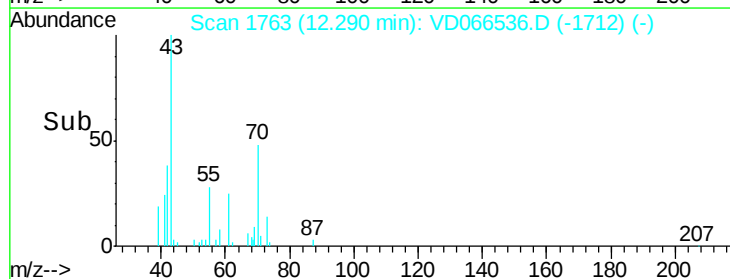
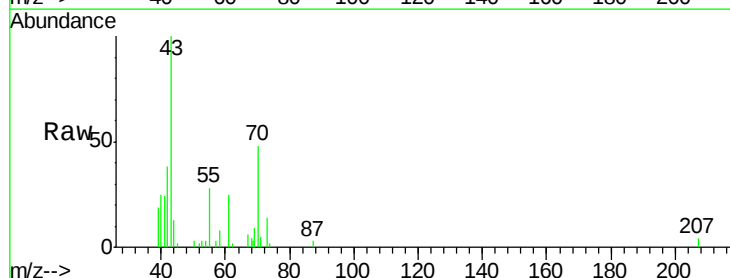
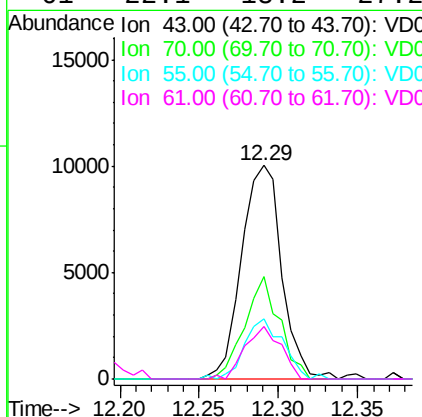
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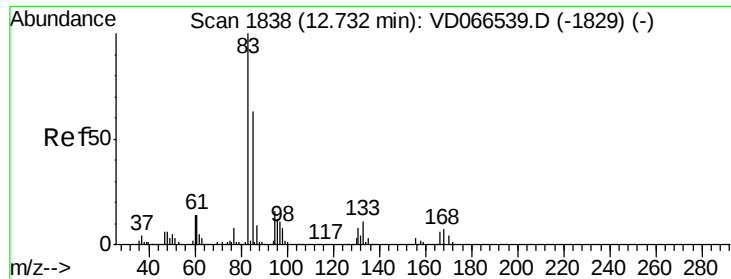
MMDadoda  
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#74  
N-ethyl acetate  
Concen: 6.474 ug/l  
RT: 12.29 min Scan# 1763  
Delta R.T. -0.00 min  
Lab File: VD066536.D  
Acq: 03 Sep 2020 14:35

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 70      | 41.6  | 33.4  | 50.2  |
| 55      | 27.2  | 20.1  | 30.1  |
| 61      | 22.1  | 18.2  | 27.2  |





#75

1,1,2,2-Tetrachloroethane

Concen: 7.580 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.00 min

Lab File: VD066536.D

Acq: 03 Sep 2020 14:35

Instrument :

MSVOA\_D

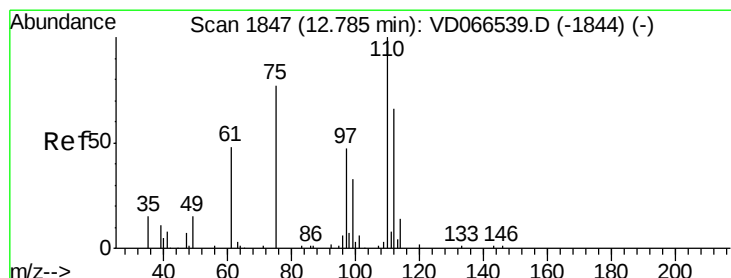
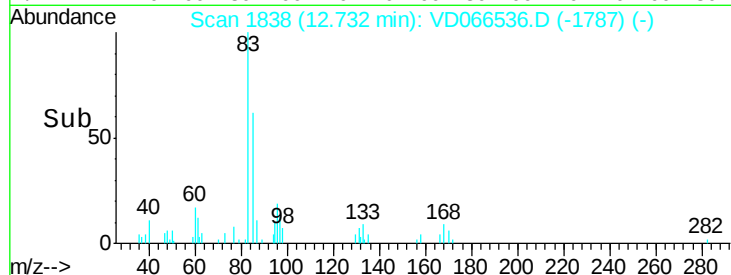
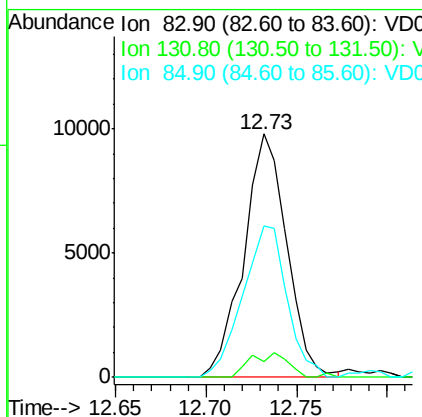
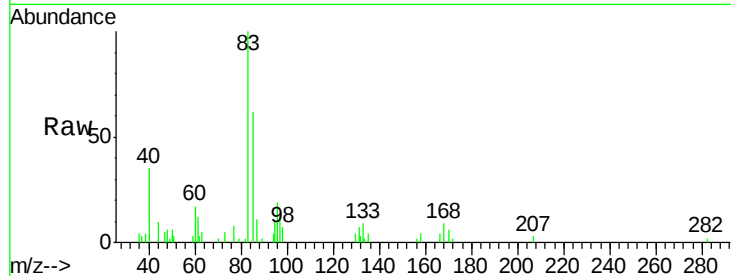
ClientSampleId :

VSTDIC005

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 83    | Resp: | 16141 |
| Ion Ratio | Lower | Upper |       |
| 83        | 100   |       |       |
| 131       | 8.8   | 5.0   | 15.0  |
| 85        | 63.9  | 32.1  | 96.3  |

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#76

1,2,3-Trichloropropane

Concen: 7.429 ug/l m

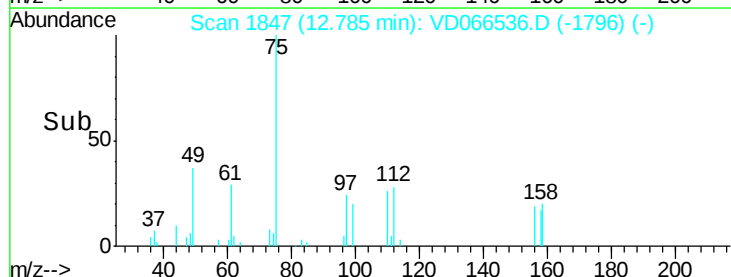
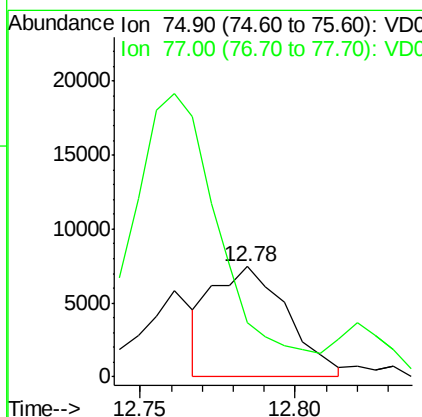
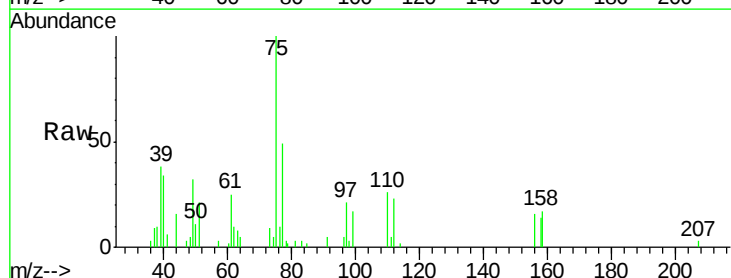
RT: 12.78 min Scan# 1847

