

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL063020\  
 Data File : VL035129.D  
 Acq On : 30 Jun 2020 17:39  
 Operator : SY/AP  
 Sample : L3124-02  
 Misc : 400ml/MSVOA L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 MID

Manual Integrations  
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 7/2/2020 5:00:39 PM

Quant Time: Jul 01 14:52:08 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL061920AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Sat Jun 20 2020  
 QLast Update : Sat Jun 20 02:10:36 2020  
 Response via : Initial Calibration

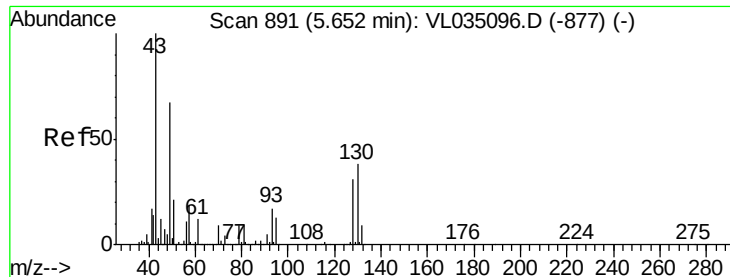
| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 5.68  | 49   | 1271115  | 10.00 | ppbv  | 0.03     |
| 33) 1,4-Difluorobenzene | 7.20  | 114  | 3013235  | 10.00 | ppbv  | 0.03     |
| 55) Chlorobenzene-d5    | 12.13 | 117  | 2856377  | 10.00 | ppbv  | 0.02     |

|                             |        |       |          |          |      |        |
|-----------------------------|--------|-------|----------|----------|------|--------|
| System Monitoring Compounds |        |       |          |          |      |        |
| 68) 1-Bromo-4-Fluorobenzene | 14.46  | 95    | 2360906  | 9.95     | ppbv | 0.02   |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 99.50% |

| Target Compounds               | R.T.  | QIon | Response | Conc    | Units  | Ovalue |
|--------------------------------|-------|------|----------|---------|--------|--------|
| 2) Dichlorodifluoromethane     | 3.01  | 85   | 39474    | 0.230   | ppbv   | 95     |
| 3) Chlorodifluoromethane       | 2.95  | 51   | 44824m   | 0.319   | ppbv   |        |
| 4) Chloromethane               | 3.10  | 50   | 42273    | 0.537   | ppbv # | 88     |
| 7) Chloroethane                | 3.53  | 64   | 14979m   | 0.531   | ppbv   |        |
| 9) Propene                     | 2.97  | 41   | 4614255  | 82.986  | ppbv   | 97     |
| 10) Heptane                    | 8.14  | 43   | 79149m   | 0.549   | ppbv   |        |
| 11) Trichlorofluoromethane     | 3.93  | 101  | 60473    | 0.330   | ppbv   | 91     |
| 12) 1,1,2-Trichlorotrifluoroet | 4.48  | 101  | 59927    | 0.473   | ppbv   | 98     |
| 13) Ethanol                    | 3.59  | 45   | 2937114  | 139.828 | ppbv   | 97     |
| 15) Acetone                    | 3.83  | 43   | 10087921 | 65.642  | ppbv # | 11     |
| 17) tert-Butyl alcohol         | 4.30  | 59   | 1528380  | 11.222  | ppbv   | 99     |
| 18) 1,1-Dichloroethene         | 4.28  | 96   | 132161   | 2.311   | ppbv   | 99     |
| 19) Isopropyl Alcohol          | 3.97  | 45   | 6885364  | 69.000  | ppbv # | 1      |
| 20) Methylene Chloride         | 4.34  | 84   | 350623   | 5.637   | ppbv   | 95     |
| 22) trans-1,2-Dichloroethene   | 4.88  | 96   | 42370    | 0.792   | ppbv   | 91     |
| 24) 1,1-Dichloroethane         | 5.02  | 63   | 1072810  | 6.821   | ppbv   | 99     |
| 32) 1,1,1-Trichloroethane      | 6.53  | 97   | 1070898  | 5.900   | ppbv   | 99     |
| 34) 2-Butanone                 | 5.25  | 43   | 18388010 | 106.263 | ppbv # | 50     |
| 35) Carbon Tetrachloride       | 7.04  | 117  | 6995m    | 0.039   | ppbv   |        |
| 36) Benzene                    | 6.91  | 78   | 66180m   | 0.284   | ppbv   |        |
| 38) Trichloroethene            | 7.87  | 130  | 3531m    | 0.039   | ppbv   |        |
| 44) 2,2,4-Trimethylpentane     | 7.89  | 57   | 110319m  | 0.271   | ppbv   |        |
| 50) 4-Methyl-2-Pentanone       | 8.76  | 43   | 166842m  | 0.679   | ppbv   |        |
| 51) 2-Hexanone                 | 10.16 | 43   | 5621690  | 29.197  | ppbv # | 96     |
| 53) Toluene                    | 9.83  | 91   | 193952m  | 0.779   | ppbv   |        |
| 58) Ethyl Benzene              | 12.75 | 91   | 51192m   | 0.160   | ppbv   |        |
| 59) m/p-Xylene                 | 13.01 | 91   | 113353m  | 0.399   | ppbv   |        |
| 60) o-Xylene                   | 13.74 | 91   | 48036m   | 0.170   | ppbv   |        |
| 61) Styrene                    | 13.57 | 104  | 22684m   | 0.127   | ppbv   |        |
| 74) 1,2,4-Trimethylbenzene     | 16.81 | 105  | 60992m   | 0.184   | ppbv   |        |
| 75) 1,3-Dichlorobenzene        | 17.04 | 146  | 67446m   | 0.340   | ppbv   |        |

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





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 901

Delta R.T. 0.03 min

Lab File: VL035129.D

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Instrument :

MSVOA\_L

ClientSampled :

MID

Tot Ion: 49 Resp: 1271115

Ion Ratio Lower Upper

49 100

128 45.9 22.9 68.5

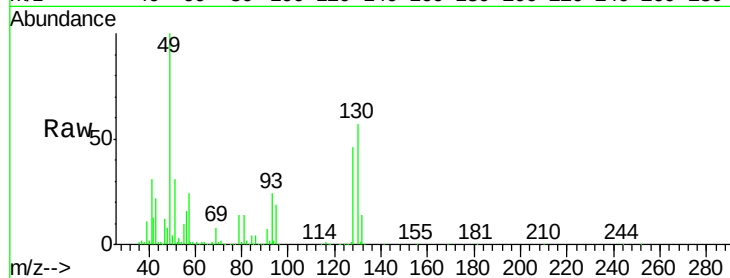
130 58.8 29.0 87.0

Manual Integrations

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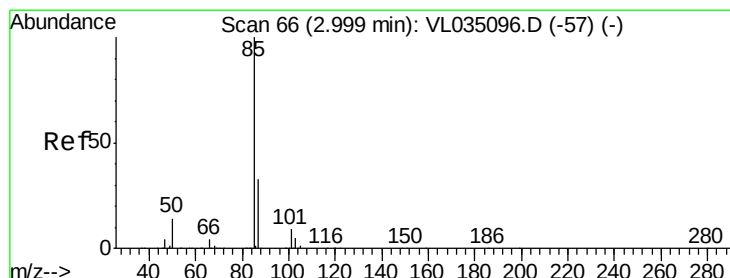
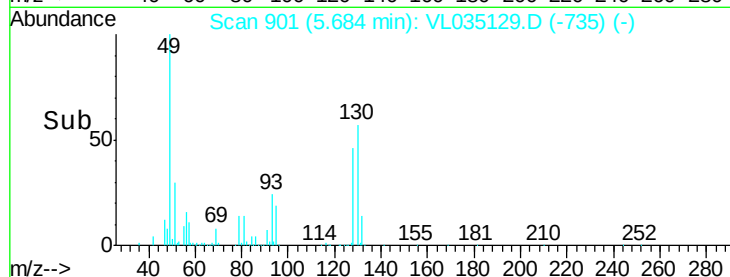
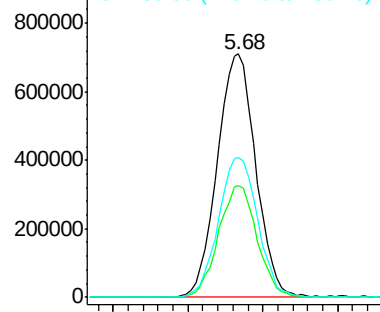
7/2/2020 5:00:39 PM



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 0.230 ppbv

RT: 3.01 min Scan# 70

Delta R.T. 0.01 min

Lab File: VL035129.D

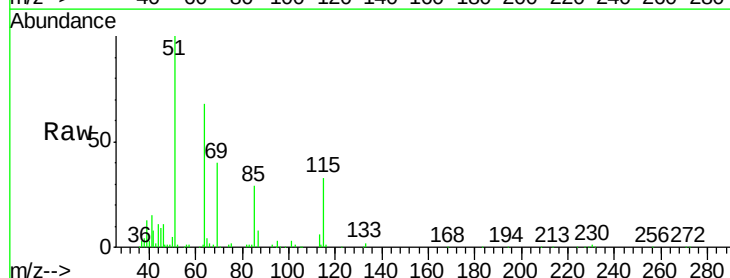
Acq: 30 Jun 2020 17:39

Tgt Ion: 85 Resp: 39474

Ion Ratio Lower Upper

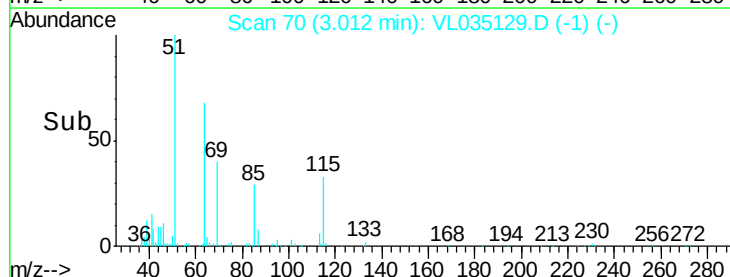
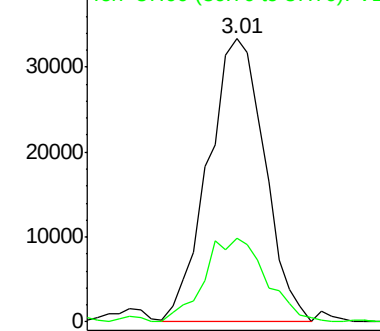
85 100

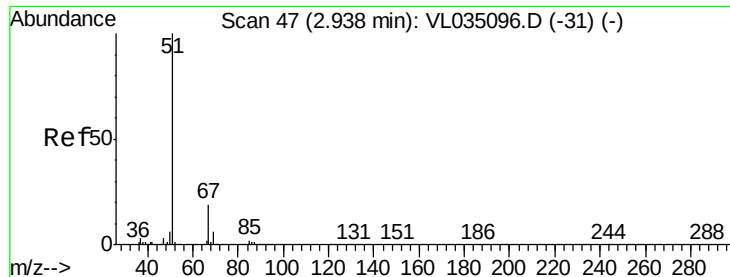
87 29.6 26.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

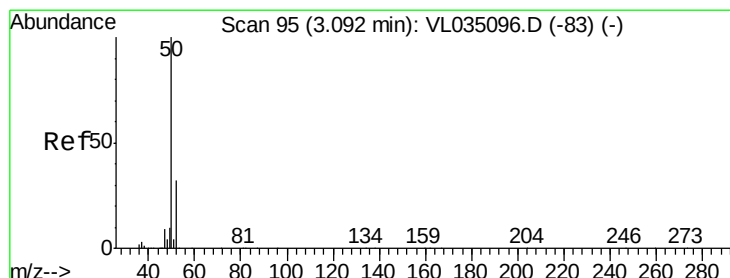
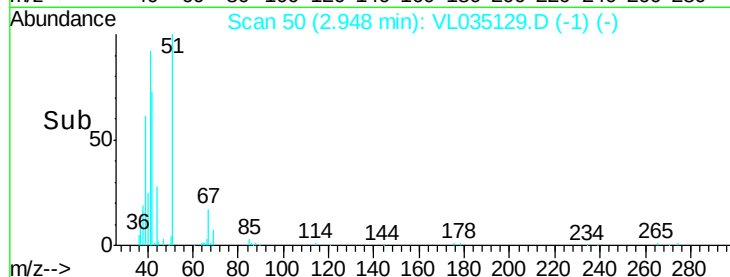
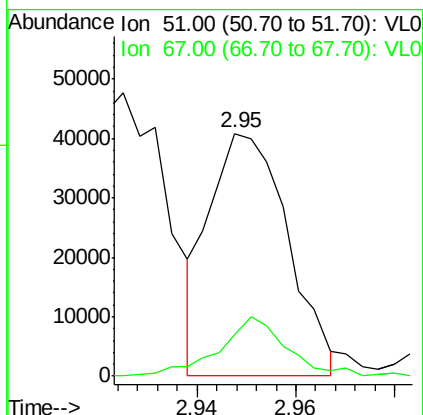
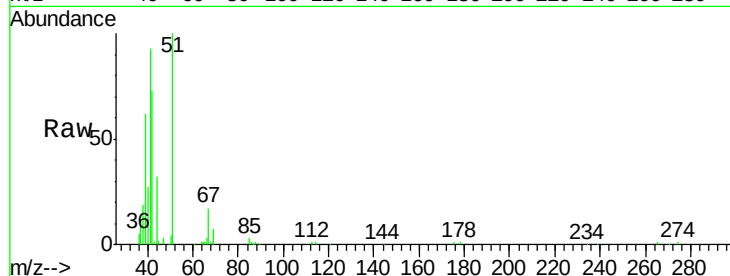
Chlorodifluoromethane  
Concen: 0.319 ppbv  
RT: 2.95 min Scan# 50  
Delta R.T. 0.01 min  
Lab File: VL035129.D  
Acq: 30 Jun 2020 17:39

