

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY042120\  
 Data File : VY002429.D  
 Acq On : 21 Apr 2020 13:50  
 Operator : SY/MD  
 Sample : VY0421SBS01  
 Misc : 5.00G/5ML/MSVOA Y/SOIL  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0421SBS01

Manual Integrations  
 APPROVED

MMDadoda  
 4/22/2020 11:44:25 AM

Quant Time: Apr 21 16:03:55 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y042020S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Apr 20 15:14:11 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.80  | 168  | 278472   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.70  | 114  | 424714   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.49 | 117  | 381464   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.43 | 152  | 177519   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 8.16  | 65   | 103050   | 50.88 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 101.76% |          |
| 35) Dibromofluoromethane    | 7.74  | 113  | 116068   | 51.96 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 103.92% |          |
| 50) Toluene-d8              | 10.18 | 98   | 472056   | 52.25 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 104.50% |          |
| 62) 4-Bromofluorobenzene    | 12.49 | 95   | 155631   | 52.17 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 104.34% |          |

| Target Compounds              | R.T. | QIon | Response | Conc    | Units | Qvalue |
|-------------------------------|------|------|----------|---------|-------|--------|
| 2) Dichlorodifluoromethane    | 1.91 | 85   | 37554    | 19.739  | ug/l  | 99     |
| 3) Chloromethane              | 2.12 | 50   | 47715    | 20.542  | ug/l  | 100    |
| 4) Vinyl Chloride             | 2.26 | 62   | 51280    | 20.492  | ug/l  | 96     |
| 5) Bromomethane               | 2.66 | 94   | 29092    | 17.928  | ug/l  | 91     |
| 6) Chloroethane               | 2.80 | 64   | 25715    | 17.406  | ug/l  | 96     |
| 7) Trichlorofluoromethane     | 3.14 | 101  | 73386    | 18.842  | ug/l  | 96     |
| 8) Diethyl Ether              | 3.55 | 74   | 30071    | 19.563  | ug/l  | 99     |
| 9) 1,1,2-Trichlorotrifluoroet | 3.92 | 101  | 49976    | 19.617  | ug/l  | 99     |
| 10) Methyl Iodide             | 4.11 | 142  | 60526    | 17.619  | ug/l  | 99     |
| 11) Tert butyl alcohol        | 4.97 | 59   | 23782    | 98.251  | ug/l  | 98     |
| 12) 1,1-Dichloroethene        | 3.89 | 96   | 51930    | 19.639  | ug/l  | 97     |
| 13) Acrolein                  | 3.75 | 56   | 20492    | 86.145  | ug/l  | 100    |
| 14) Allyl chloride            | 4.50 | 41   | 61453    | 18.896  | ug/l  | 98     |
| 15) Acrylonitrile             | 5.19 | 53   | 68977    | 100.120 | ug/l  | 98     |
| 16) Acetone                   | 3.97 | 43   | 56415    | 104.233 | ug/l  | 99     |
| 17) Carbon Disulfide          | 4.21 | 76   | 153256   | 19.021  | ug/l  | 99     |
| 18) Methyl Acetate            | 4.49 | 43   | 29643    | 19.161  | ug/l  | 99     |
| 19) Methyl tert-butyl Ether   | 5.24 | 73   | 120874   | 19.464  | ug/l  | 100    |
| 20) Methylene Chloride        | 4.74 | 84   | 67227    | 22.197  | ug/l  | 97     |
| 21) trans-1,2-Dichloroethene  | 5.24 | 96   | 56382    | 19.703  | ug/l  | 95     |
| 22) Diisopropyl ether         | 6.14 | 45   | 124465   | 19.089  | ug/l  | 97     |
| 23) Vinyl Acetate             | 6.08 | 43   | 397149   | 96.699  | ug/l  | 100    |
| 24) 1,1-Dichloroethane        | 6.04 | 63   | 80930    | 19.572  | ug/l  | 98     |
| 25) 2-Butanone                | 7.00 | 43   | 75408    | 97.742  | ug/l  | 100    |
| 26) 2,2-Dichloropropane       | 7.00 | 77   | 70510    | 19.479  | ug/l  | 100    |
| 27) cis-1,2-Dichloroethene    | 7.00 | 96   | 60577    | 19.519  | ug/l  | 99     |
| 28) Bromochloromethane        | 7.35 | 49   | 31549    | 20.023  | ug/l  | 97     |
| 29) Tetrahydrofuran           | 7.36 | 42   | 47614    | 96.226  | ug/l  | 97     |
| 30) Chloroform                | 7.52 | 83   | 80878    | 18.953  | ug/l  | 99     |
| 31) Cyclohexane               | 7.80 | 56   | 79108    | 18.875  | ug/l  | 97     |
| 32) 1,1,1-Trichloroethane     | 7.72 | 97   | 73602    | 19.529  | ug/l  | 98     |
| 36) 1,1-Dichloropropene       | 7.93 | 75   | 65896    | 19.282  | ug/l  | 99     |
| 37) Ethyl Acetate             | 7.09 | 43   | 31420    | 19.661  | ug/l  | 98     |
| 38) Carbon Tetrachloride      | 7.91 | 117  | 66948    | 19.449  | ug/l  | 95     |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY042120\  
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 Sample : VY0421SBS01  
 Misc : 5.00G/5ML/MSVOA Y/SOIL  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0421SBS01

Manual Integrations  
 APPROVED

MMDadoda  
 4/22/2020 11:44:25 AM

Quant Time: Apr 21 16:03:55 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y042020S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Apr 20 15:14:11 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 9.19  | 83   | 90548    | 19.191  | ug/l   | 97       |
| 40) Benzene                    | 8.18  | 78   | 206819   | 19.663  | ug/l   | 100      |
| 41) Methacrylonitrile          | 7.33  | 41   | 14169m   | 16.648  | ug/l   |          |
| 42) 1,2-Dichloroethane         | 8.25  | 62   | 48052    | 19.391  | ug/l   | 99       |
| 43) Isopropyl Acetate          | 8.28  | 43   | 57429    | 19.164  | ug/l   | 100      |
| 44) Trichloroethene            | 8.95  | 130  | 70674    | 20.098  | ug/l   | 99       |
| 45) 1,2-Dichloropropane        | 9.22  | 63   | 47154    | 19.627  | ug/l   | 97       |
| 46) Dibromomethane             | 9.32  | 93   | 28004    | 19.972  | ug/l   | 98       |
| 47) Bromodichloromethane       | 9.50  | 83   | 61721    | 19.402  | ug/l   | 96       |
| 48) Methyl methacrylate        | 9.30  | 41   | 25096    | 18.756  | ug/l   | 95       |
| 49) 1,4-Dioxane                | 9.31  | 88   | 7846     | 379.547 | ug/l   | 98       |
| 51) 4-Methyl-2-Pentanone       | 10.08 | 43   | 157666   | 101.299 | ug/l   | 99       |
| 52) Toluene                    | 10.25 | 92   | 129888   | 19.513  | ug/l   | 98       |
| 53) t-1,3-Dichloropropene      | 10.47 | 75   | 66260    | 19.474  | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene    | 9.93  | 75   | 80480    | 19.888  | ug/l   | 97       |
| 55) 1,1,2-Trichloroethane      | 10.65 | 97   | 42350    | 20.137  | ug/l   | 98       |
| 56) Ethyl methacrylate         | 10.52 | 69   | 53620    | 19.794  | ug/l   | 99       |
| 57) 1,3-Dichloropropane        | 10.80 | 76   | 68447    | 19.880  | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether  | 9.79  | 63   | 135885   | 101.265 | ug/l   | 100      |
| 59) 2-Hexanone                 | 10.83 | 43   | 110494   | 100.026 | ug/l   | 99       |
| 60) Dibromochloromethane       | 10.99 | 129  | 49226    | 19.433  | ug/l   | 99       |
| 61) 1,2-Dibromoethane          | 11.09 | 107  | 40921    | 19.943  | ug/l   | 99       |
| 64) Tetrachloroethene          | 10.72 | 164  | 81742    | 20.085  | ug/l   | 98       |
| 65) Chlorobenzene              | 11.52 | 112  | 145130   | 19.832  | ug/l   | 97       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.60 | 131  | 50082    | 19.399  | ug/l   | 99       |
| 67) Ethyl Benzene              | 11.60 | 91   | 247075   | 19.521  | ug/l   | 97       |
| 68) m/p-Xylenes                | 11.70 | 106  | 194090   | 39.681  | ug/l   | 99       |
| 69) o-Xylene                   | 12.03 | 106  | 91722    | 19.904  | ug/l   | 99       |
| 70) Styrene                    | 12.05 | 104  | 157241   | 19.933  | ug/l   | 99       |
| 71) Bromoform                  | 12.21 | 173  | 31253    | 19.782  | ug/l # | 96       |
| 73) Isopropylbenzene           | 12.33 | 105  | 247530   | 21.246  | ug/l   | 100      |
| 74) N-amyl acetate             | 12.14 | 43   | 51709    | 20.305  | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.58 | 83   | 29791    | 20.770  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane     | 12.64 | 75   | 29800m   | 19.055  | ug/l   |          |
| 77) Bromobenzene               | 12.61 | 156  | 62131    | 21.169  | ug/l   | 99       |
| 78) n-propylbenzene            | 12.67 | 91   | 285639   | 20.756  | ug/l   | 99       |
| 79) 2-Chlorotoluene            | 12.76 | 91   | 155171   | 20.652  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene     | 12.81 | 105  | 198845   | 20.700  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-buten | 12.38 | 75   | 16984    | 21.165  | ug/l   | 98       |
| 82) 4-Chlorotoluene            | 12.86 | 91   | 162641   | 20.594  | ug/l # | 100      |
| 83) tert-Butylbenzene          | 13.08 | 119  | 176183   | 21.126  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene     | 13.13 | 105  | 200862   | 20.872  | ug/l   | 99       |
| 85) sec-Butylbenzene           | 13.25 | 105  | 239181   | 20.156  | ug/l   | 100      |
| 86) p-Isopropyltoluene         | 13.38 | 119  | 217241   | 20.185  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene        | 13.37 | 146  | 112245   | 20.559  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 13.45 | 146  | 110583   | 20.012  | ug/l   | 99       |
| 89) n-Butylbenzene             | 13.70 | 91   | 189911   | 18.926  | ug/l   | 100      |
| 90) Hexachloroethane           | 13.97 | 117  | 38806    | 19.232  | ug/l   | 99       |
| 91) 1,2-Dichlorobenzene        | 13.74 | 146  | 102464   | 20.503  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.36 | 75   | 6404     | 19.560  | ug/l   | 97       |

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Sample : VY0421SBS01  
Misc : 5.00G/5ML/MSVOA Y/SOIL  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0421SBS01

Manual Integrations  
APPROVED

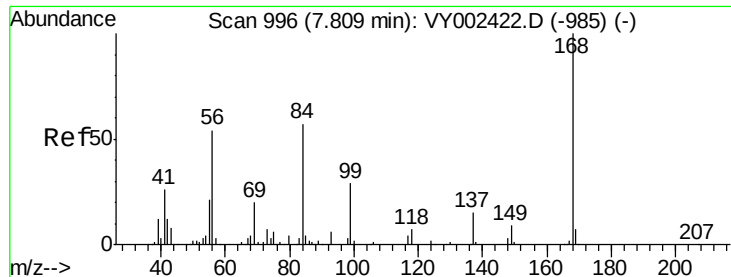
MMDadoda  
4/22/2020 11:44:25 AM

Quant Time: Apr 21 16:03:55 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y042020S.M  
Quant Title : SW846 8260  
QLast Update : Mon Apr 20 15:14:11 2020  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 15.02 | 180  | 74958    | 20.938 | ug/l  | 99       |
| 94) Hexachlorobutadiene    | 15.12 | 225  | 41884    | 21.335 | ug/l  | 99       |
| 95) Naphthalene            | 15.24 | 128  | 142595   | 20.548 | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 15.43 | 180  | 63645    | 20.480 | ug/l  | 99       |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.01 min

Lab File: VY002429.D

Acq: 21 Apr 2020 13:50

Instrument :

MSVOA\_Y

ClientSampleId :

VY0421SBS01

Tot Ion:168 Resp: 278472

Ion Ratio Lower Upper

168 100

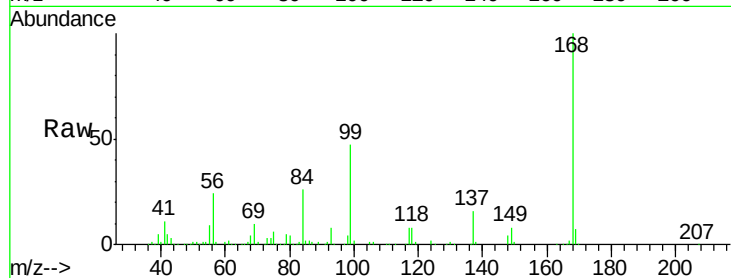
99 46.8 37.0 55.4

Manual Integrations

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4/22/2020 11:44:25 AM



Abundance Ion 167.90 (167.60 to 168.60): VY0

Ion 98.90 (98.60 to 99.60): VY0

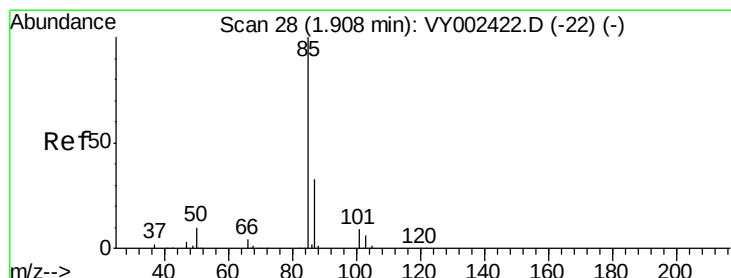
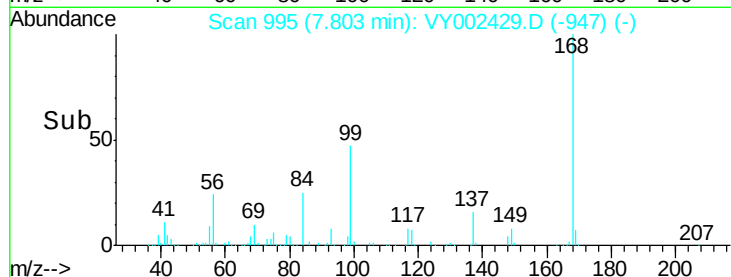
7.80

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 19.739 ug/l

RT: 1.91 min Scan# 29

Delta R.T. 0.01 min

Lab File: VY002429.D

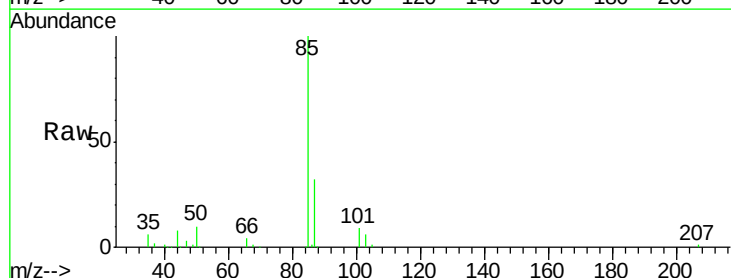
Acq: 21 Apr 2020 13:50

Tgt Ion: 85 Resp: 37554

Ion Ratio Lower Upper

85 100

87 32.3 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VY0

Ion 86.90 (86.60 to 87.60): VY0

1.91

30000

25000

20000

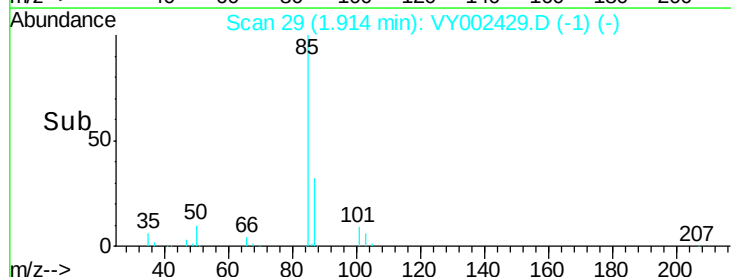
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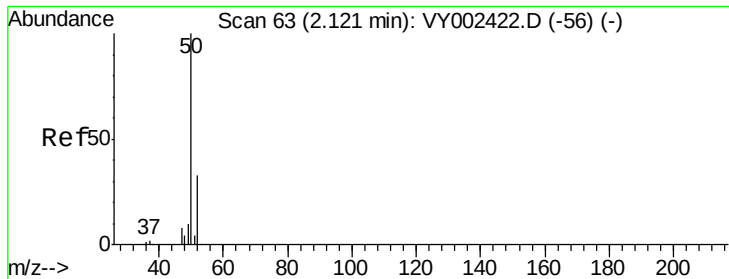
10000

5000

0

Time-->





#3

Chloromethane

Concen: 20.542 ug/l

RT: 2.12 min Scan# 63

Delta R.T. -0.00 min

Lab File: VY002429.D

Acq: 21 Apr 2020 13:50

Instrument :

MSVOA\_Y

ClientSampleId :

VY0421SBS01

Tot Ion: 50 Resp: 47715

Ion Ratio Lower Upper

50 100

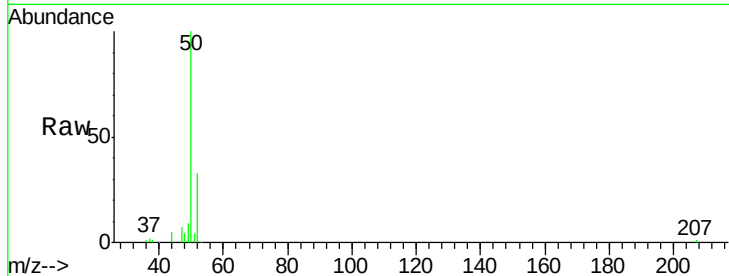
52 33.4 26.7 40.1

Manual Integrations

APPROVED

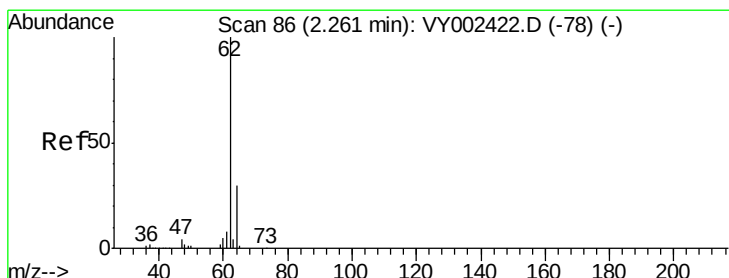
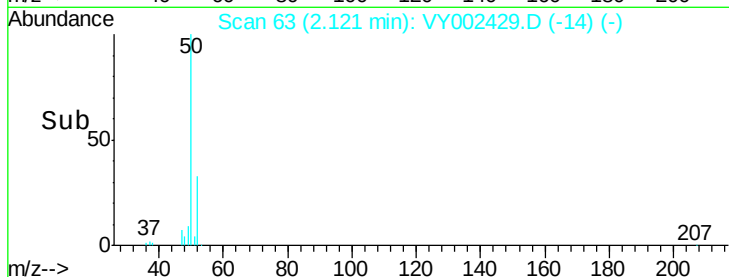
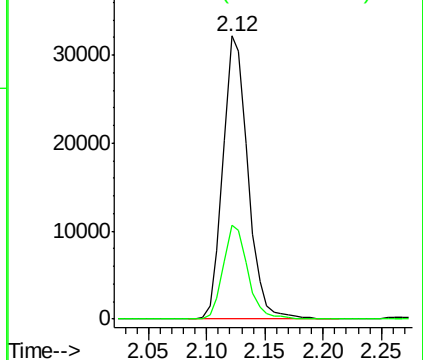
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4/22/2020 11:44:25 AM



Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0



#4

Vinyl Chloride

Concen: 20.492 ug/l

RT: 2.26 min Scan# 86

Delta R.T. -0.00 min

Lab File: VY002429.D

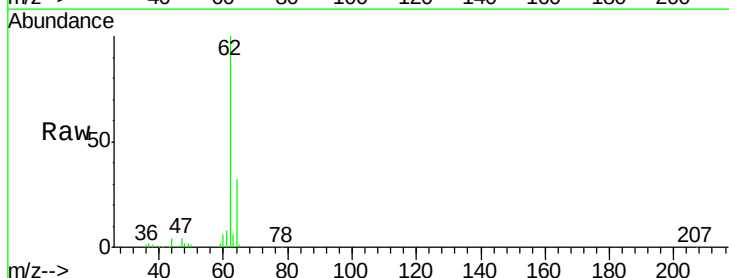
Acq: 21 Apr 2020 13:50

Tgt Ion: 62 Resp: 51280

Ion Ratio Lower Upper

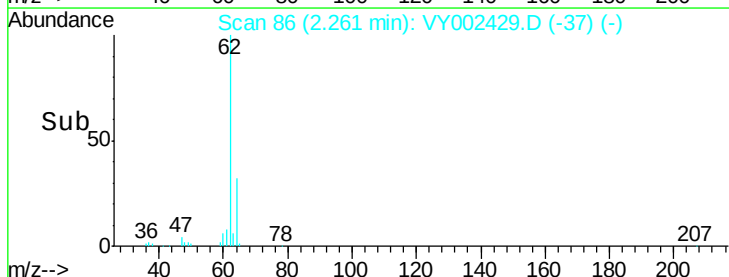
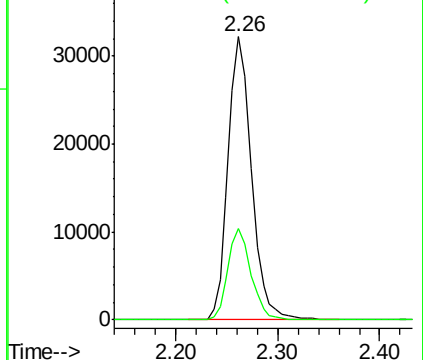
62 100

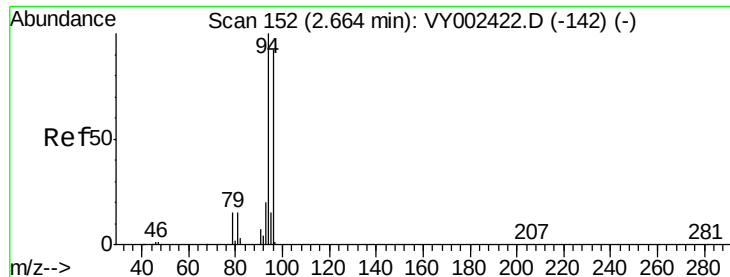
64 32.2 24.1 36.1



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0





#5

Bromomethane

Concen: 17.928 ug/l

RT: 2.66 min Scan# 151

Delta R.T. -0.01 min

Lab File: VY002429.D

Acq: 21 Apr 2020 13:50

Instrument :

MSVOA\_Y

ClientSampleId :

VY0421SBS01

Tot Ion: 94 Resp: 29092

Ion Ratio Lower Upper

94 100

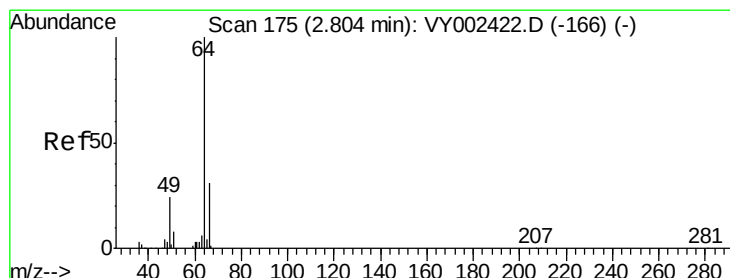
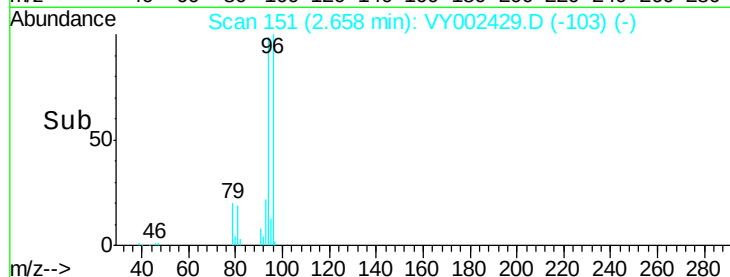
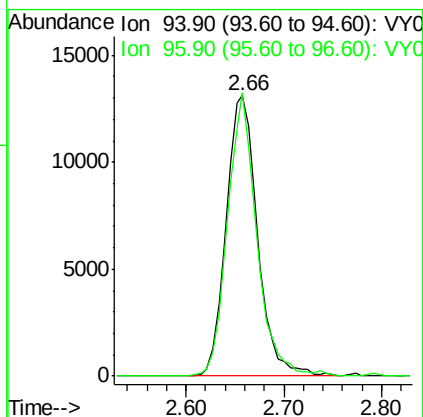
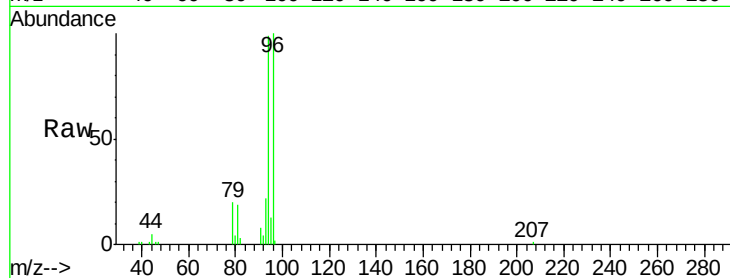
96 100.9 73.5 110.3

Manual Integrations

APPROVED

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4/22/2020 11:44:25 AM



#6

Chloroethane

Concen: 17.406 ug/l

RT: 2.80 min Scan# 175

Delta R.T. -0.00 min

Lab File: VY002429.D

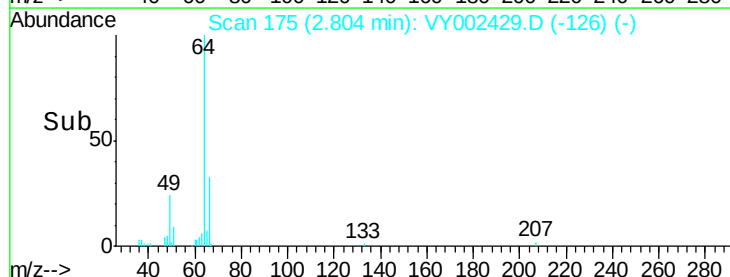
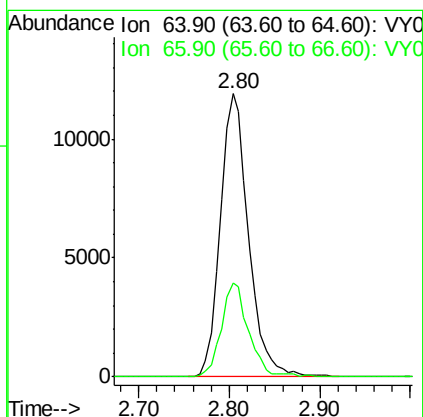
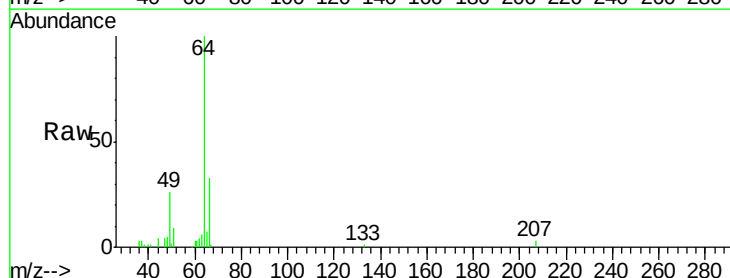
Acq: 21 Apr 2020 13:50

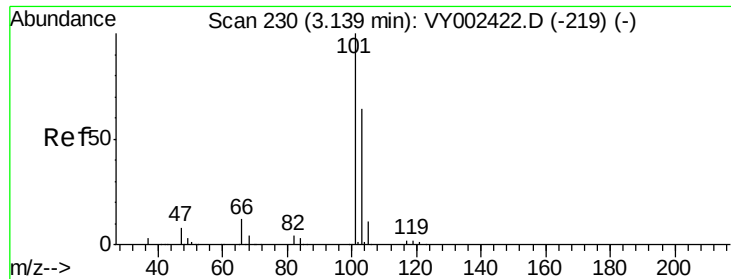
Tgt Ion: 64 Resp: 25715

Ion Ratio Lower Upper

64 100

66 33.4 25.0 37.6





#7

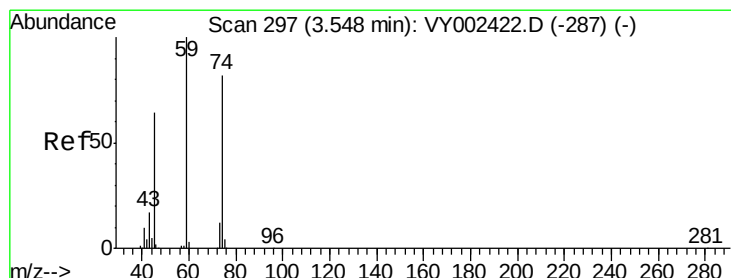
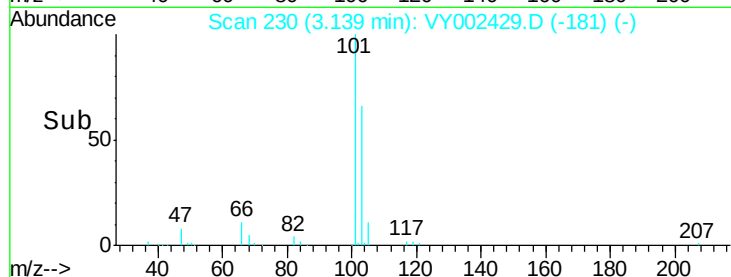
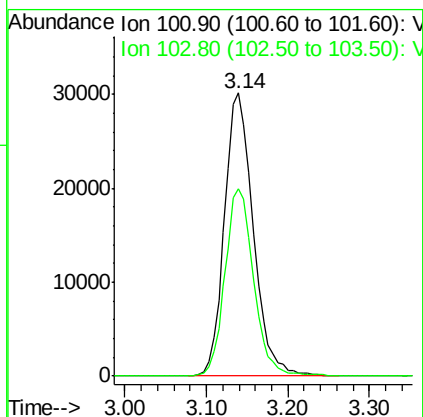
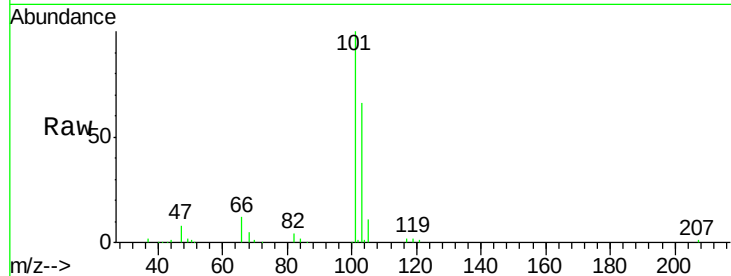
Trichlorofluoromethane  
Concen: 18.842 ug/l  
RT: 3.14 min Scan# 230  
Delta R.T. -0.00 min  
Lab File: VY002429.D  
Acq: 21 Apr 2020 13:50

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0421SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 66.3  | 50.8  | 76.2  |