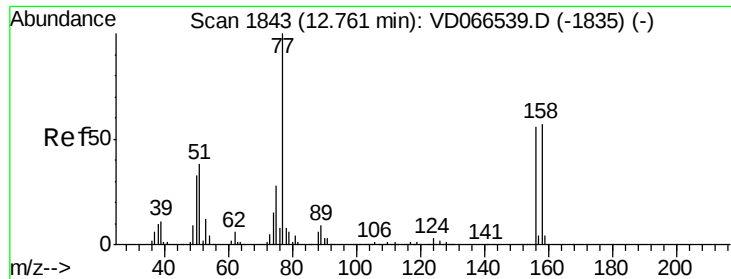
Delta R.T. -0.00 min

Lab File: VD066536.D

Acq: 03 Sep 2020 14:35

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 12539 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 77        | 0.0   | 0.0   | 0.0   |





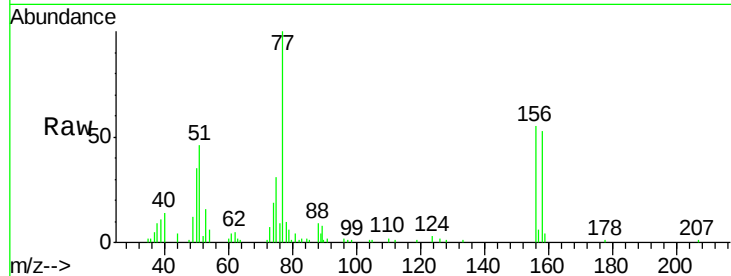
#77  
Bromobenzene  
Concen: 4.689 ug/l  
RT: 12.76 min Scan# 1843  
Delta R.T. -0.00 min  
Lab File: VD066536.D  
Acq: 03 Sep 2020 14:35

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC005

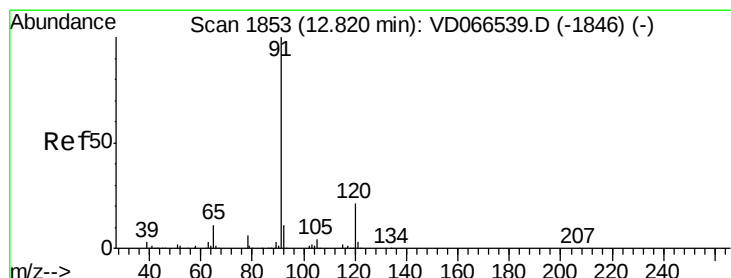
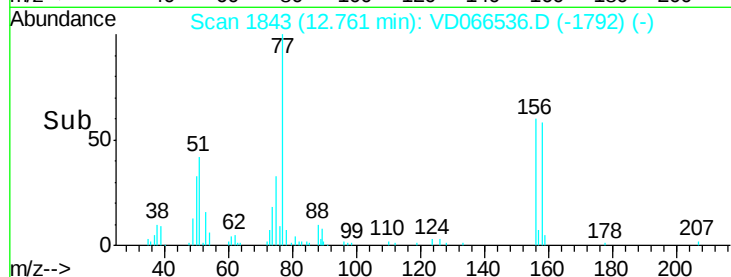
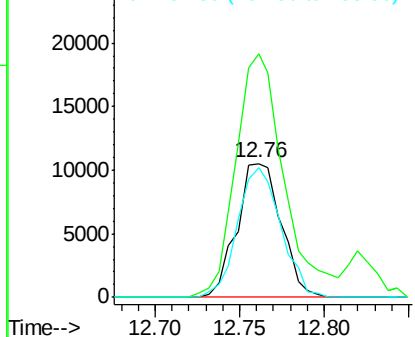
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 156     | 100   |       |       |
| 77      | 198.3 | 98.0  | 294.1 |
| 158     | 94.8  | 48.1  | 144.3 |

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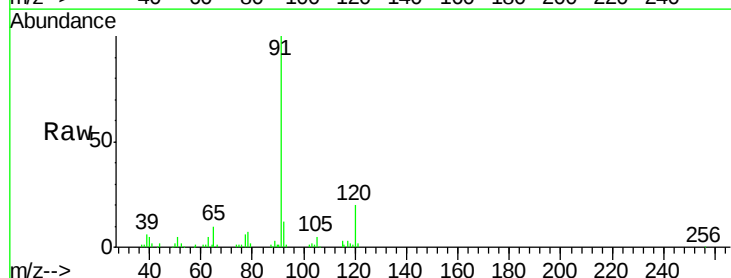


Abundance Ion 155.80 (155.50 to 156.50): V  
Ion 77.00 (76.70 to 77.70): VDC  
Ion 157.80 (157.50 to 158.50): V

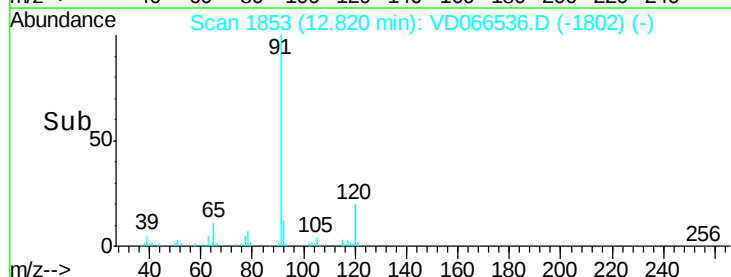
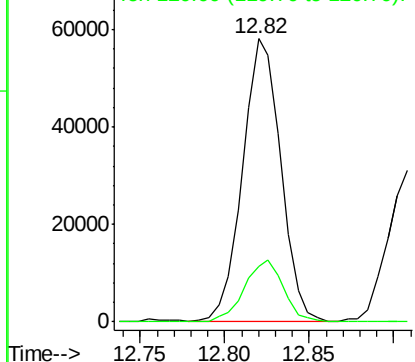


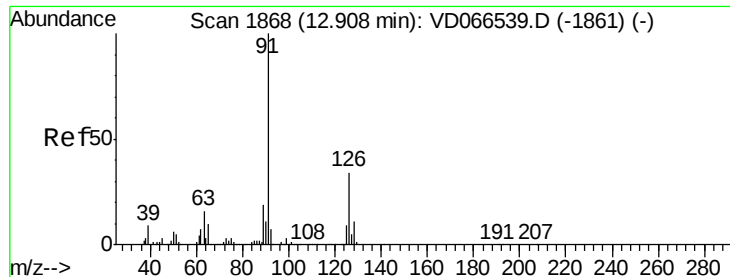
#78  
n-propylbenzene  
Concen: 4.972 ug/l  
RT: 12.82 min Scan# 1853  
Delta R.T. -0.00 min  
Lab File: VD066536.D  
Acq: 03 Sep 2020 14:35

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 120     | 22.1  | 11.1  | 33.1  |



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





#79

2-Chlorotoluene

Concen: 5.000 ug/l

RT: 12.91 min Scan# 1868

Delta R.T. -0.00 min

Lab File: VD066536.D

Acq: 03 Sep 2020 14:35

Instrument :