Instrument :  
MSVOA\_L  
ClientSampled :  
MID

| Tot Ion   | 51   | Resp  | 44824 |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 51        | 100  |       |       |
| 67        | 21.3 | 15.2  | 22.8  |

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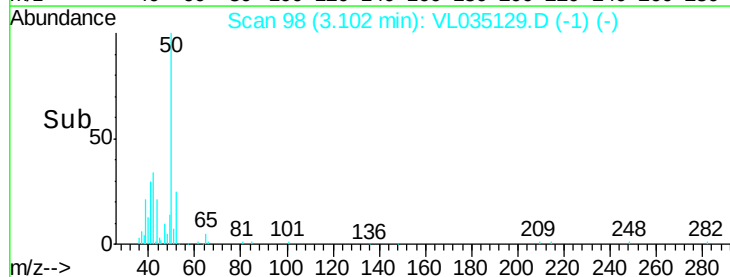
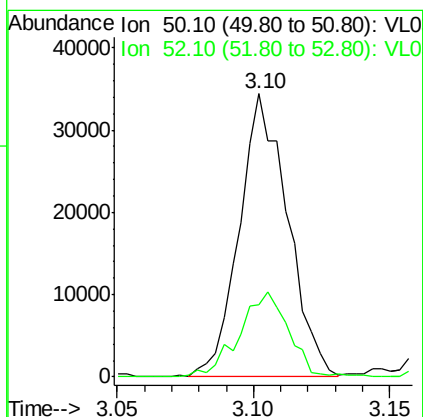
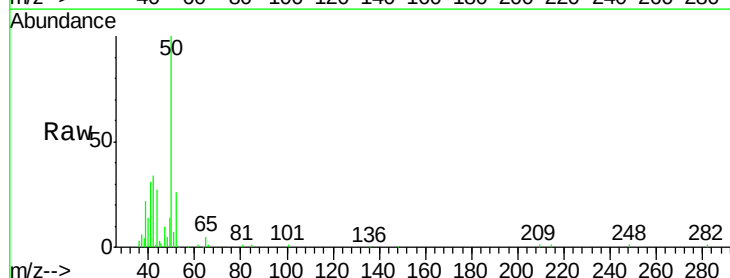
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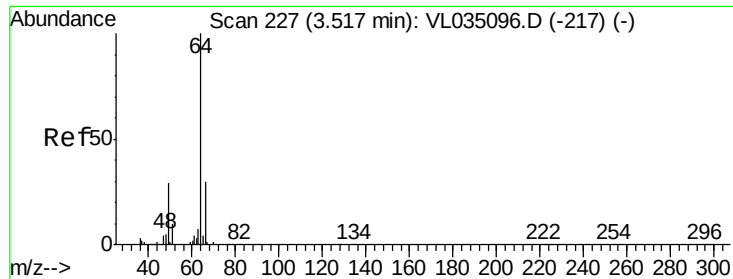


#4

Chloromethane  
Concen: 0.537 ppbv  
RT: 3.10 min Scan# 98  
Delta R.T. 0.01 min  
Lab File: VL035129.D  
Acq: 30 Jun 2020 17:39

| Tgt Ion   | 50   | Resp  | 42273 |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 50        | 100  |       |       |
| 52        | 24.9 | 25.4  | 38.0# |





#7

Chloroethane

Concen: 0.531 ppbv m

RT: 3.53 min Scan# 232

Delta R.T. 0.02 min

Lab File: VL035129.D

Acq: 30 Jun 2020 17:39

Instrument :

MSVOA\_L

ClientSampled :

MID

Tot Ion: 64 Resp: 14979

Ion Ratio Lower Upper

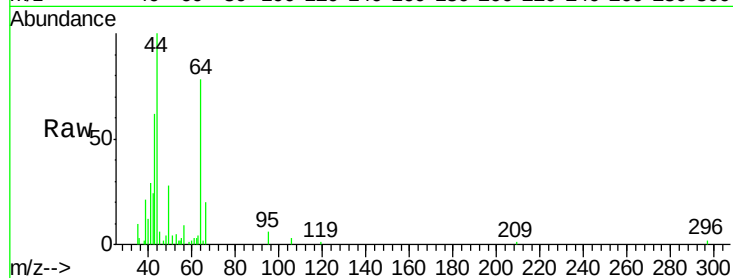
64 100

66 25.6 24.2 36.4

Manual Integrations  
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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.53

10000

8000

6000

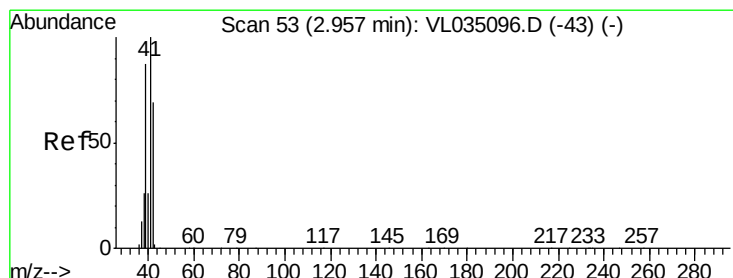
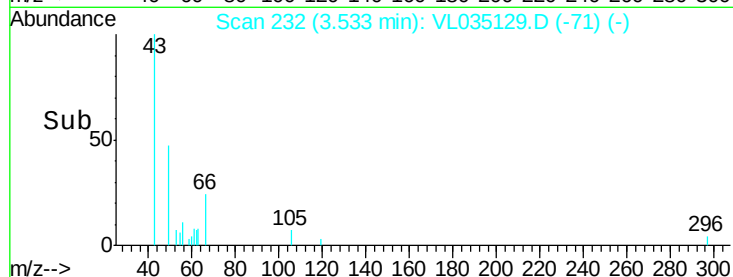
4000

2000

0

3.50 3.55 3.60

Time-->



#9

Propene

Concen: 82.986 ppbv

RT: 2.97 min Scan# 58

Delta R.T. 0.02 min

Lab File: VL035129.D

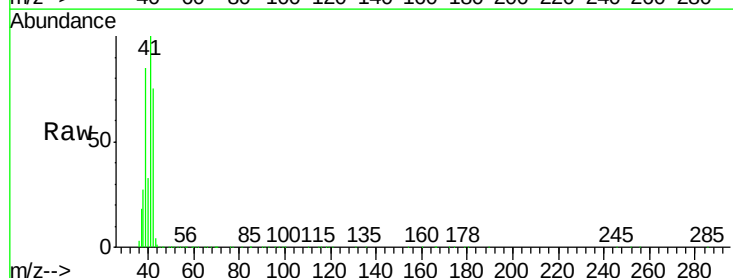
Acq: 30 Jun 2020 17:39

Tgt Ion: 41 Resp: 4614255

Ion Ratio Lower Upper

41 100

42 72.0 55.8 83.6



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

2.97

3000000

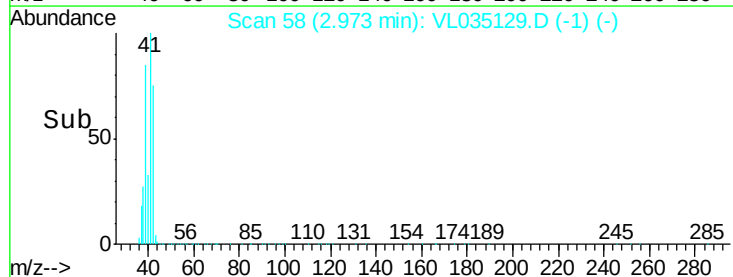
2000000

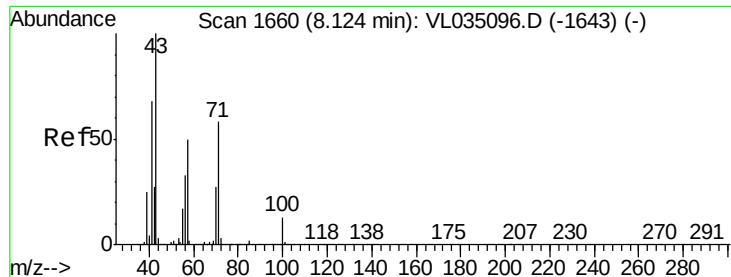
1000000

0

2.90 2.95 3.00

Time-->





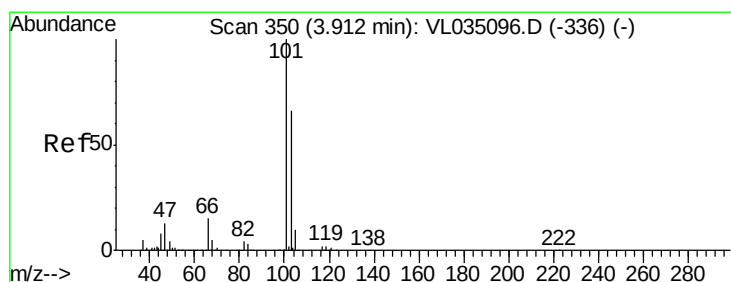
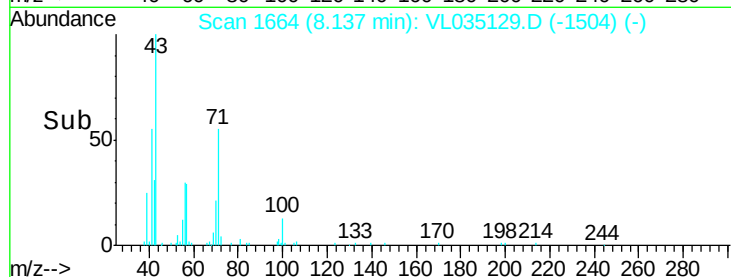
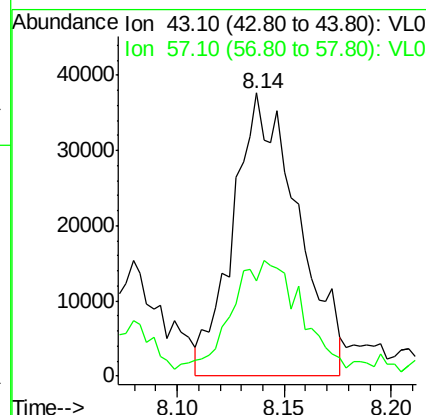
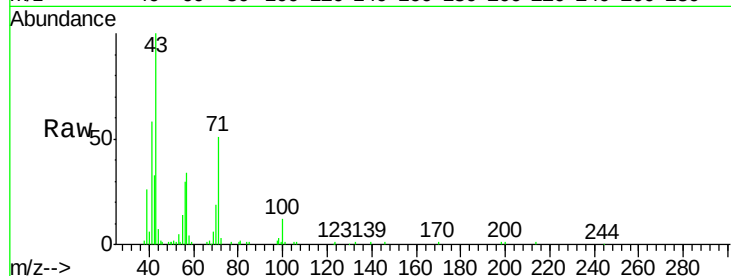
#10  
 Heptane  
 Concen: 0.549 ppbv m  
 RT: 8.14 min Scan# 1664  
 Delta R.T. 0.01 min  
 Lab File: VL035129.D  
 Acq: 30 Jun 2020 17:39

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 MID

Tot Ion: 43 Resp: 79149  
 Ion Ratio Lower Upper  
 43 100  
 57 0.0 41.9 62.9#

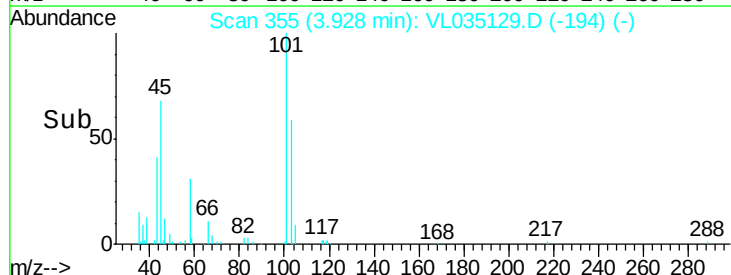
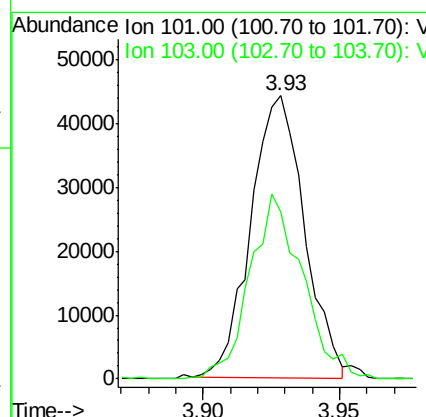
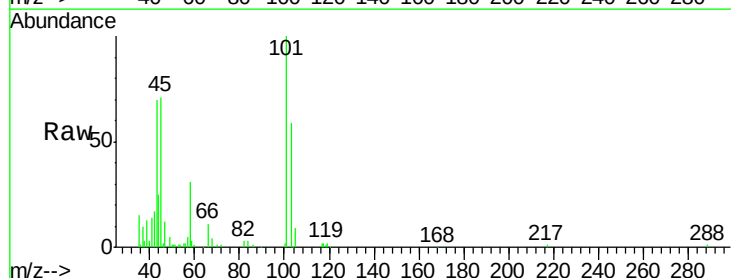
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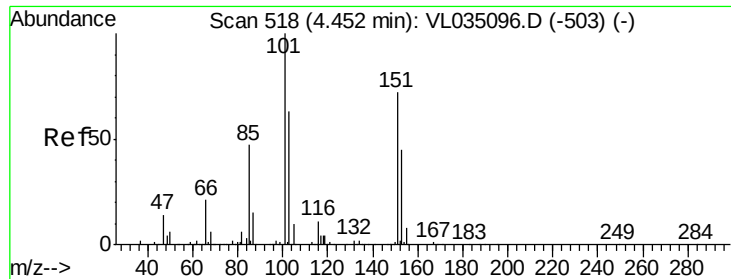
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#11  
 Trichlorofluoromethane  
 Concen: 0.330 ppbv  
 RT: 3.93 min Scan# 355  
 Delta R.T. 0.02 min  
 Lab File: VL035129.D  
 Acq: 30 Jun 2020 17:39