Manual Integrations  
APPROVED

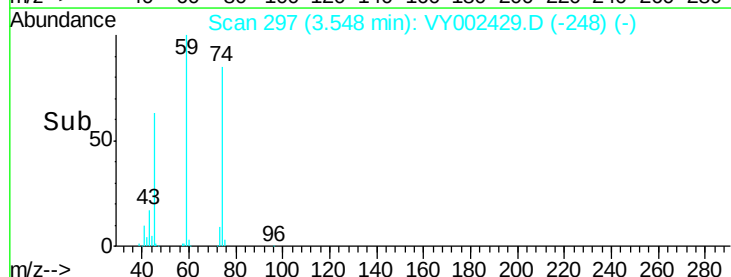
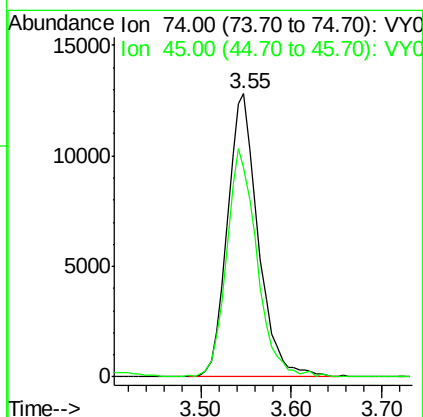
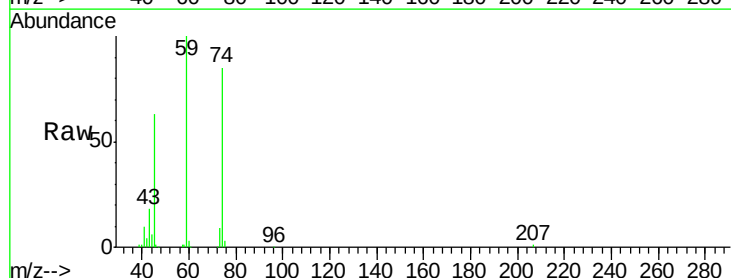
MMDadoda  
4/22/2020 11:44:25 AM



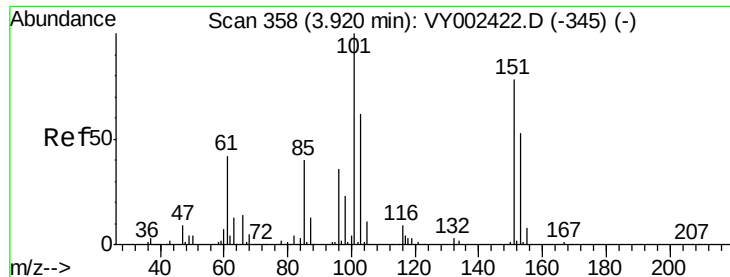
#8

Diethyl Ether  
Concen: 19.563 ug/l  
RT: 3.55 min Scan# 297  
Delta R.T. -0.00 min  
Lab File: VY002429.D  
Acq: 21 Apr 2020 13:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 79.7  | 39.5  | 118.5 |







#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.617 ug/l

RT: 3.92 min Scan# 358

Delta R.T. -0.00 min

Lab File: VY002429.D

Acq: 21 Apr 2020 13:50

Instrument :

MSVOA\_Y

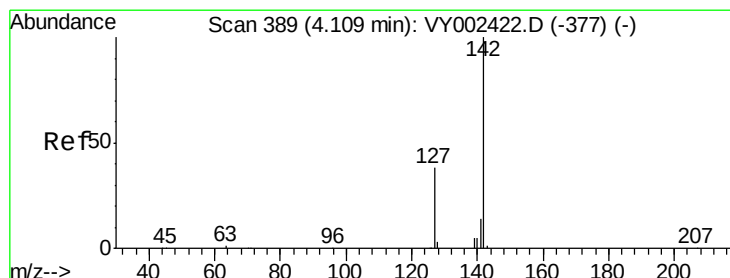
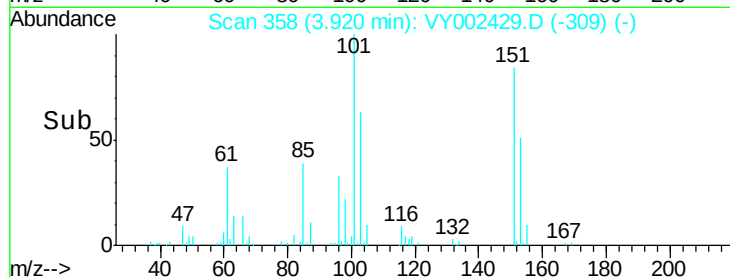
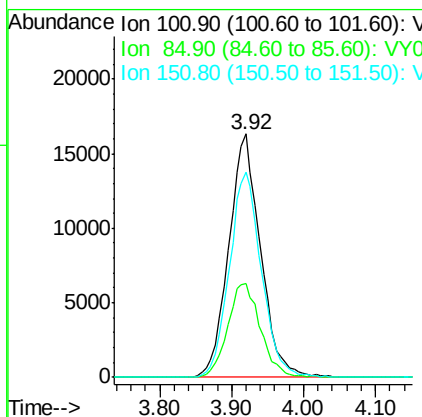
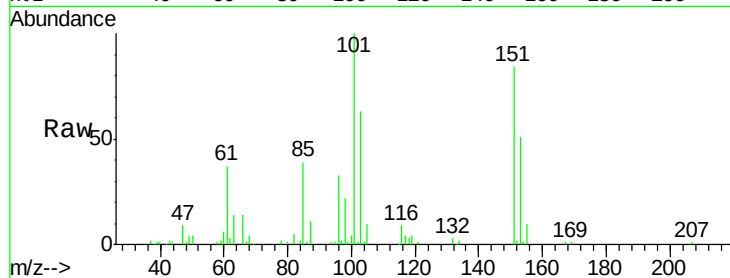
ClientSampleId :

VY0421SBS01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 101   | Resp: | 49976 |
| Ion Ratio | Lower | Upper |       |
| 101       | 100   |       |       |
| 85        | 39.8  | 32.2  | 48.4  |
| 151       | 85.2  | 67.3  | 100.9 |

Manual Integrations  
APPROVED

MMDadoda  
4/22/2020 11:44:25 AM



#10

Methyl Iodide

Concen: 17.619 ug/l

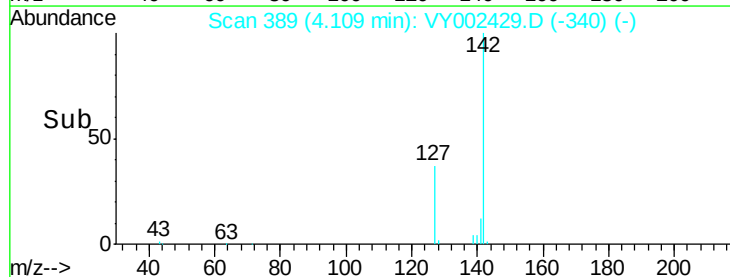
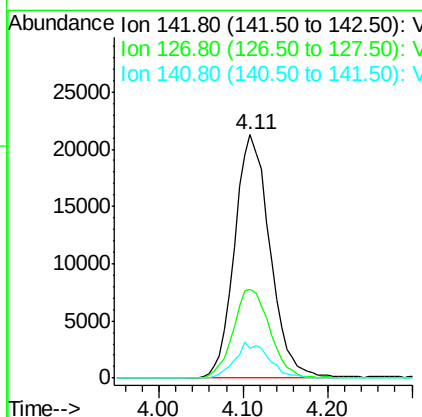
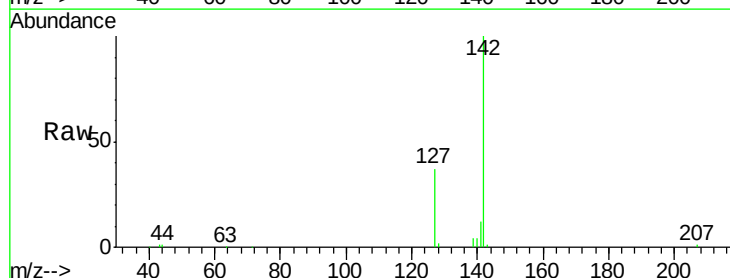
RT: 4.11 min Scan# 389

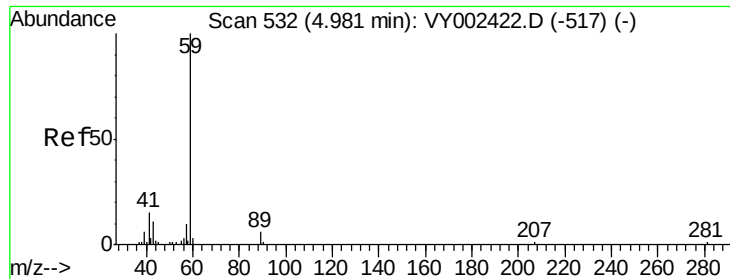
Delta R.T. -0.00 min

Lab File: VY002429.D

Acq: 21 Apr 2020 13:50

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 142   | Resp: | 60526 |
| Ion Ratio | Lower | Upper |       |
| 142       | 100   |       |       |
| 127       | 37.7  | 30.7  | 46.1  |
| 141       | 14.0  | 11.4  | 17.2  |





#11

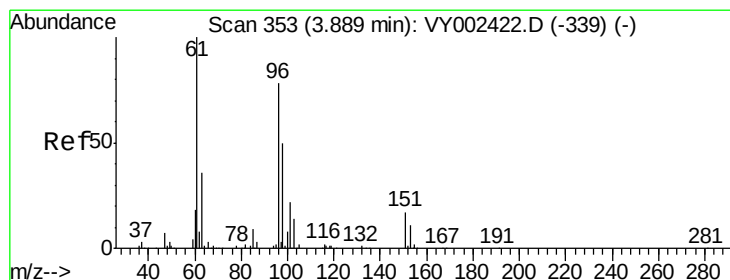
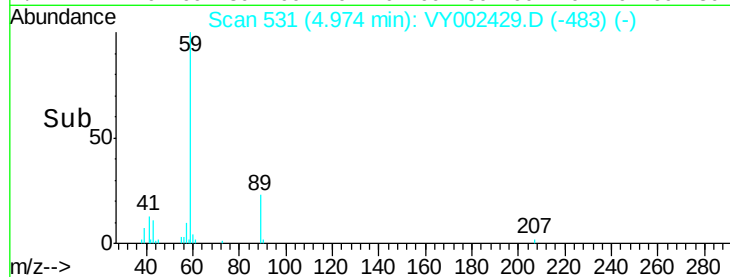
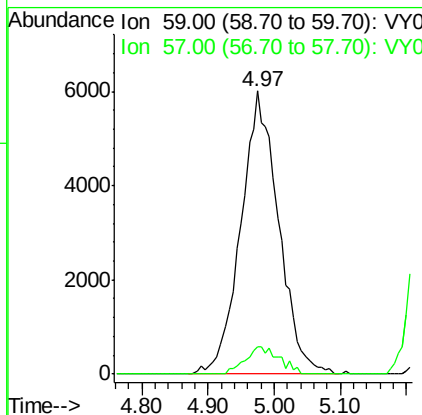
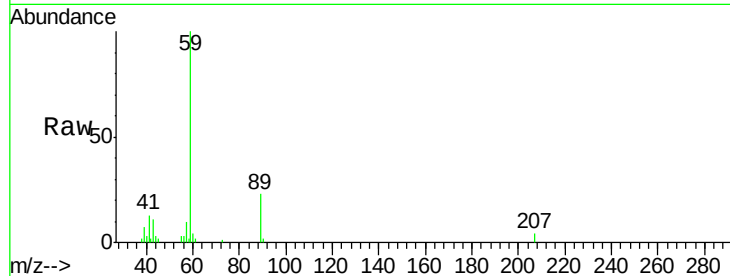
Tert butyl alcohol  
Concen: 98.251 ug/l  
RT: 4.97 min Scan# 531  
Delta R.T. -0.01 min  
Lab File: VY002429.D  
Acq: 21 Apr 2020 13:50

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0421SBS01

| Tot Ion | Ion | Ratio | Resp  | Lower | Upper |
|---------|-----|-------|-------|-------|-------|
| 59      | 59  | 100   | 23782 |       |       |
| 57      | 57  | 8.7   |       | 7.4   | 11.2  |

Manual Integrations  
APPROVED

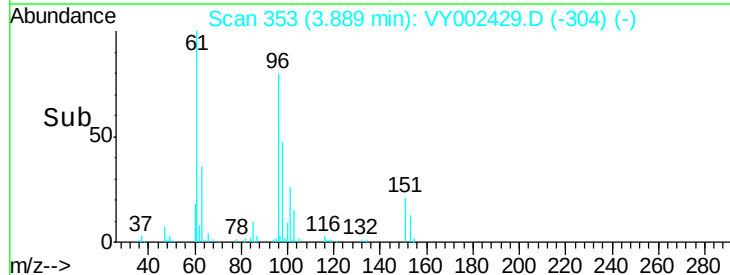
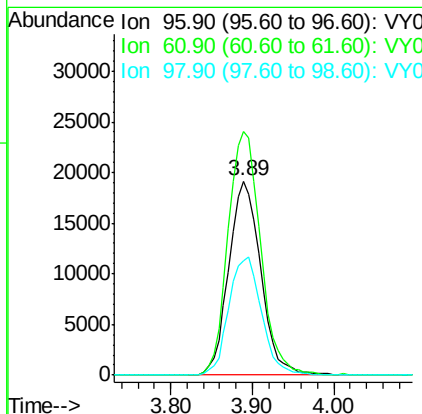
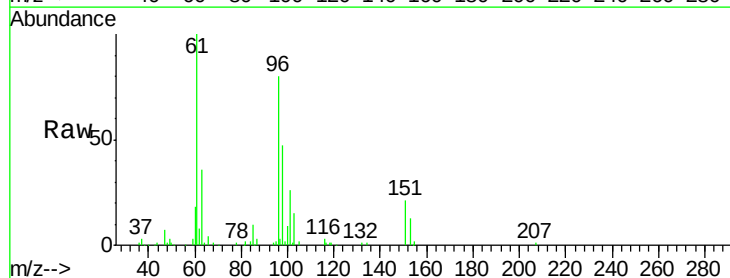
MMDadoda  
4/22/2020 11:44:25 AM

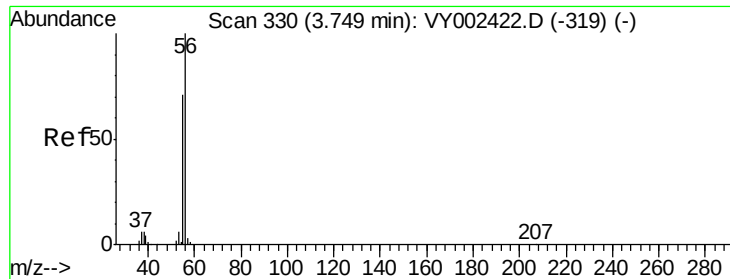


#12

1,1-Dichloroethene  
Concen: 19.639 ug/l  
RT: 3.89 min Scan# 353  
Delta R.T. -0.00 min  
Lab File: VY002429.D  
Acq: 21 Apr 2020 13:50

| Tgt Ion | Ion | Ratio | Resp  | Lower | Upper |
|---------|-----|-------|-------|-------|-------|
| 96      | 96  | 100   | 51930 |       |       |
| 61      | 61  | 125.5 |       | 102.1 | 153.1 |
| 98      | 98  | 59.2  |       | 51.3  | 76.9  |





#13

Acrolein

Concen: 86.145 ug/l

RT: 3.75 min Scan# 330

Delta R.T. -0.00 min

Lab File: VY002429.D

Acq: 21 Apr 2020 13:50

Instrument :

MSVOA\_Y

ClientSampleId :

VY0421SBS01

Tot Ion: 56 Resp: 20492

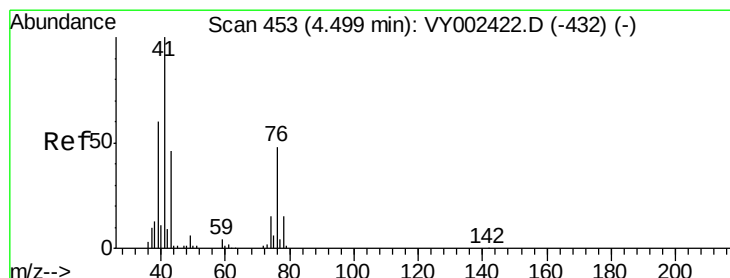
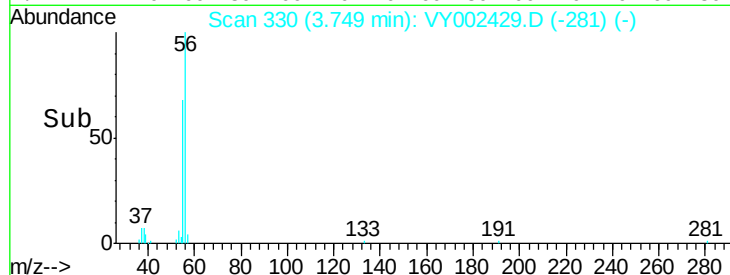
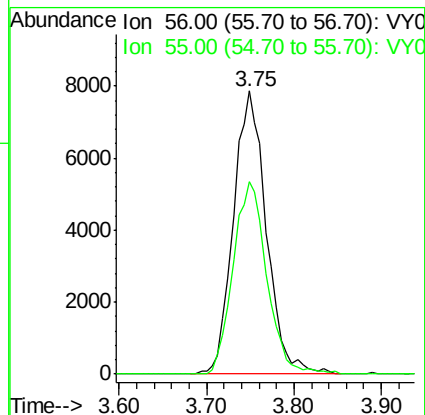
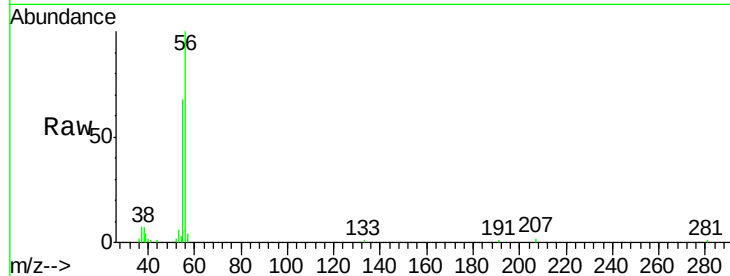
Ion Ratio Lower Upper

56 100

55 70.0 55.9 83.9

Manual Integrations  
APPROVED

MMDadoda  
4/22/2020 11:44:25 AM



#14

Allyl chloride

Concen: 18.896 ug/l

RT: 4.50 min Scan# 453

Delta R.T. -0.00 min

Lab File: VY002429.D

Acq: 21 Apr 2020 13:50

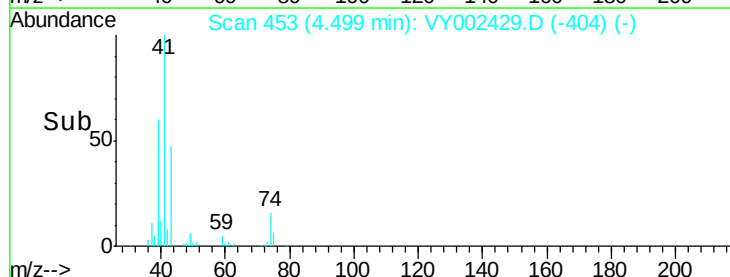
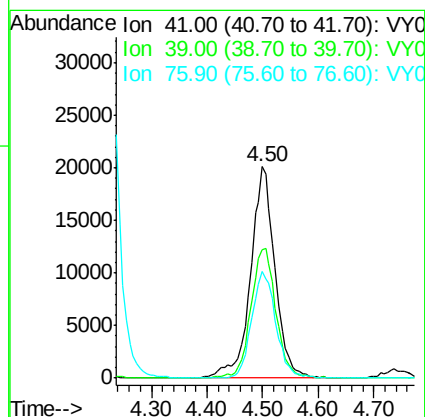
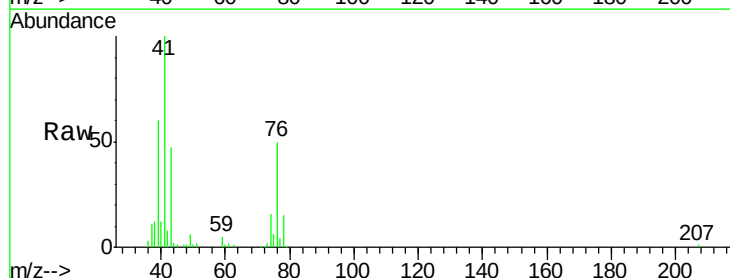
Tgt Ion: 41 Resp: 61453

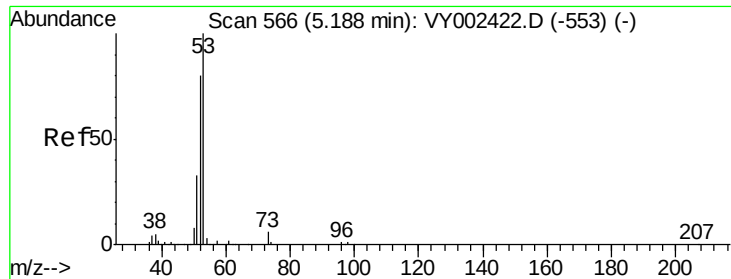
Ion Ratio Lower Upper

41 100

39 63.1 49.1 73.7

76 49.8 38.6 57.8





#15

Acrylonitrile

Concen: 100.120 ug/l

RT: 5.19 min Scan# 566

Delta R.T. -0.00 min

Lab File: VY002429.D

Acq: 21 Apr 2020 13:50

Instrument :

MSVOA\_Y

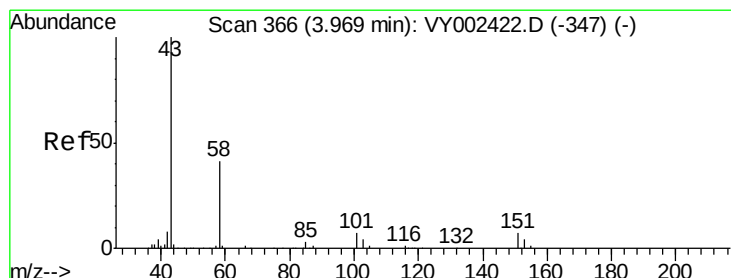
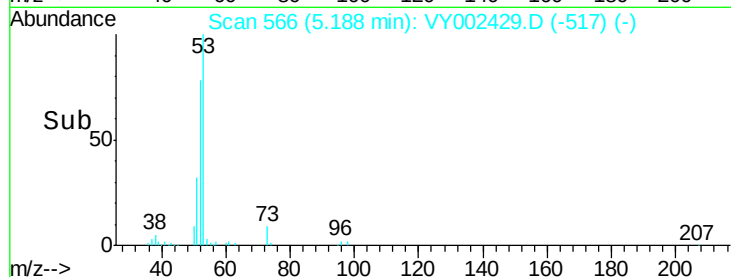
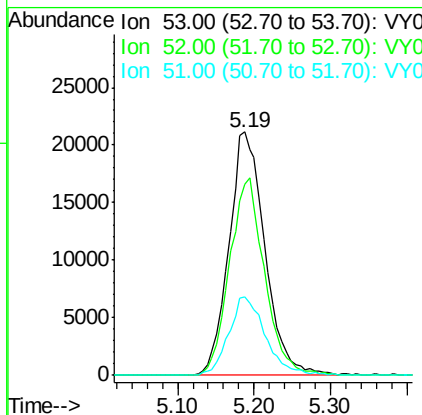
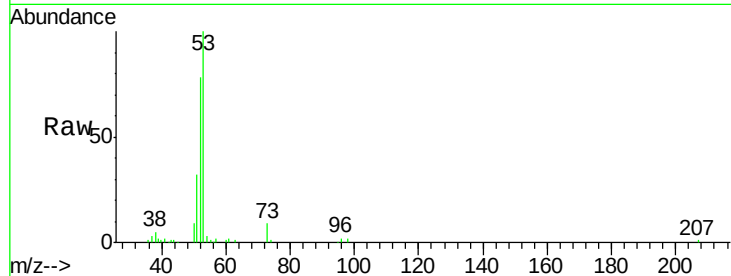
ClientSampleId :

VY0421SBS01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 53    | Resp: | 68977 |
| Ion      | Ratio | Lower | Upper |
| 53       | 100   |       |       |
| 52       | 79.1  | 65.1  | 97.7  |
| 51       | 33.0  | 26.8  | 40.2  |

Manual Integrations  
APPROVED

MMDadoda  
4/22/2020 11:44:25 AM



#16

Acetone

Concen: 104.233 ug/l

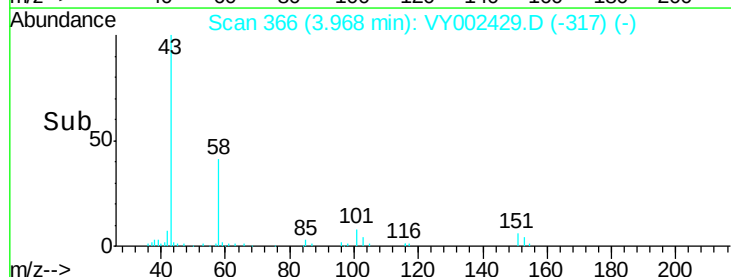
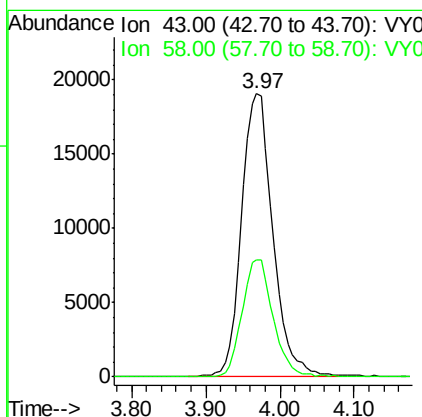
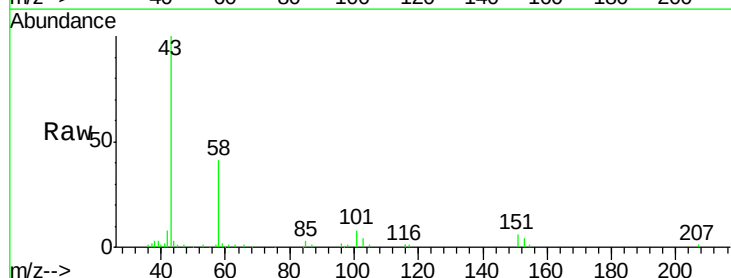
RT: 3.97 min Scan# 366

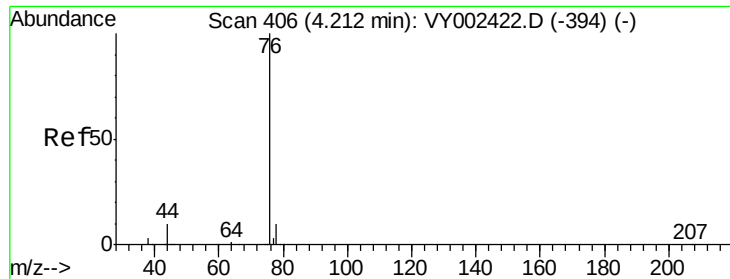
Delta R.T. -0.00 min

Lab File: VY002429.D

Acq: 21 Apr 2020 13:50

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 56415 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 41.5  | 32.6  | 48.8  |





#17

Carbon Disulfide

Concen: 19.021 ug/l

RT: 4.21 min Scan# 406

Delta R.T. -0.00 min

Lab File: VY002429.D

Acq: 21 Apr 2020 13:50

Instrument :

MSVOA\_Y

ClientSampleId :

VY0421SBS01

Tot Ion: 76 Resp: 153256

Ion Ratio Lower Upper

76 100

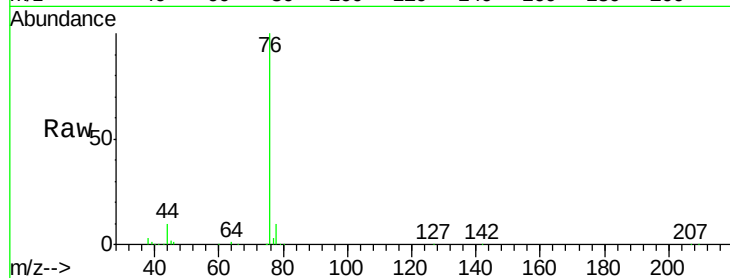
78 10.0 7.8 11.6

Manual Integrations

APPROVED

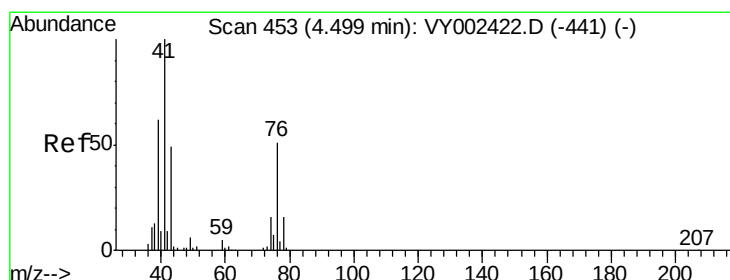
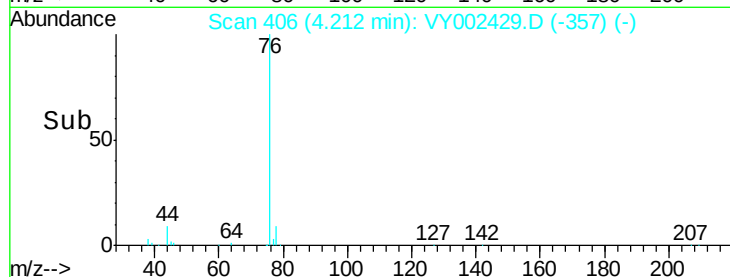
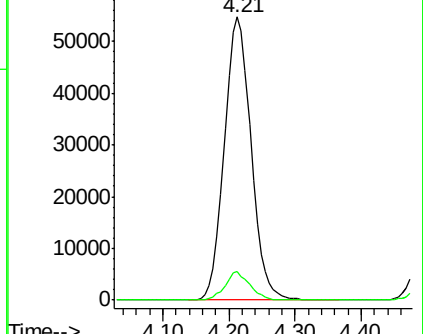
MMDadoda

4/22/2020 11:44:25 AM



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0



#18

Methyl Acetate

Concen: 19.161 ug/l

RT: 4.49 min Scan# 452

Delta R.T. -0.01 min

Lab File: VY002429.D

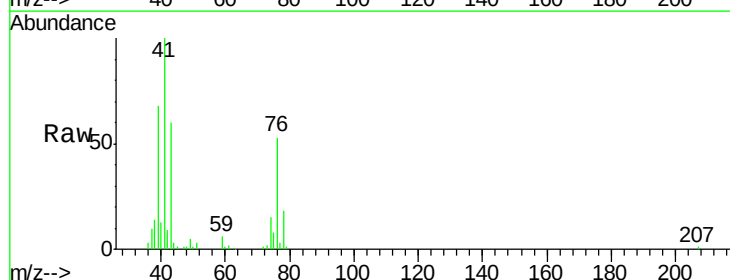
Acq: 21 Apr 2020 13:50

Tgt Ion: 43 Resp: 29643

Ion Ratio Lower Upper

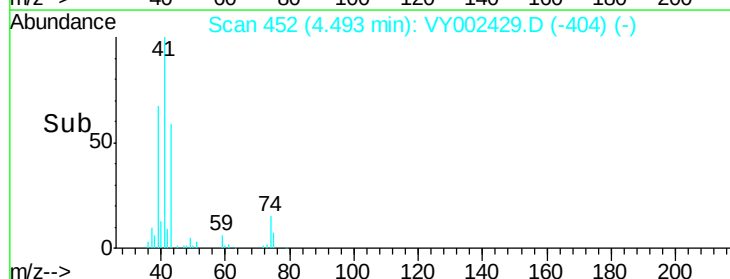
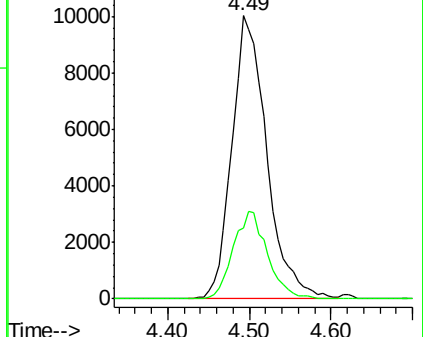
43 100