MSVOA\_D

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 52804

Ion Ratio Lower Upper

91 100

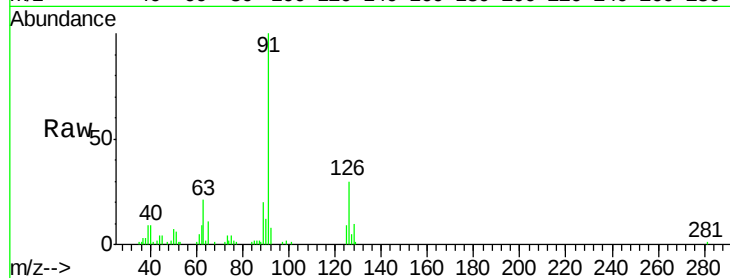
126 33.6 16.4 49.4

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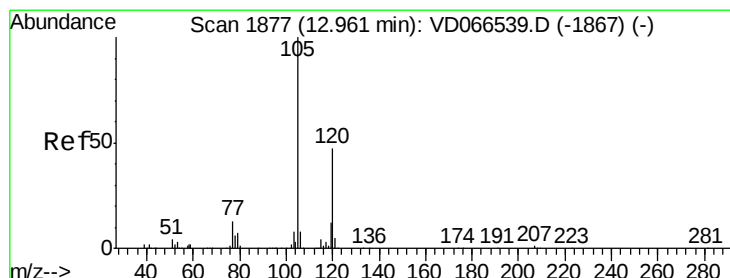
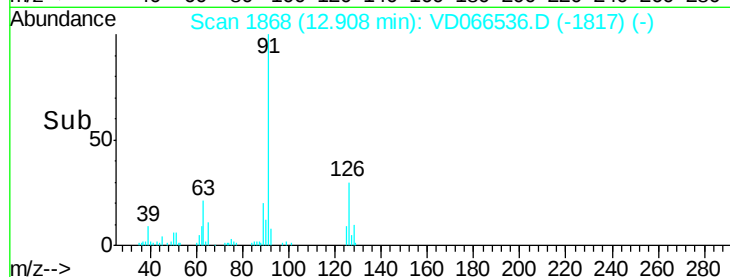
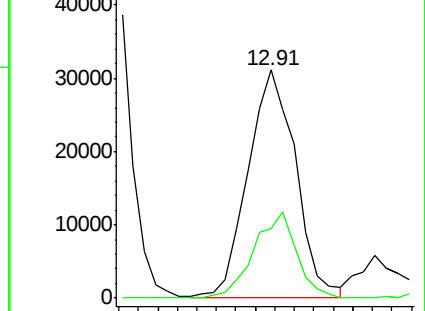
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Abundance Ion 91.00 (90.70 to 91.70): VD066536.D (-1861) (-)

Ion 125.90 (125.60 to 126.60): VD066536.D (-1861) (-)



#80

1,3,5-Trimethylbenzene

Concen: 4.295 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VD066536.D

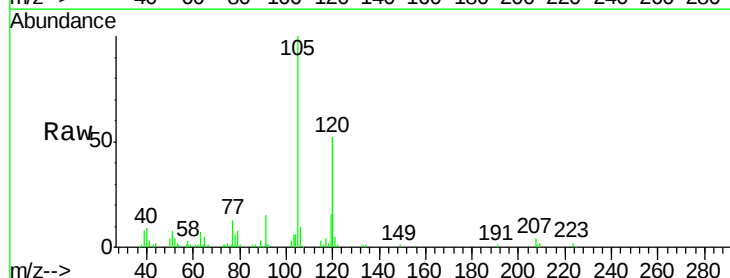
Acq: 03 Sep 2020 14:35

Tgt Ion: 105 Resp: 61626

Ion Ratio Lower Upper

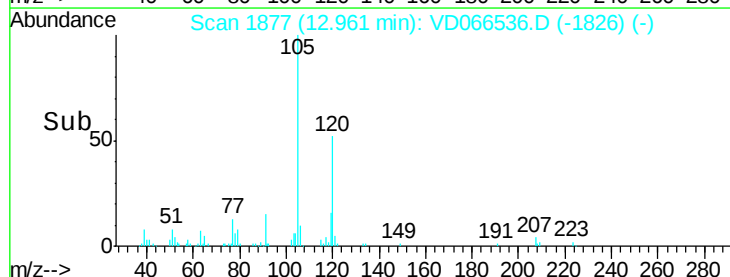
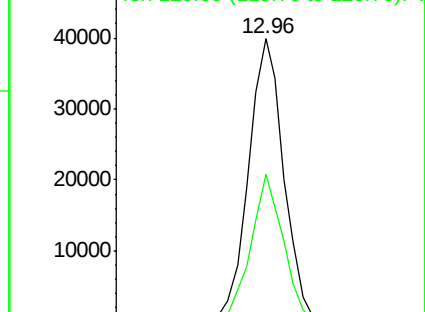
105 100

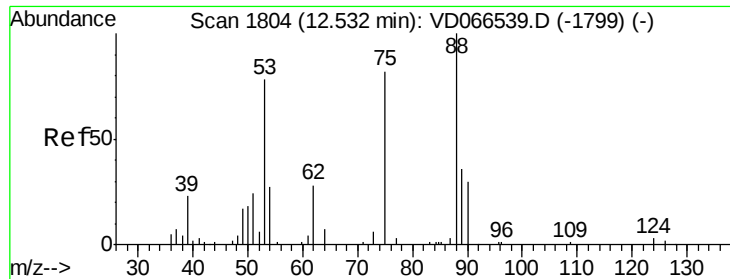
120 48.4 23.9 71.8



Abundance Ion 105.00 (104.70 to 105.70): VD066536.D (-1826) (-)

Ion 120.00 (119.70 to 120.70): VD066536.D (-1826) (-)





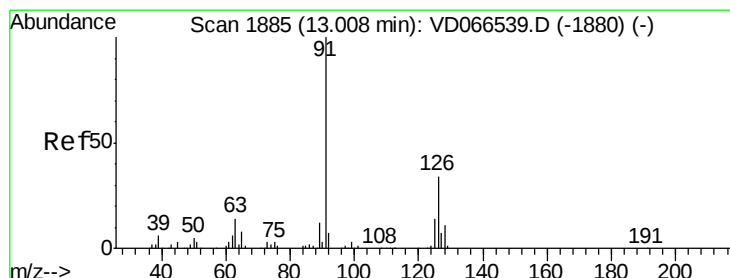
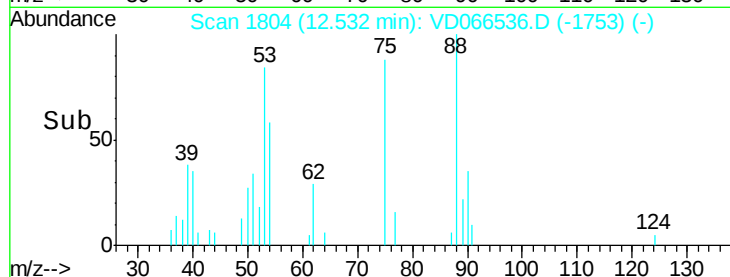
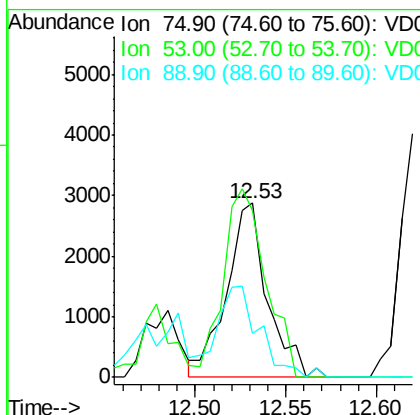
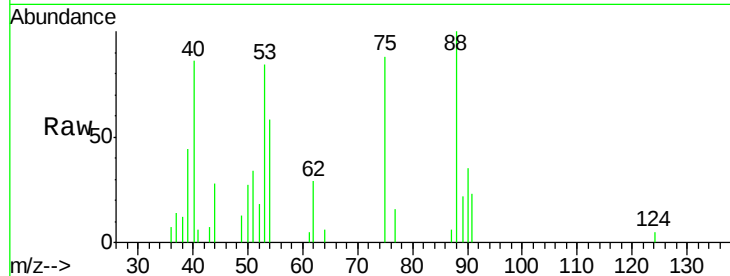
#81  
trans-1,4-Dichloro-2-butene  
Concen: 6.186 ug/l  
RT: 12.53 min Scan# 1804  
Delta R.T. -0.00 min  
Lab File: VD066536.D  
Acq: 03 Sep 2020 14:35

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC005

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 53      | 111.5 | 87.0  | 130.4 |
| 89      | 52.5  | 37.1  | 55.7  |