Tgt Ion: 101 Resp: 60473  
 Ion Ratio Lower Upper  
 101 100  
 103 58.5 52.6 79.0





#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.473 ppbv

RT: 4.48 min Scan# 526

Delta R.T. 0.03 min

Lab File: VL035129.D

Acq: 30 Jun 2020 17:39

Instrument :

MSVOA\_L

ClientSampleId :

MID

Tot Ion:101 Resp: 59927

Ion Ratio Lower Upper

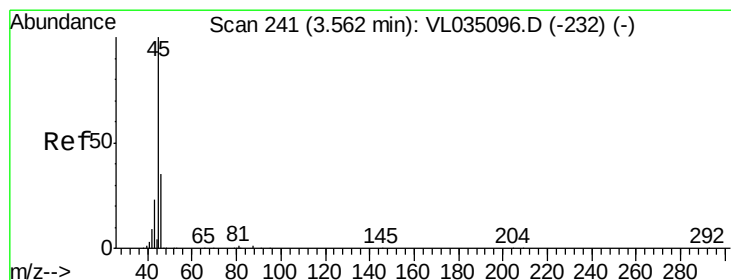
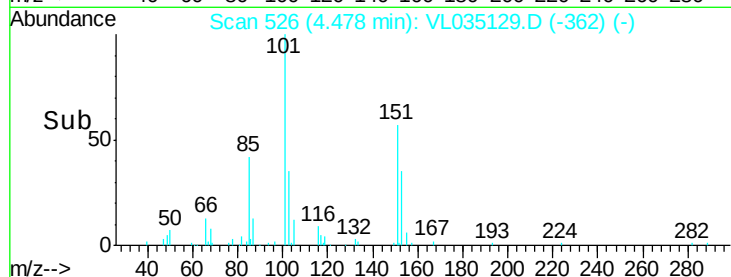
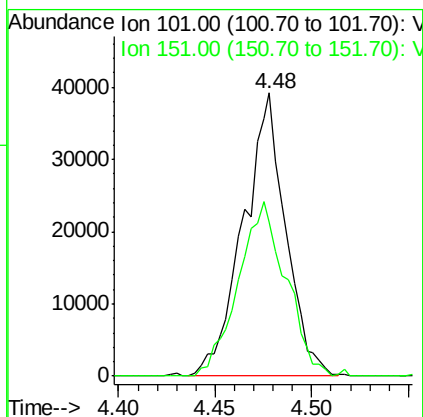
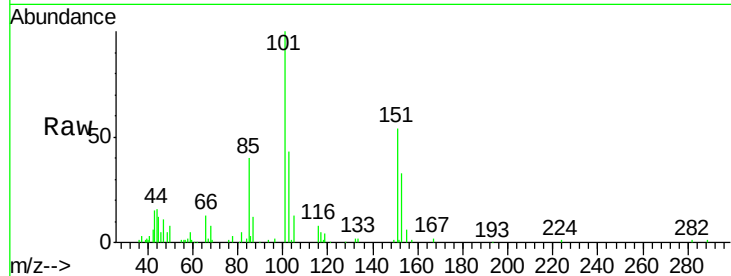
101 100

151 69.4 56.6 85.0

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#13

Ethanol

Concen: 139.828 ppbv

RT: 3.59 min Scan# 251

Delta R.T. 0.03 min

Lab File: VL035129.D

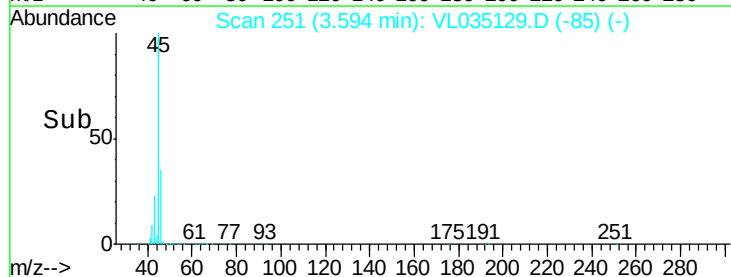
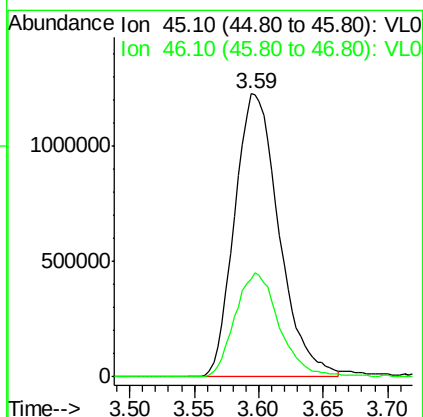
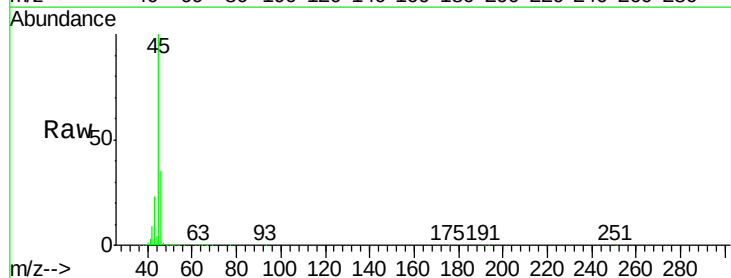
Acq: 30 Jun 2020 17:39

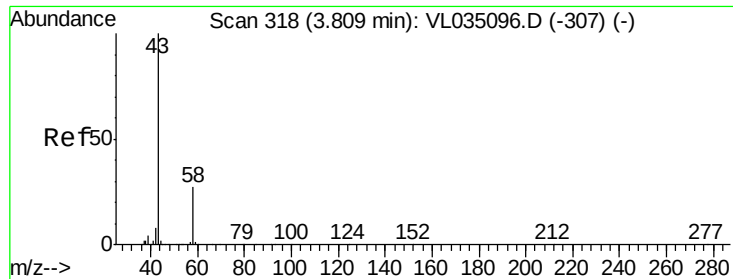
Tgt Ion: 45 Resp: 2937114

Ion Ratio Lower Upper

45 100

46 37.1 14.2 57.0





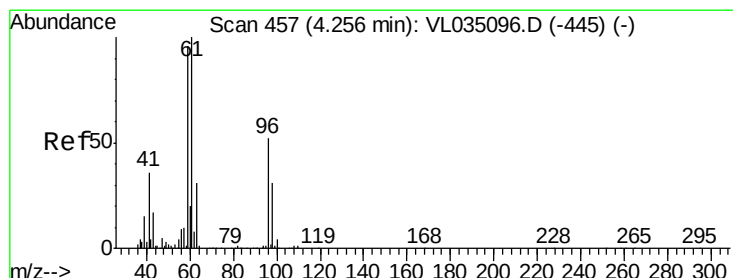
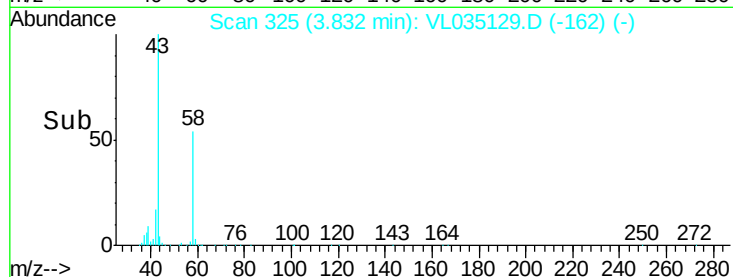
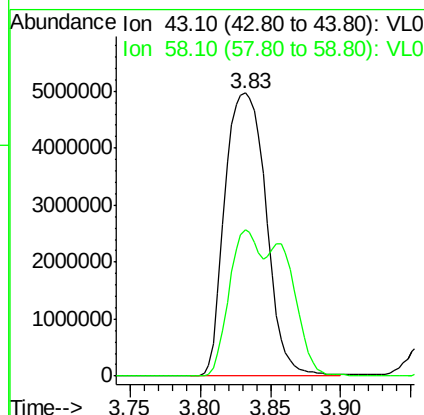
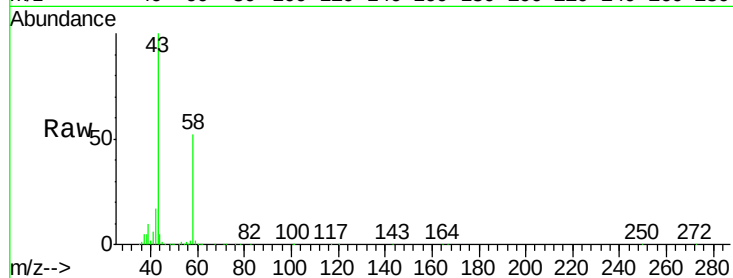
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Acetone  
Concen: 65.642 ppbv  
RT: 3.83 min Scan# 325  
Delta R.T. 0.02 min  
Lab File: VL035129.D  
Acq: 30 Jun 2020 17:39

Instrument :  
MSVOA\_L  
ClientSampled :  
MID

Tot Ion: 43 Resp:10087921  
Ion Ratio Lower Upper  
43 100  
58 73.2 21.8 32.6#

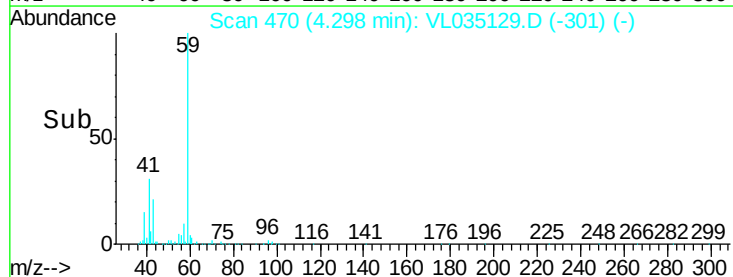
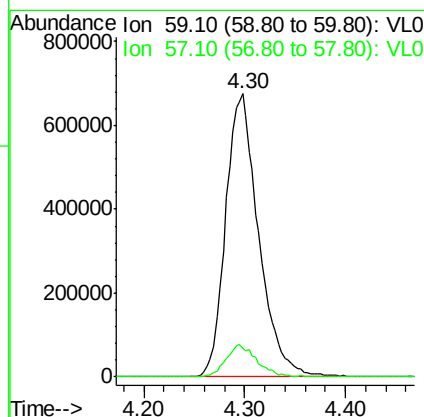
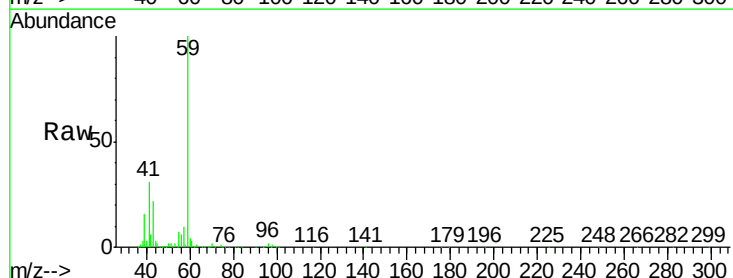
Manual Integrations  
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7/2/2020 5:00:39 PM

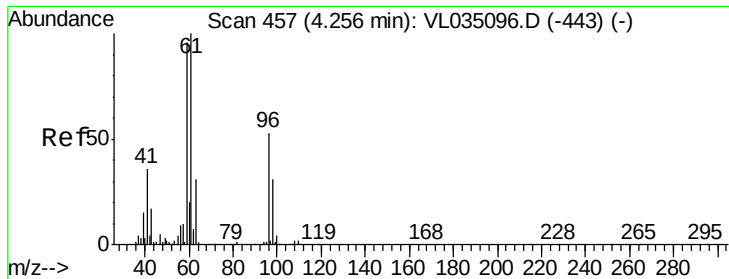


#17  
tert-Butyl alcohol  
Concen: 11.222 ppbv  
RT: 4.30 min Scan# 470  
Delta R.T. 0.04 min  
Lab File: VL035129.D  
Acq: 30 Jun 2020 17:39