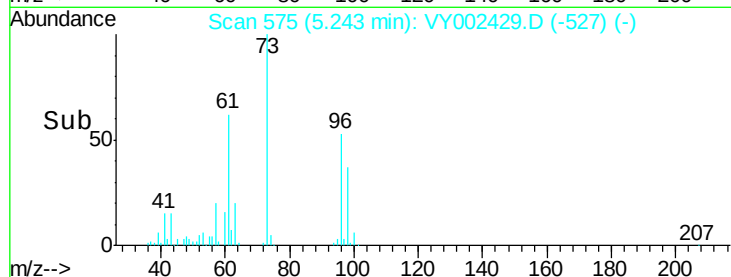
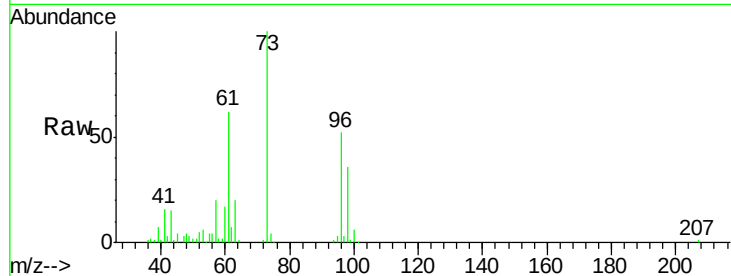
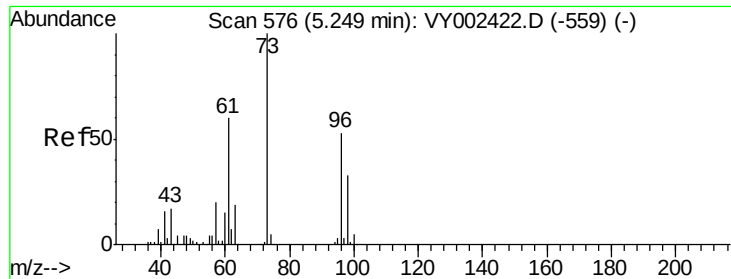
74 30.2 24.8 37.2



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 74.00 (73.70 to 74.70): VY0





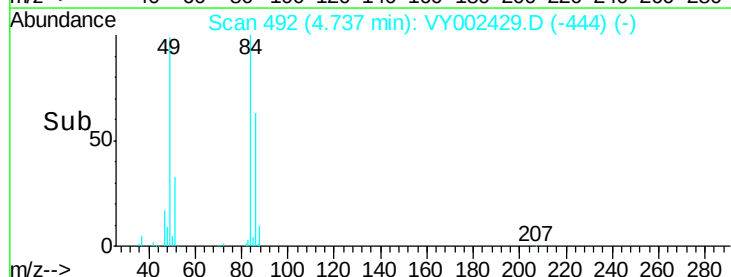
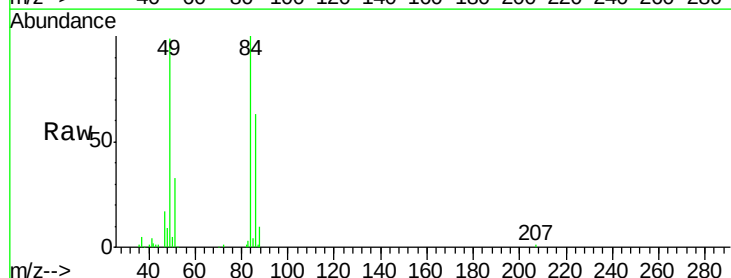
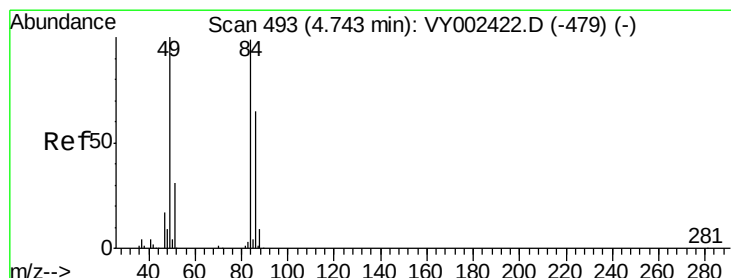
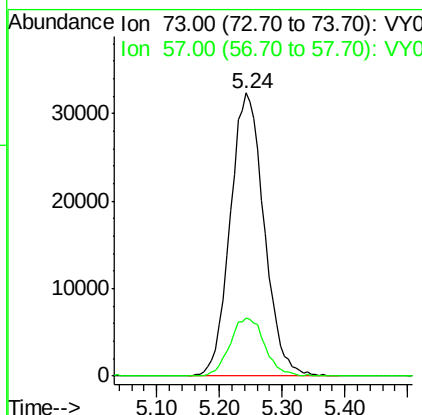
#19  
Methyl tert-butyl Ether  
Concen: 19.464 ug/l  
RT: 5.24 min Scan# 575  
Delta R.T. -0.01 min  
Lab File: VY002429.D  
Acq: 21 Apr 2020 13:50

| Tot Ion   | 73   | Resp  | 120874 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 57        | 20.4 | 16.3  | 24.5   |

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0421SBS01

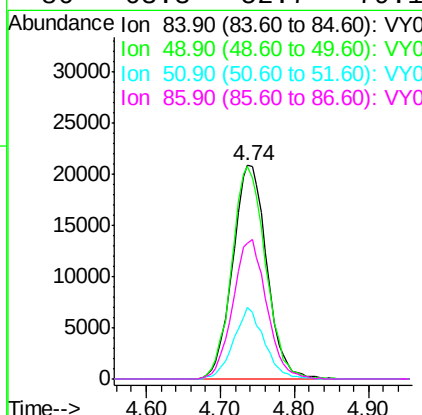
Manual Integrations  
APPROVED

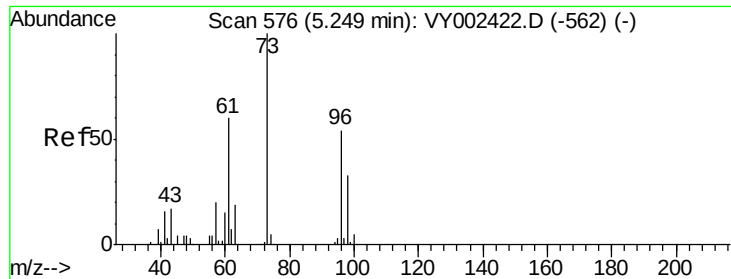
MMDadoda  
4/22/2020 11:44:25 AM



#20  
Methylene Chloride  
Concen: 22.197 ug/l  
RT: 4.74 min Scan# 492  
Delta R.T. -0.01 min  
Lab File: VY002429.D  
Acq: 21 Apr 2020 13:50

| Tgt Ion   | 84   | Resp  | 67227 |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 49        | 99.3 | 81.0  | 121.6 |
| 51        | 33.3 | 24.9  | 37.3  |
| 86        | 63.3 | 52.7  | 79.1  |





#21

trans-1,2-Dichloroethene

Concen: 19.703 ug/l

RT: 5.24 min Scan# 574

Delta R.T. -0.01 min

Lab File: VY002429.D

Acq: 21 Apr 2020 13:50

Instrument :

MSVOA\_Y

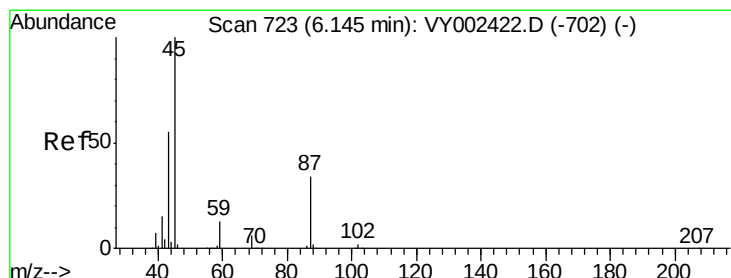
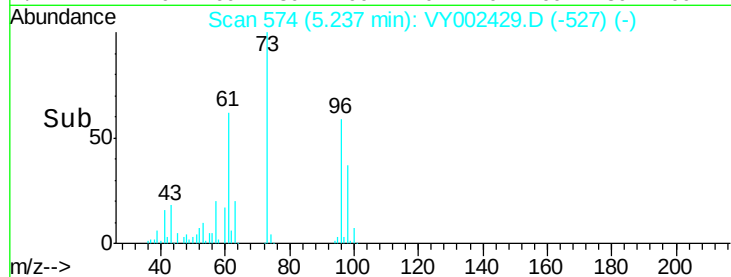
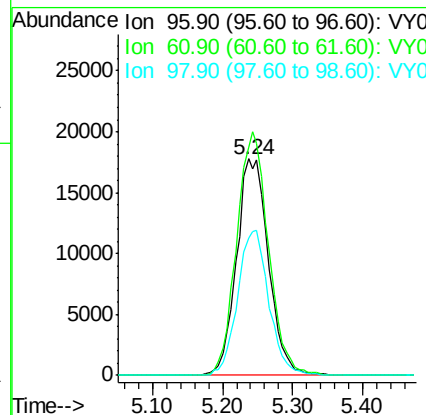
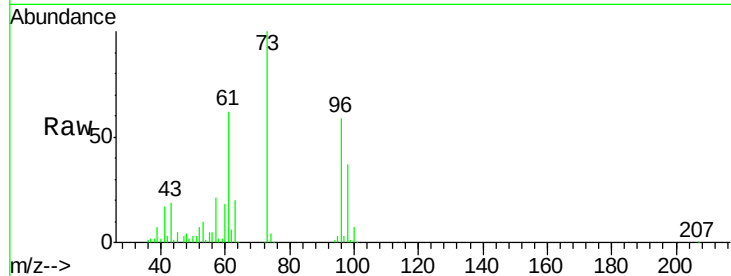
ClientSampleId :

VY0421SBS01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 96    | Resp: | 56382 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 105.8 | 89.7  | 134.5 |
| 98       | 63.6  | 49.7  | 74.5  |

Manual Integrations  
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MMDadoda  
4/22/2020 11:44:25 AM



#22

Diisopropyl ether

Concen: 19.089 ug/l

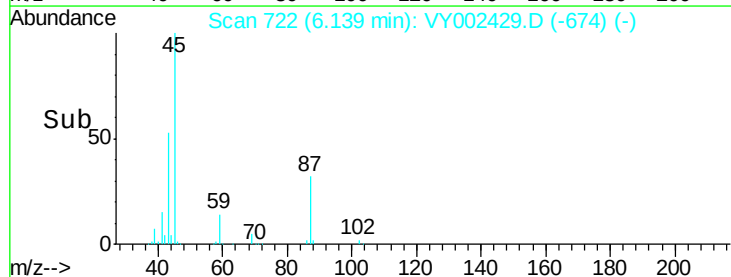
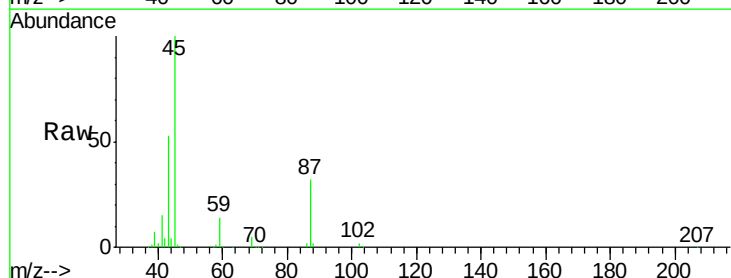
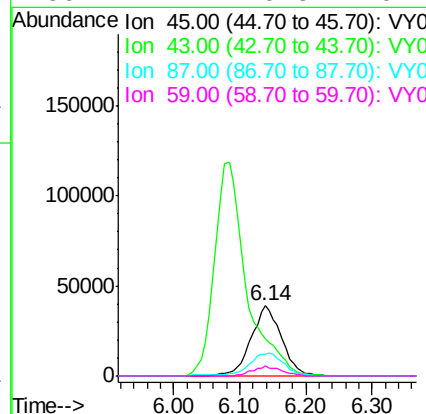
RT: 6.14 min Scan# 722

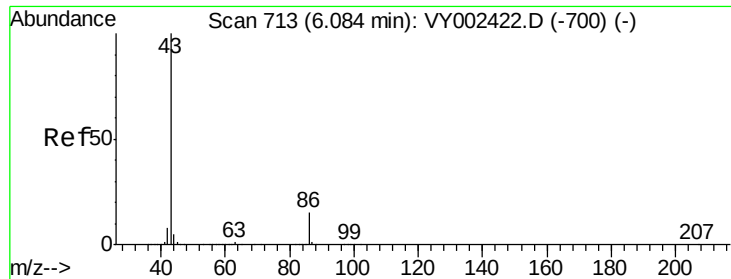
Delta R.T. -0.01 min

Lab File: VY002429.D

Acq: 21 Apr 2020 13:50

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 45    | Resp: | 124465 |
| Ion      | Ratio | Lower | Upper  |
| 45       | 100   |       |        |
| 43       | 53.1  | 43.8  | 65.6   |
| 87       | 31.8  | 27.4  | 41.2   |
| 59       | 14.1  | 10.8  | 16.2   |





#23

Vinyl Acetate

Concen: 96.699 ug/l

RT: 6.08 min Scan# 713

Delta R.T. -0.00 min

Lab File: VY002429.D

Acq: 21 Apr 2020 13:50

Instrument :

MSVOA\_Y

ClientSampleId :

VY0421SBS01

Tot Ion: 43 Resp: 397149

Ion Ratio Lower Upper

43 100

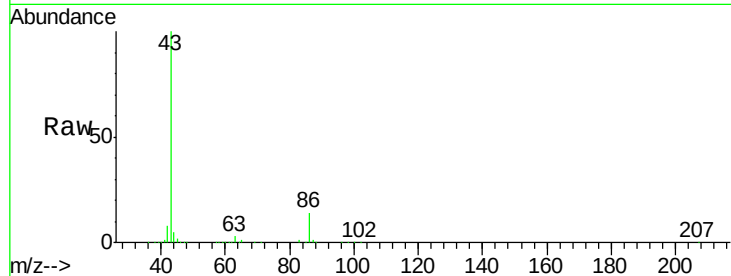
86 14.4 11.7 17.5

Manual Integrations

APPROVED

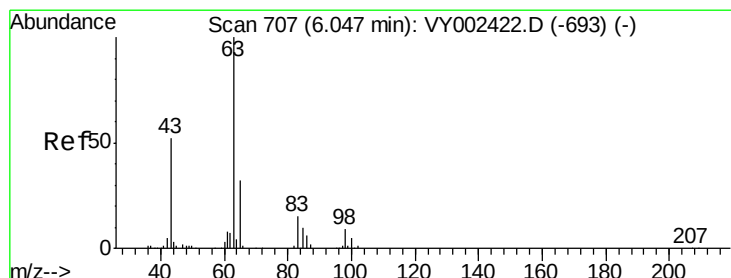
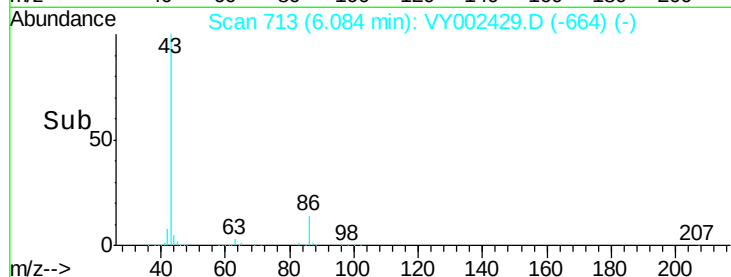
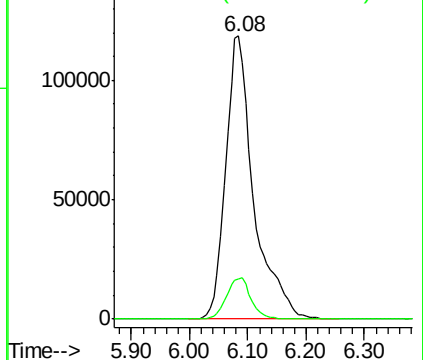
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0



#24

1,1-Dichloroethane

Concen: 19.572 ug/l

RT: 6.04 min Scan# 706

Delta R.T. -0.01 min

Lab File: VY002429.D

Acq: 21 Apr 2020 13:50

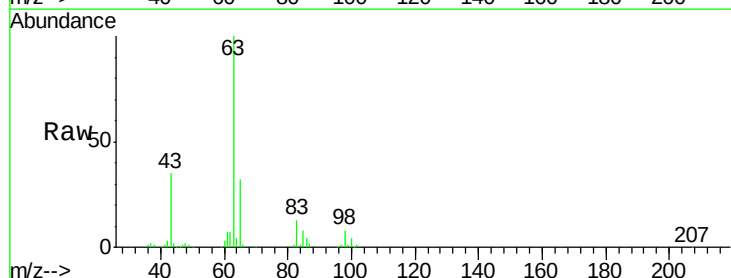
Tgt Ion: 63 Resp: 80930

Ion Ratio Lower Upper

63 100

98 8.4 4.5 13.4

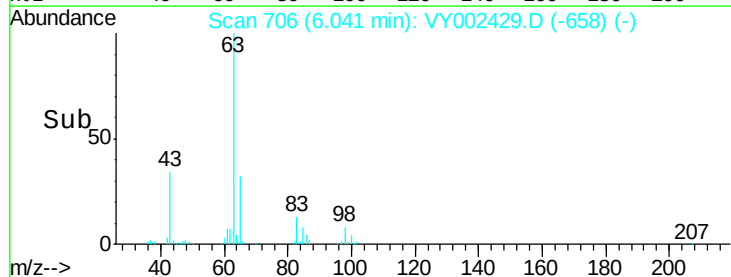
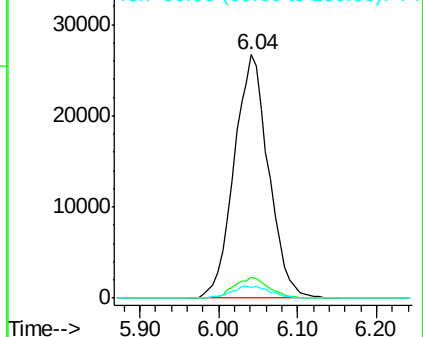
100 4.4 2.6 8.0



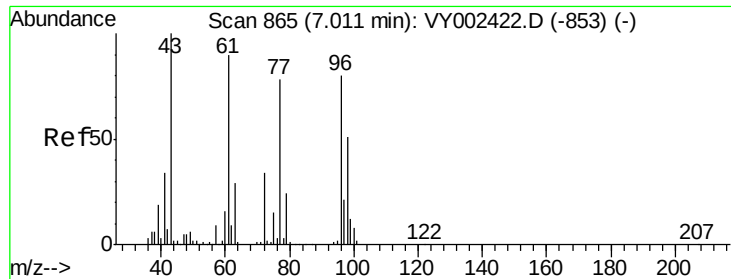
Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0







#25

2-Butanone

Concen: 97.742 ug/l

RT: 7.00 min Scan# 864

Delta R.T. -0.01 min

Lab File: VY002429.D

Acq: 21 Apr 2020 13:50

Instrument :

MSVOA\_Y

ClientSampleId :

VY0421SBS01

Tot Ion: 43 Resp: 75408

Ion Ratio Lower Upper

43 100

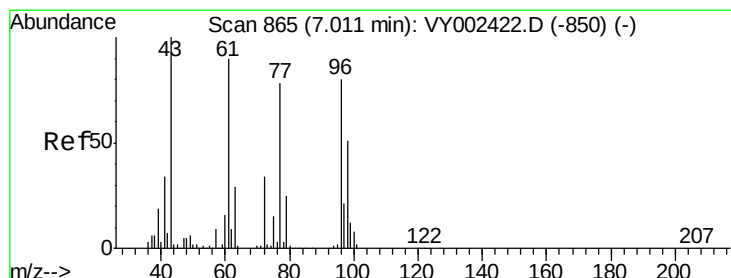
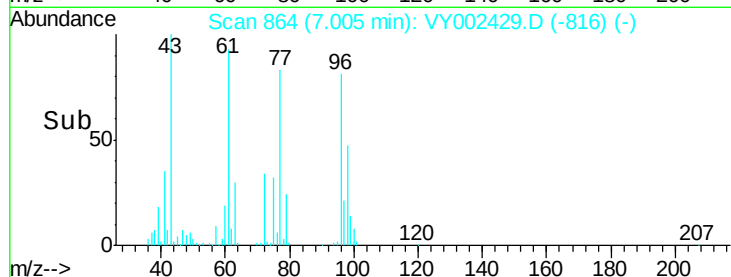
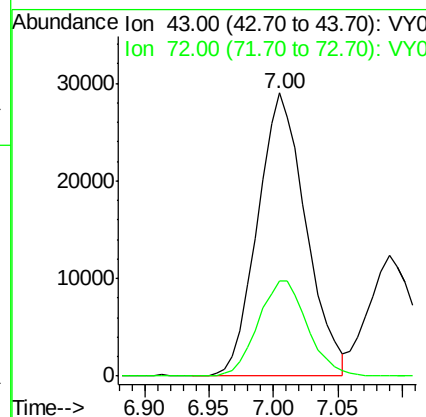
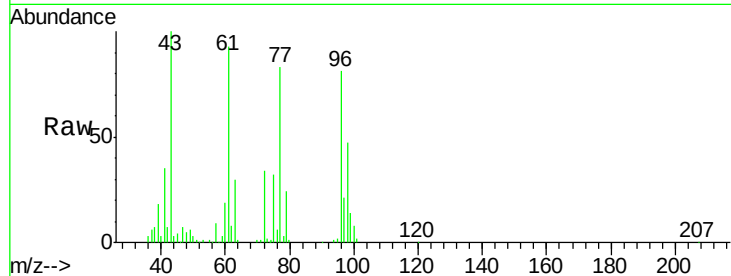
72 33.8 27.0 40.6

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#26

2,2-Dichloropropane

Concen: 19.479 ug/l

RT: 7.00 min Scan# 864

Delta R.T. -0.01 min

Lab File: VY002429.D

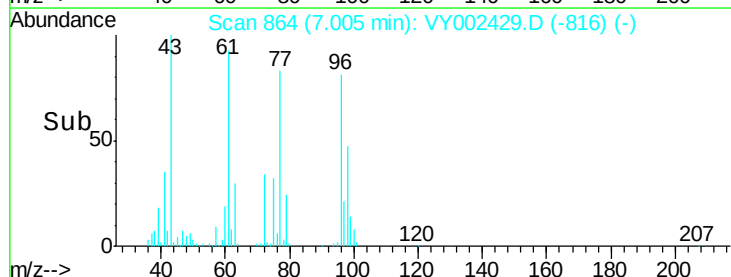
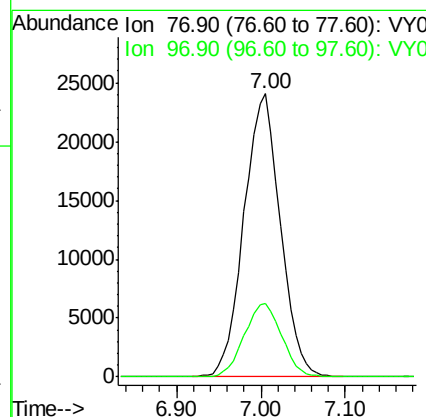
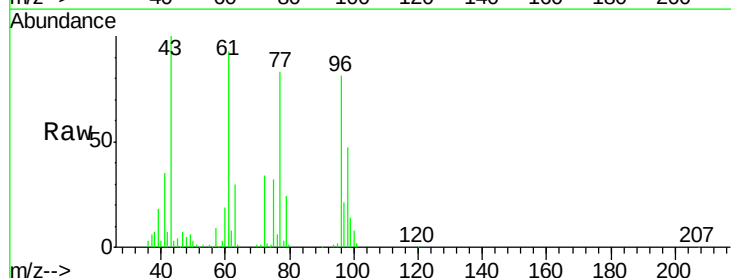
Acq: 21 Apr 2020 13:50

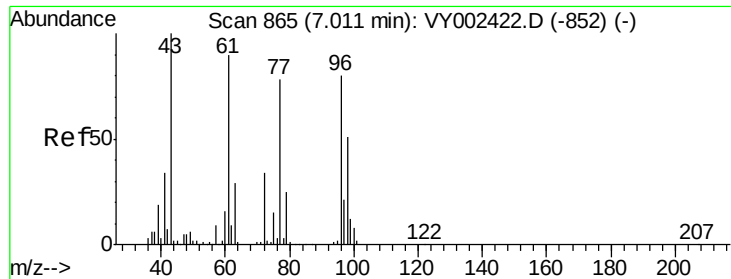
Tgt Ion: 77 Resp: 70510

Ion Ratio Lower Upper

77 100

97 26.8 13.5 40.5





#27

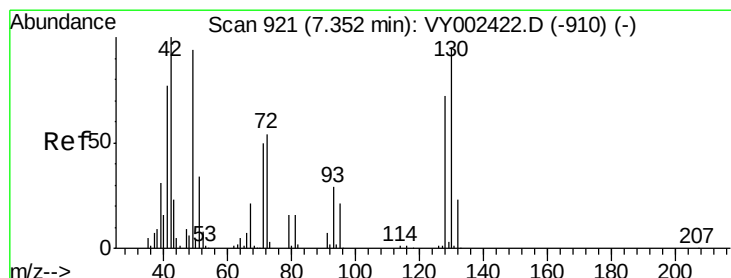
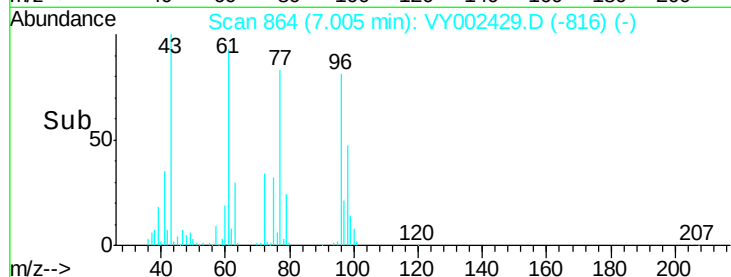
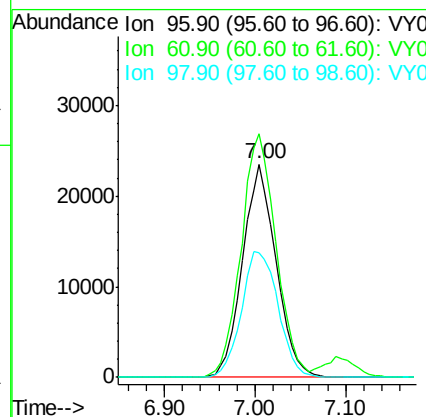
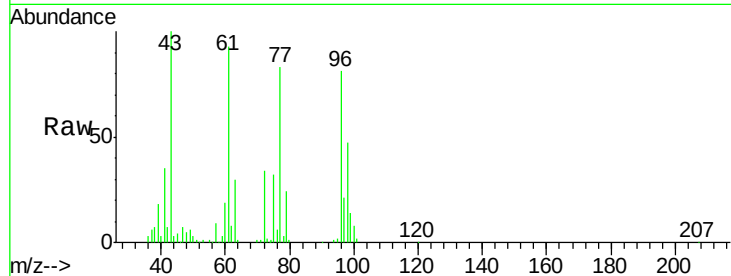
cis-1,2-Dichloroethene  
Concen: 19.519 ug/l  
RT: 7.00 min Scan# 864  
Delta R.T. -0.01 min  
Lab File: VY002429.D  
Acq: 21 Apr 2020 13:50

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0421SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 118.7 | 0.0   | 236.2 |
| 98      | 64.5  | 0.0   | 130.2 |

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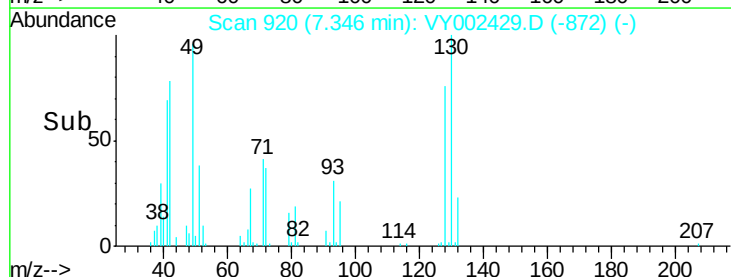
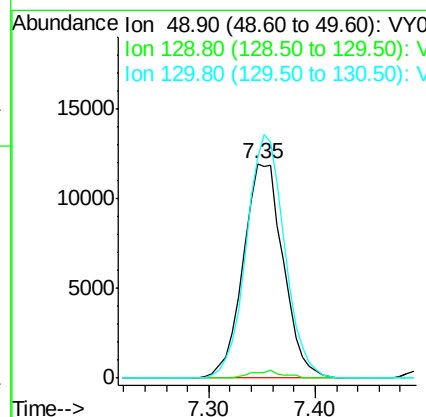
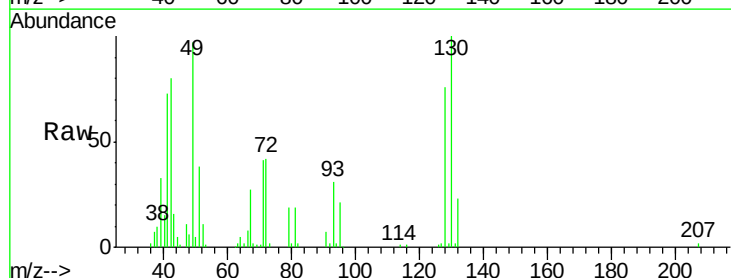
MMDadoda  
4/22/2020 11:44:25 AM

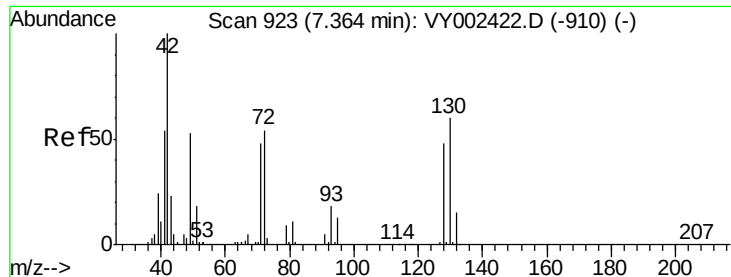


#28

Bromochloromethane  
Concen: 20.023 ug/l  
RT: 7.35 min Scan# 920  
Delta R.T. -0.01 min  
Lab File: VY002429.D  
Acq: 21 Apr 2020 13:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 49      | 100   |       |       |
| 129     | 2.8   | 0.0   | 6.0   |
| 130     | 108.5 | 84.1  | 126.1 |