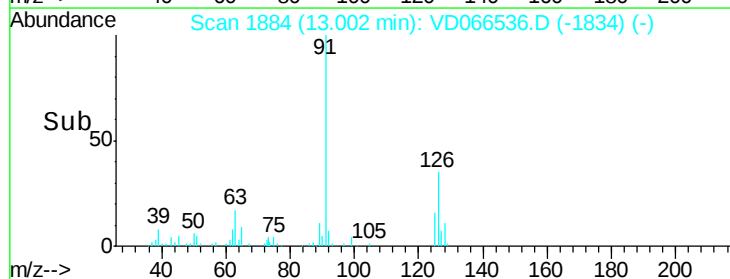
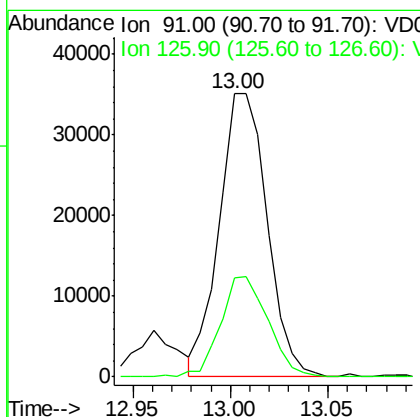
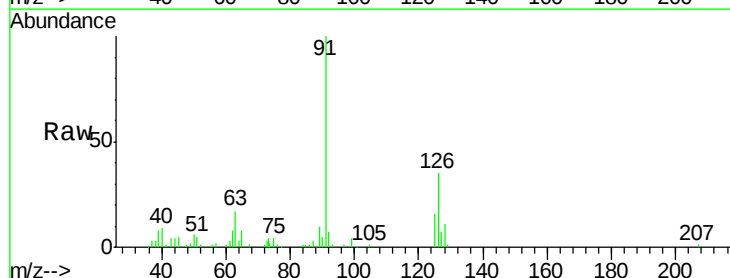
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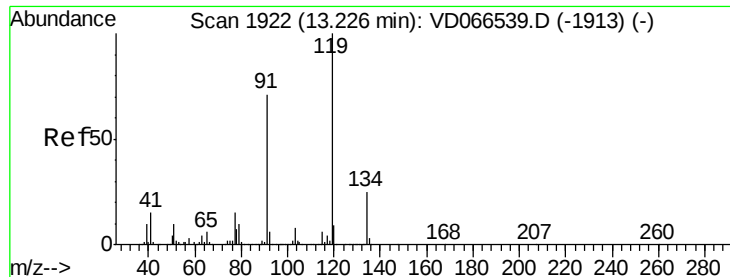
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#82  
4-Chlorotoluene  
Concen: 5.248 ug/l  
RT: 13.00 min Scan# 1884  
Delta R.T. -0.01 min  
Lab File: VD066536.D  
Acq: 03 Sep 2020 14:35

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 126     | 35.3  | 16.4  | 49.1  |





#83

tert-Butylbenzene

Concen: 4.090 ug/l

RT: 13.23 min Scan# 1922

Delta R.T. -0.00 min

Lab File: VD066536.D

Acq: 03 Sep 2020 14:35

Instrument :

MSVOA\_D

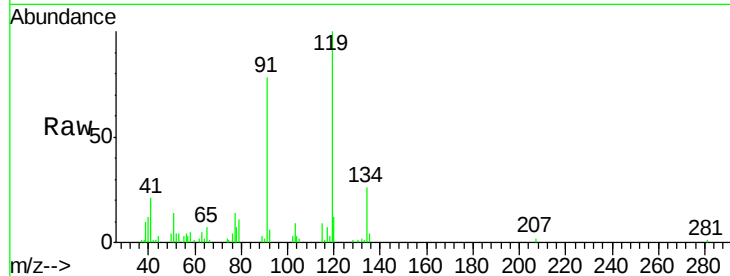
ClientSampleId :

VSTDIC005

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 119   | Resp: | 50718 |
| Ion      | Ratio | Lower | Upper |
| 119      | 100   |       |       |
| 91       | 70.1  | 35.2  | 105.6 |
| 134      | 28.2  | 13.5  | 40.5  |

Manual Integrations  
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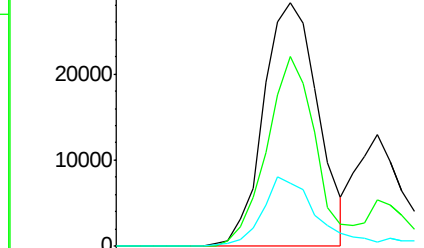
MMDadoda  
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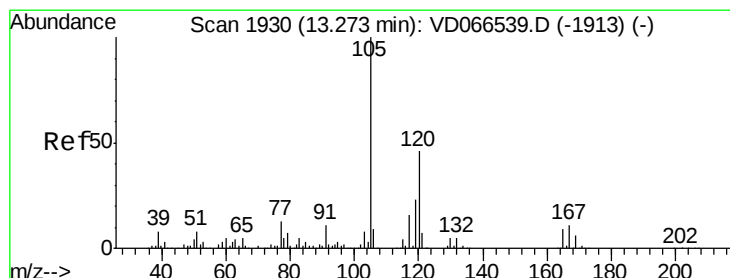
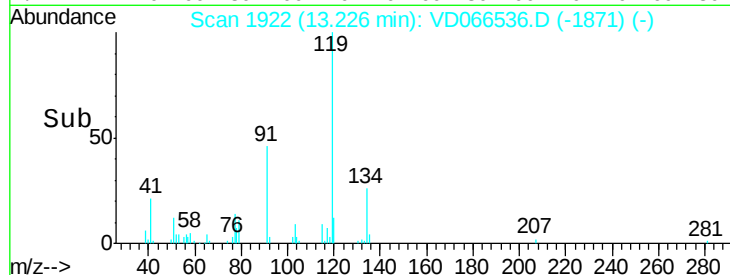
Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



Time-->



#84

1,2,4-Trimethylbenzene

Concen: 4.156 ug/l

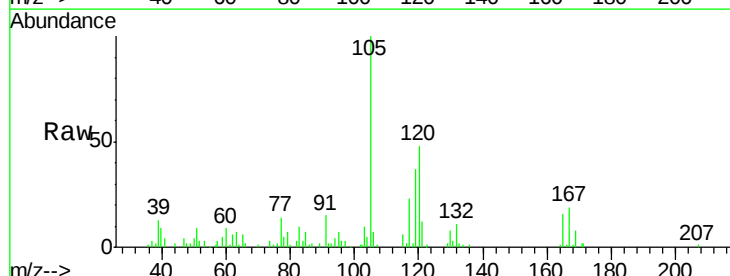
RT: 13.27 min Scan# 1929

Delta R.T. -0.01 min

Lab File: VD066536.D

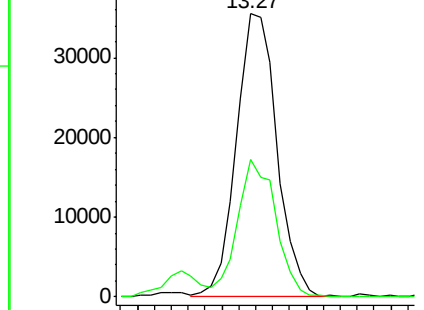
Acq: 03 Sep 2020 14:35

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 105   | Resp: | 59333 |
| Ion      | Ratio | Lower | Upper |
| 105      | 100   |       |       |
| 120      | 45.7  | 22.6  | 67.7  |

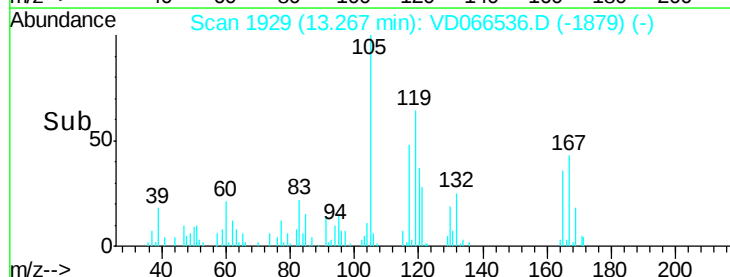


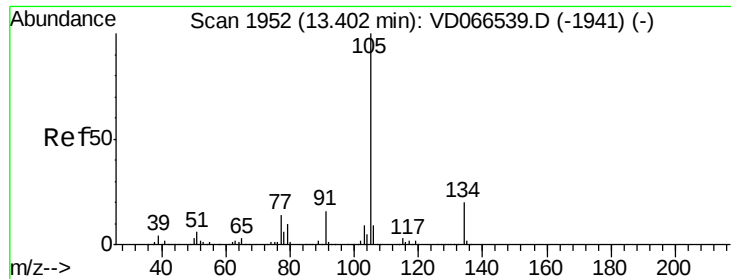
Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