Tgt Ion: 59 Resp: 1528380  
Ion Ratio Lower Upper  
59 100  
57 11.0 8.6 12.8







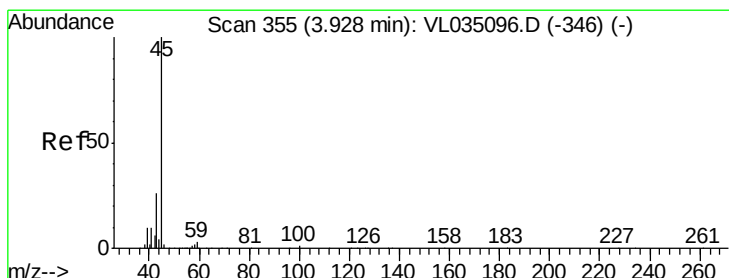
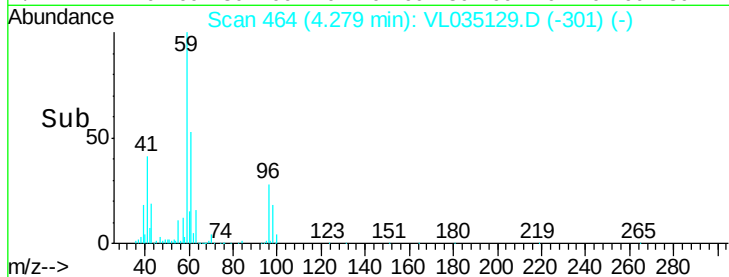
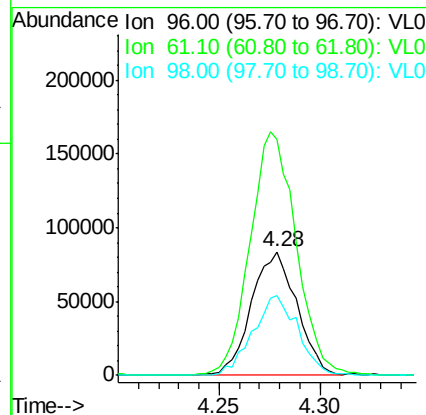
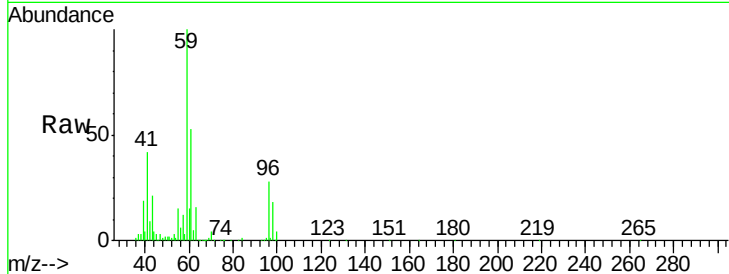
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 1,1-Dichloroethene  
 Concen: 2.311 ppbv  
 RT: 4.28 min Scan# 464  
 Delta R.T. 0.02 min  
 Lab File: VL035129.D  
 Acq: 30 Jun 2020 17:39

Instrument :  
 MSVOA\_L  
 ClientSampled :  
 MID

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 190.3 | 152.2 | 228.4 |
| 98      | 64.3  | 47.7  | 71.5  |

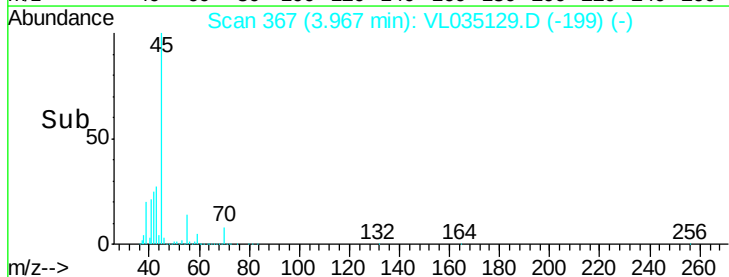
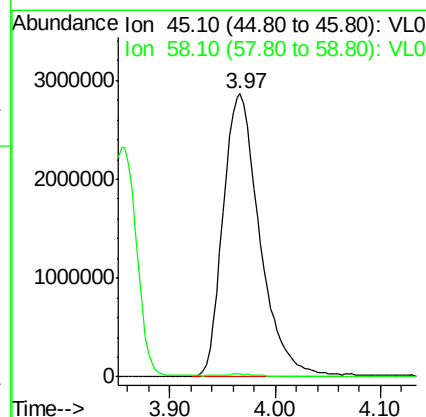
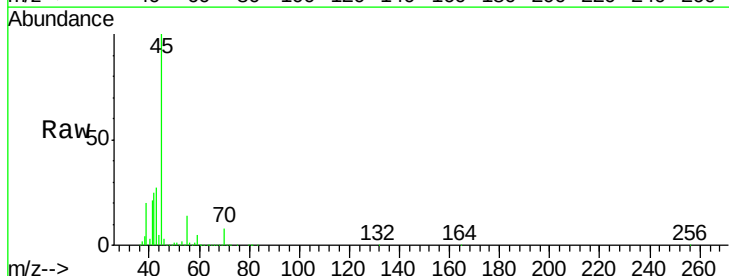
Manual Integrations  
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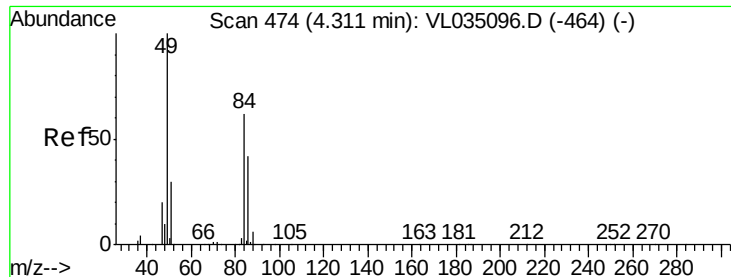
MMDadoda  
 7/2/2020 5:00:39 PM



#19  
 Isopropyl Alcohol  
 Concen: 69.000 ppbv  
 RT: 3.97 min Scan# 367  
 Delta R.T. 0.04 min  
 Lab File: VL035129.D  
 Acq: 30 Jun 2020 17:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 45      | 100   |       |       |
| 58      | 107.3 | 1.8   | 2.8#  |





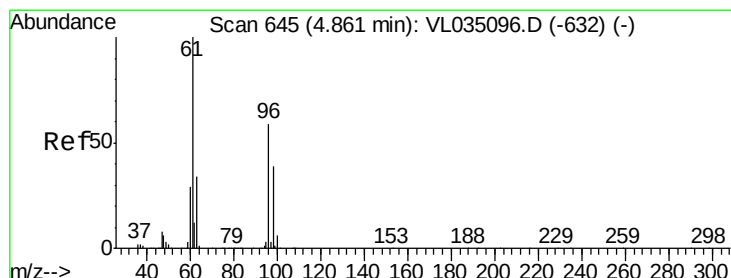
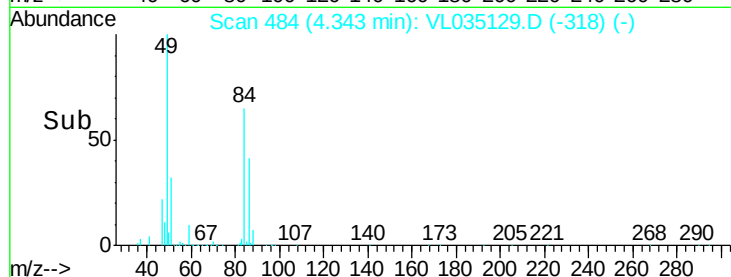
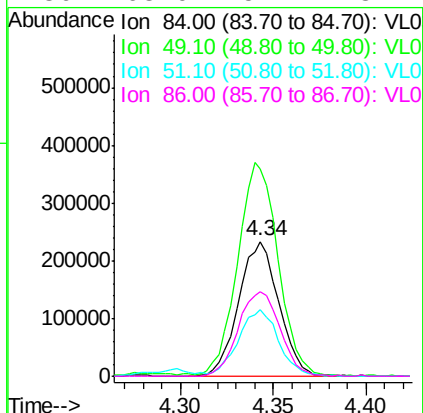
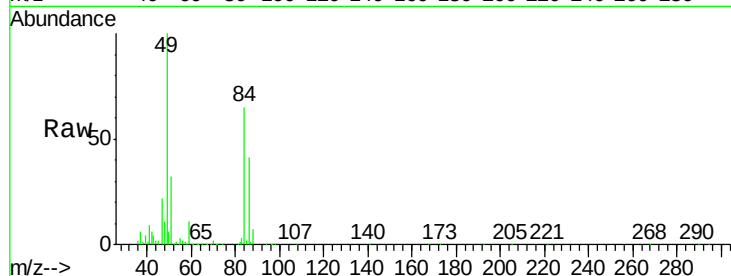
#20  
Methvlene Chloride  
Concen: 5.637 ppbv  
RT: 4.34 min Scan# 484  
Delta R.T. 0.03 min  
Lab File: VL035129.D  
Acq: 30 Jun 2020 17:39

Instrument :  
MSVOA\_L  
ClientSampled :  
MID

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 84    | Resp: | 350623 |
| Ion      | Ratio | Lower | Upper  |
| 84       | 100   |       |        |
| 49       | 153.7 | 128.8 | 193.2  |
| 51       | 49.2  | 38.7  | 58.1   |
| 86       | 63.0  | 54.1  | 81.1   |

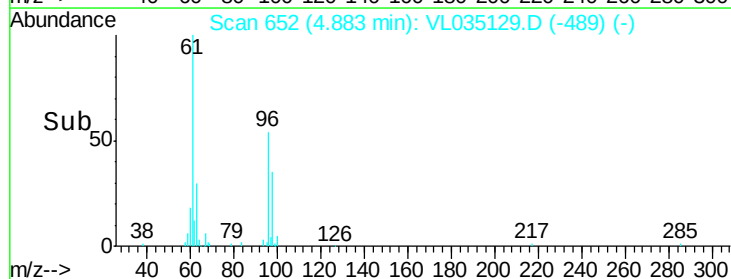
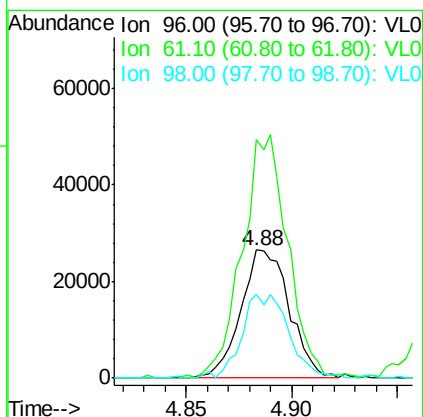
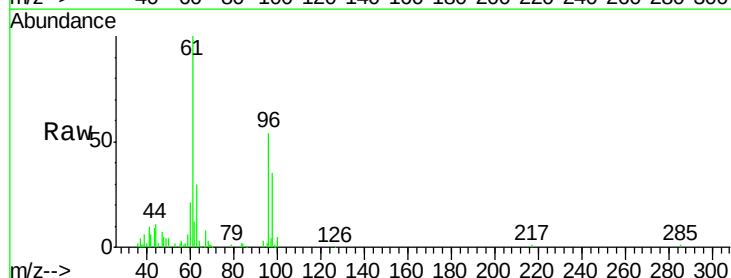
Manual Integrations  
APPROVED

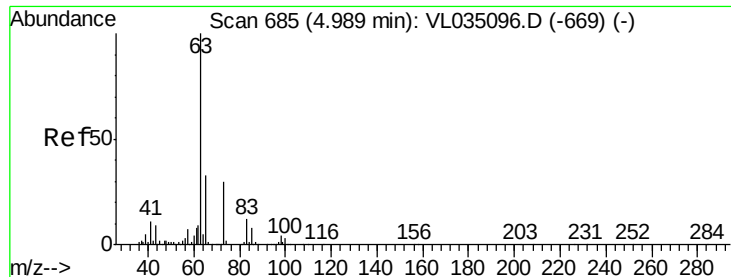
MMDadoda  
7/2/2020 5:00:39 PM



#22  
trans-1,2-Dichloroethene  
Concen: 0.792 ppbv  
RT: 4.88 min Scan# 652  
Delta R.T. 0.02 min  
Lab File: VL035129.D  
Acq: 30 Jun 2020 17:39

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 96    | Resp: | 42370 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 183.8 | 134.5 | 201.7 |
| 98       | 66.7  | 52.6  | 79.0  |





#24

1,1-Dichloroethane

Concen: 6.821 ppbv

RT: 5.02 min Scan# 693

Delta R.T. 0.03 min

Lab File: VL035129.D

Acq: 30 Jun 2020 17:39

Instrument :