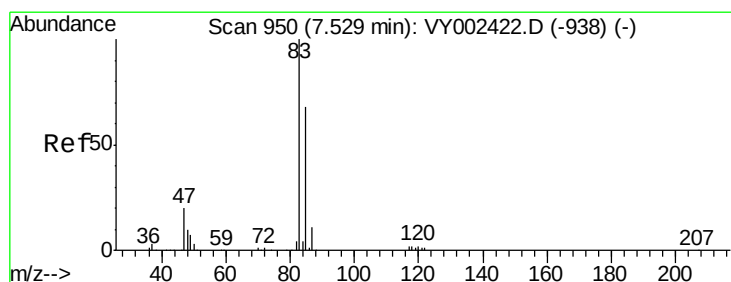
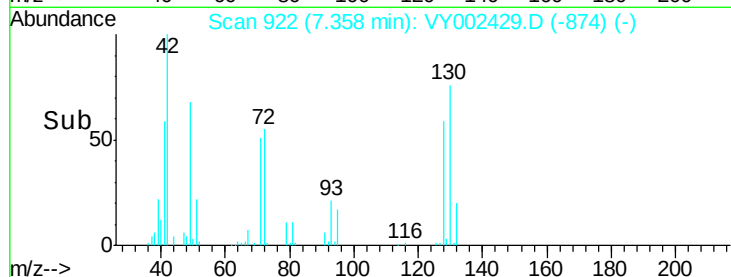
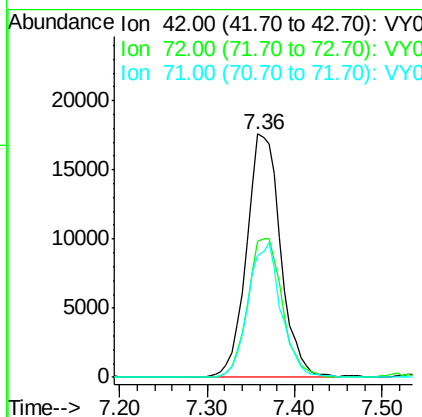
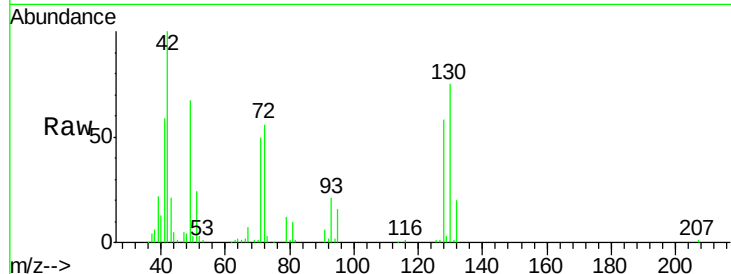
#29  
Tetrahydrofuran  
Concen: 96.226 ug/l  
RT: 7.36 min Scan# 922  
Delta R.T. -0.01 min  
Lab File: VY002429.D  
Acq: 21 Apr 2020 13:50

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0421SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 57.7  | 44.6  | 67.0  |
| 71      | 53.2  | 40.6  | 60.8  |

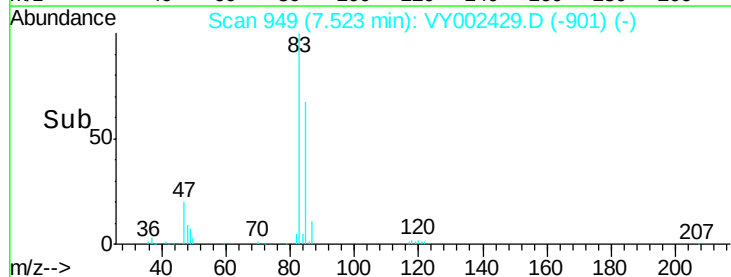
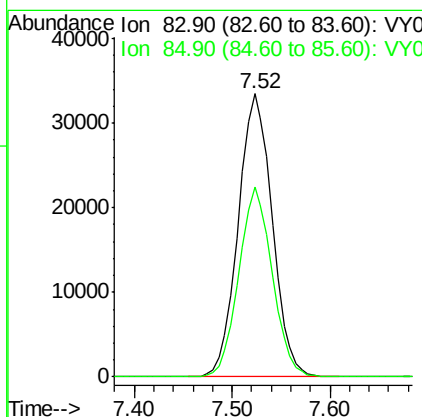
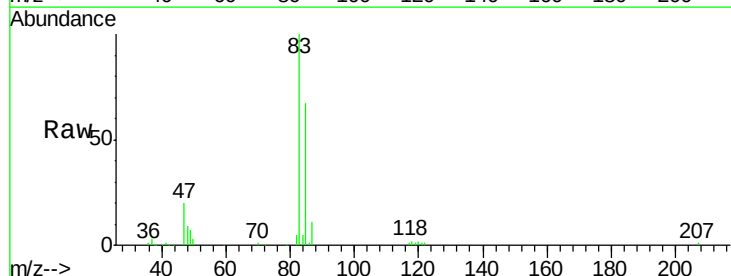
Manual Integrations  
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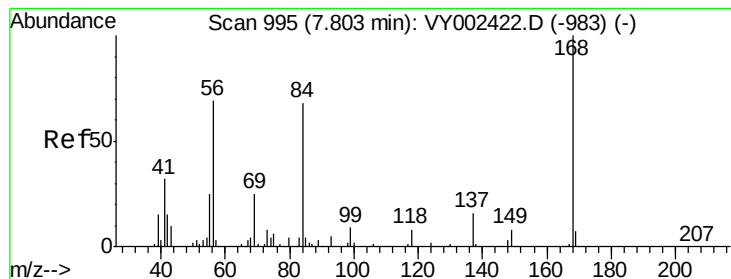
MMDadoda  
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#30  
Chloroform  
Concen: 18.953 ug/l  
RT: 7.52 min Scan# 949  
Delta R.T. -0.01 min  
Lab File: VY002429.D  
Acq: 21 Apr 2020 13:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 67.1  | 54.3  | 81.5  |





#31

Cyclohexane

Concen: 18.875 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.01 min

Lab File: VY002429.D

Acq: 21 Apr 2020 13:50

Instrument :

MSVOA\_Y

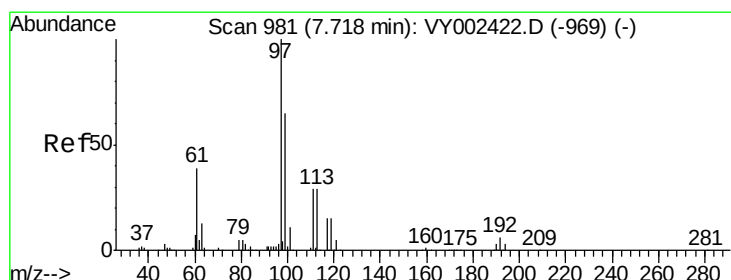
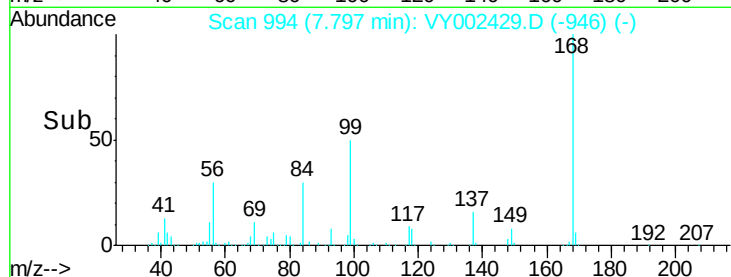
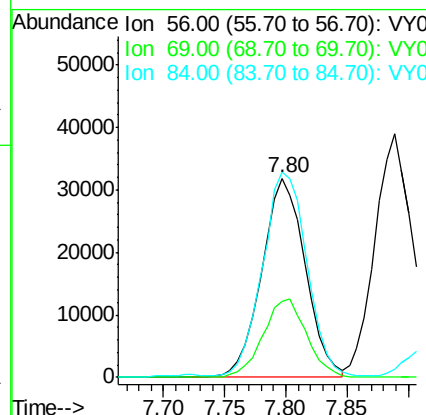
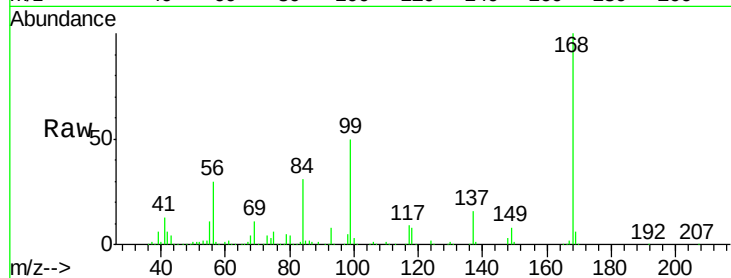
ClientSampleId :

VY0421SBS01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 56    | Resp: | 79108 |
| Ion Ratio | Lower | Upper |       |
| 56        | 100   |       |       |
| 69        | 38.2  | 29.1  | 43.7  |
| 84        | 102.0 | 79.4  | 119.2 |

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#32

1,1,1-Trichloroethane

Concen: 19.529 ug/l

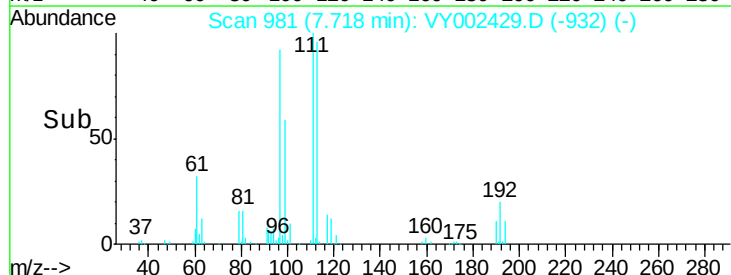
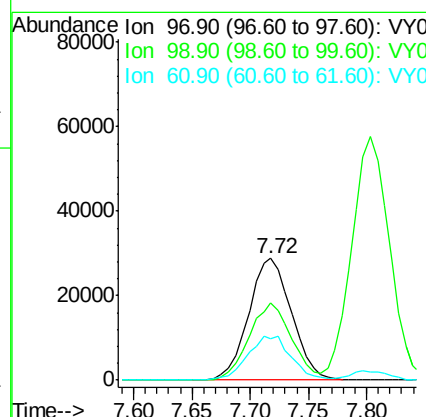
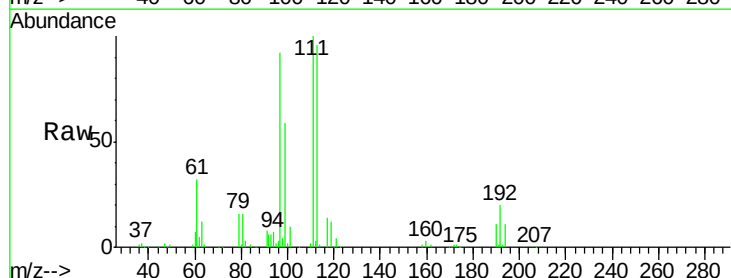
RT: 7.72 min Scan# 981

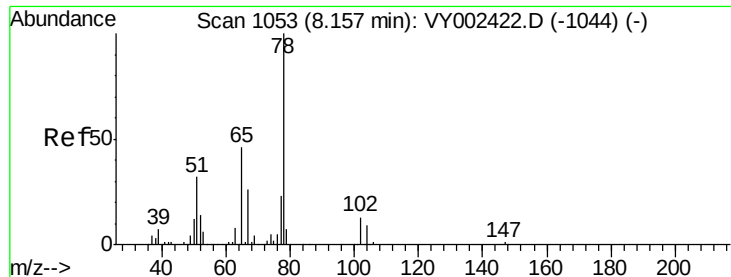
Delta R.T. -0.00 min

Lab File: VY002429.D

Acq: 21 Apr 2020 13:50

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 97    | Resp: | 73602 |
| Ion Ratio | Lower | Upper |       |
| 97        | 100   |       |       |
| 99        | 63.3  | 51.9  | 77.9  |
| 61        | 36.9  | 30.8  | 46.2  |





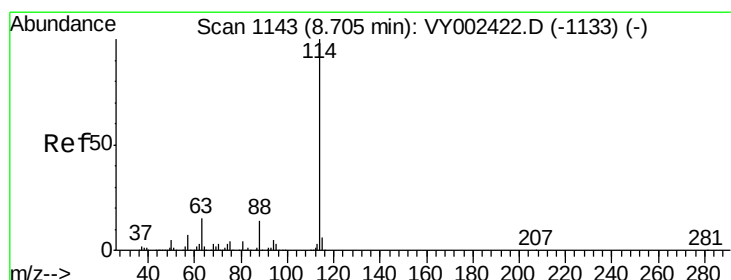
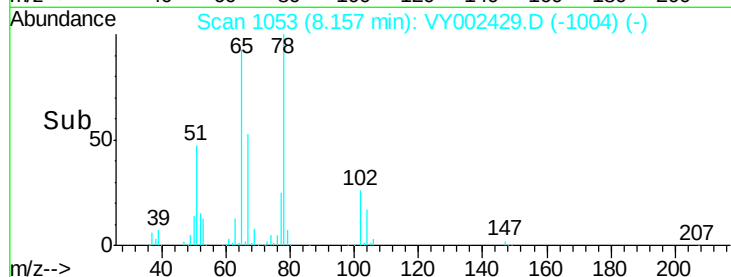
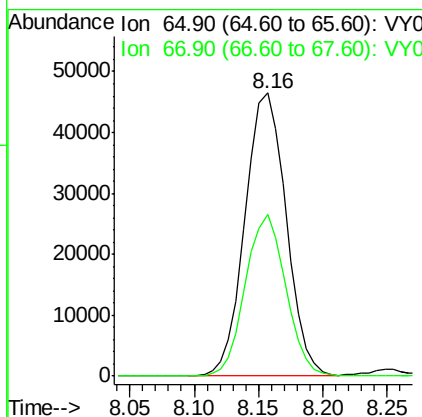
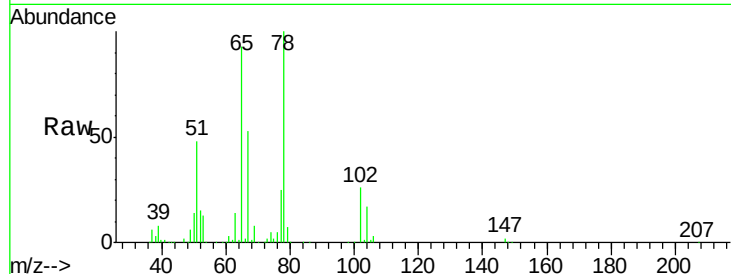
#33  
 1,2-Dichloroethane-d4  
 Concen: 50.880 ug/l  
 RT: 8.16 min Scan# 1053  
 Delta R.T. -0.00 min  
 Lab File: VY002429.D  
 Acq: 21 Apr 2020 13:50

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0421SBS01

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 65      | 100   |      |       |       |
| 67      | 56.1  | 0.0  | 111.0 |       |

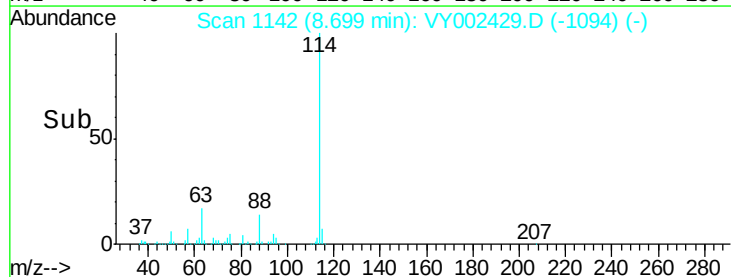
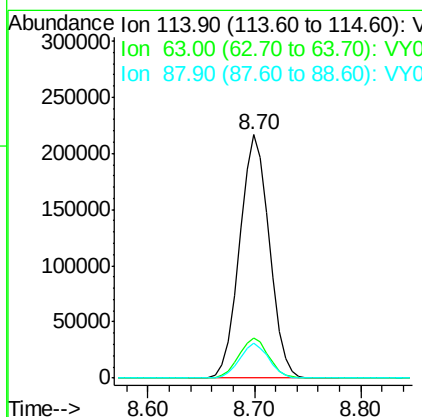
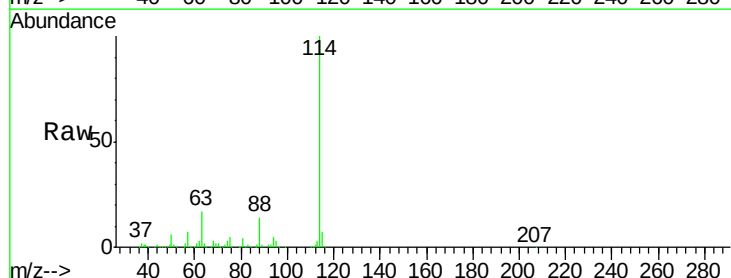
Manual Integrations  
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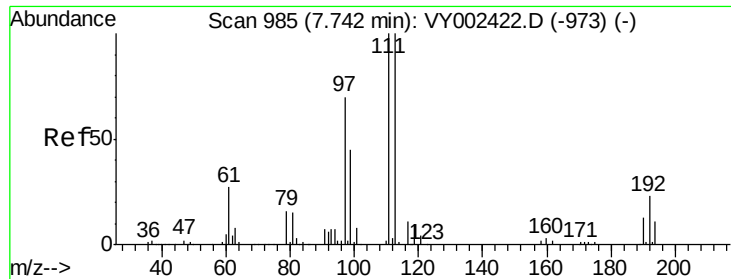
MMDadoda  
 4/22/2020 11:44:25 AM



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.70 min Scan# 1142  
 Delta R.T. -0.01 min  
 Lab File: VY002429.D  
 Acq: 21 Apr 2020 13:50

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 114     | 100   |      |       |       |
| 63      | 16.7  | 0.0  | 31.0  |       |
| 88      | 14.3  | 0.0  | 28.2  |       |





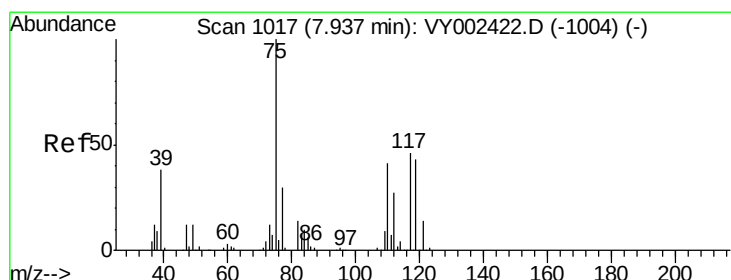
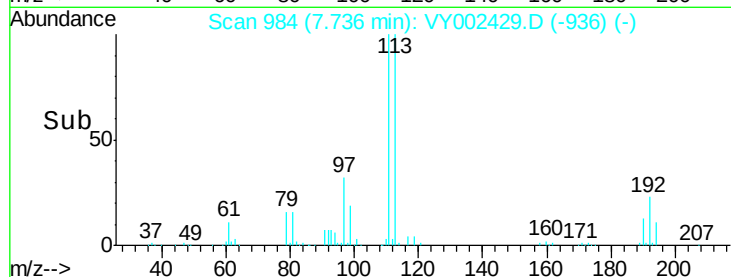
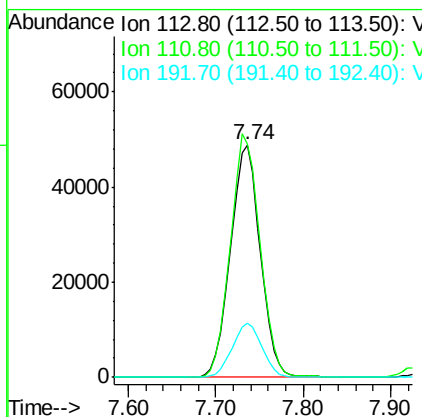
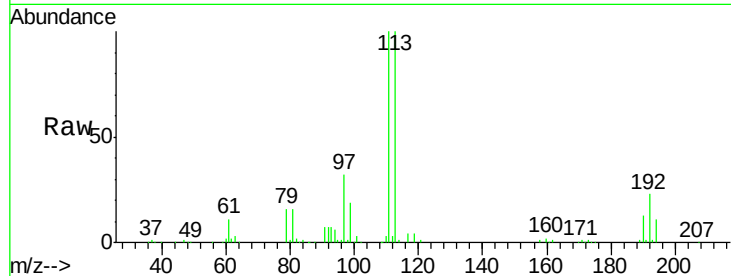
#35  
 Dibromofluoromethane  
 Concen: 51.957 ug/l  
 RT: 7.74 min Scan# 984  
 Delta R.T. -0.01 min  
 Lab File: VY002429.D  
 Acq: 21 Apr 2020 13:50

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0421SBS01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 113     | 100   | 116068 |       |       |
| 111     | 104.3 |        | 81.7  | 122.5 |
| 192     | 23.2  |        | 17.8  | 26.6  |

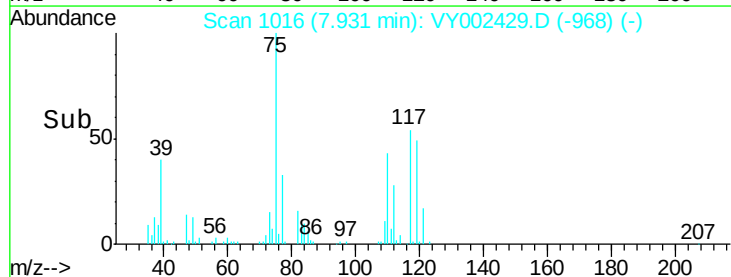
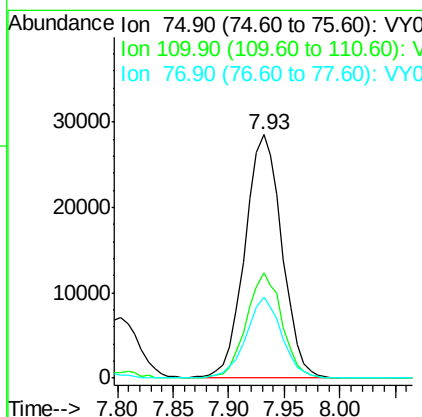
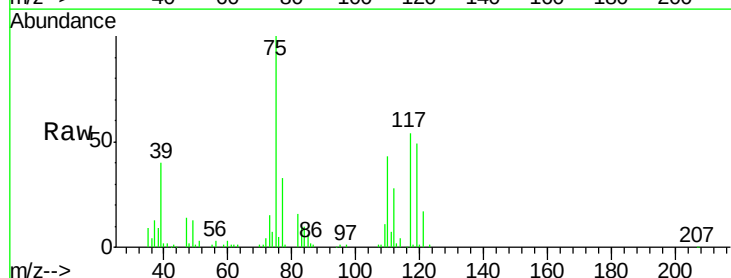
Manual Integrations  
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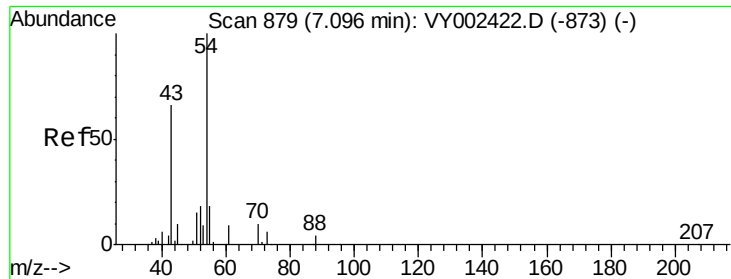
MMDadoda  
 4/22/2020 11:44:25 AM



#36  
 1,1-Dichloropropene  
 Concen: 19.282 ug/l  
 RT: 7.93 min Scan# 1016  
 Delta R.T. -0.01 min  
 Lab File: VY002429.D  
 Acq: 21 Apr 2020 13:50

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 75      | 100   | 65896 |       |       |
| 110     | 41.7  |       | 20.4  | 61.2  |
| 77      | 31.9  |       | 25.5  | 38.3  |





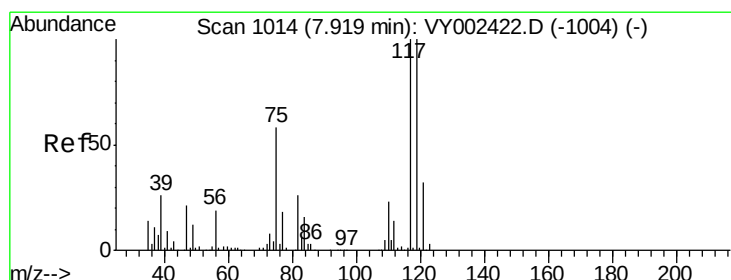
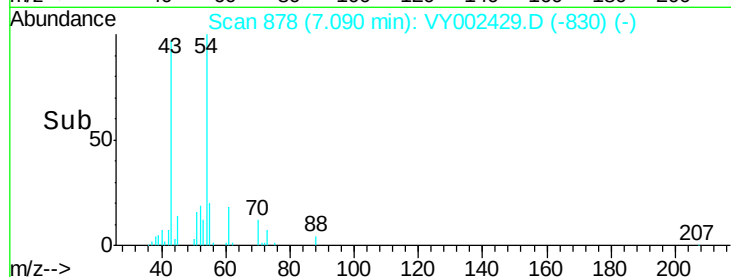
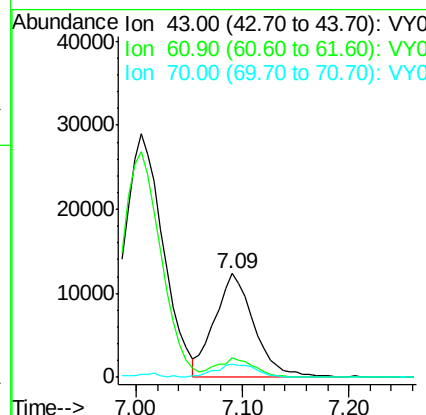
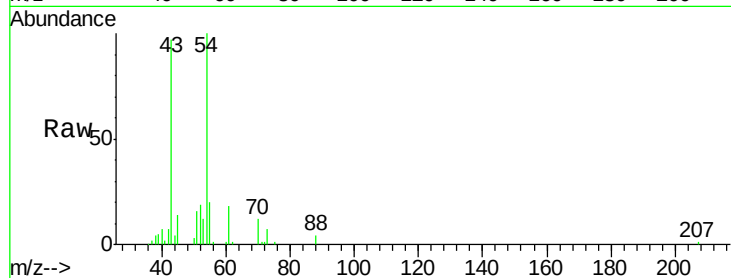
#37  
Ethyl Acetate  
Concen: 19.661 ug/l  
RT: 7.09 min Scan# 878  
Delta R.T. -0.01 min  
Lab File: VY002429.D  
Acq: 21 Apr 2020 13:50

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0421SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 18.1  | 13.5  | 20.3  |
| 70      | 13.4  | 10.6  | 16.0  |

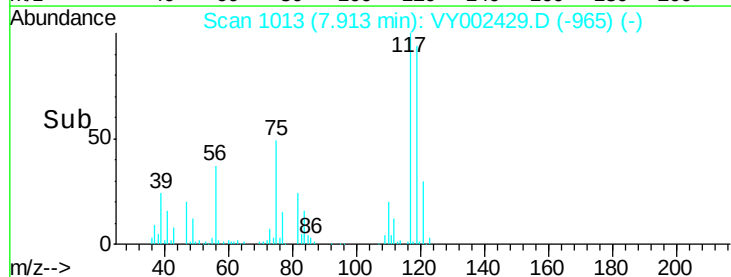
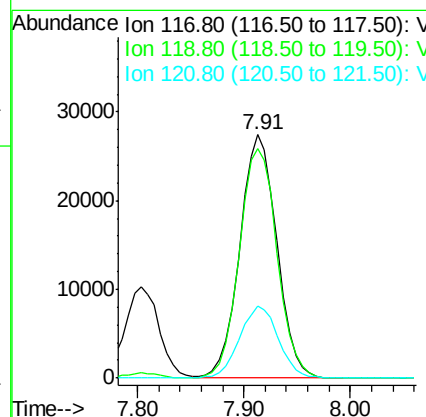
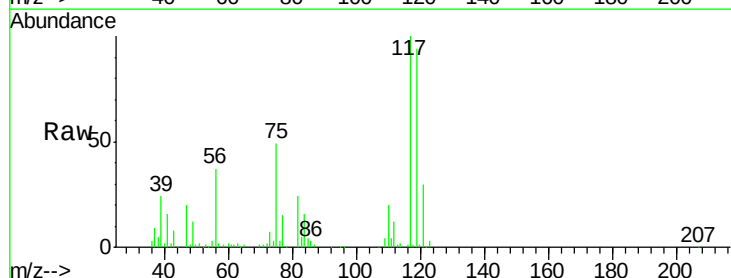
Manual Integrations  
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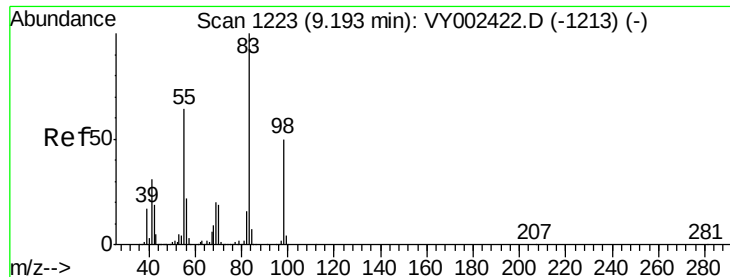
MMDadoda  
4/22/2020 11:44:25 AM



#38  
Carbon Tetrachloride  
Concen: 19.449 ug/l  
RT: 7.91 min Scan# 1013  
Delta R.T. -0.01 min  
Lab File: VY002429.D  
Acq: 21 Apr 2020 13:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 94.1  | 79.6  | 119.4 |
| 121     | 29.8  | 25.4  | 38.2  |





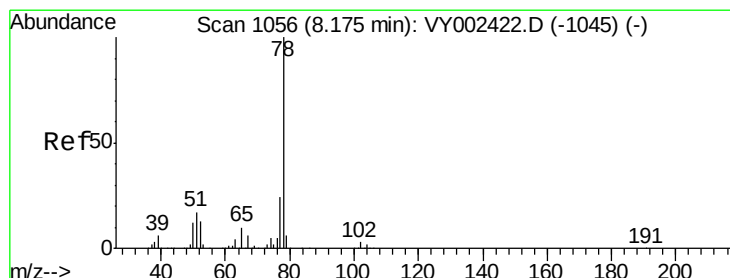
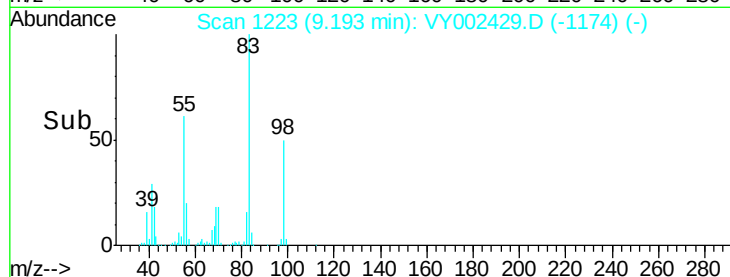
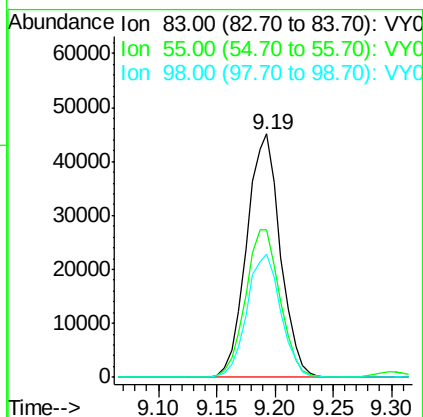
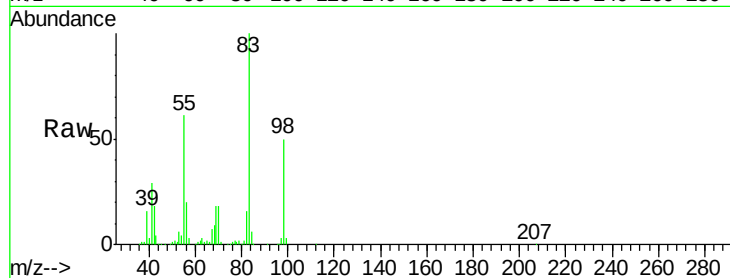
#39  
Methylvlcyclohexane  
Concen: 19.191 ug/l  
RT: 9.19 min Scan# 1223  
Delta R.T. -0.00 min  
Lab File: VY002429.D  
Acq: 21 Apr 2020 13:50