Time-->





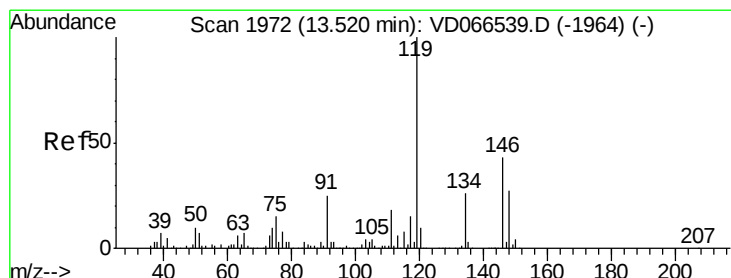
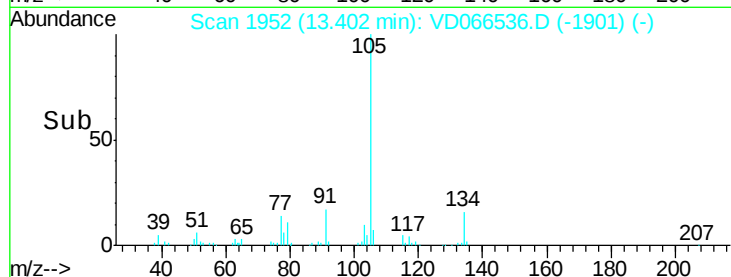
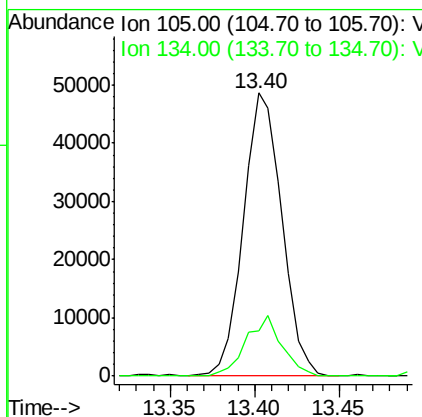
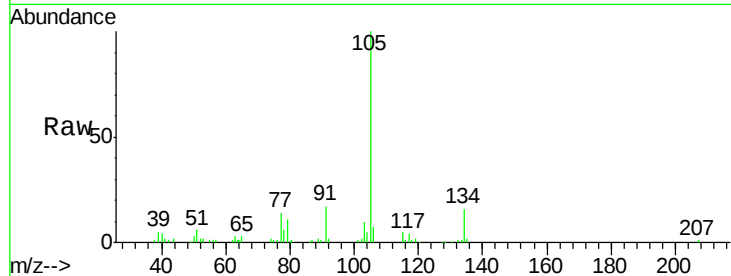
#85  
 sec-Butylbenzene  
 Concen: 4.776 ug/l  
 RT: 13.40 min Scan# 1952  
 Delta R.T. -0.00 min  
 Lab File: VD066536.D  
 Acq: 03 Sep 2020 14:35

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDIC005

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 134     | 19.9  | 9.8   | 29.5  |

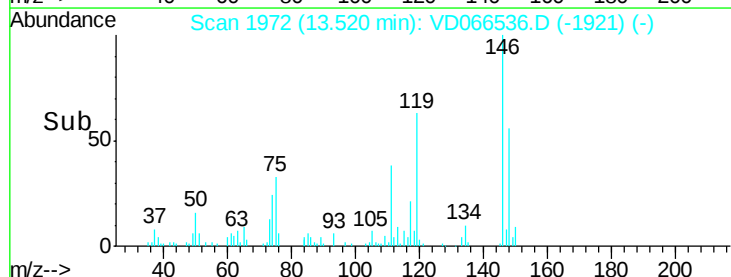
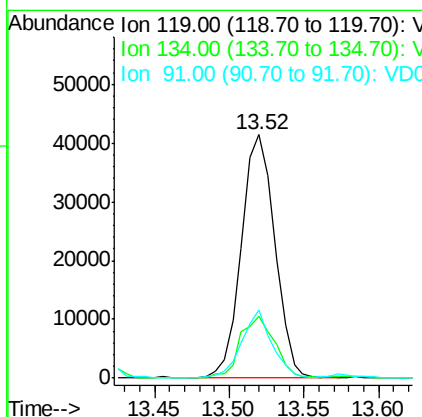
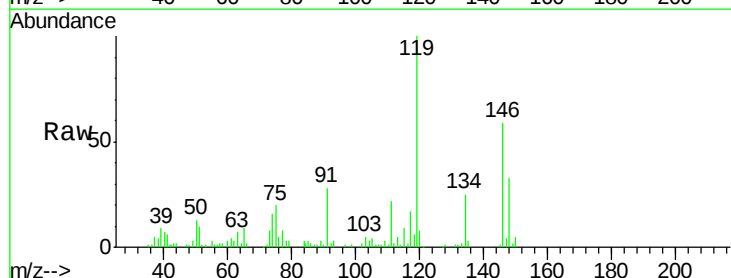
Manual Integrations  
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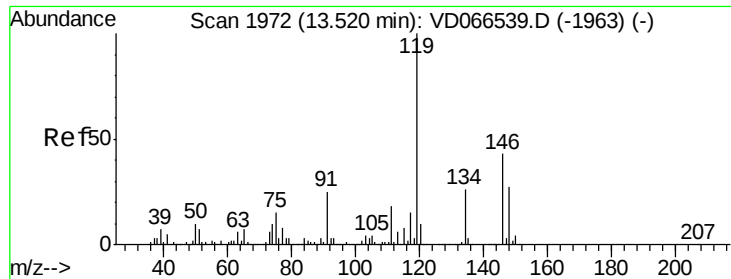
MMDadoda  
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#86  
 p-Isopropyltoluene  
 Concen: 4.057 ug/l  
 RT: 13.52 min Scan# 1972  
 Delta R.T. -0.00 min  
 Lab File: VD066536.D  
 Acq: 03 Sep 2020 14:35

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 134     | 26.5  | 12.7  | 38.0  |
| 91      | 25.6  | 12.5  | 37.5  |





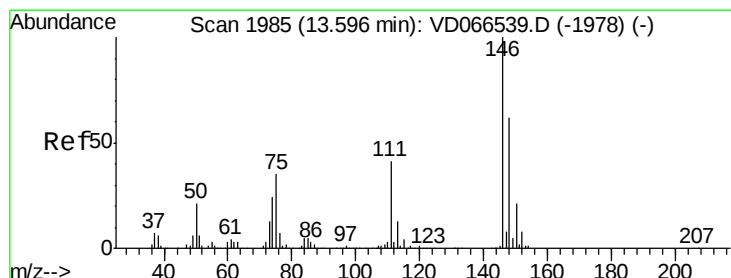
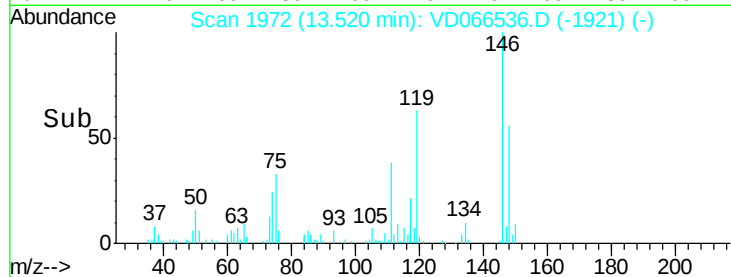
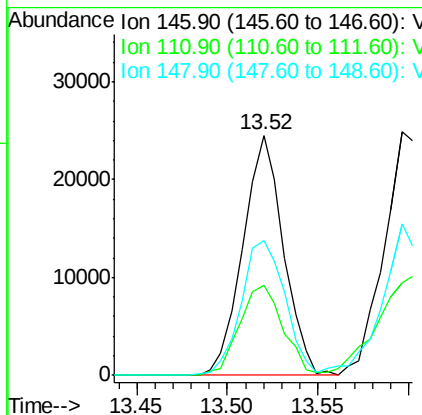
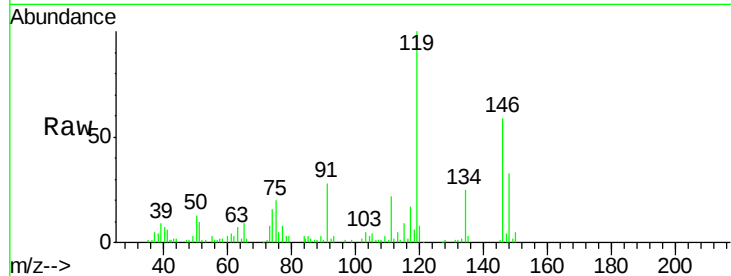
#87  
 1,3-Dichlorobenzene  
 Concen: 4.973 ug/l  
 RT: 13.52 min Scan# 1972  
 Delta R.T. -0.00 min  
 Lab File: VD066536.D  
 Acq: 03 Sep 2020 14:35