MSVOA\_L

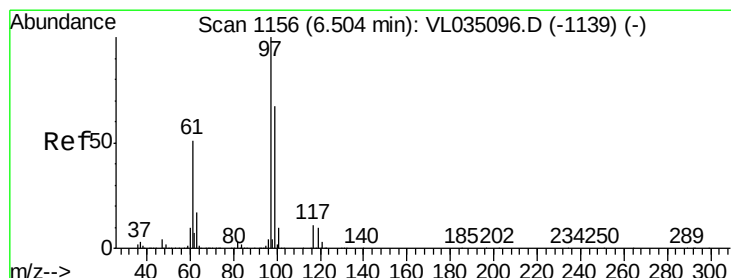
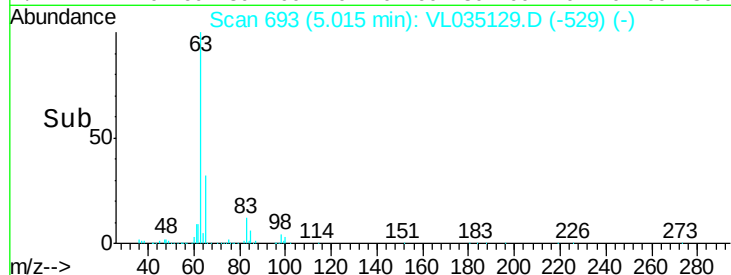
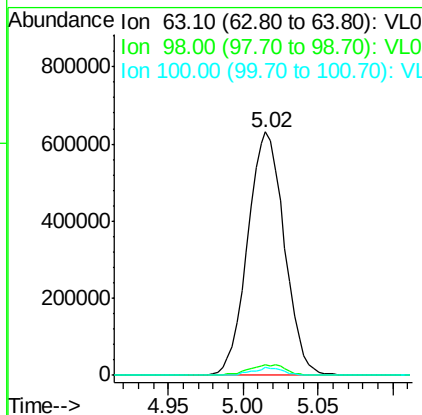
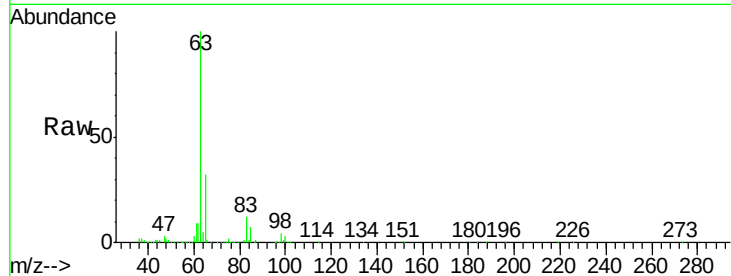
ClientSampleId :

MID

|          |       |       |         |
|----------|-------|-------|---------|
| Tot Ion: | 63    | Resp: | 1072810 |
| Ion      | Ratio | Lower | Upper   |
| 63       | 100   |       |         |
| 98       | 4.3   | 2.3   | 6.9     |
| 100      | 3.4   | 1.4   | 4.0     |

Manual Integrations  
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MMDadoda  
7/2/2020 5:00:39 PM



#32

1,1,1-Trichloroethane

Concen: 5.900 ppbv

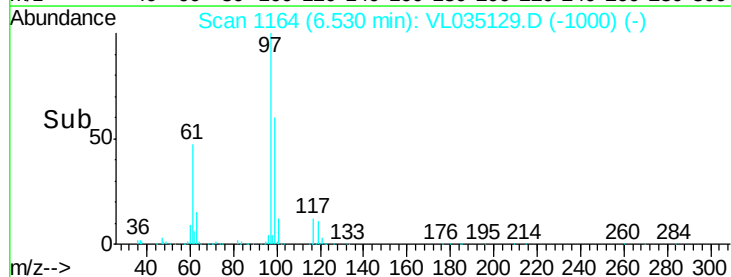
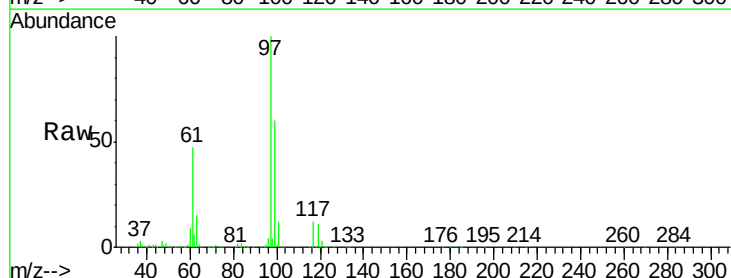
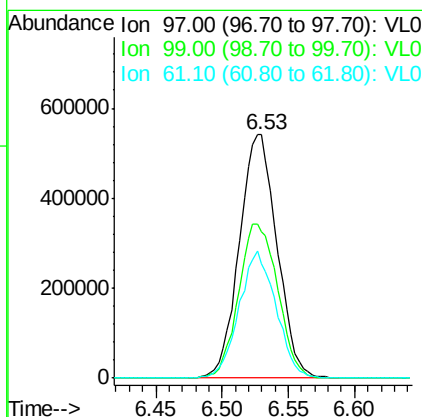
RT: 6.53 min Scan# 1164

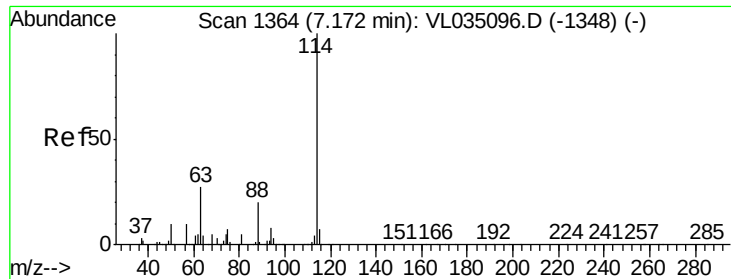
Delta R.T. 0.03 min

Lab File: VL035129.D

Acq: 30 Jun 2020 17:39

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 97    | Resp: | 1070898 |
| Ion      | Ratio | Lower | Upper   |
| 97       | 100   |       |         |
| 99       | 65.7  | 52.0  | 78.0    |
| 61       | 51.1  | 41.0  | 61.6    |





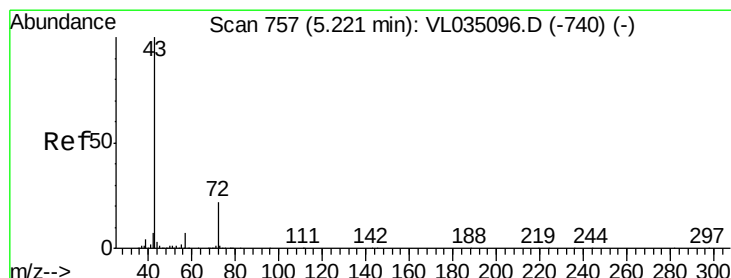
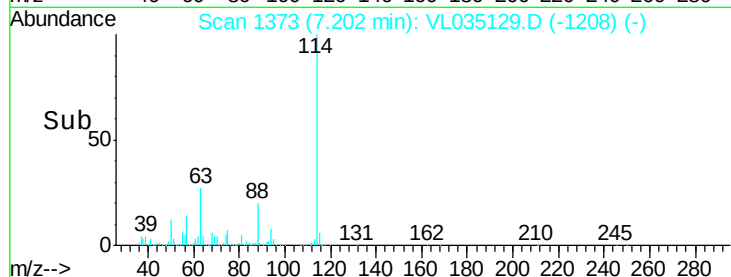
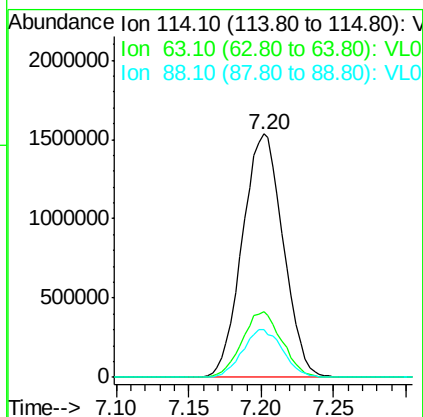
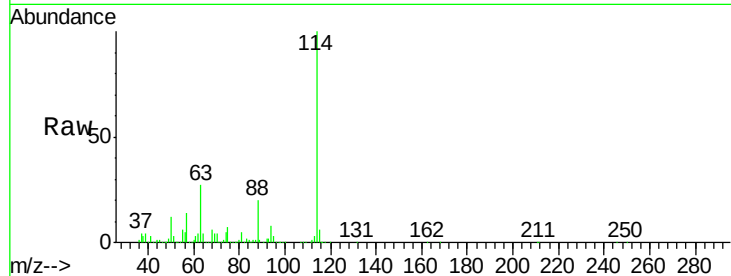
#33  
 1,4-Difluorobenzene  
 Concen: 10.000 ppbv  
 RT: 7.20 min Scan# 1373  
 Delta R.T. 0.03 min  
 Lab File: VL035129.D  
 Acq: 30 Jun 2020 17:39

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 MID

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 26.3  | 21.9  | 32.9  |
| 88      | 19.4  | 15.6  | 23.4  |

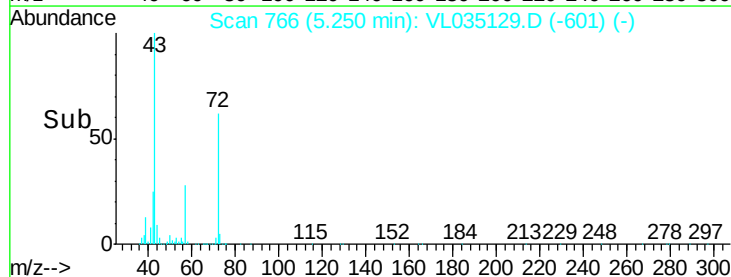
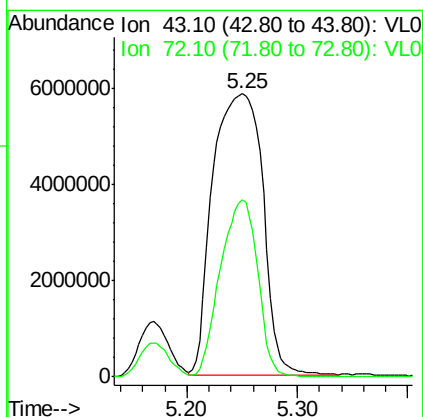
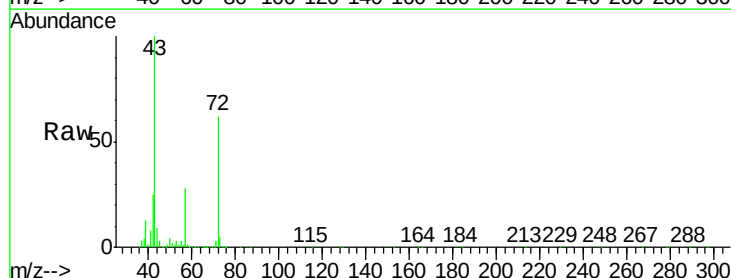
Manual Integrations  
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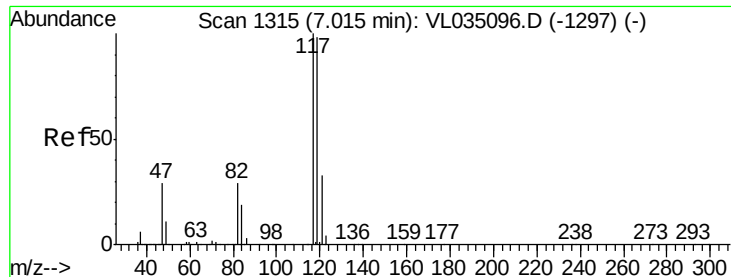
MMDadoda  
 7/2/2020 5:00:39 PM



#34  
 2-Butanone  
 Concen: 106.263 ppbv  
 RT: 5.25 min Scan# 766  
 Delta R.T. 0.03 min  
 Lab File: VL035129.D  
 Acq: 30 Jun 2020 17:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 72      | 47.1  | 18.3  | 27.5# |





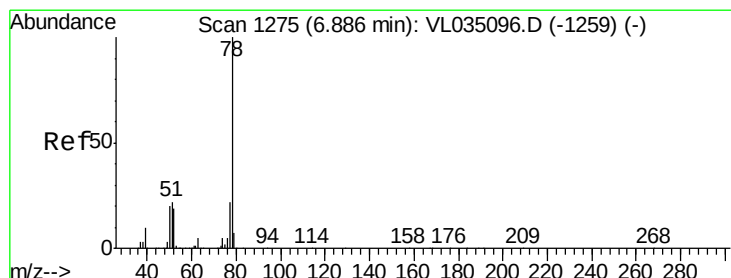
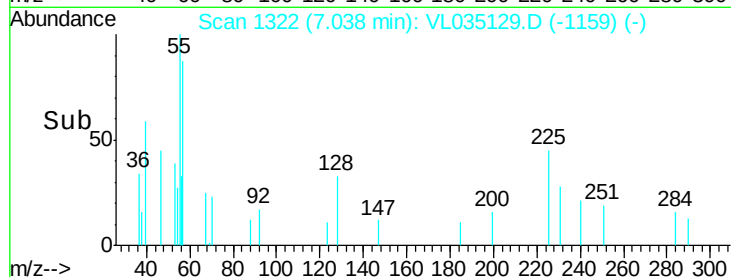
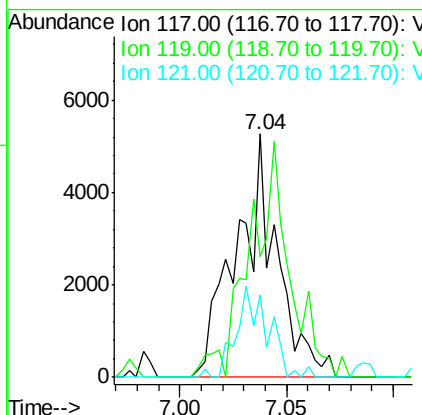
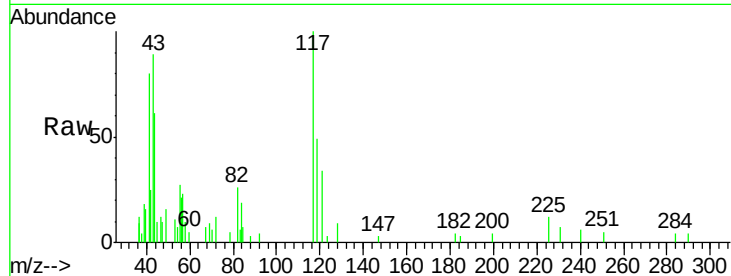
#35  
Carbon Tetrachloride  
Concen: 0.039 ppbv m  
RT: 7.04 min Scan# 1322  
Delta R.T. 0.02 min  
Lab File: VL035129.D  
Acq: 30 Jun 2020 17:39