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0421SBS01

| Tot Ion   | 83    | Resp  | 90548 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 83        | 100   |       |       |
| 55        | 60.8  | 51.2  | 76.8  |
| 98        | 50.5  | 39.8  | 59.6  |

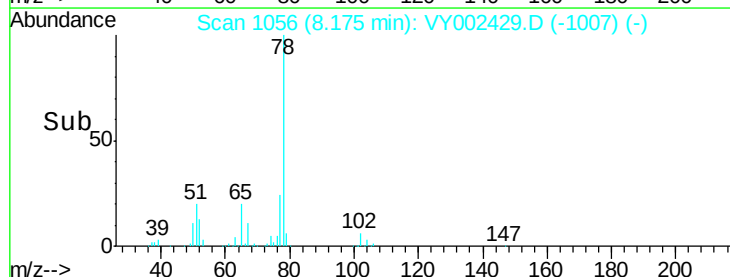
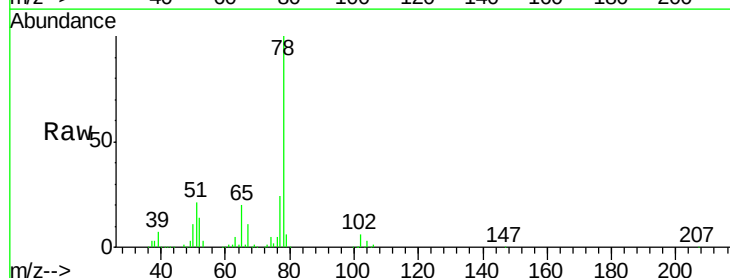
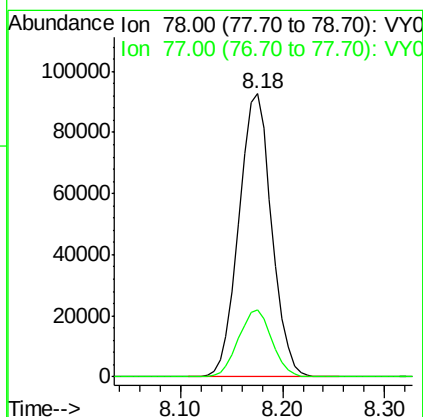
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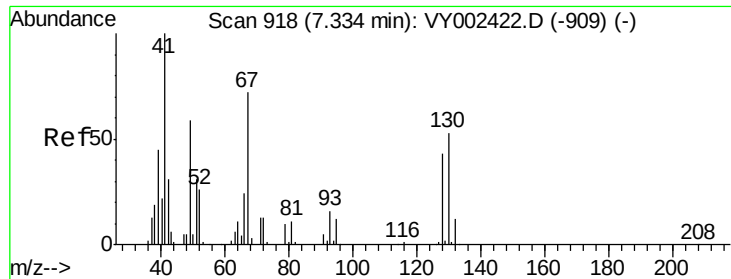


#40  
Benzene  
Concen: 19.663 ug/l  
RT: 8.18 min Scan# 1056  
Delta R.T. -0.00 min  
Lab File: VY002429.D  
Acq: 21 Apr 2020 13:50

| Tgt Ion   | 78    | Resp  | 206819 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 78        | 100   |       |        |
| 77        | 23.7  | 19.0  | 28.4   |







#41

Methacrylonitrile

Concen: 16.648 ug/l m

RT: 7.33 min Scan# 917

Delta R.T. -0.01 min

Lab File: VY002429.D

Acq: 21 Apr 2020 13:50

Instrument :

MSVOA\_Y

ClientSampleId :

VY0421SBS01

Tot Ion: 41 Resp: 14169

Ion Ratio Lower Upper

41 100

39 80.1 99.0 148.4#

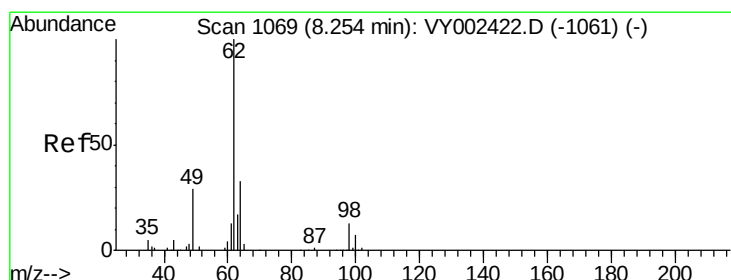
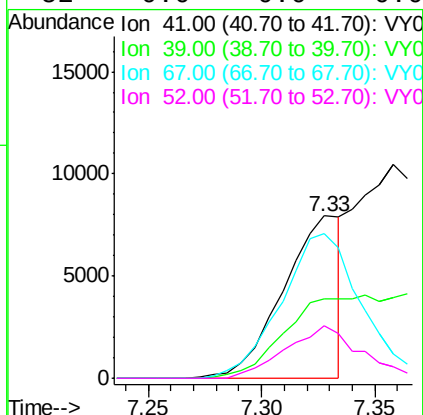
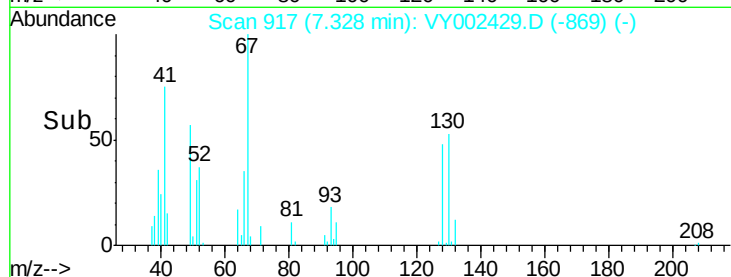
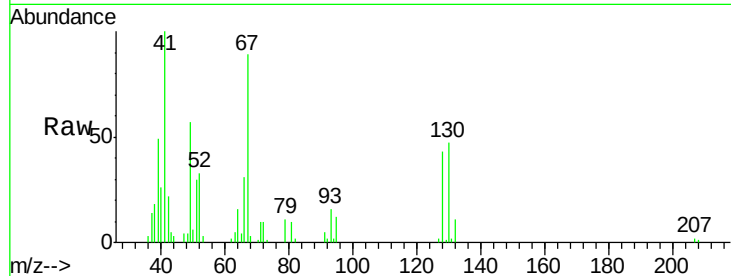
67 0.0 0.0 0.0

52 0.0 0.0 0.0

Manual Integrations  
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#42

1,2-Dichloroethane

Concen: 19.391 ug/l

RT: 8.25 min Scan# 1068

Delta R.T. -0.01 min

Lab File: VY002429.D

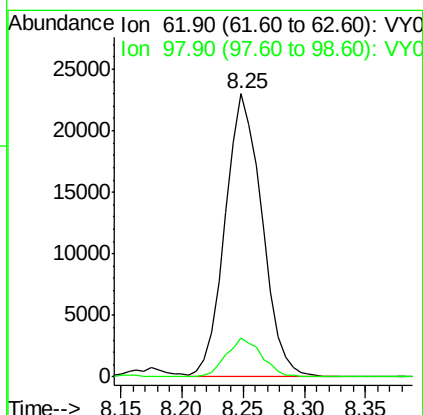
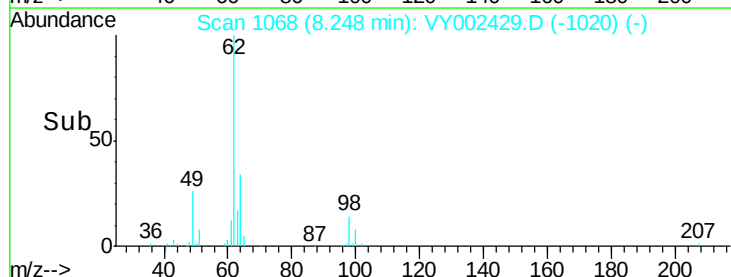
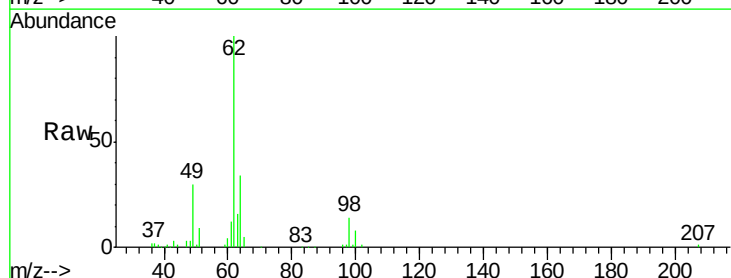
Acq: 21 Apr 2020 13:50

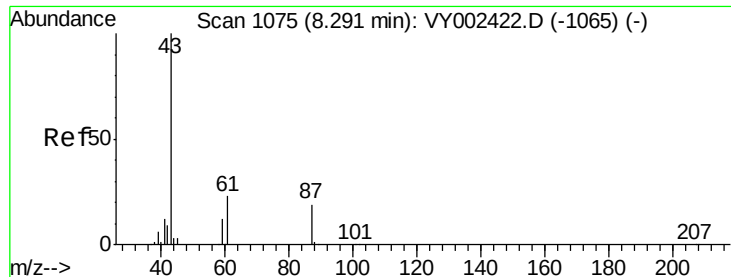
Tgt Ion: 62 Resp: 48052

Ion Ratio Lower Upper

62 100

98 13.1 0.0 25.4





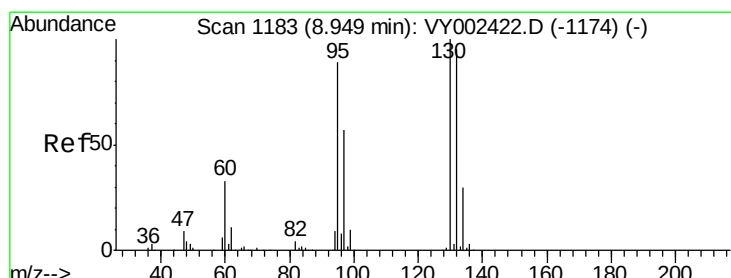
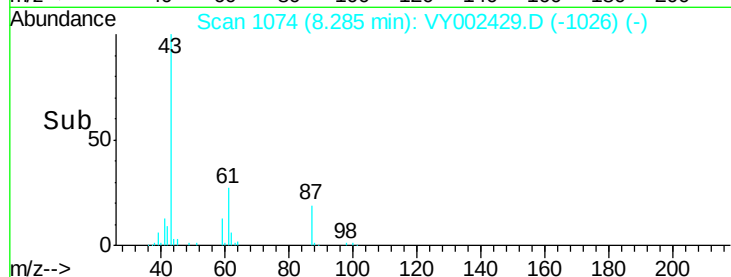
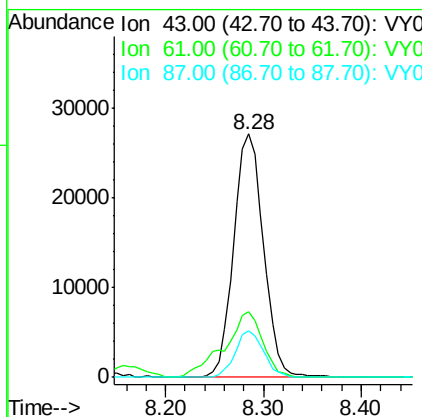
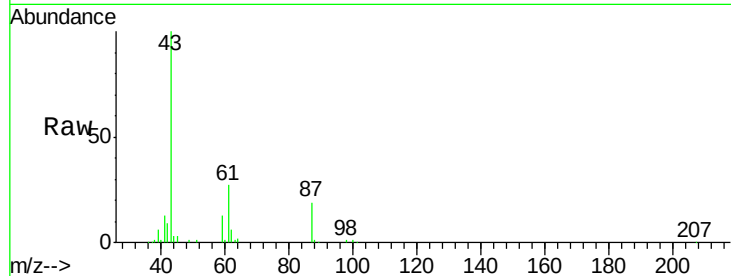
#43  
Isopropyl Acetate  
Concen: 19.164 ug/l  
RT: 8.28 min Scan# 1074  
Delta R.T. -0.01 min  
Lab File: VY002429.D  
Acq: 21 Apr 2020 13:50

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0421SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 34.8  | 27.7  | 41.5  |
| 87      | 18.2  | 14.5  | 21.7  |

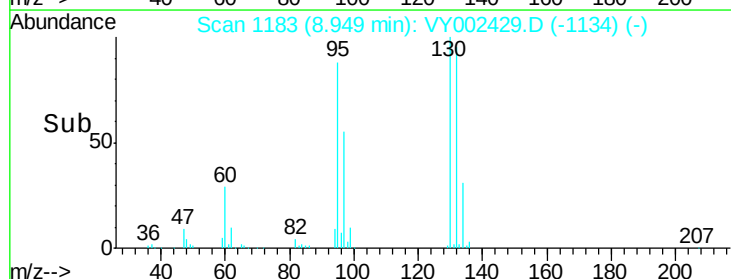
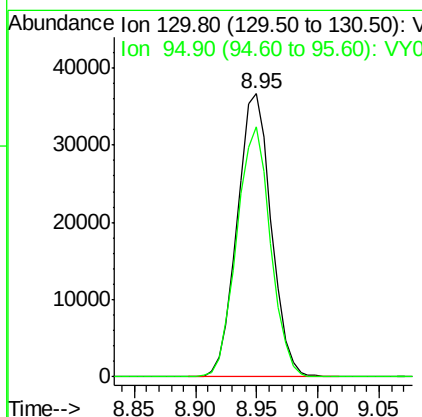
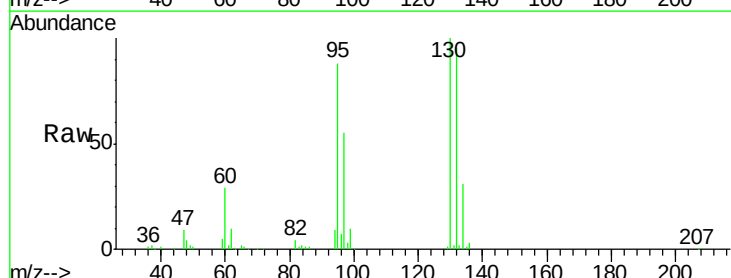
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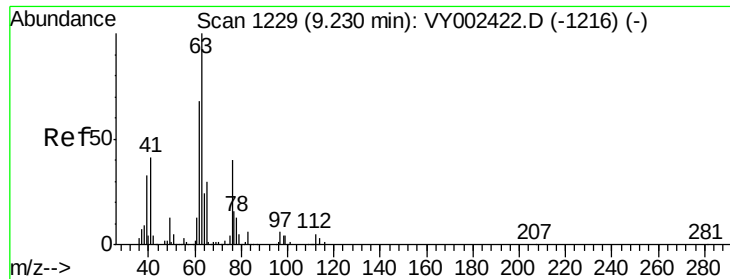
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#44  
Trichloroethene  
Concen: 20.098 ug/l  
RT: 8.95 min Scan# 1183  
Delta R.T. -0.00 min  
Lab File: VY002429.D  
Acq: 21 Apr 2020 13:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 130     | 100   |       |       |
| 95      | 88.4  | 0.0   | 178.4 |





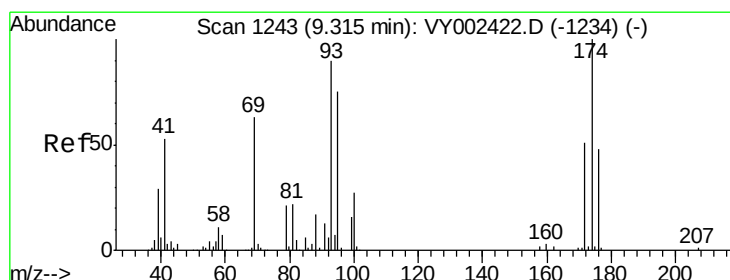
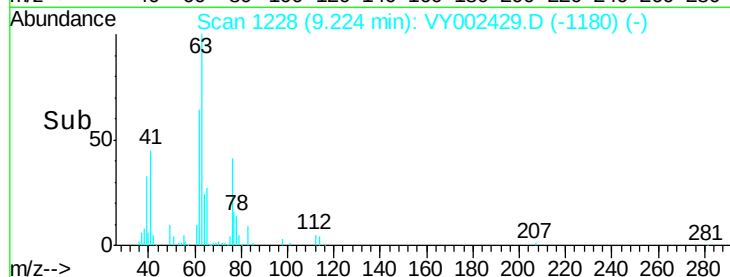
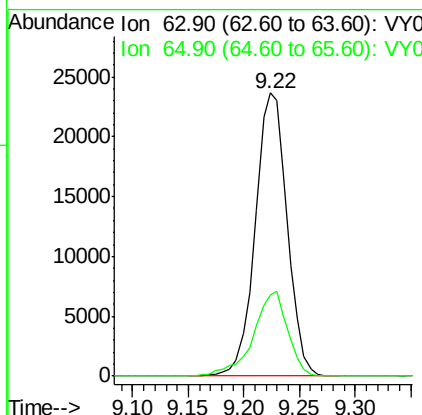
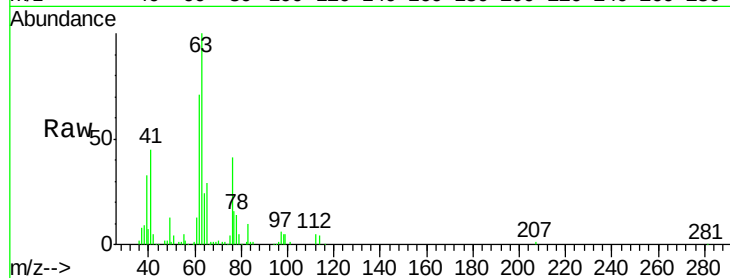
#45  
 1,2-Dichloropropane  
 Concen: 19.627 ug/l  
 RT: 9.22 min Scan# 1228  
 Delta R.T. -0.01 min  
 Lab File: VY002429.D  
 Acq: 21 Apr 2020 13:50

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0421SBS01

| Tot Ion   | 63    | Resp  | 47154 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 63        | 100   |       |       |
| 65        | 28.8  | 24.2  | 36.2  |

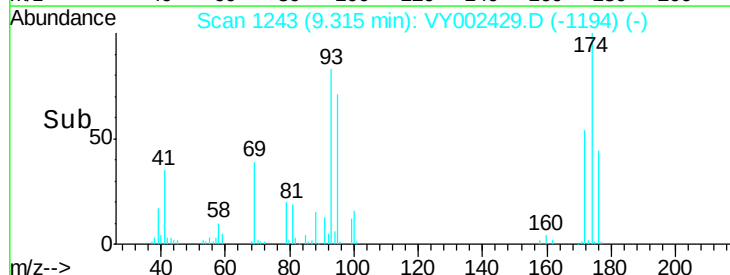
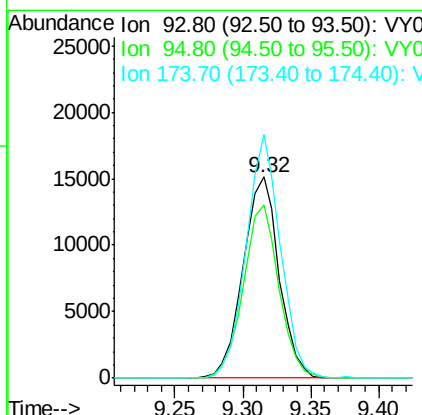
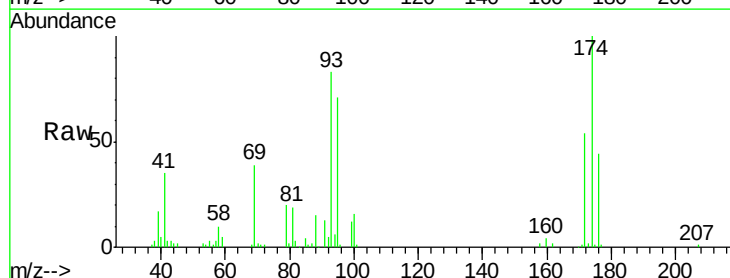
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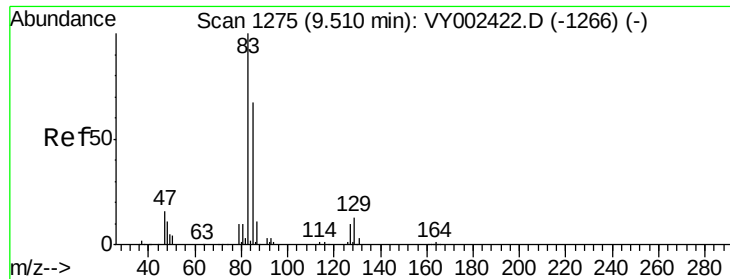
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#46  
 Dibromomethane  
 Concen: 19.972 ug/l  
 RT: 9.32 min Scan# 1243  
 Delta R.T. -0.00 min  
 Lab File: VY002429.D  
 Acq: 21 Apr 2020 13:50

| Tgt Ion   | 93    | Resp  | 28004 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 93        | 100   |       |       |
| 95        | 85.1  | 67.5  | 101.3 |
| 174       | 115.5 | 94.5  | 141.7 |





#47

Bromodichloromethane

Concen: 19.402 ug/l

RT: 9.50 min Scan# 1274

Delta R.T. -0.01 min

Lab File: VY002429.D

Acq: 21 Apr 2020 13:50

Instrument :

MSVOA\_Y

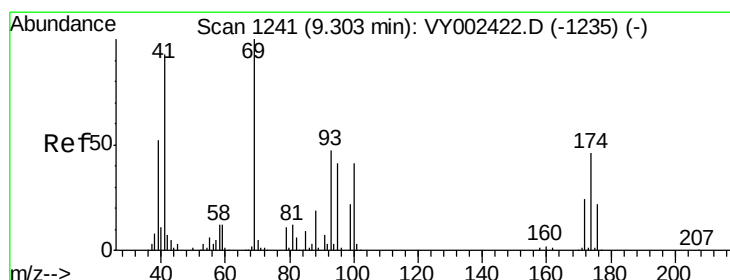
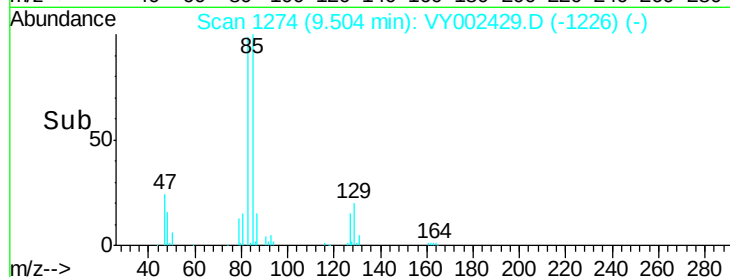
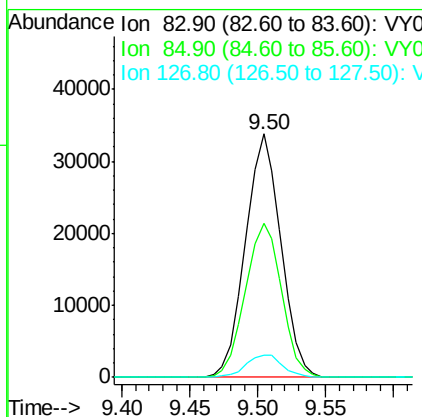
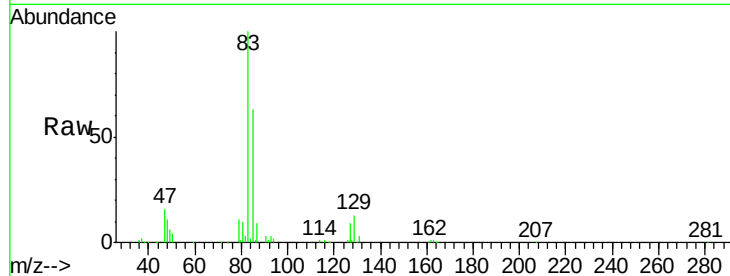
ClientSampleId :

VY0421SBS01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 83    | Resp: | 61721 |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 85       | 63.4  | 53.4  | 80.2  |
| 127      | 9.1   | 7.8   | 11.6  |

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#48

Methyl methacrylate

Concen: 18.756 ug/l

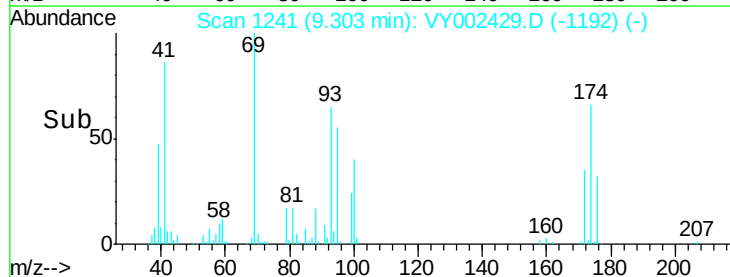
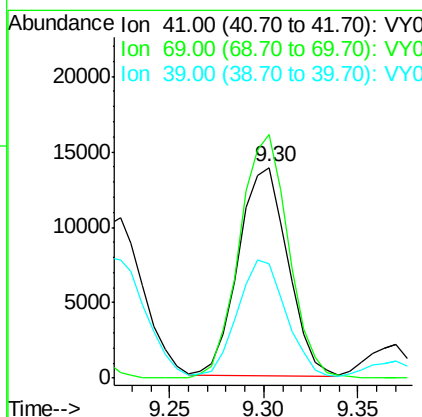
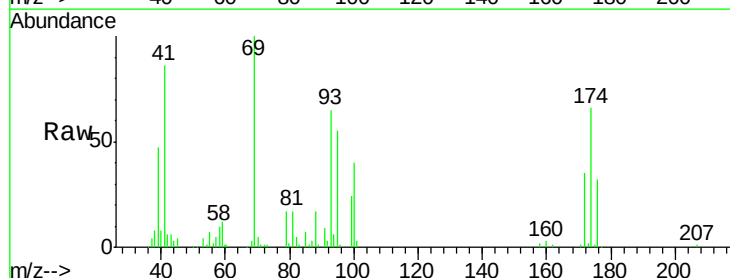
RT: 9.30 min Scan# 1241

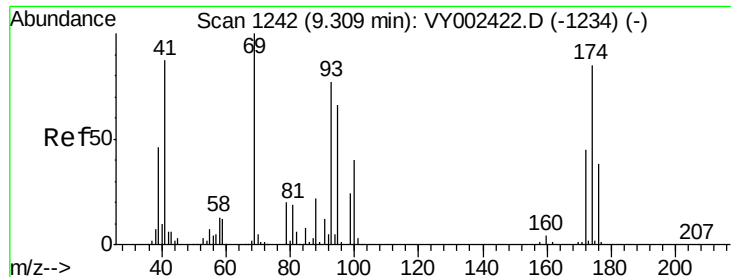
Delta R.T. -0.00 min

Lab File: VY002429.D

Acq: 21 Apr 2020 13:50

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 25096 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 69       | 116.1 | 87.9  | 131.9 |
| 39       | 57.0  | 43.5  | 65.3  |





#49

1,4-Dioxane

Concen: 379.547 ug/l

RT: 9.31 min Scan# 1242

Delta R.T. -0.00 min

Lab File: VY002429.D

Acq: 21 Apr 2020 13:50

Instrument :

MSVOA\_Y

ClientSampleId :

VY0421SBS01

Tot Ion: 88 Resp: 7846

Ion Ratio Lower Upper

88 100

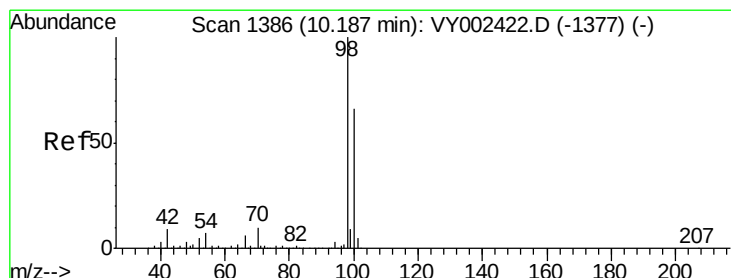
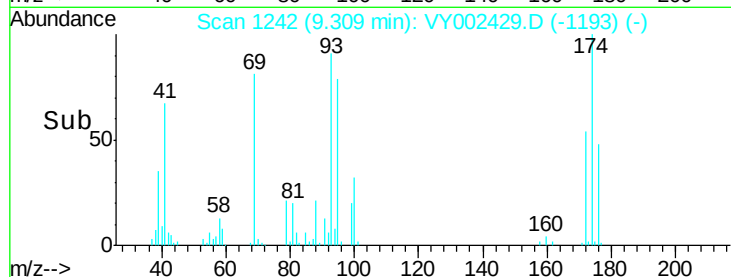
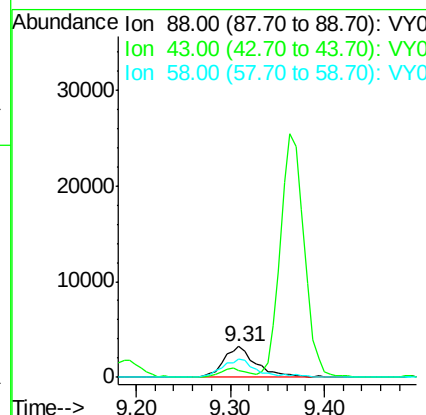
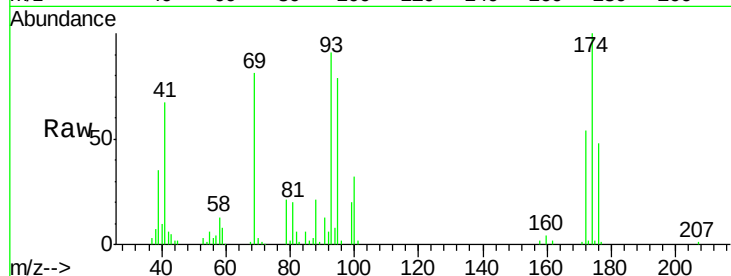
43 23.4 19.0 28.6