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDIC005

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 40.4  | 20.6  | 61.9  |
| 148     | 60.8  | 32.1  | 96.3  |

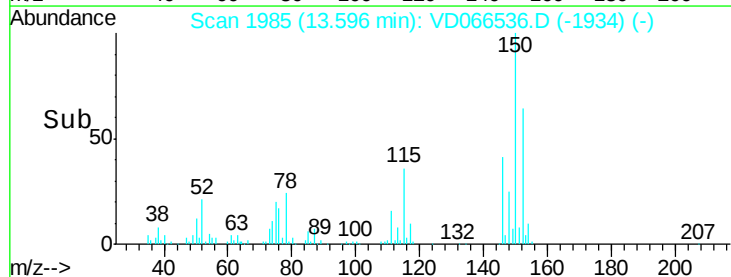
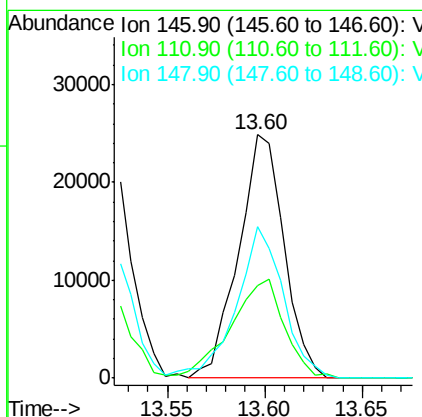
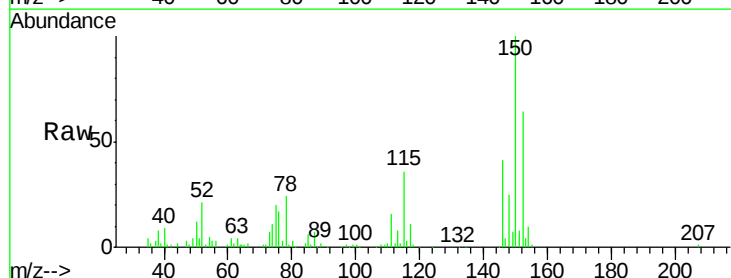
Manual Integrations  
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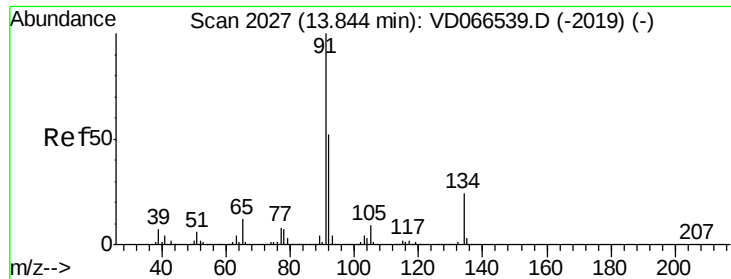
MMDadoda  
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#88  
 1,4-Dichlorobenzene  
 Concen: 5.206 ug/l  
 RT: 13.60 min Scan# 1985  
 Delta R.T. -0.00 min  
 Lab File: VD066536.D  
 Acq: 03 Sep 2020 14:35

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 48.2  | 20.1  | 60.2  |
| 148     | 63.6  | 31.6  | 94.8  |





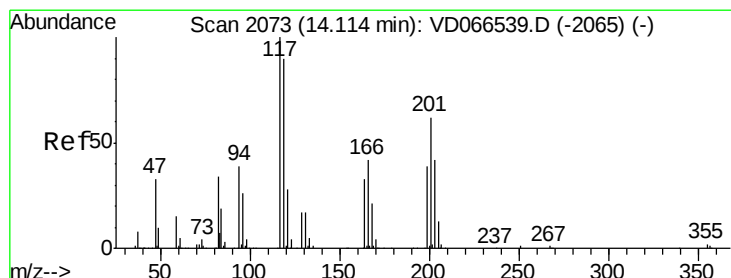
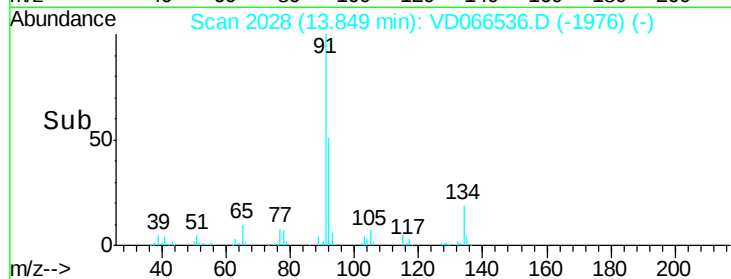
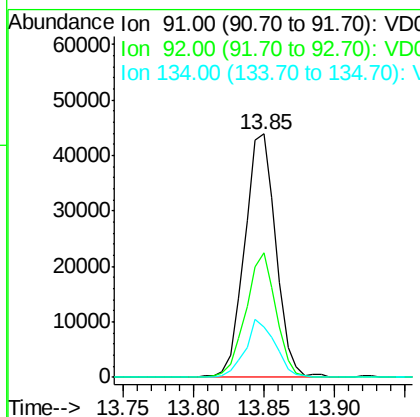
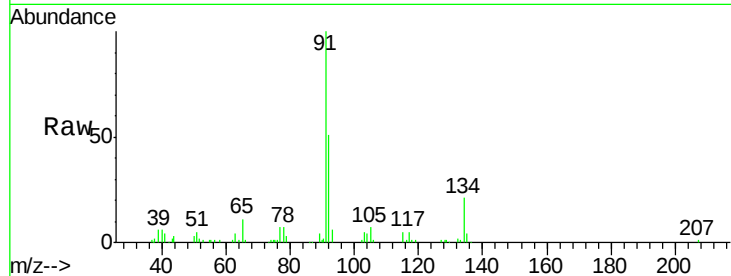
#89  
n-Butylbenzene  
Concen: 5.004 ug/l  
RT: 13.85 min Scan# 2028  
Delta R.T. 0.01 min  
Lab File: VD066536.D  
Acq: 03 Sep 2020 14:35

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC005

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 49.4  | 26.5  | 79.5  |
| 134     | 22.7  | 12.1  | 36.3  |

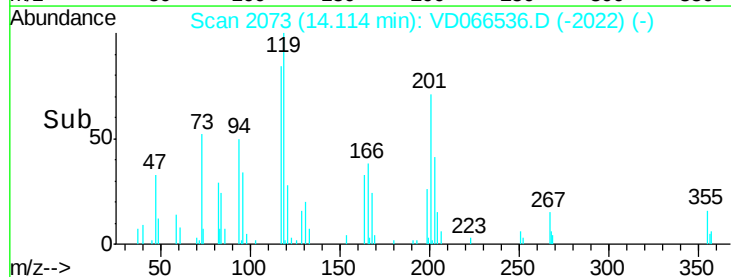
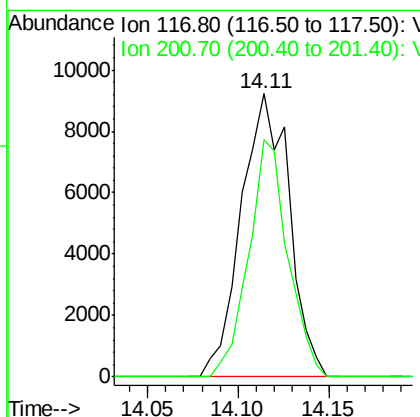
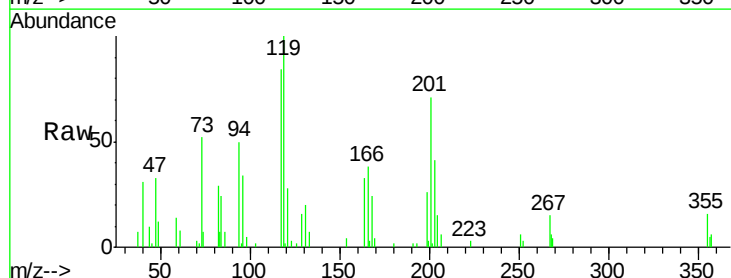
Manual Integrations  
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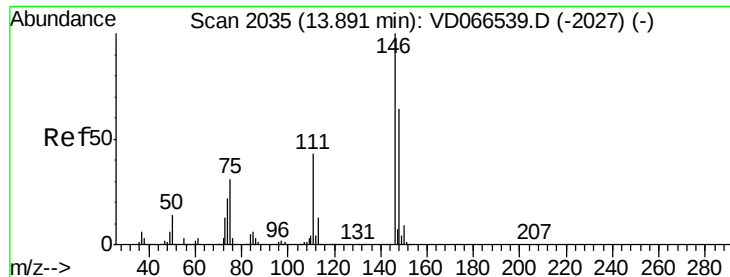
MMDadoda  
9/4/2020 4:54:49 PM