Instrument :  
MSVOA\_L  
ClientSampleId :  
MID

| Tot Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 117     | 100   |       |        |
| 119     | 49.3  | 78.3  | 117.5# |
| 121     | 33.9  | 26.0  | 39.0   |

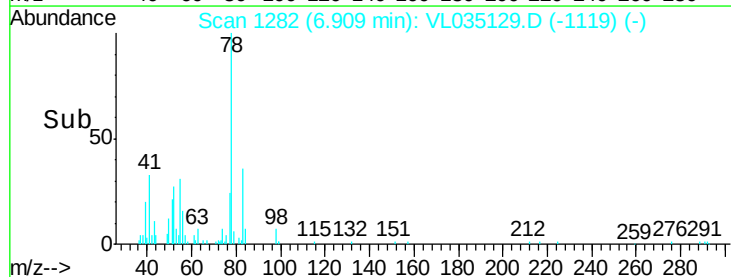
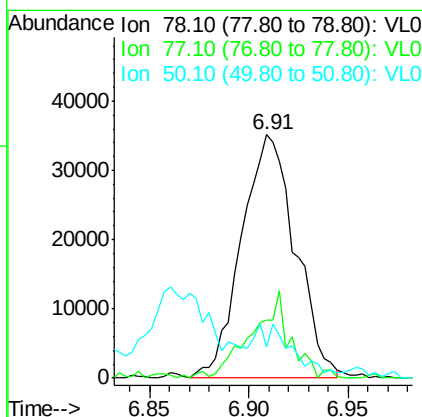
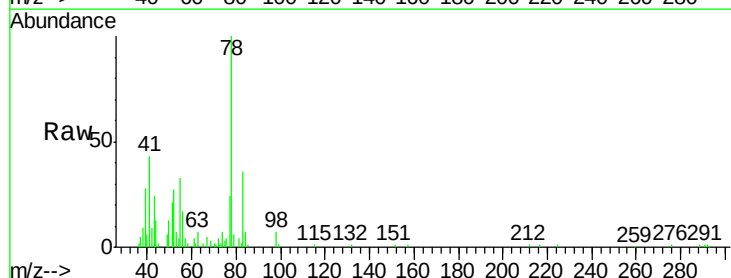
Manual Integrations  
APPROVED

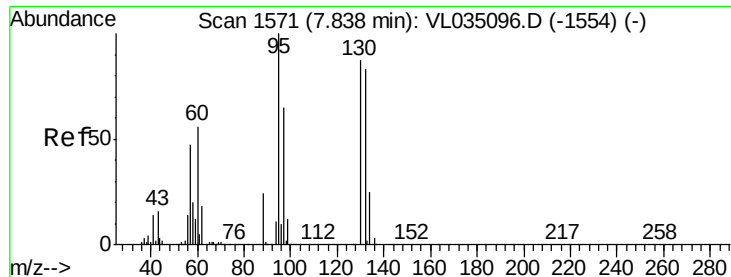
MMDadoda  
7/2/2020 5:00:39 PM



#36  
Benzene  
Concen: 0.284 ppbv m  
RT: 6.91 min Scan# 1282  
Delta R.T. 0.02 min  
Lab File: VL035129.D  
Acq: 30 Jun 2020 17:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 23.7  | 17.8  | 26.6  |
| 50      | 12.8  | 16.2  | 24.2# |





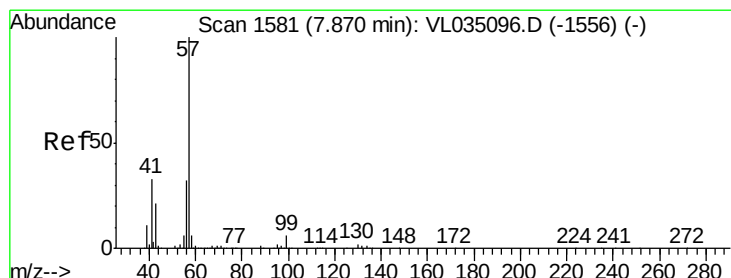
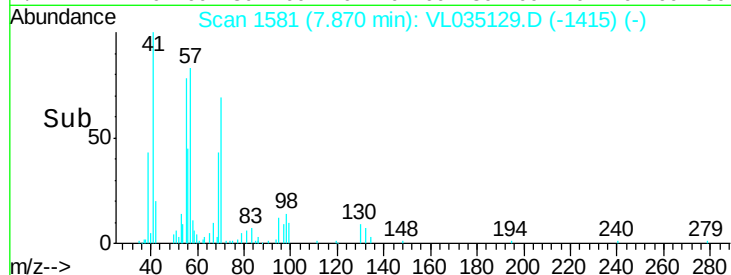
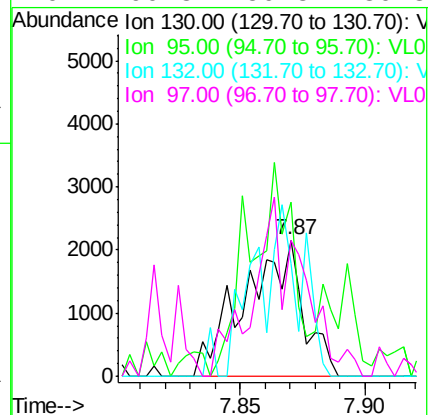
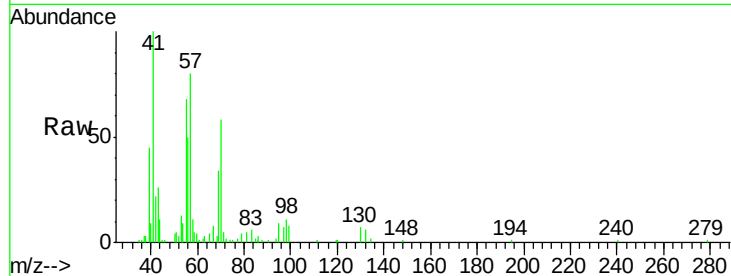
#38  
 Trichloroethene  
 Concen: 0.039 ppbv m  
 RT: 7.87 min Scan# 1581  
 Delta R.T. 0.03 min  
 Lab File: VL035129.D  
 Acq: 30 Jun 2020 17:39

Instrument :  
 MSVOA\_L  
 ClientSampled :  
 MID

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 130     | 100   |       |       |
| 95      | 127.6 | 91.4  | 137.2 |
| 132     | 82.4  | 75.8  | 113.6 |
| 97      | 99.8  | 59.8  | 89.8# |

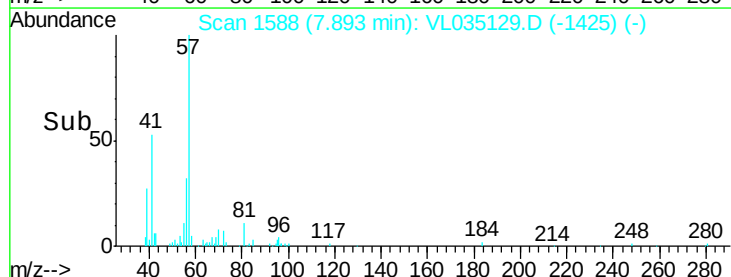
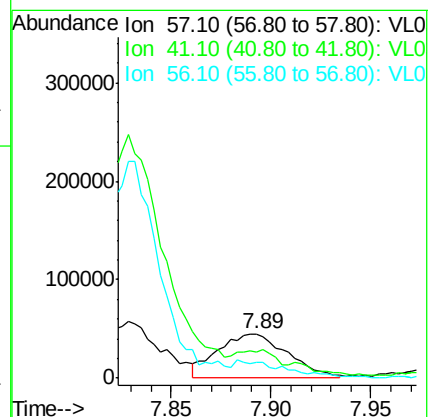
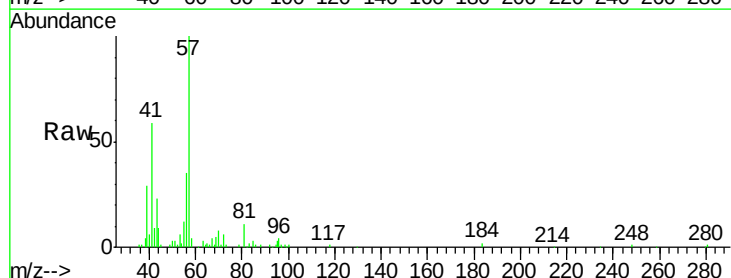
Manual Integrations  
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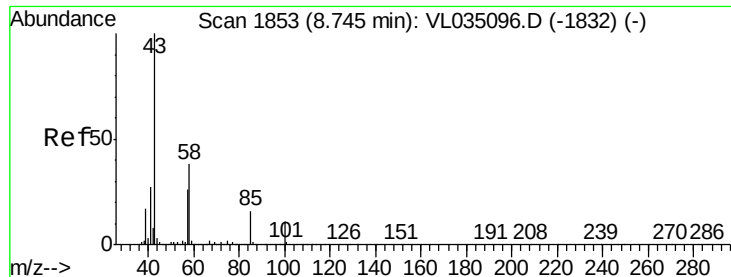
MMDadoda  
 7/2/2020 5:00:39 PM



#44  
 2,2,4-Trimethylpentane  
 Concen: 0.271 ppbv m  
 RT: 7.89 min Scan# 1588  
 Delta R.T. 0.02 min  
 Lab File: VL035129.D  
 Acq: 30 Jun 2020 17:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 57      | 100   |       |       |
| 41      | 534.1 | 26.2  | 39.2# |
| 56      | 425.9 | 25.4  | 38.2# |





#50

4-Methyl-2-Pentanone

Concen: 0.679 ppbv m

RT: 8.76 min Scan# 1859

Delta R.T. 0.02 min

Lab File: VL035129.D

Acq: 30 Jun 2020 17:39

Instrument :

MSVOA\_L

ClientSampleId :

MID

Tot Ion: 43 Resp: 166842

Ion Ratio Lower Upper

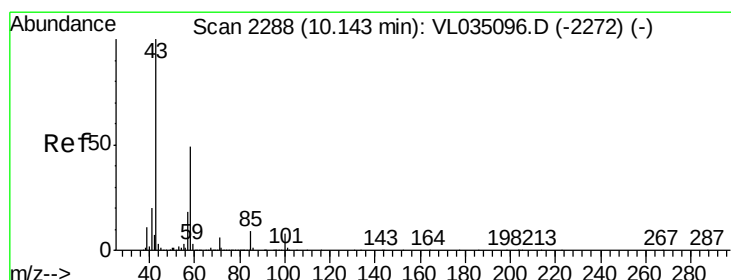
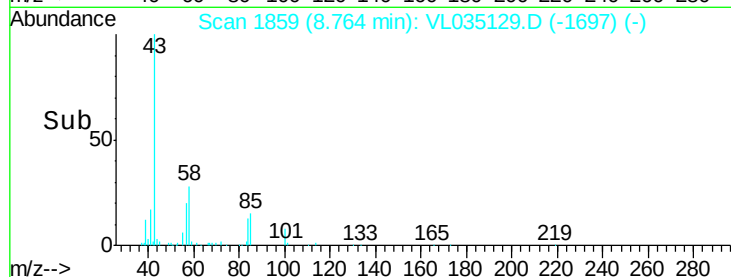
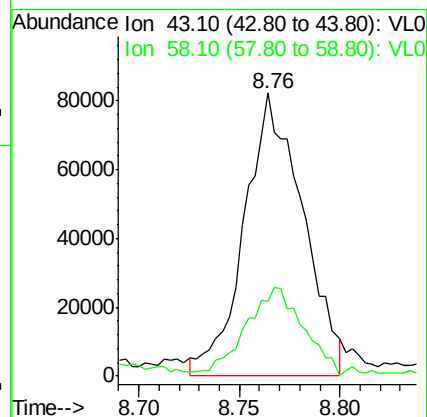
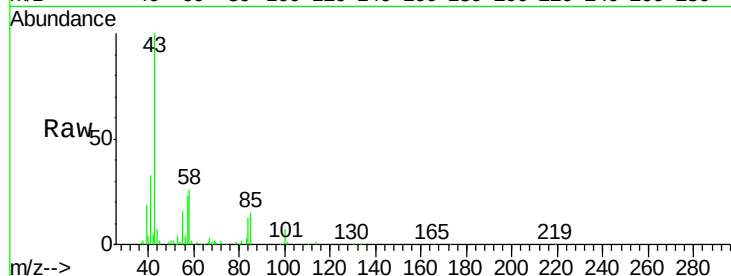
43 100