58 57.3 44.8 67.2

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#50

Toluene-d8

Concen: 52.246 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.01 min

Lab File: VY002429.D

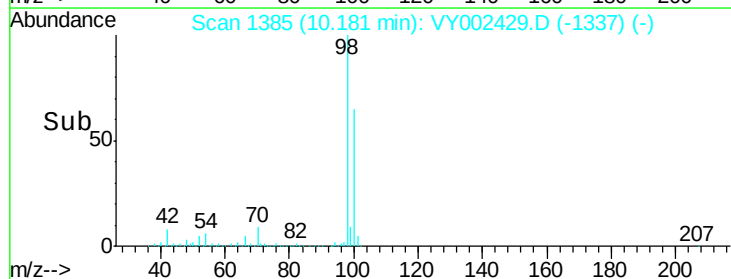
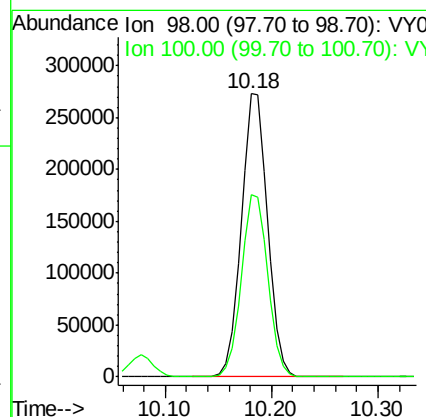
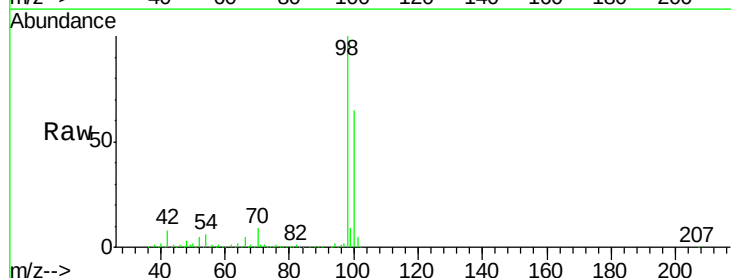
Acq: 21 Apr 2020 13:50

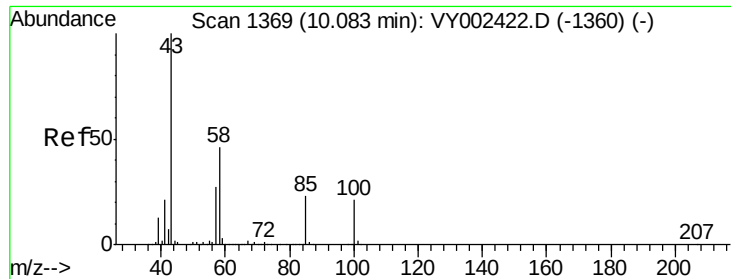
Tgt Ion: 98 Resp: 472056

Ion Ratio Lower Upper

98 100

100 64.9 51.6 77.4





#51

4-Methyl-2-Pentanone

Concen: 101.299 ug/l

RT: 10.08 min Scan# 1368

Delta R.T. -0.01 min

Lab File: VY002429.D

Acq: 21 Apr 2020 13:50

Instrument :

MSVOA\_Y

ClientSampleId :

VY0421SBS01

Tot Ion: 43 Resp: 157666

Ion Ratio Lower Upper

43 100

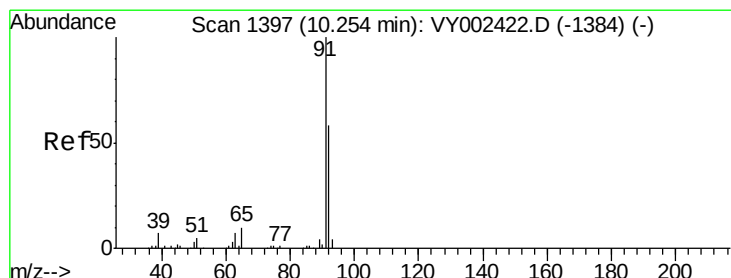
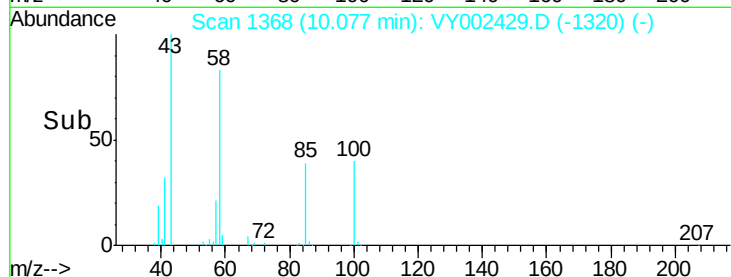
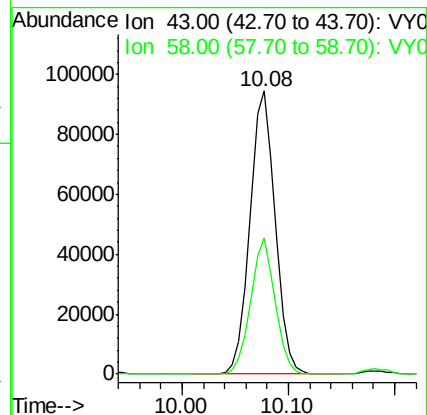
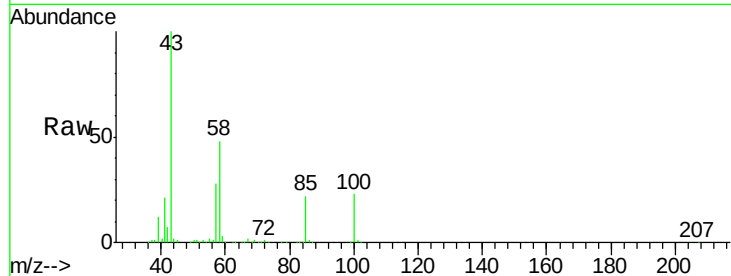
58 46.6 36.8 55.2

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#52

Toluene

Concen: 19.513 ug/l

RT: 10.25 min Scan# 1396

Delta R.T. -0.01 min

Lab File: VY002429.D

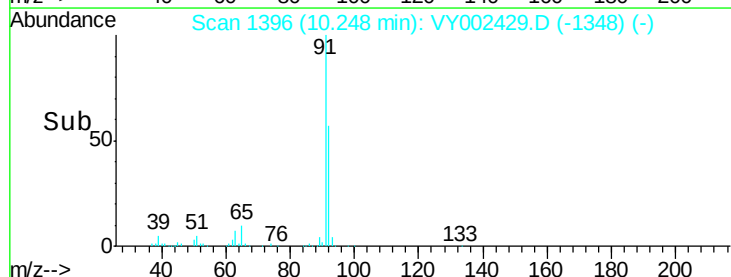
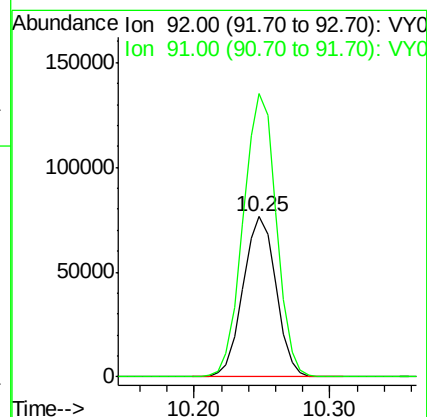
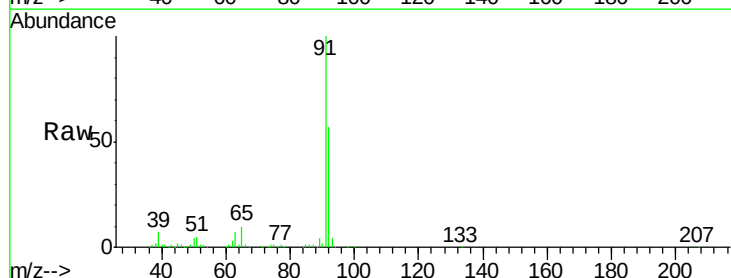
Acq: 21 Apr 2020 13:50

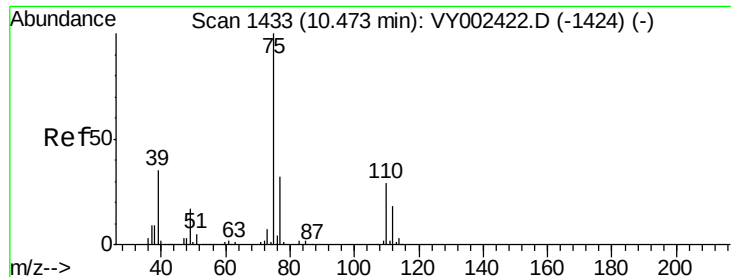
Tgt Ion: 92 Resp: 129888

Ion Ratio Lower Upper

92 100

91 176.9 139.3 208.9





#53

t-1,3-Dichloropropene

Concen: 19.474 ug/l

RT: 10.47 min Scan# 1432

Delta R.T. -0.01 min

Lab File: VY002429.D

Acq: 21 Apr 2020 13:50

Instrument :

MSVOA\_Y

ClientSampleId :

VY0421SBS01

Tot Ion: 75 Resp: 66260

Ion Ratio Lower Upper

75 100

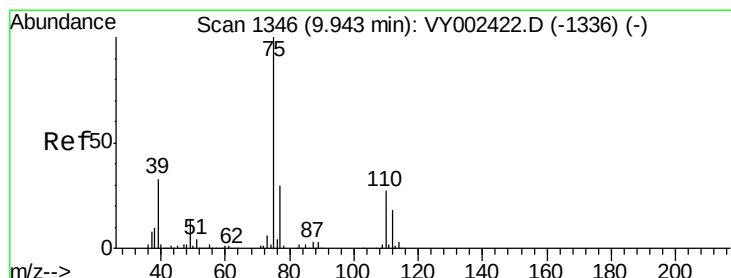
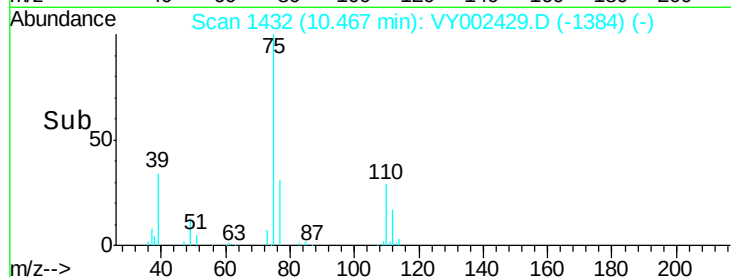
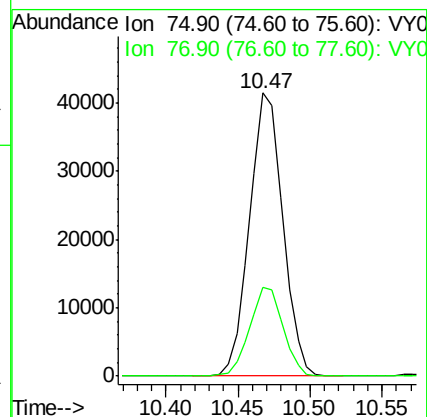
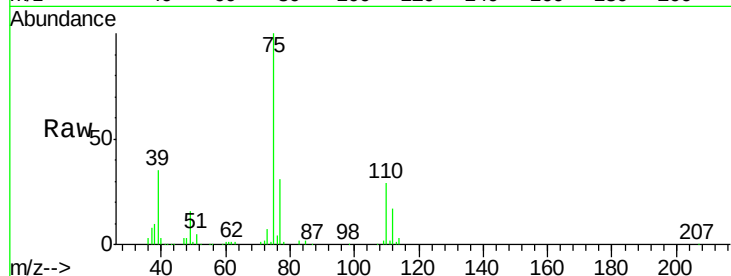
77 31.2 25.2 37.8

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#54

cis-1,3-Dichloropropene

Concen: 19.888 ug/l

RT: 9.93 min Scan# 1344

Delta R.T. -0.01 min

Lab File: VY002429.D

Acq: 21 Apr 2020 13:50

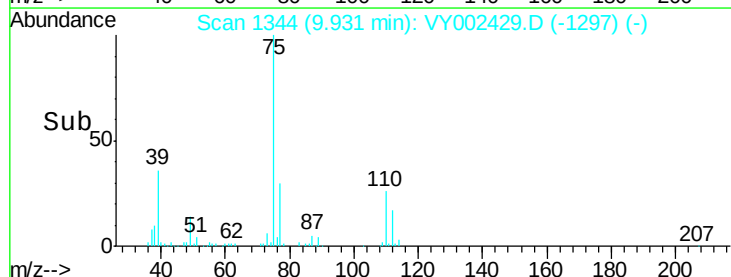
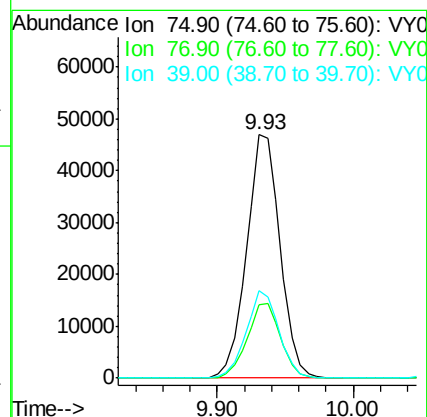
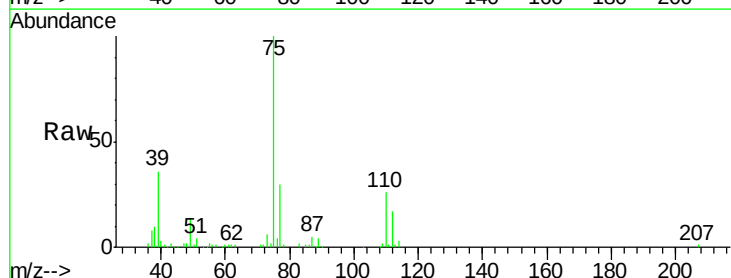
Tgt Ion: 75 Resp: 80480

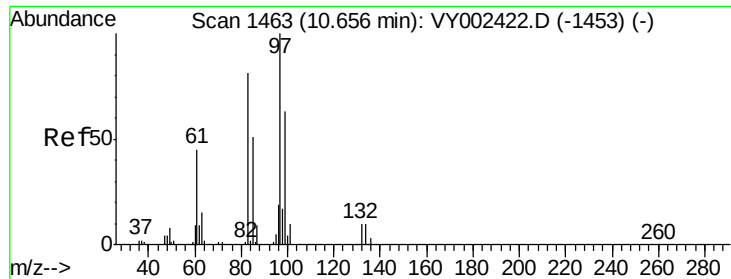
Ion Ratio Lower Upper

75 100

77 30.2 24.2 36.4

39 36.0 26.6 40.0





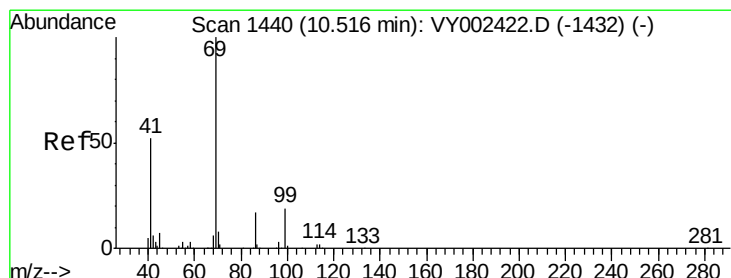
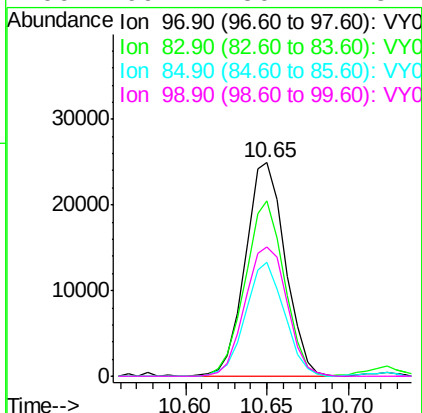
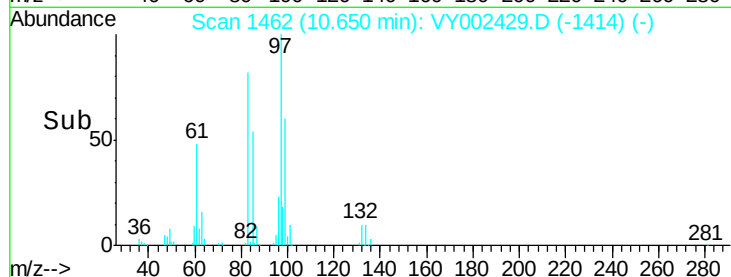
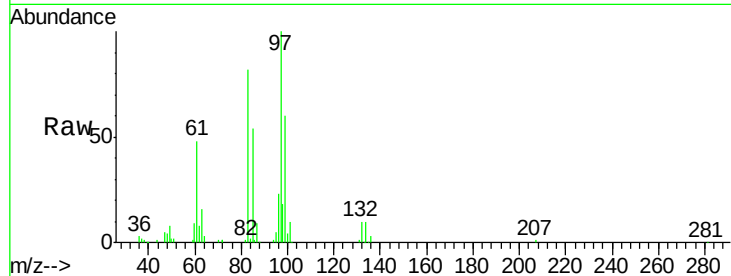
#55  
 1,1,2-Trichloroethane  
 Concen: 20.137 ug/l  
 RT: 10.65 min Scan# 1462  
 Delta R.T. -0.01 min  
 Lab File: VY002429.D  
 Acq: 21 Apr 2020 13:50

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0421SBS01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 97    | Resp: | 42350 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 82.0  | 64.6  | 96.8  |
| 85       | 53.5  | 41.1  | 61.7  |
| 99       | 60.4  | 50.2  | 75.2  |

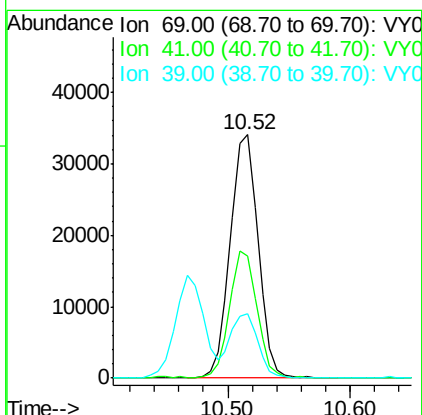
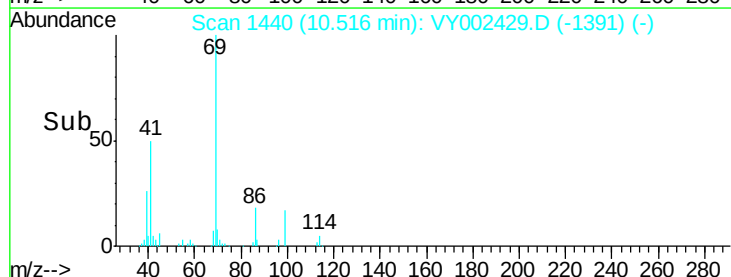
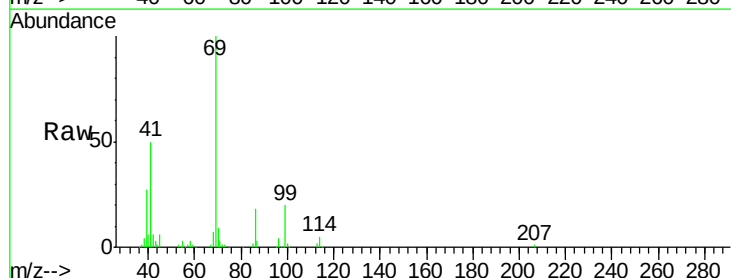
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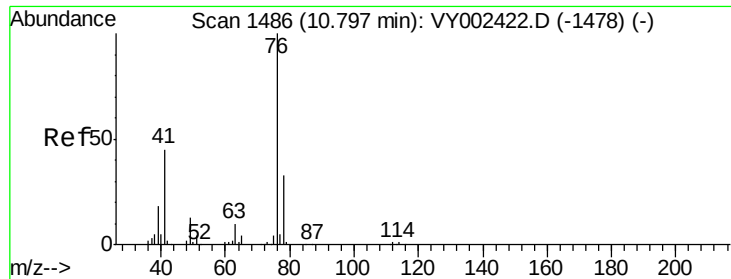


#56  
 Ethyl methacrylate  
 Concen: 19.794 ug/l  
 RT: 10.52 min Scan# 1440  
 Delta R.T. -0.00 min  
 Lab File: VY002429.D  
 Acq: 21 Apr 2020 13:50

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 69    | Resp: | 53620 |
| Ion      | Ratio | Lower | Upper |
| 69       | 100   |       |       |
| 41       | 51.7  | 42.0  | 63.0  |
| 39       | 26.8  | 21.2  | 31.8  |







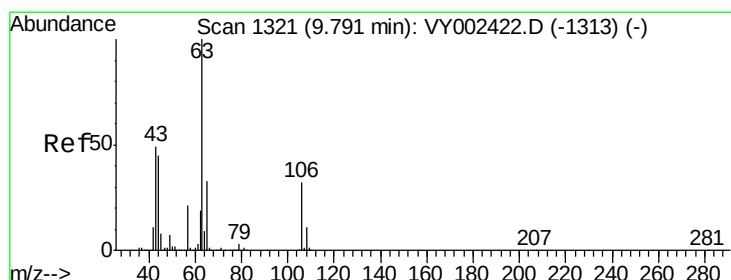
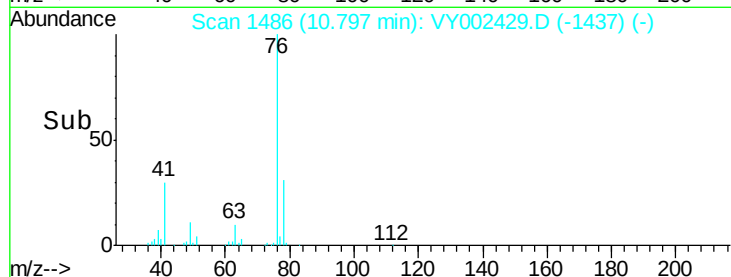
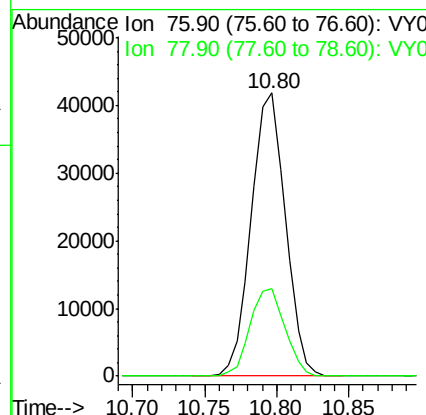
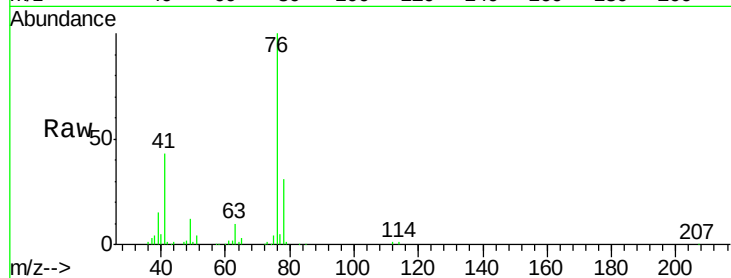
#57  
 1,3-Dichloropropane  
 Concen: 19.880 ug/l  
 RT: 10.80 min Scan# 1486  
 Delta R.T. -0.00 min  
 Lab File: VY002429.D  
 Acq: 21 Apr 2020 13:50

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0421SBS01

| Tot Ion   | 76    | Resp  | 68447 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 76        | 100   |       |       |
| 78        | 31.7  | 26.2  | 39.2  |

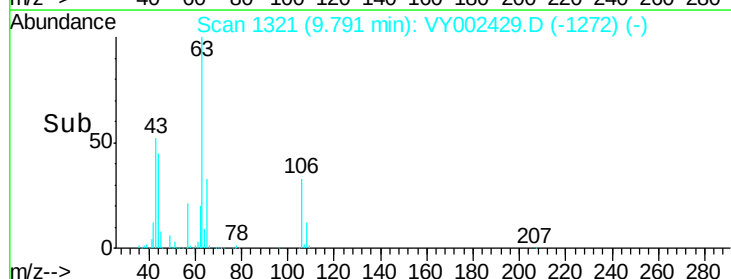
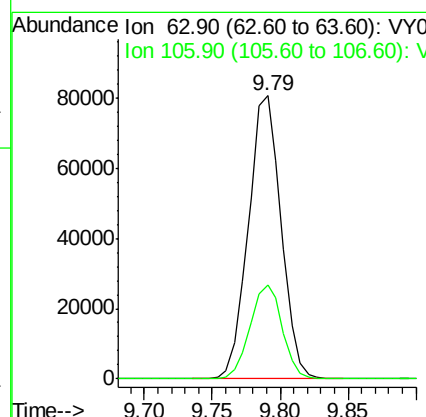
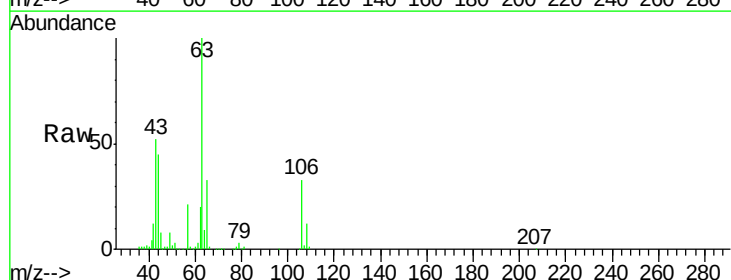
Manual Integrations  
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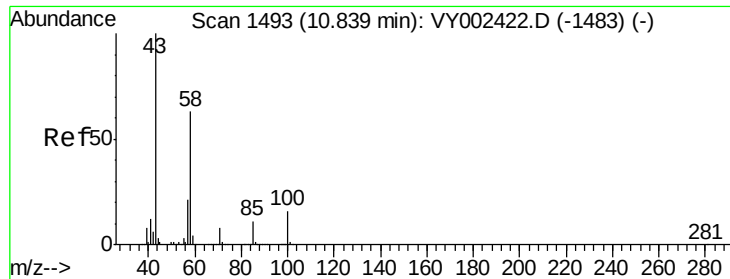
MMDadoda  
 4/22/2020 11:44:25 AM



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 101.265 ug/l  
 RT: 9.79 min Scan# 1321  
 Delta R.T. -0.00 min  
 Lab File: VY002429.D  
 Acq: 21 Apr 2020 13:50

| Tgt Ion   | 63    | Resp  | 135885 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 63        | 100   |       |        |
| 106       | 32.8  | 26.2  | 39.4   |





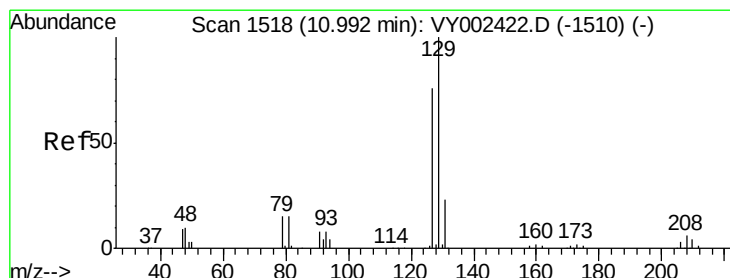
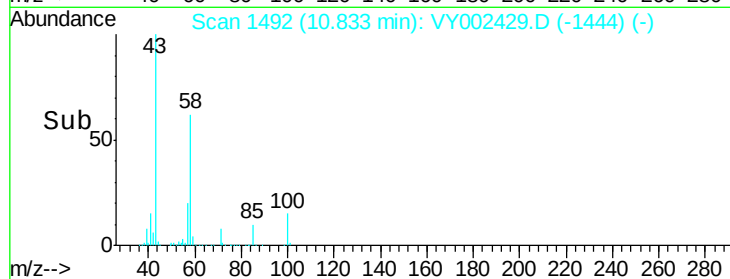
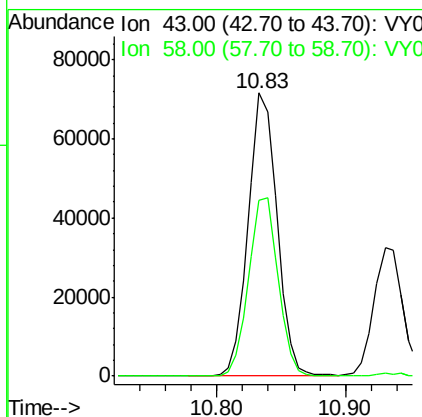
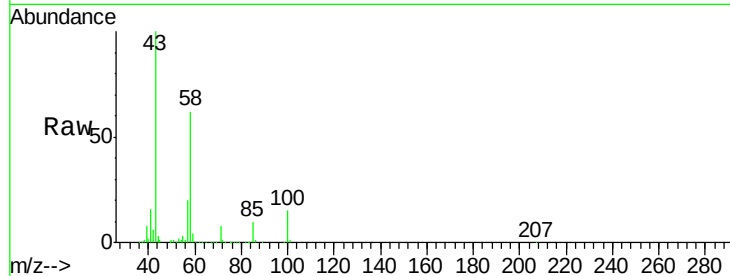
#59  
2-Hexanone  
Concen: 100.026 ug/l  
RT: 10.83 min Scan# 1492  
Delta R.T. -0.01 min  
Lab File: VY002429.D  
Acq: 21 Apr 2020 13:50

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0421SBS01

Tot Ion: 43 Resp: 110494  
Ion Ratio Lower Upper  
43 100  
58 64.5 32.5 97.4

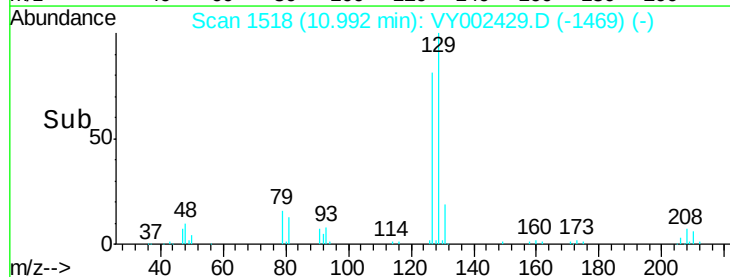
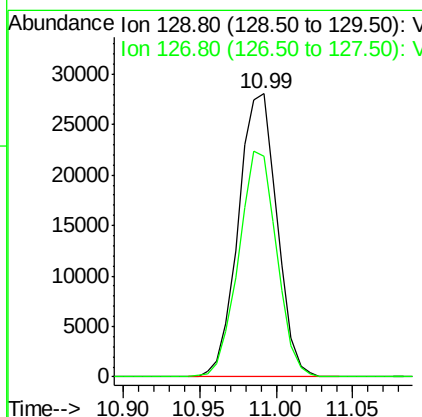
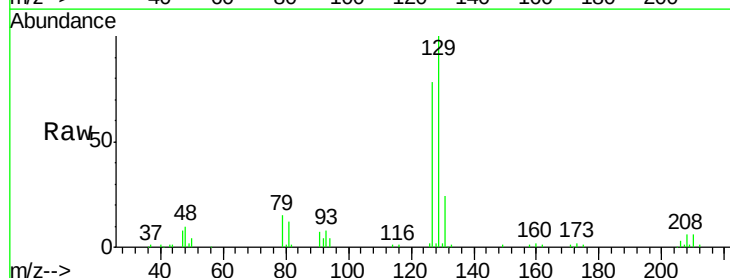
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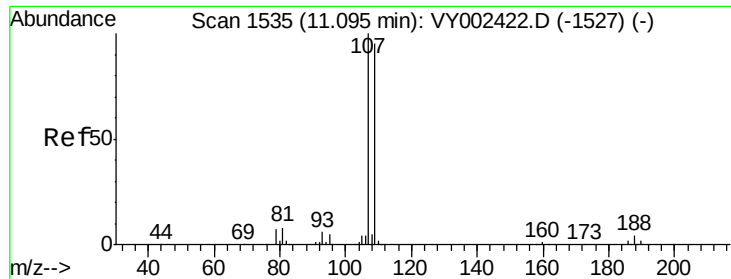
MMDadoda  
4/22/2020 11:44:25 AM