#90  
Hexachloroethane  
Concen: 5.798 ug/l  
RT: 14.11 min Scan# 2073  
Delta R.T. -0.00 min  
Lab File: VD066536.D  
Acq: 03 Sep 2020 14:35

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 68.5  | 31.9  | 95.5  |





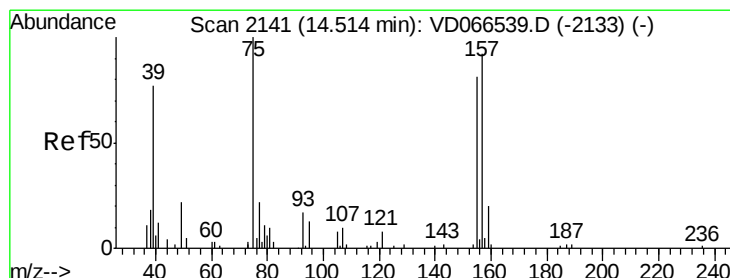
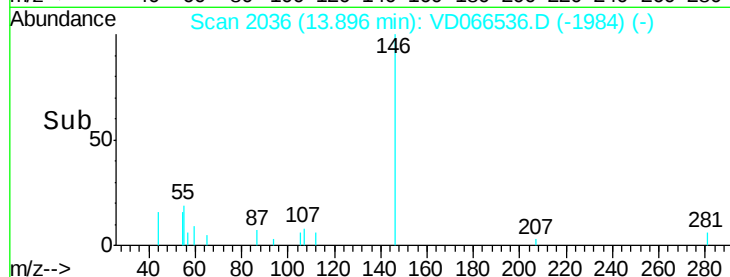
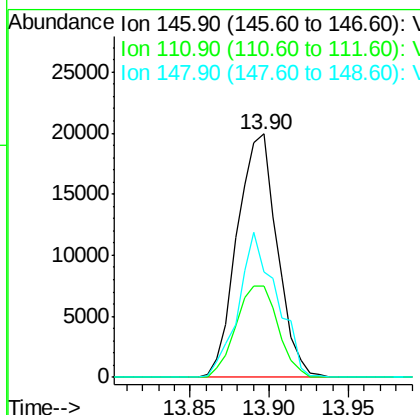
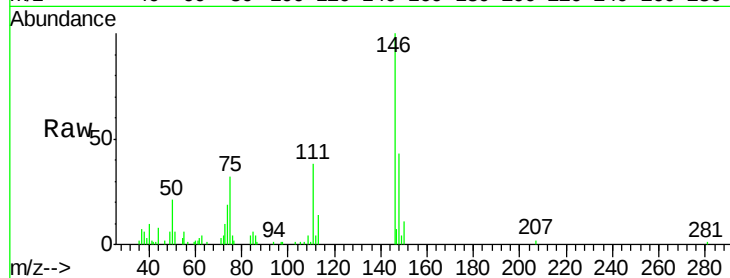
#91  
 1,2-Dichlorobenzene  
 Concen: 5.251 ug/l  
 RT: 13.90 min Scan# 2036  
 Delta R.T. 0.01 min  
 Lab File: VD066536.D  
 Acq: 03 Sep 2020 14:35

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDIC005

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 39.3  | 21.1  | 63.4  |
| 148     | 57.1  | 31.8  | 95.3  |

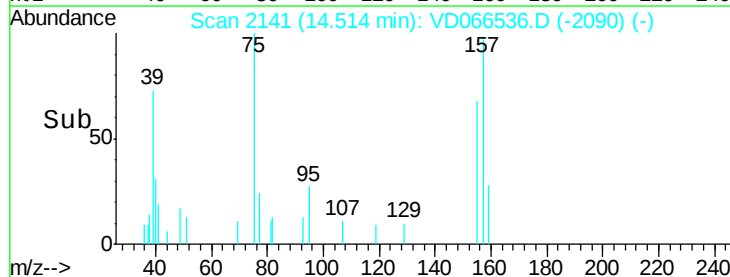
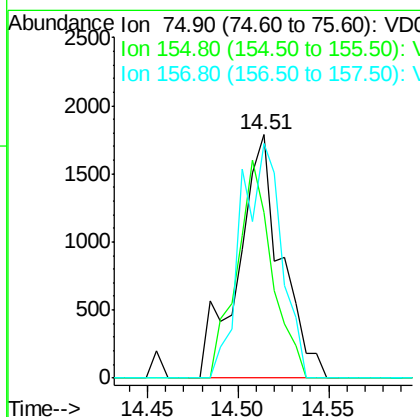
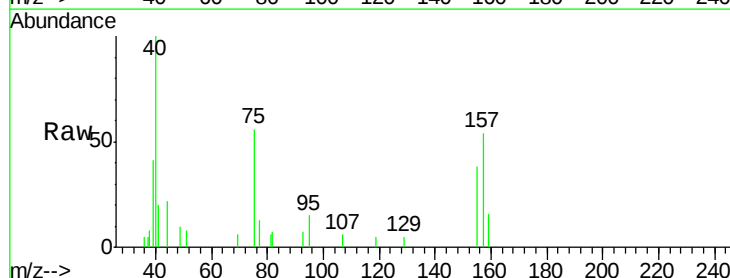
Manual Integrations  
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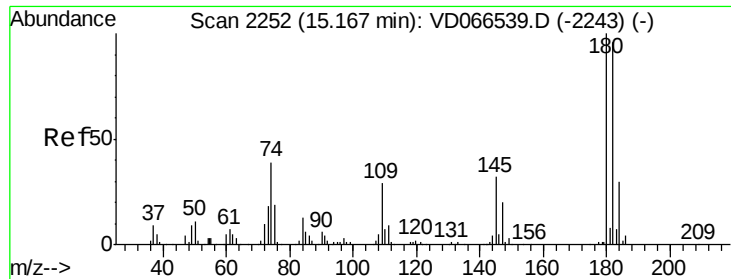
MMDadoda  
 9/4/2020 4:54:49 PM



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 5.777 ug/l  
 RT: 14.51 min Scan# 2141  
 Delta R.T. -0.00 min  
 Lab File: VD066536.D  
 Acq: 03 Sep 2020 14:35

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 73.7  | 39.3  | 117.8 |
| 157     | 91.6  | 46.0  | 137.8 |





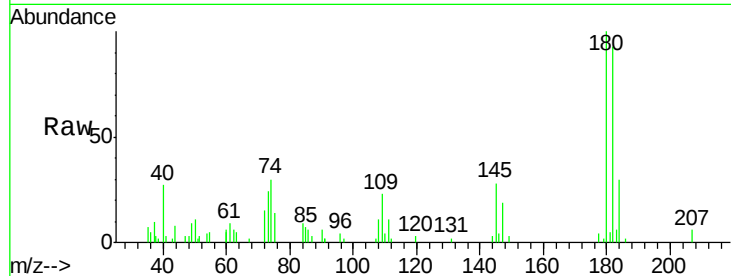
#93  
 1,2,4-Trichlorobenzene  
 Concen: 3.766 ug/l  
 RT: 15.17 min Scan# 2253  
 Delta R.T. 0.01 min  
 Lab File: VD066536.D  
 Acq: 03 Sep 2020 14:35