58 32.2 29.4 44.0

Manual Integrations  
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#51

2-Hexanone

Concen: 29.197 ppbv

RT: 10.16 min Scan# 2292

Delta R.T. 0.01 min

Lab File: VL035129.D

Acq: 30 Jun 2020 17:39

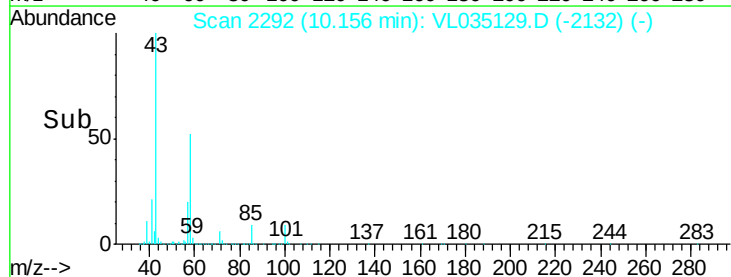
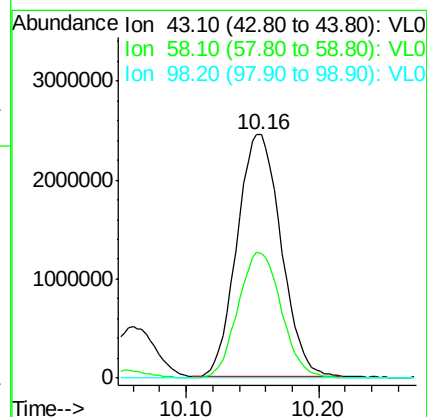
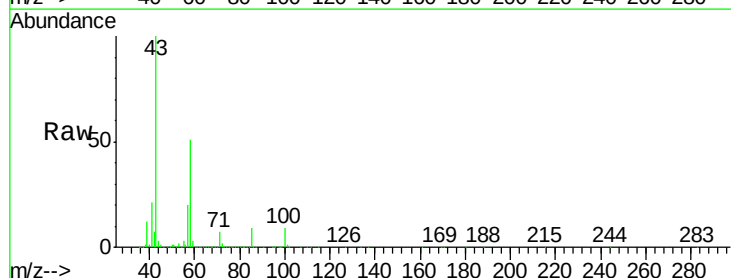
Tgt Ion: 43 Resp: 5621690

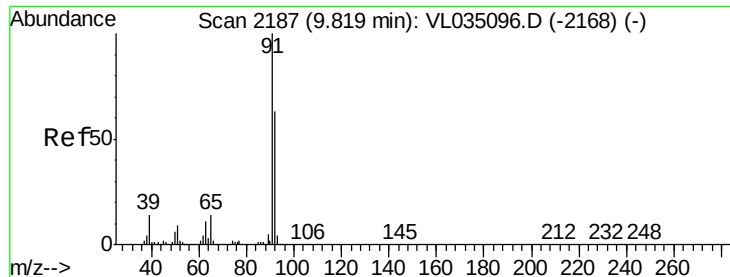
Ion Ratio Lower Upper

43 100

58 51.4 39.2 58.8

98 0.1 0.3 0.5#





#53

Toluene

Concen: 0.779 ppbv m

RT: 9.83 min Scan# 2192

Delta R.T. 0.02 min

Lab File: VL035129.D

Acq: 30 Jun 2020 17:39

Instrument :

MSVOA\_L

ClientSampled :

MID

Tot Ion: 91 Resp: 193952

Ion Ratio Lower Upper

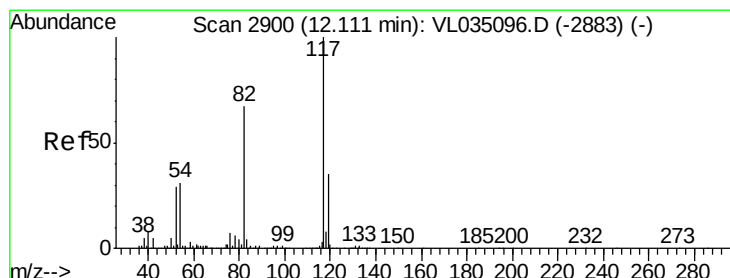
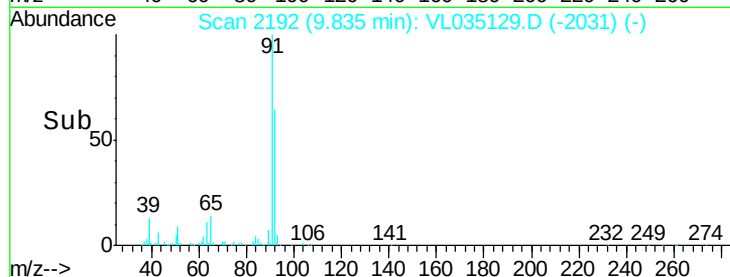
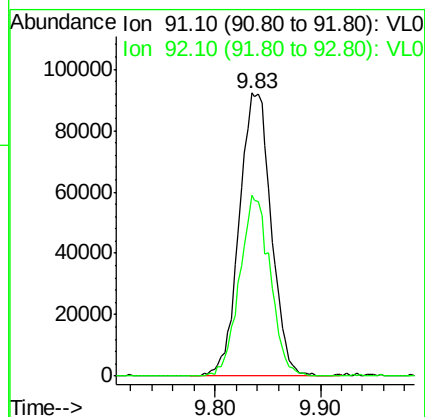
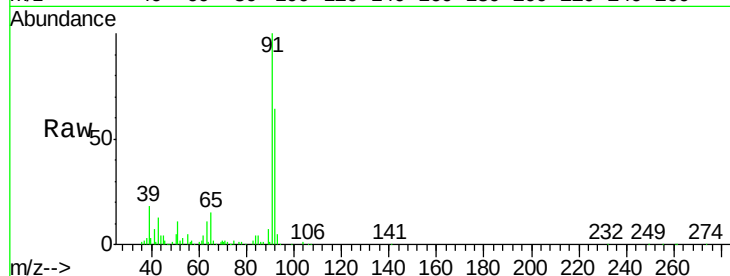
91 100

92 0.0 49.0 73.6#

Manual Integrations  
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MMDadoda

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#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.13 min Scan# 2905

Delta R.T. 0.02 min

Lab File: VL035129.D

Acq: 30 Jun 2020 17:39

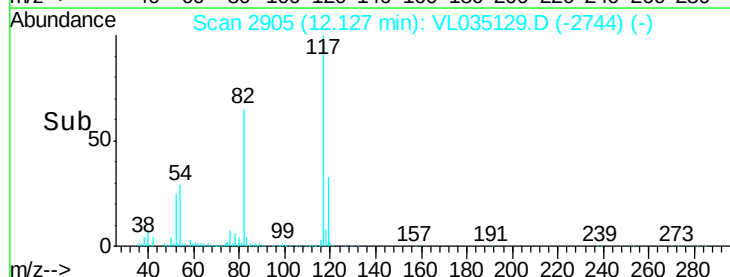
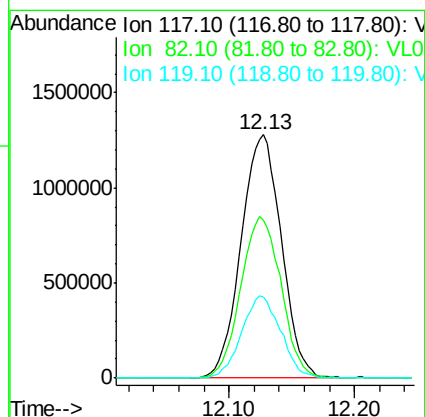
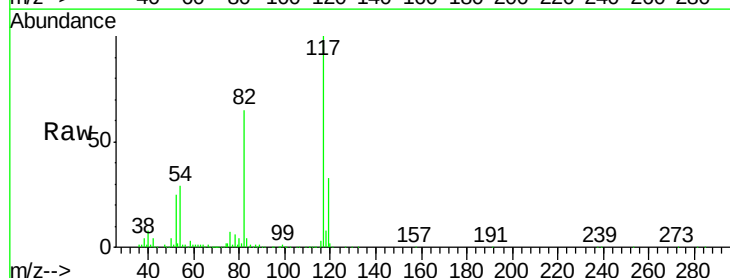
Tgt Ion: 117 Resp: 2856377

Ion Ratio Lower Upper

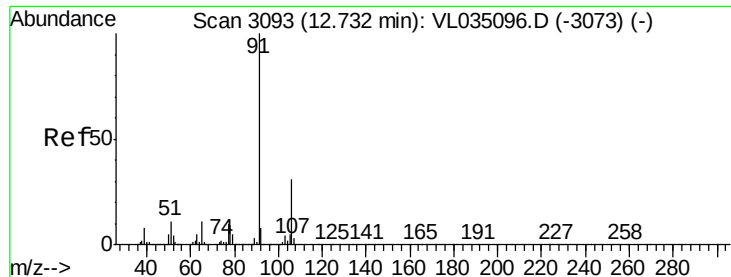
117 100

82 66.4 50.4 75.6

119 32.9 25.4 38.0







#58

Ethyl Benzene

Concen: 0.160 ppbv m

RT: 12.75 min Scan# 3098

Delta R.T. 0.02 min

Lab File: VL035129.D

Acq: 30 Jun 2020 17:39

Instrument :

MSVOA\_L

ClientSampled :

MID

Tot Ion: 91 Resp: 51192

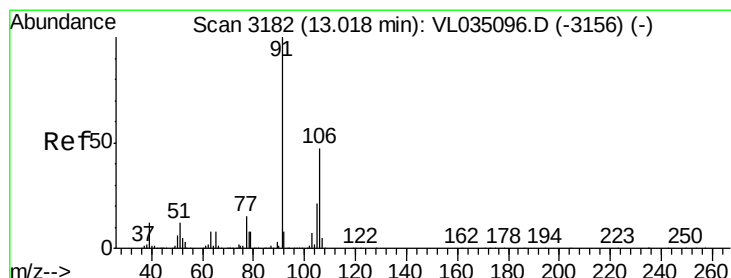
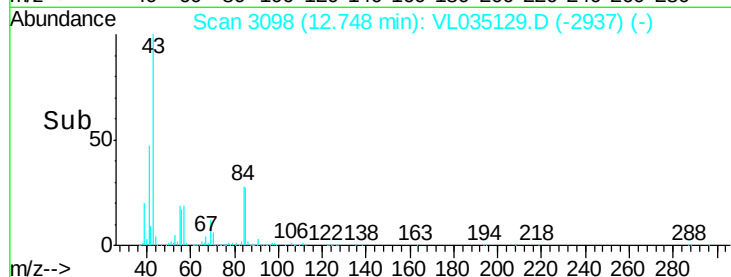
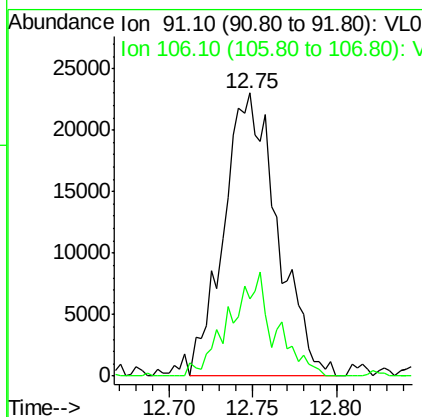
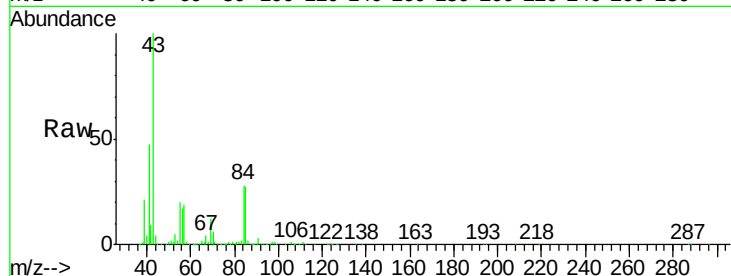
Ion Ratio Lower Upper

91 100

106 27.3 25.0 37.6

Manual Integrations  
APPROVED

MMDadoda  
7/2/2020 5:00:39 PM



#59

m/p-Xylene

Concen: 0.399 ppbv m

RT: 13.01 min Scan# 3178

Delta R.T. -0.01 min

Lab File: VL035129.D

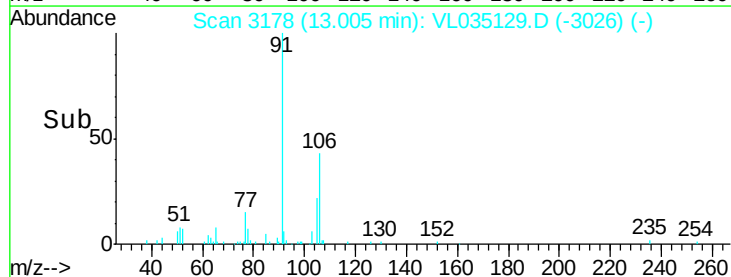
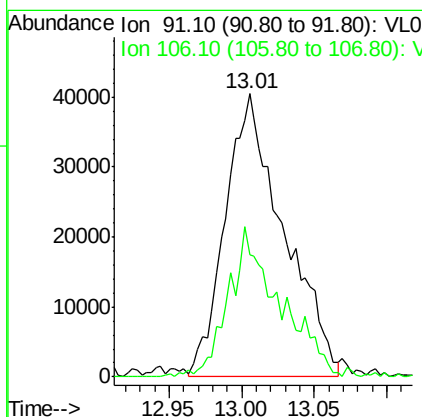
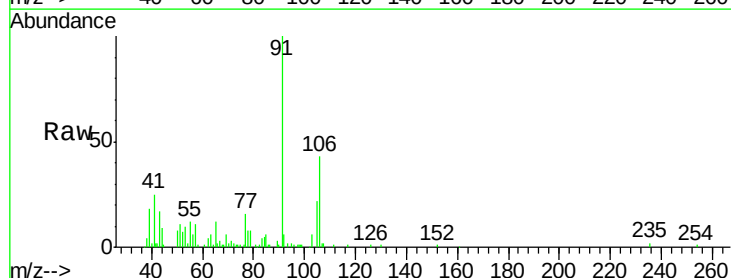
Acq: 30 Jun 2020 17:39