#60  
Dibromochloromethane  
Concen: 19.433 ug/l  
RT: 10.99 min Scan# 1518  
Delta R.T. -0.00 min  
Lab File: VY002429.D  
Acq: 21 Apr 2020 13:50

Tgt Ion: 129 Resp: 49226  
Ion Ratio Lower Upper  
129 100  
127 78.2 38.6 115.7





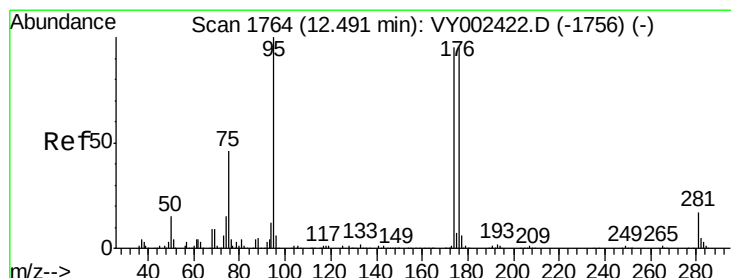
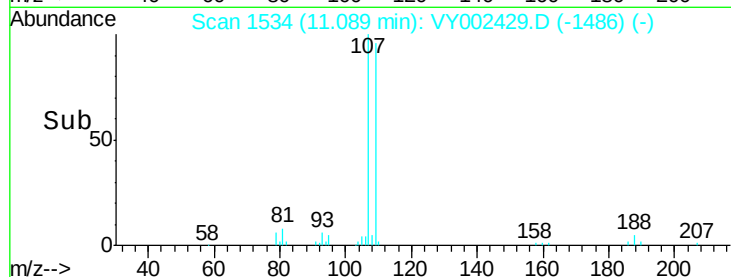
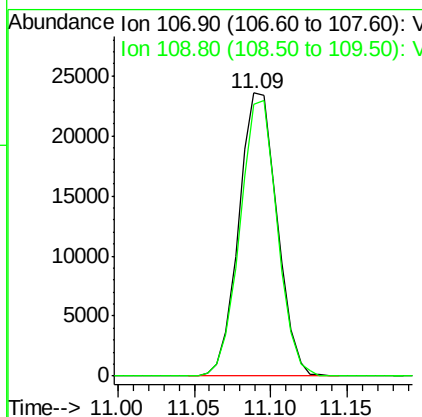
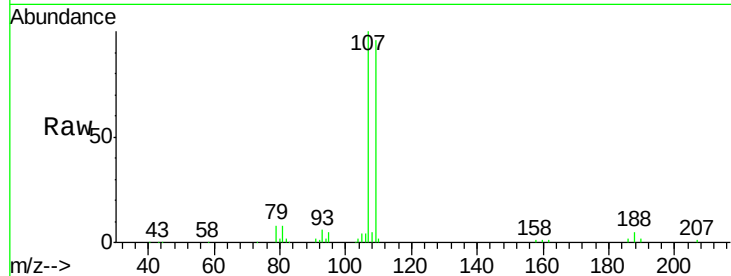
#61  
 1,2-Dibromoethane  
 Concen: 19.943 ug/l  
 RT: 11.09 min Scan# 1534  
 Delta R.T. -0.01 min  
 Lab File: VY002429.D  
 Acq: 21 Apr 2020 13:50

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0421SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 109     | 94.9  | 76.4  | 114.6 |

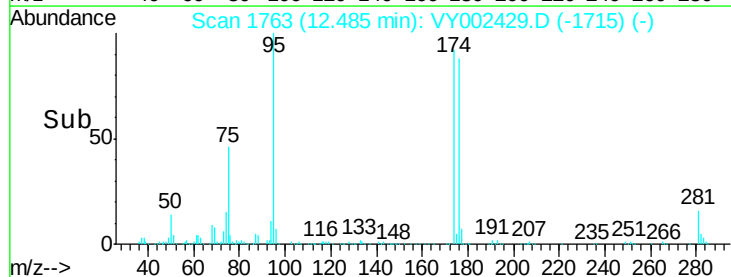
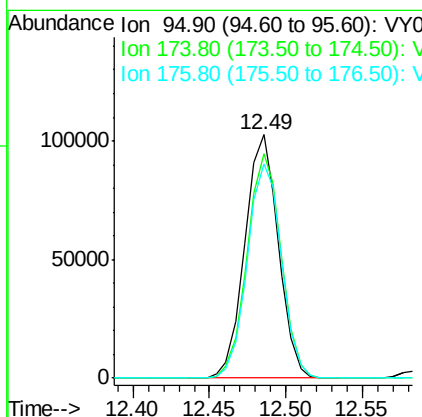
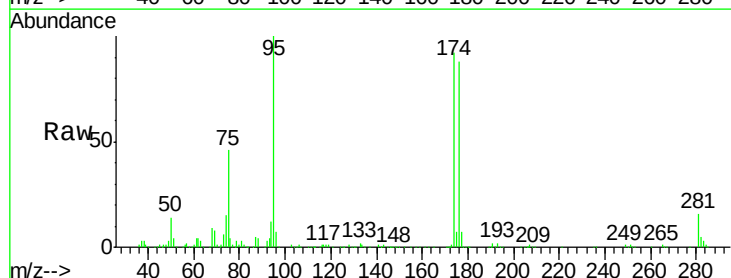
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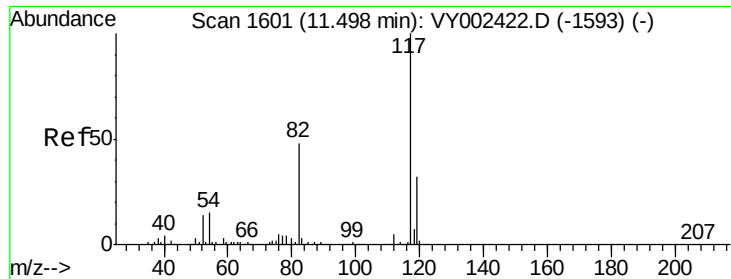
MMDadoda  
 4/22/2020 11:44:25 AM



#62  
 4-Bromofluorobenzene  
 Concen: 52.171 ug/l  
 RT: 12.49 min Scan# 1763  
 Delta R.T. -0.01 min  
 Lab File: VY002429.D  
 Acq: 21 Apr 2020 13:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 95      | 100   |       |       |
| 174     | 93.8  | 0.0   | 185.8 |
| 176     | 89.9  | 0.0   | 181.2 |





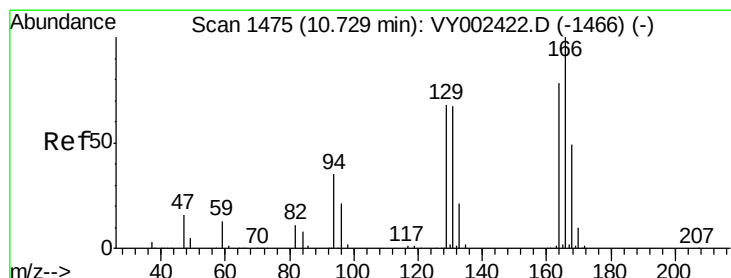
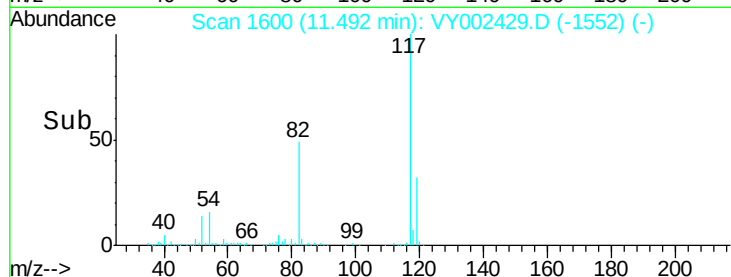
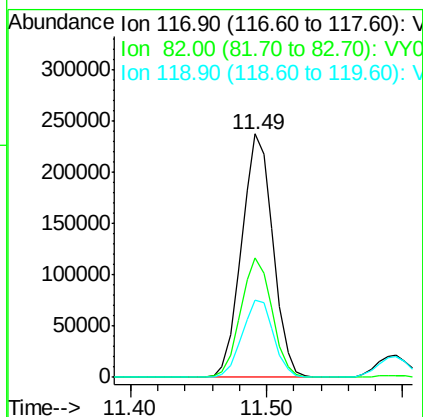
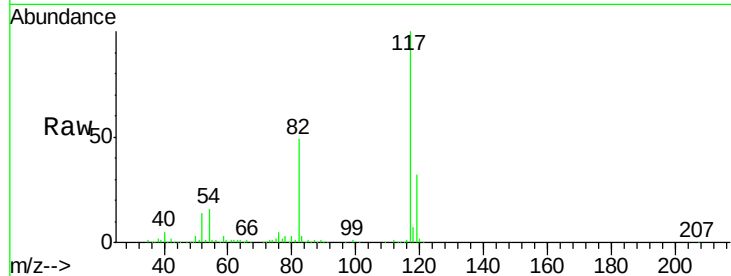
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.49 min Scan# 1600  
Delta R.T. -0.01 min  
Lab File: VY002429.D  
Acq: 21 Apr 2020 13:50

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0421SBS01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 117     | 100   | 381464 |       |       |
| 82      | 49.2  |        | 38.4  | 57.6  |
| 119     | 31.6  |        | 25.3  | 37.9  |

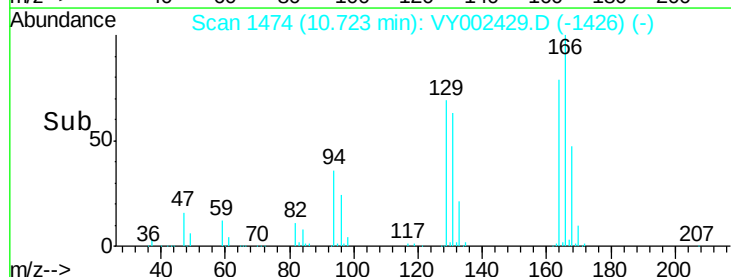
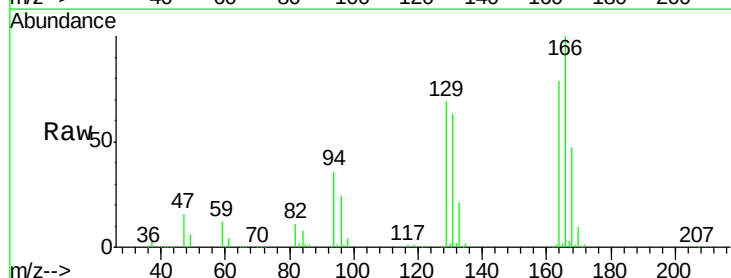
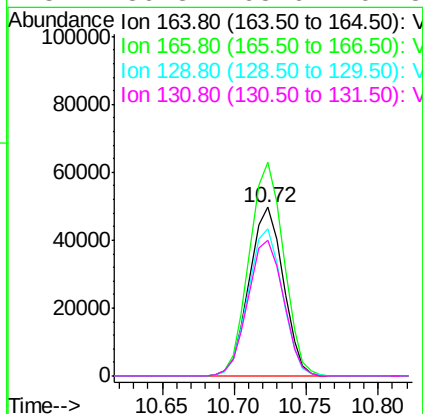
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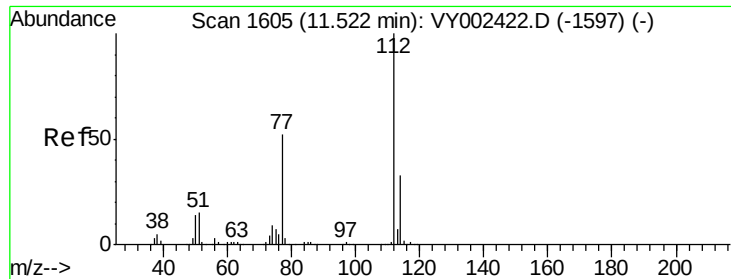
MMDadoda  
4/22/2020 11:44:25 AM



#64  
Tetrachloroethene  
Concen: 20.085 ug/l  
RT: 10.72 min Scan# 1474  
Delta R.T. -0.01 min  
Lab File: VY002429.D  
Acq: 21 Apr 2020 13:50

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 164     | 100   | 81742 |       |       |
| 166     | 126.5 |       | 102.4 | 153.6 |
| 129     | 86.9  |       | 70.1  | 105.1 |
| 131     | 80.3  |       | 68.6  | 102.8 |





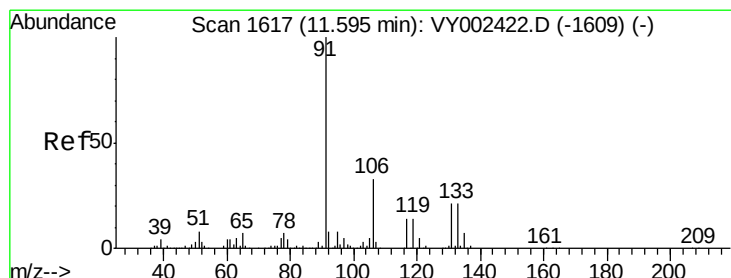
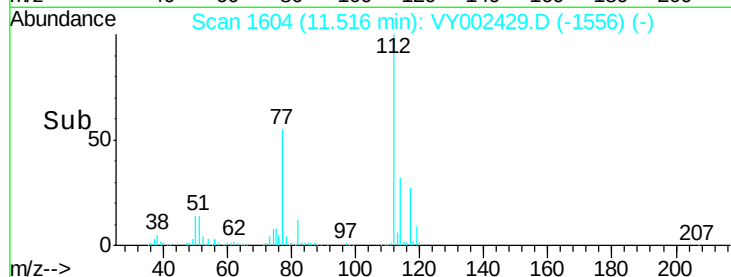
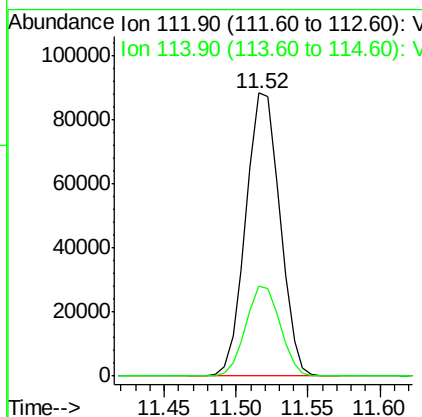
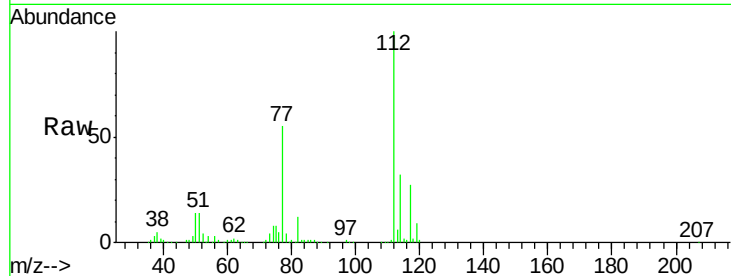
#65  
Chlorobenzene  
Concen: 19.832 ug/l  
RT: 11.52 min Scan# 1604  
Delta R.T. -0.01 min  
Lab File: VY002429.D  
Acq: 21 Apr 2020 13:50

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0421SBS01

Tot Ion:112 Resp: 145130  
Ion Ratio Lower Upper  
112 100  
114 31.6 26.5 39.7

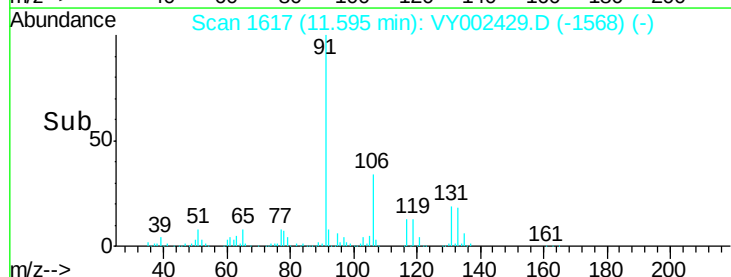
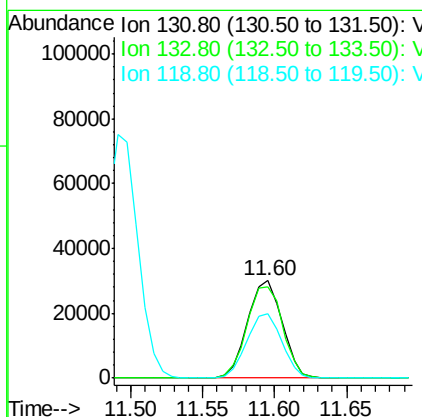
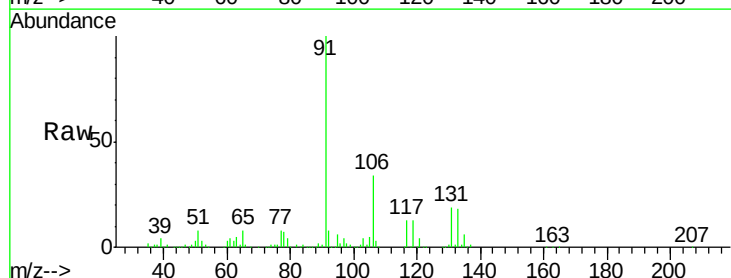
Manual Integrations  
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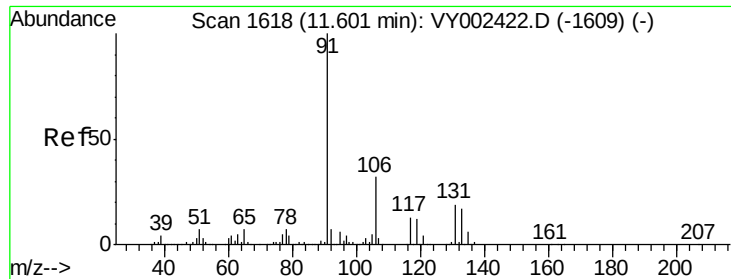
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#66  
1,1,1,2-Tetrachloroethane  
Concen: 19.399 ug/l  
RT: 11.60 min Scan# 1617  
Delta R.T. -0.00 min  
Lab File: VY002429.D  
Acq: 21 Apr 2020 13:50

Tgt Ion:131 Resp: 50082  
Ion Ratio Lower Upper  
131 100  
133 97.3 47.9 143.8  
119 67.0 33.5 100.4





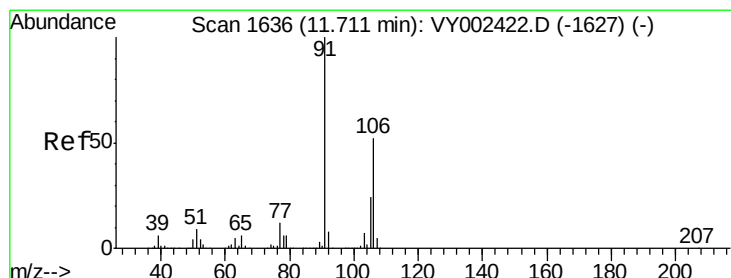
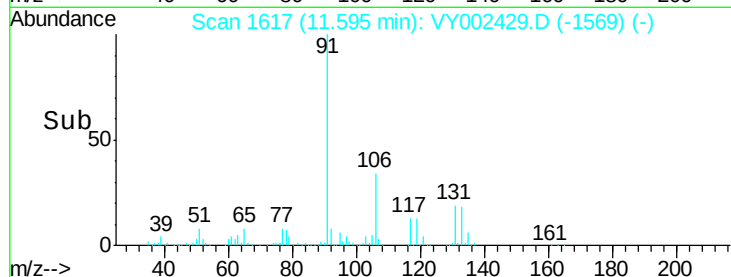
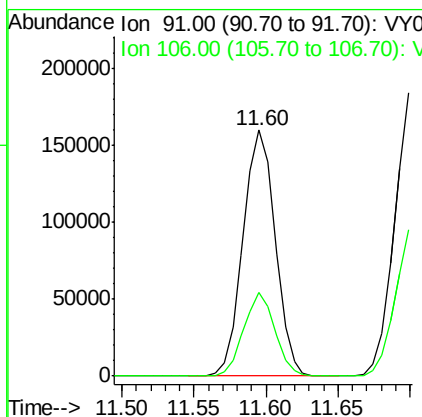
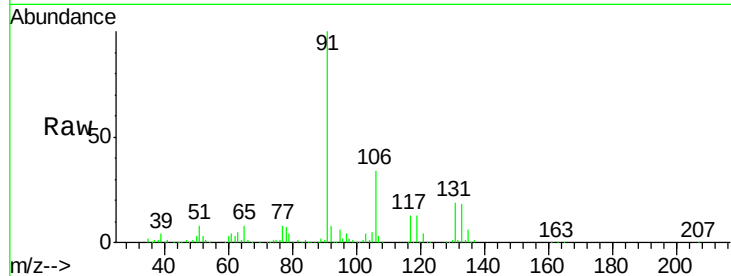
#67  
Ethyl Benzene  
Concen: 19.521 ug/l  
RT: 11.60 min Scan# 1617  
Delta R.T. -0.01 min  
Lab File: VY002429.D  
Acq: 21 Apr 2020 13:50

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0421SBS01

Tot Ion: 91 Resp: 247075  
Ion Ratio Lower Upper  
91 100  
106 33.9 25.8 38.8

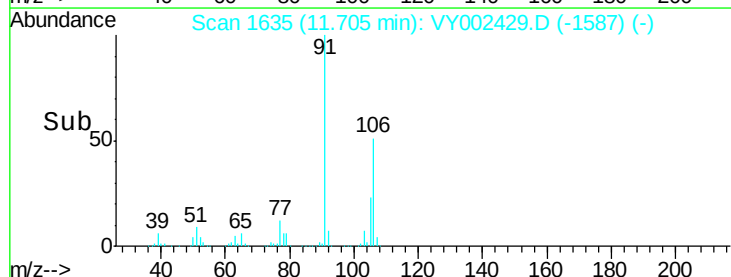
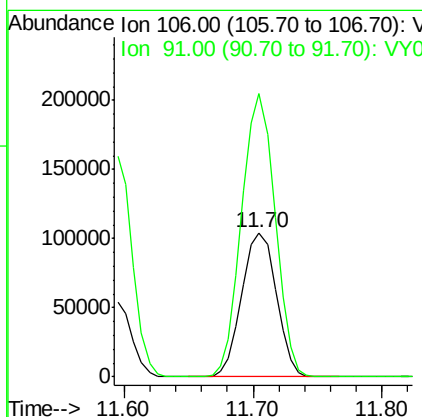
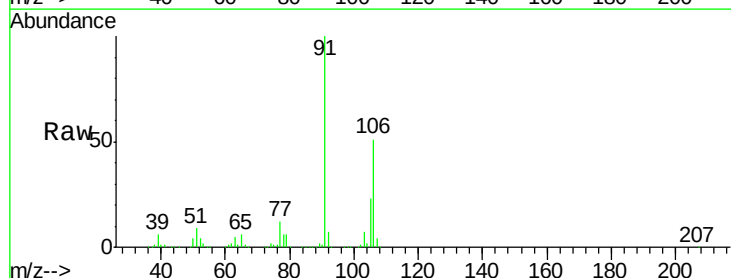
Manual Integrations  
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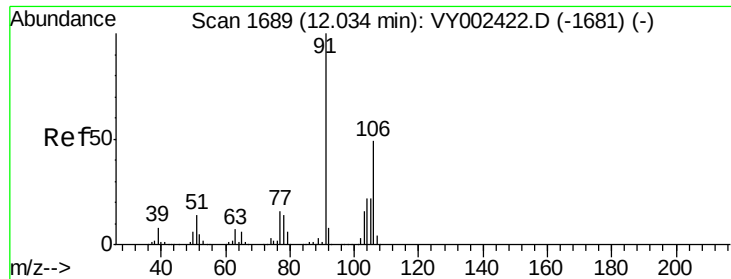
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#68  
m/p-Xylenes  
Concen: 39.681 ug/l  
RT: 11.70 min Scan# 1635  
Delta R.T. -0.01 min  
Lab File: VY002429.D  
Acq: 21 Apr 2020 13:50

Tgt Ion: 106 Resp: 194090  
Ion Ratio Lower Upper  
106 100  
91 190.3 153.6 230.4





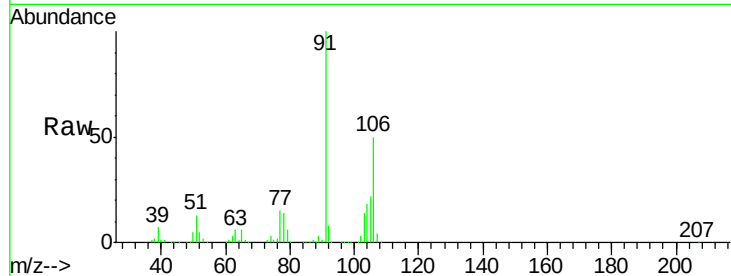
#69  
o-Xylene  
Concen: 19.904 ug/l  
RT: 12.03 min Scan# 1688  
Delta R.T. -0.01 min  
Lab File: VY002429.D  
Acq: 21 Apr 2020 13:50

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0421SBS01

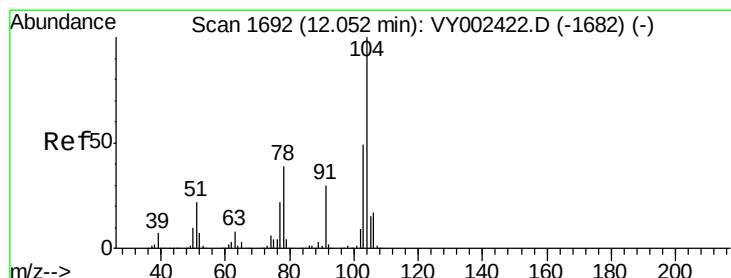
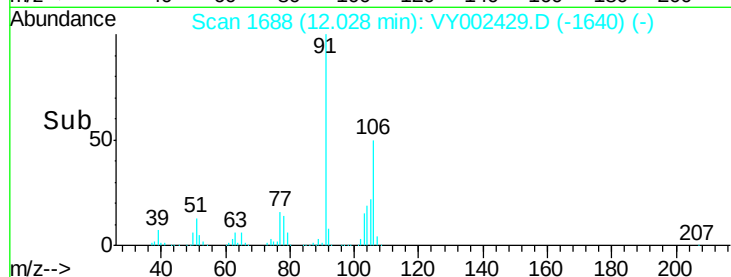
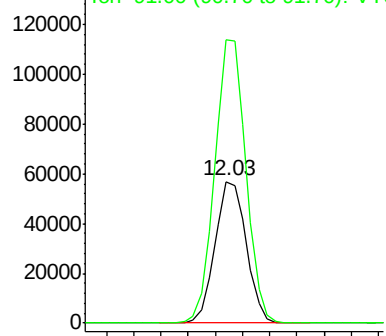
Tot Ion:106 Resp: 91722  
Ion Ratio Lower Upper  
106 100  
91 198.6 100.4 301.2

Manual Integrations  
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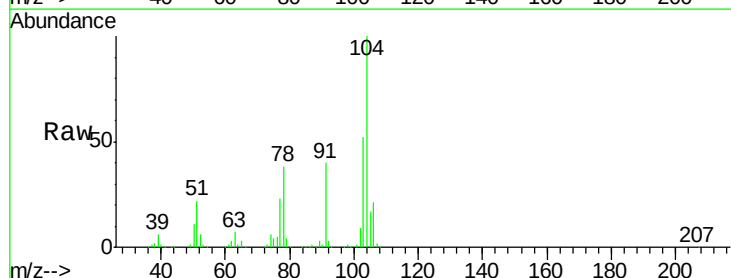


Abundance Ion 106.00 (105.70 to 106.70): V  
Ion 91.00 (90.70 to 91.70): VY0

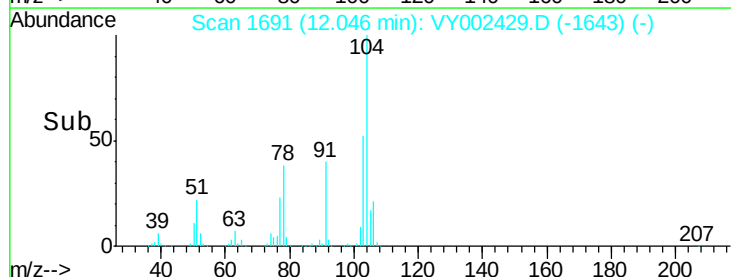
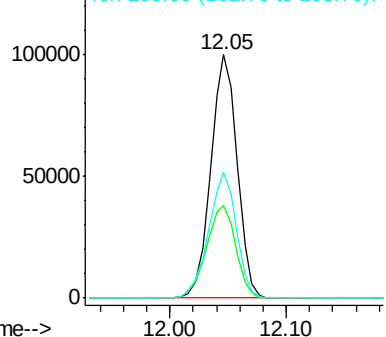


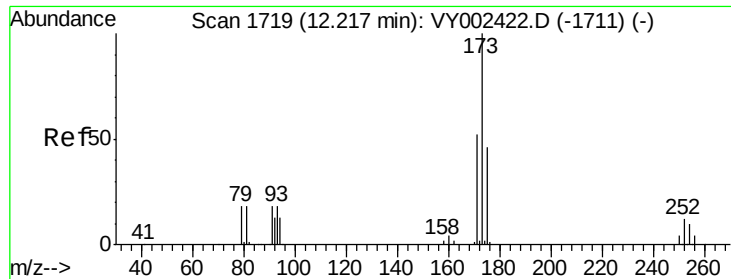
#70  
Styrene  
Concen: 19.933 ug/l  
RT: 12.05 min Scan# 1691  
Delta R.T. -0.01 min  
Lab File: VY002429.D  
Acq: 21 Apr 2020 13:50

Tgt Ion:104 Resp: 157241  
Ion Ratio Lower Upper  
104 100  
78 42.5 34.5 51.7  
103 54.5 43.4 65.2



Abundance Ion 104.00 (103.70 to 104.70): V  
Ion 78.00 (77.70 to 78.70): VY0  
Ion 103.00 (102.70 to 103.70): V





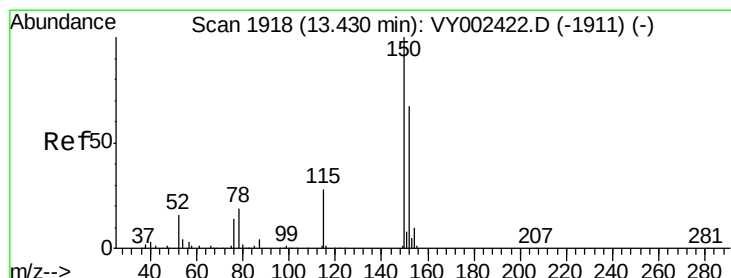
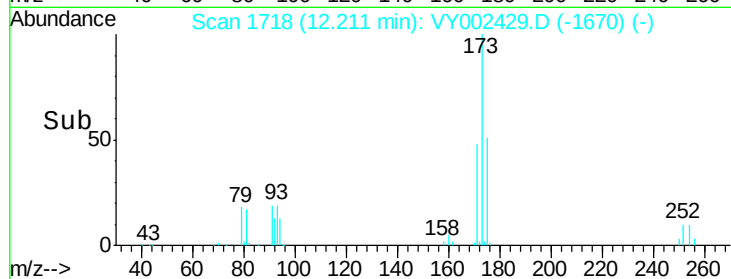
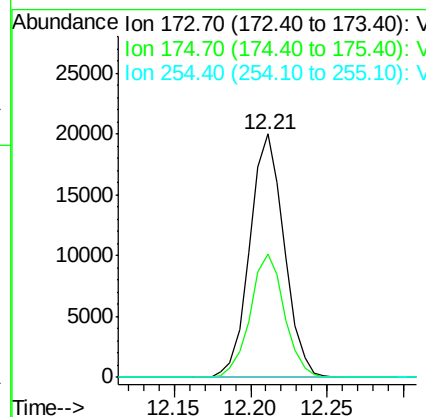
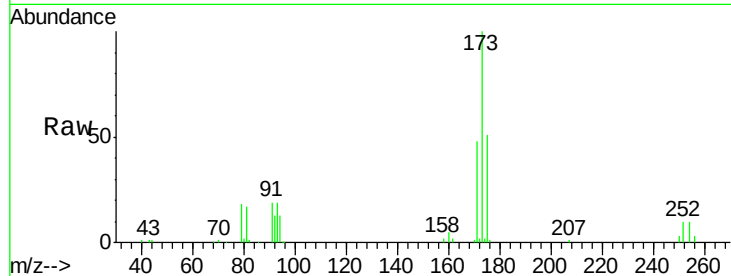
#71  
Bromoform  
Concen: 19.782 ug/l  
RT: 12.21 min Scan# 1718  
Delta R.T. -0.01 min  
Lab File: VY002429.D  
Acq: 21 Apr 2020 13:50