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDIC005

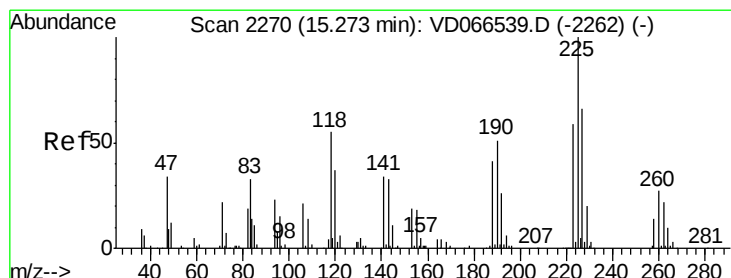
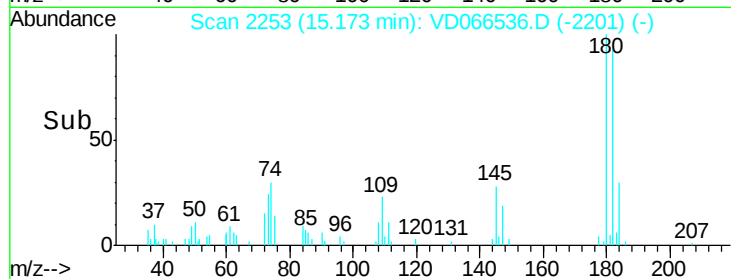
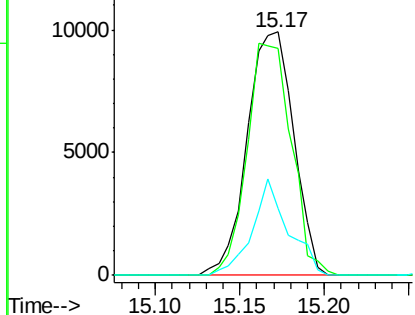
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 90.7  | 48.4  | 145.0 |
| 145     | 30.9  | 16.7  | 50.0  |

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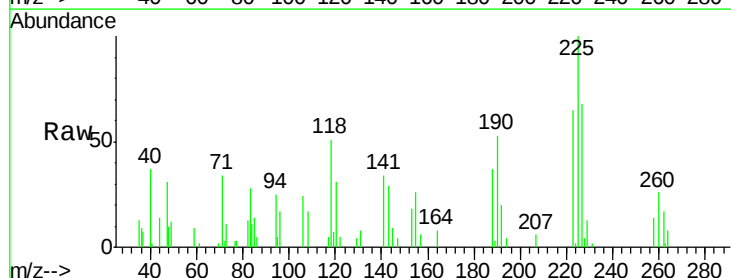


Abundance Ion 179.80 (179.50 to 180.50): V  
 Ion 181.80 (181.50 to 182.50): V  
 Ion 144.80 (144.50 to 145.50): V

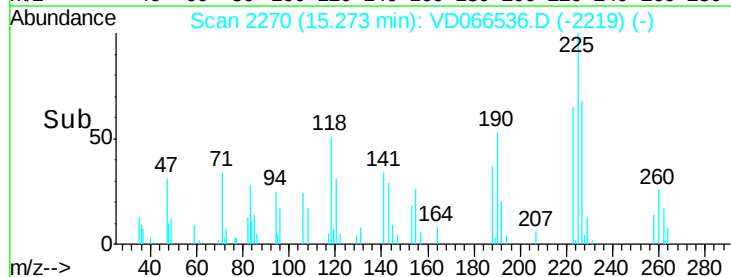
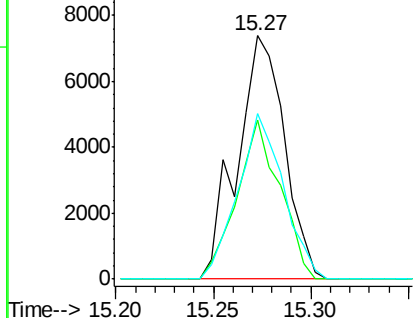


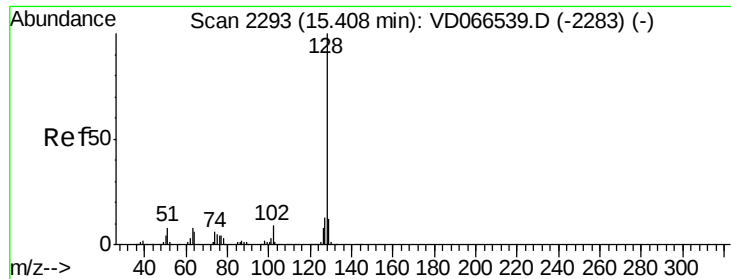
#94  
 Hexachlorobutadiene  
 Concen: 3.828 ug/l  
 RT: 15.27 min Scan# 2270  
 Delta R.T. -0.00 min  
 Lab File: VD066536.D  
 Acq: 03 Sep 2020 14:35

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 59.6  | 30.5  | 91.5  |
| 227     | 65.3  | 32.4  | 97.2  |



Abundance Ion 224.70 (224.40 to 225.40): V  
 Ion 222.70 (222.40 to 223.40): V  
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 3.492 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. -0.00 min

Lab File: VD066536.D

Acq: 03 Sep 2020 14:35

Instrument :

MSVOA\_D

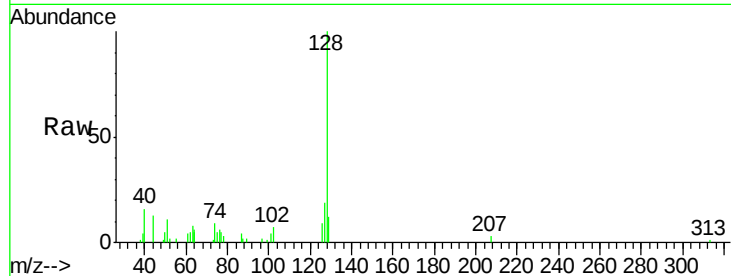
ClientSampleId :

VSTDIC005

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 128   | Resp: | 28135 |
| Ion Ratio | Lower | Upper |       |
| 128       | 100   |       |       |
| 127       | 14.3  | 10.7  | 16.1  |
| 129       | 12.7  | 9.1   | 13.7  |

Manual Integrations  
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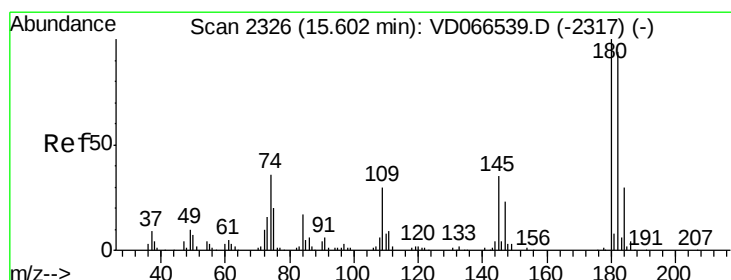
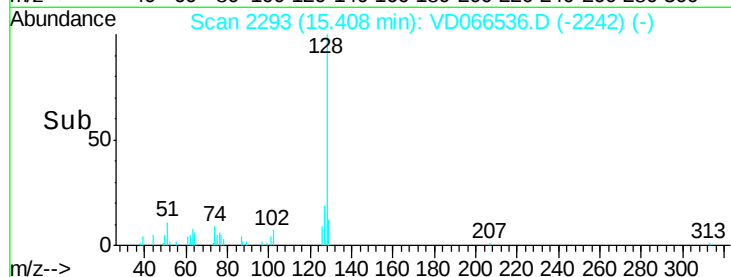
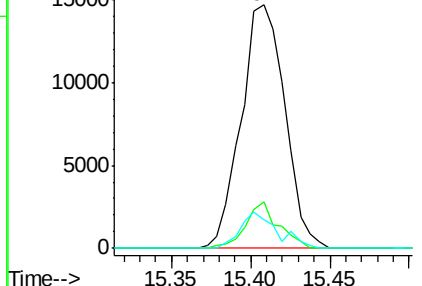
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Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 3.527 ug/l

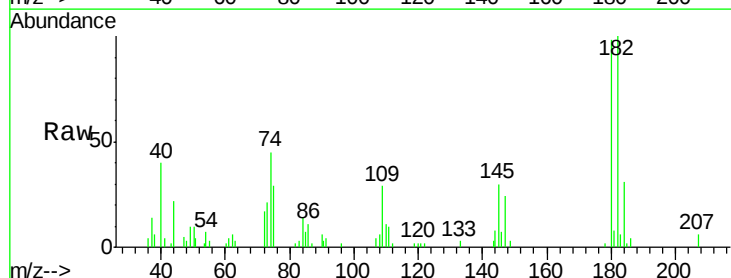
RT: 15.60 min Scan# 2326

Delta R.T. -0.00 min

Lab File: VD066536.D

Acq: 03 Sep 2020 14:35

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 180   | Resp: | 15441 |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 101.2 | 47.9  | 143.6 |
| 145       | 32.4  | 17.3  | 51.7  |



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