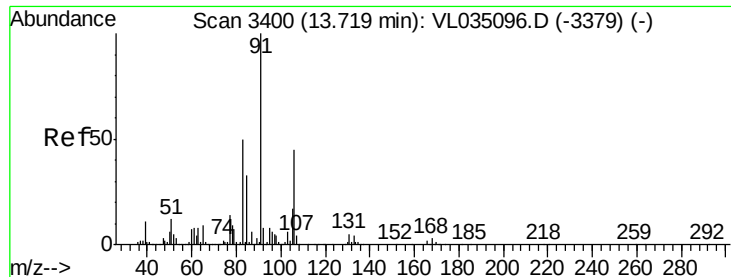
Tgt Ion: 91 Resp: 113353

Ion Ratio Lower Upper

91 100

106 0.0 36.5 54.7#





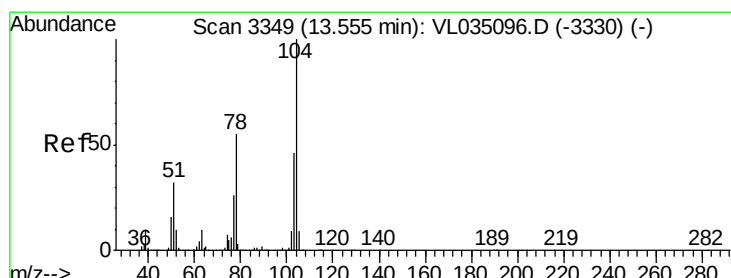
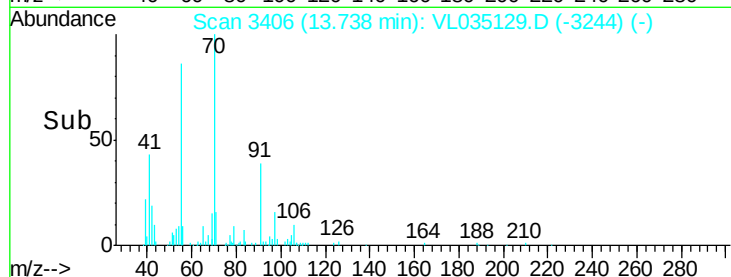
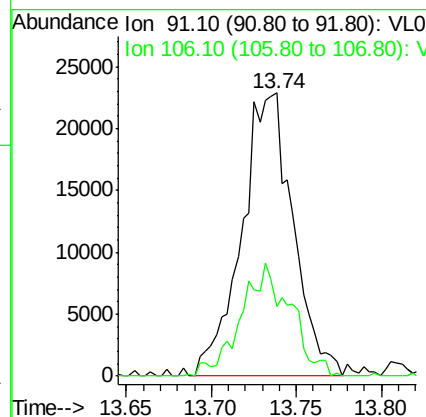
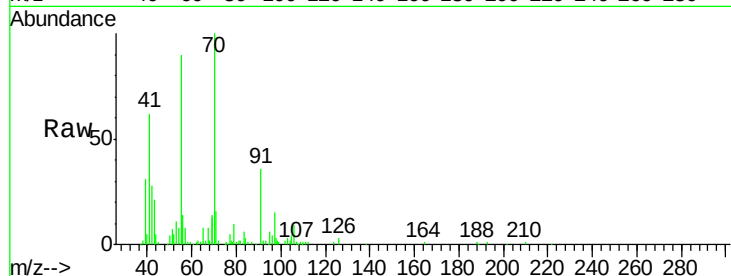
#60  
o-Xylene  
Concen: 0.170 ppbv m  
RT: 13.74 min Scan# 3406  
Delta R.T. 0.02 min  
Lab File: VL035129.D  
Acq: 30 Jun 2020 17:39

Instrument :  
MSVOA\_L  
ClientSampled :  
MID

Tot Ion: 91 Resp: 48036  
Ion Ratio Lower Upper  
91 100  
106 38.4 22.1 66.5

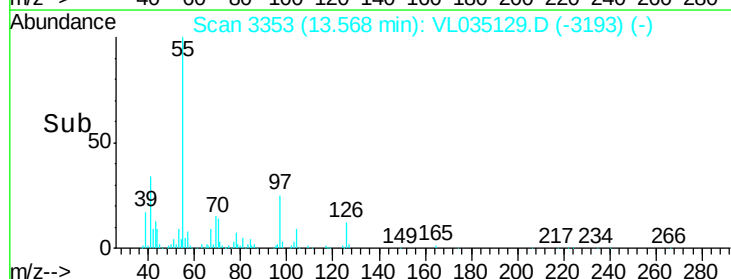
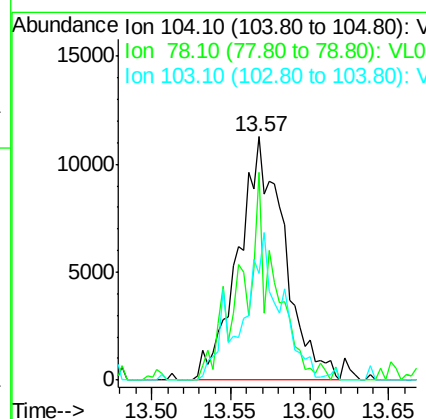
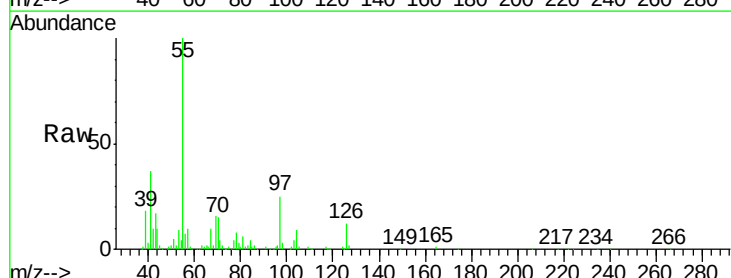
Manual Integrations  
APPROVED

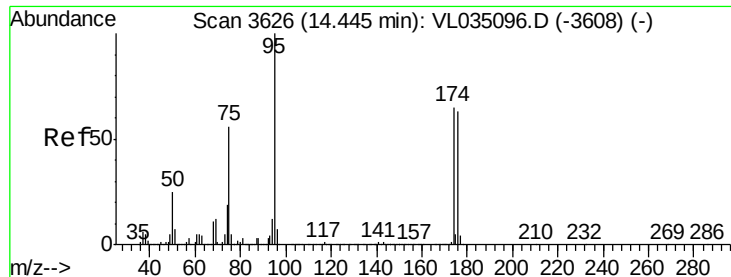
MMDadoda  
7/2/2020 5:00:39 PM



#61  
Styrene  
Concen: 0.127 ppbv m  
RT: 13.57 min Scan# 3353  
Delta R.T. 0.01 min  
Lab File: VL035129.D  
Acq: 30 Jun 2020 17:39

Tgt Ion: 104 Resp: 22684  
Ion Ratio Lower Upper  
104 100  
78 0.0 43.4 65.0#  
103 51.7 38.3 57.5





#68

1-Bromo-4-Fluorobenzene

Concen: 9.950 ppbv

RT: 14.46 min Scan# 3631

Delta R.T. 0.02 min

Lab File: VL035129.D

Acq: 30 Jun 2020 17:39

Instrument :

MSVOA\_L

ClientSampled :

MID

Tot Ion: 95 Resp: 2360906

Ion Ratio Lower Upper

95 100

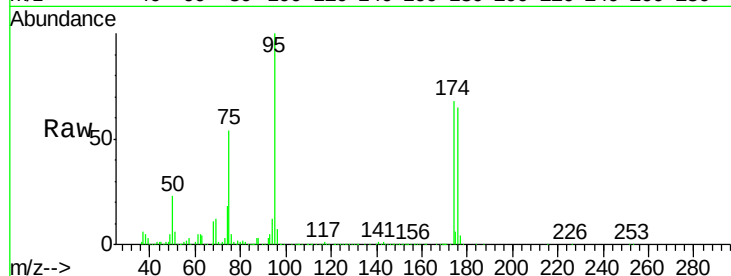
174 67.0 52.2 78.2

175 5.1 4.0 6.0

Manual Integrations  
APPROVED

MMDadoda

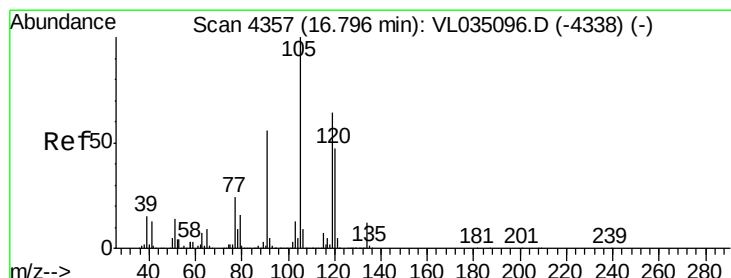
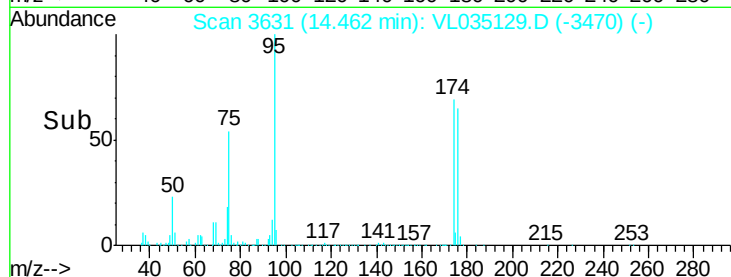
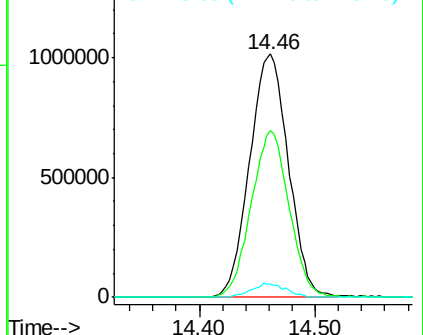
7/2/2020 5:00:39 PM



Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V



#74

1,2,4-Trimethylbenzene

Concen: 0.184 ppbv m

RT: 16.81 min Scan# 4360

Delta R.T. 0.01 min

Lab File: VL035129.D

Acq: 30 Jun 2020 17:39

Tgt Ion: 105 Resp: 60992

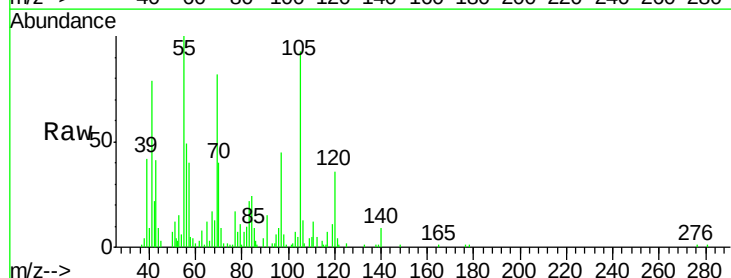
Ion Ratio Lower Upper

105 100

120 38.4 37.9 56.9

91 16.1 46.0 69.0#

77 18.1 19.4 29.2#

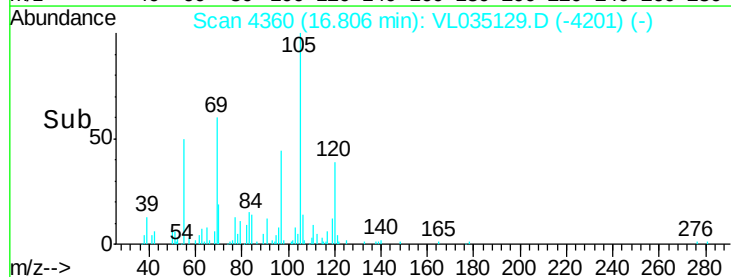
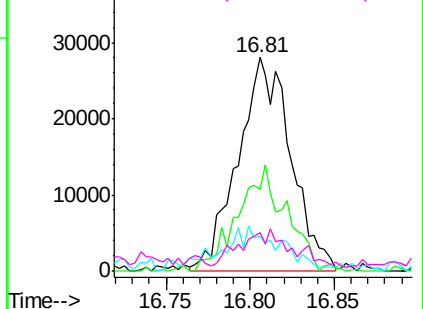


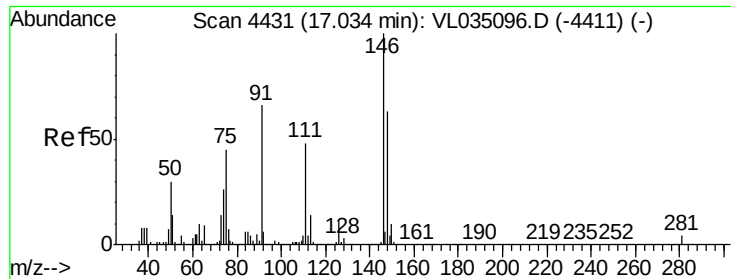
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





#75  
 1,3-Dichlorobenzene  
 Concen: 0.340 ppbv m  
 RT: 17.04 min Scan# 4434  
 Delta R.T. 0.01 min  
 Lab File: VL035129.D  
 Acq: 30 Jun 2020 17:39

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 MID

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 74.3  | 24.1  | 72.4# |
| 148     | 64.7  | 32.3  | 96.8  |

Manual Integrations  
 APPROVED

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 7/2/2020 5:00:39 PM