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0421SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 173     | 100   |       |       |
| 175     | 50.3  | 23.9  | 71.7  |
| 254     | 0.0   | 0.1   | 0.1#  |

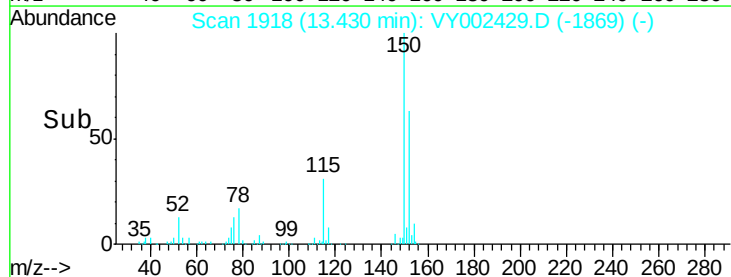
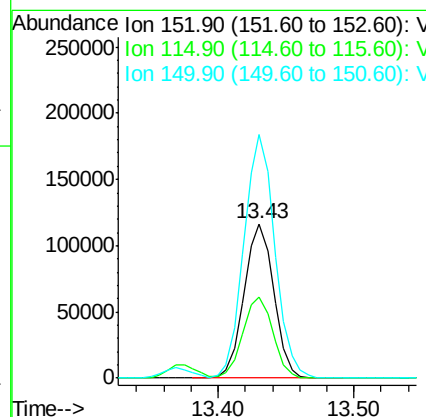
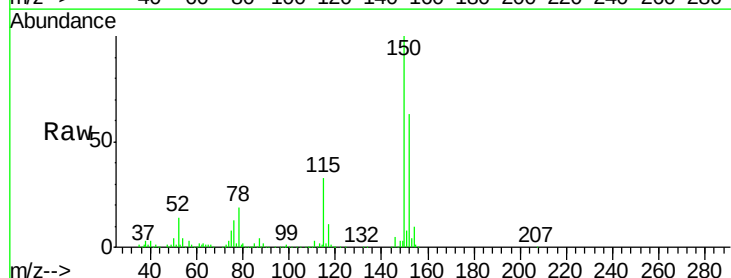
Manual Integrations  
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MMDadoda  
4/22/2020 11:44:25 AM

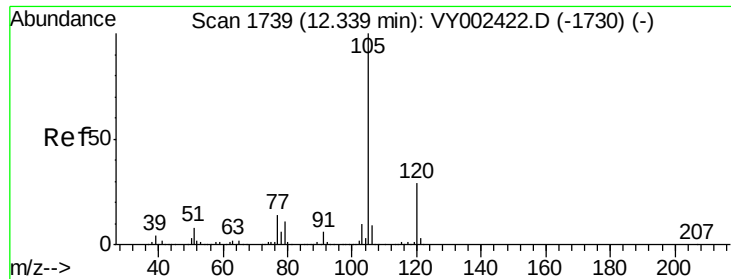


#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.43 min Scan# 1918  
Delta R.T. -0.00 min  
Lab File: VY002429.D  
Acq: 21 Apr 2020 13:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 53.4  | 27.3  | 81.8  |
| 150     | 164.3 | 0.0   | 344.0 |







#73

Isopropylbenzene

Concen: 21.246 ug/l

RT: 12.33 min Scan# 1738

Delta R.T. -0.01 min

Lab File: VY002429.D

Acq: 21 Apr 2020 13:50

Instrument :

MSVOA\_Y

ClientSampleId :

VY0421SBS01

Tot Ion: 105 Resp: 247530

Ion Ratio Lower Upper

105 100

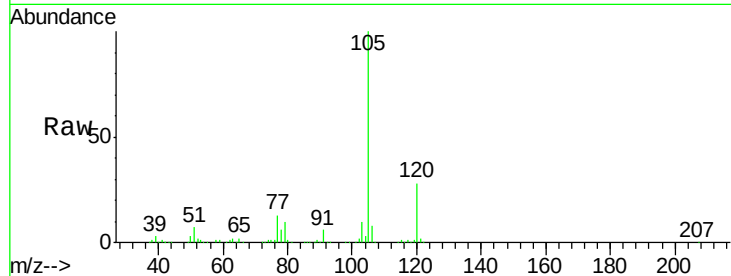
120 28.0 13.9 41.7

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.33

150000

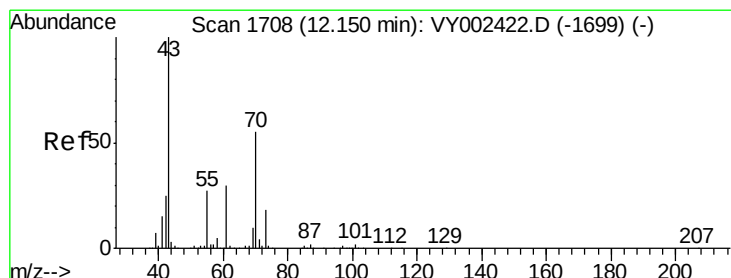
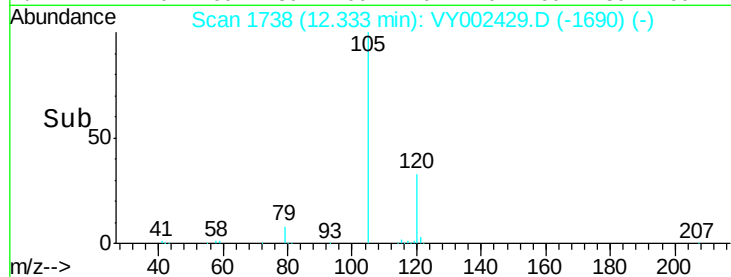
100000

50000

0

Time-->

12.30 12.40



#74

N-ethyl acetate

Concen: 20.305 ug/l

RT: 12.14 min Scan# 1707

Delta R.T. -0.01 min

Lab File: VY002429.D

Acq: 21 Apr 2020 13:50

Tgt Ion: 43 Resp: 51709

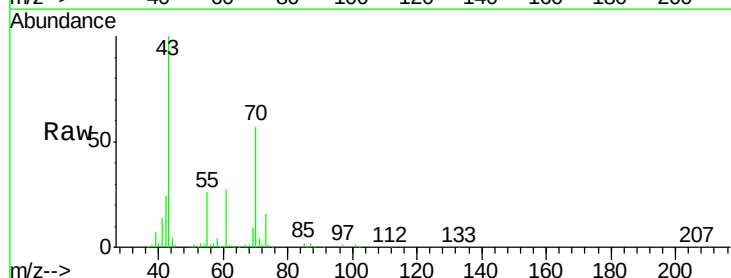
Ion Ratio Lower Upper

43 100

70 54.6 42.6 63.8

55 26.9 21.0 31.4

61 28.7 23.7 35.5



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 70.00 (69.70 to 70.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

Ion 61.00 (60.70 to 61.70): VY0

50000

40000

30000

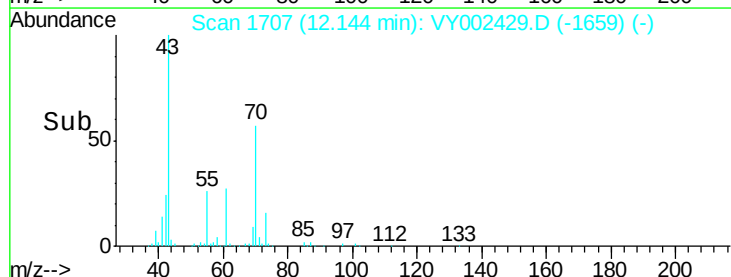
20000

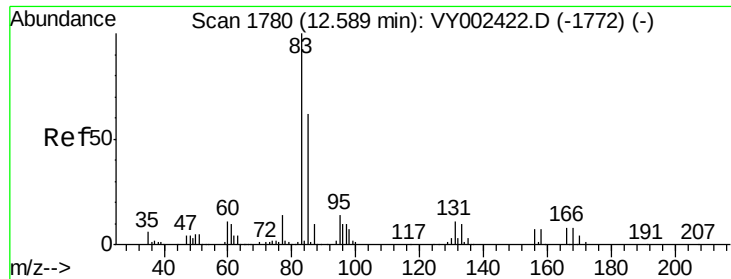
10000

0

Time-->

12.10 12.20





#75

1,1,2,2-Tetrachloroethane

Concen: 20.770 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. -0.01 min

Lab File: VY002429.D

Acq: 21 Apr 2020 13:50

Instrument :

MSVOA\_Y

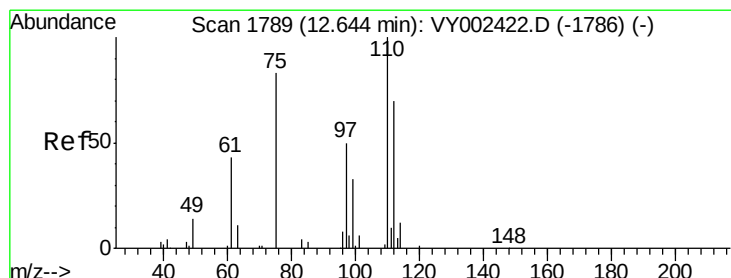
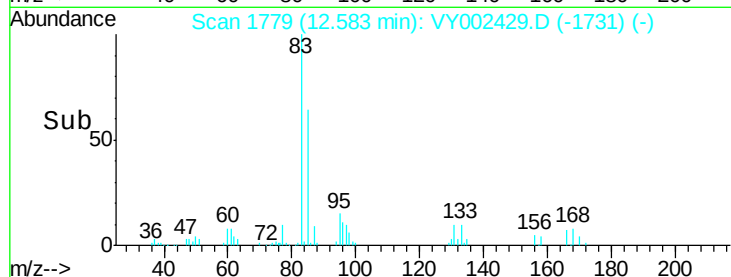
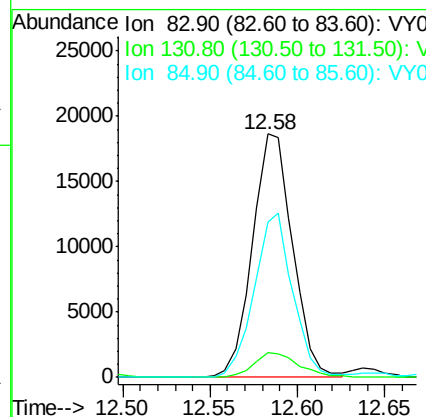
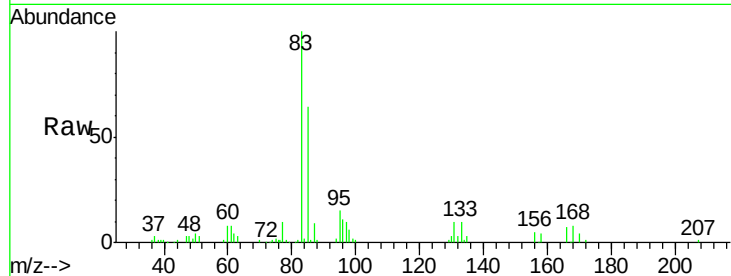
ClientSampleId :

VY0421SBS01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 83    | Resp: | 29791 |
| Ion Ratio | Lower | Upper |       |
| 83        | 100   |       |       |
| 131       | 11.2  | 5.9   | 17.6  |
| 85        | 64.3  | 32.6  | 98.0  |

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#76

1,2,3-Trichloropropane

Concen: 19.055 ug/l m

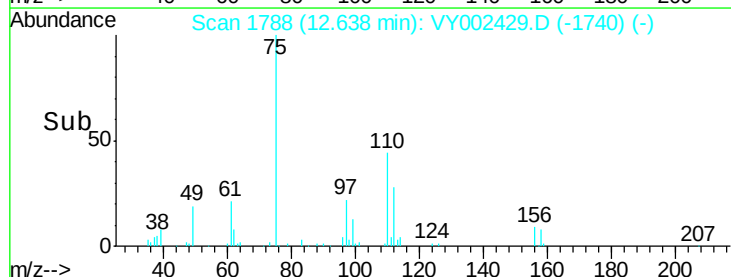
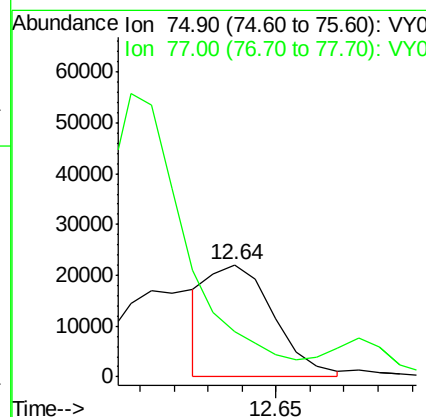
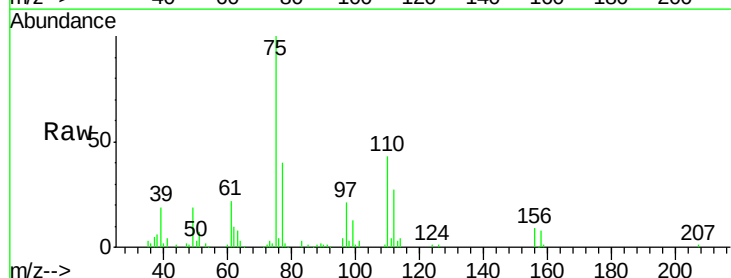
RT: 12.64 min Scan# 1788

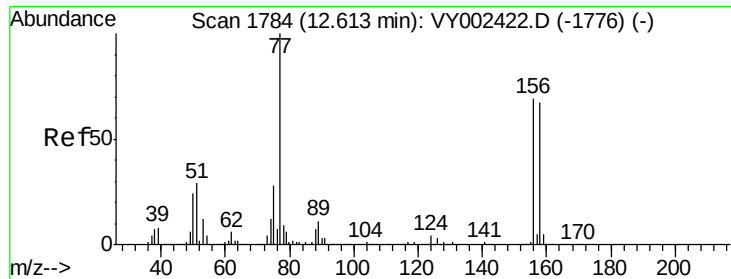
Delta R.T. -0.01 min

Lab File: VY002429.D

Acq: 21 Apr 2020 13:50

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 29800 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 77        | 0.0   | 0.0   | 0.0   |





#77

Bromobenzene

Concen: 21.169 ug/l

RT: 12.61 min Scan# 1784

Delta R.T. -0.00 min

Lab File: VY002429.D

Acq: 21 Apr 2020 13:50

Instrument :

MSVOA\_Y

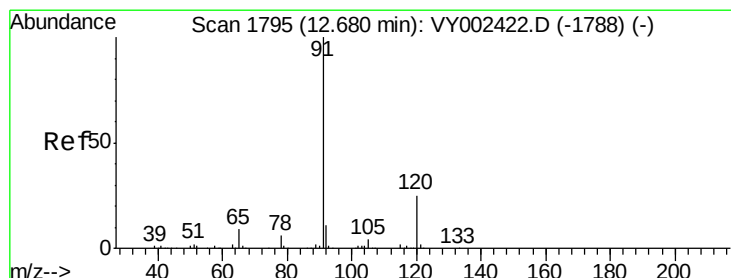
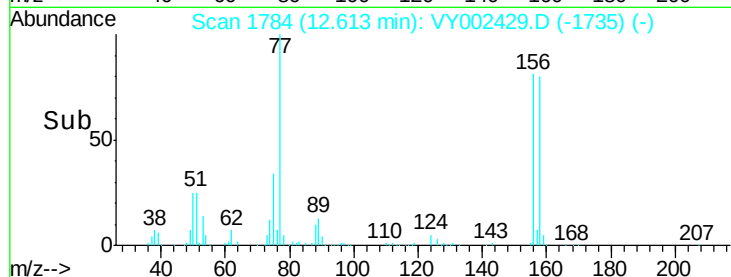
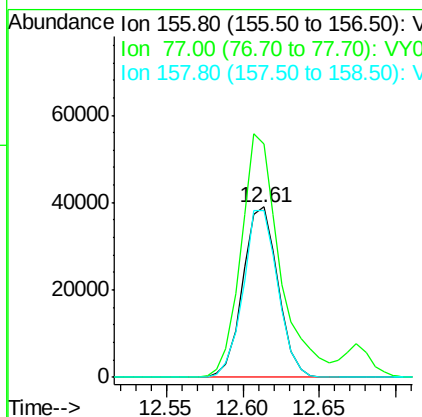
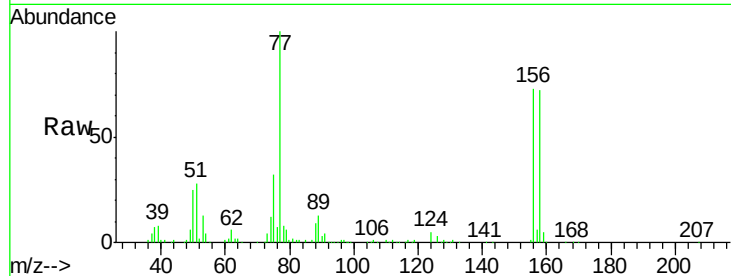
ClientSampleId :

VY0421SBS01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 156   | Resp: | 62131 |
| Ion      | Ratio | Lower | Upper |
| 156      | 100   |       |       |
| 77       | 158.0 | 80.2  | 240.6 |
| 158      | 96.9  | 48.4  | 145.0 |

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#78

n-propylbenzene

Concen: 20.756 ug/l

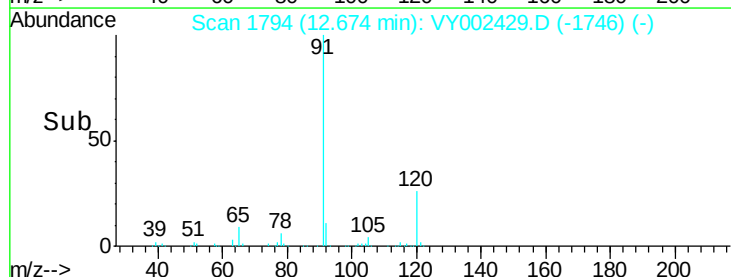
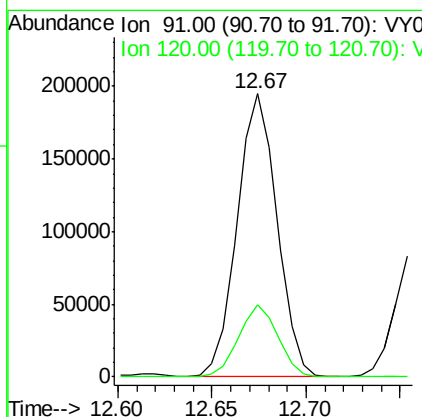
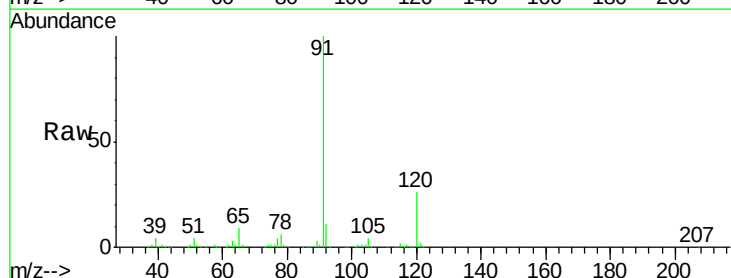
RT: 12.67 min Scan# 1794

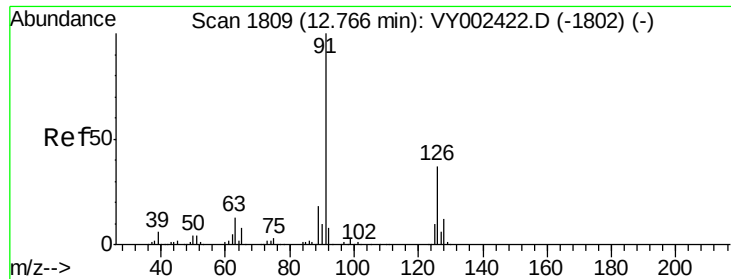
Delta R.T. -0.01 min

Lab File: VY002429.D

Acq: 21 Apr 2020 13:50

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 91    | Resp: | 285639 |
| Ion      | Ratio | Lower | Upper  |
| 91       | 100   |       |        |
| 120      | 25.2  | 12.3  | 36.9   |





#79

2-Chlorotoluene

Concen: 20.652 ug/l

RT: 12.76 min Scan# 1808

Delta R.T. -0.01 min

Lab File: VY002429.D

Acq: 21 Apr 2020 13:50

Instrument :

MSVOA\_Y

ClientSampleId :

VY0421SBS01

Tot Ion: 91 Resp: 155171

Ion Ratio Lower Upper

91 100

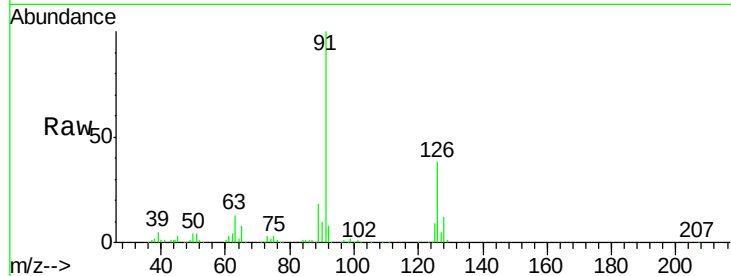
126 38.2 18.8 56.4

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Abundance Ion 91.00 (90.70 to 91.70): VY002422.D (-1802) (-)

Ion 125.90 (125.60 to 126.60): VY002422.D (-1802) (-)

150000

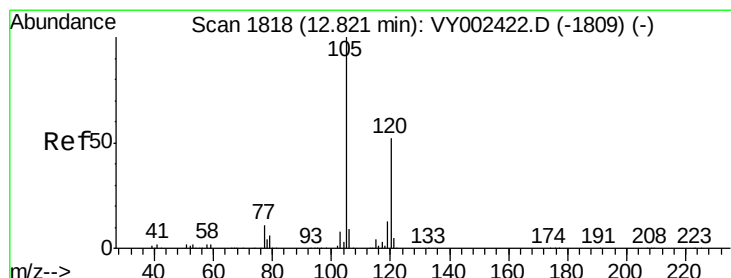
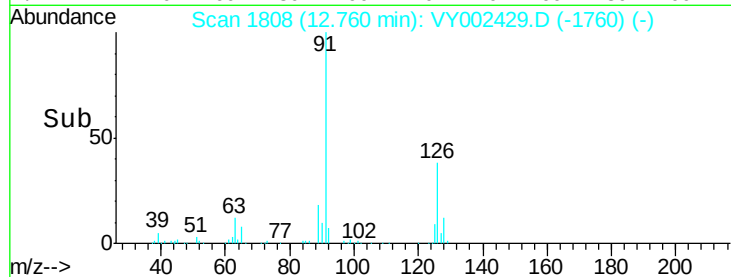
100000

50000

0

12.70 12.75 12.80

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 20.700 ug/l

RT: 12.81 min Scan# 1817

Delta R.T. -0.01 min

Lab File: VY002429.D

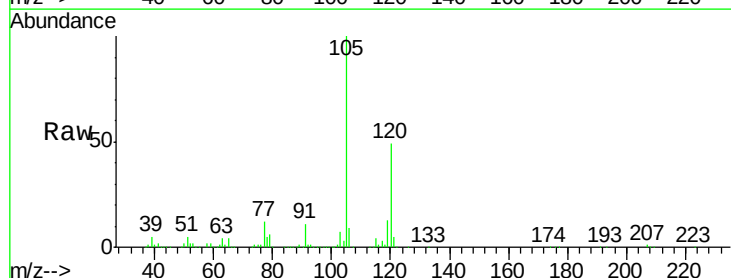
Acq: 21 Apr 2020 13:50

Tgt Ion: 105 Resp: 198845

Ion Ratio Lower Upper

105 100

120 51.5 25.9 77.6



Abundance Ion 105.00 (104.70 to 105.70): VY002422.D (-1809) (-)

Ion 120.00 (119.70 to 120.70): VY002422.D (-1809) (-)

150000

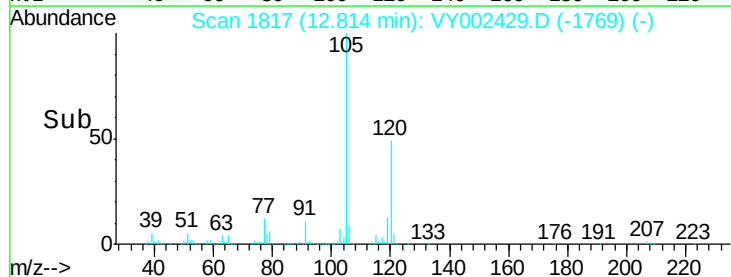
100000

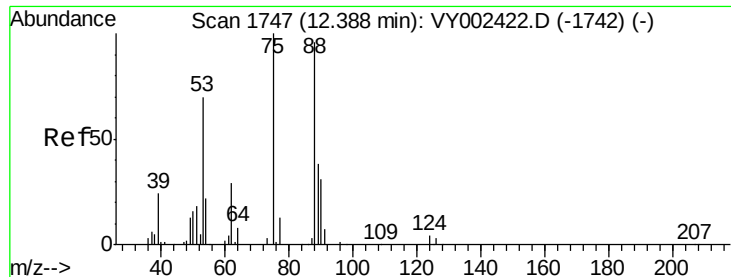
50000

0

12.80 12.81 12.90

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 21.165 ug/l

RT: 12.38 min Scan# 1746

Delta R.T. -0.01 min

Lab File: VY002429.D

Acq: 21 Apr 2020 13:50

Instrument :

MSVOA\_Y

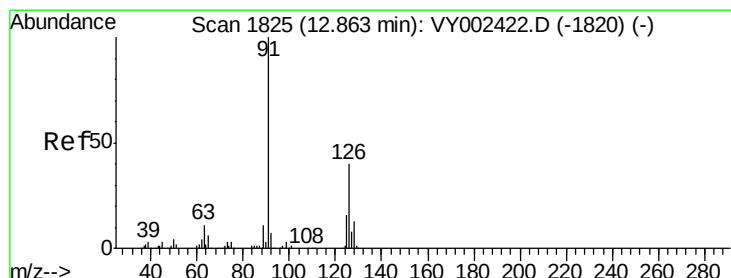
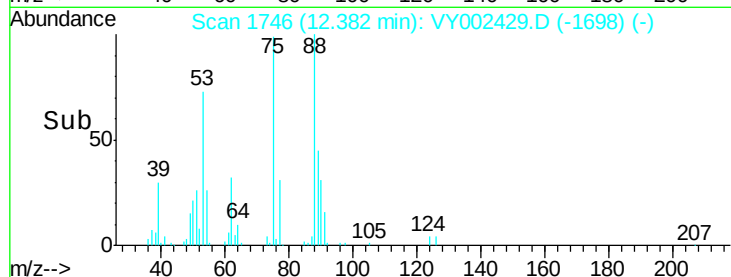
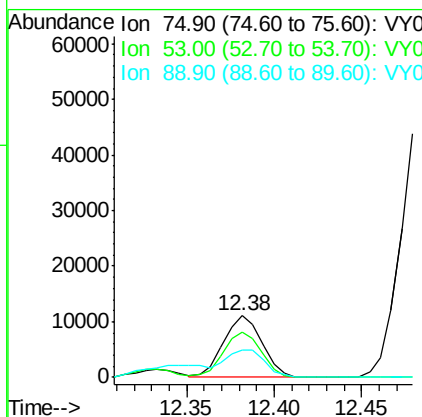
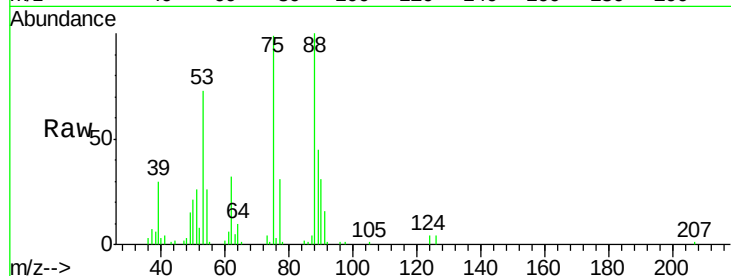
ClientSampleId :

VY0421SBS01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 75    | Resp: | 16984 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 53       | 72.6  | 58.7  | 88.1  |
| 89       | 45.7  | 37.9  | 56.9  |

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#82

4-Chlorotoluene

Concen: 20.594 ug/l

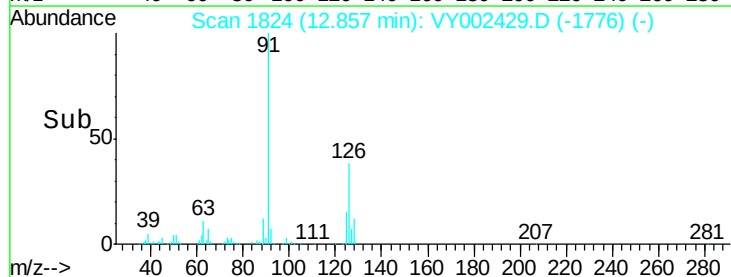
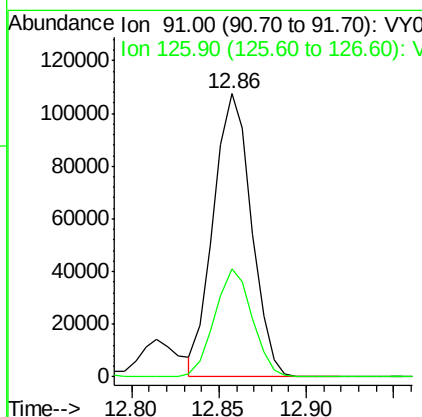
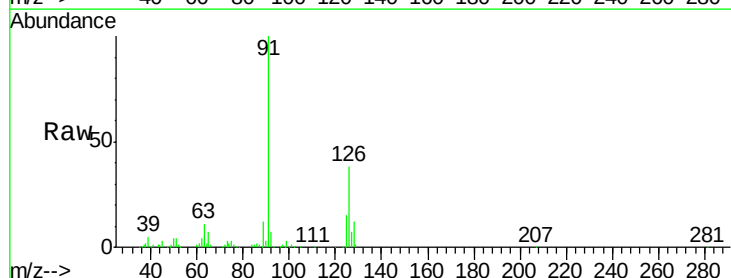
RT: 12.86 min Scan# 1824

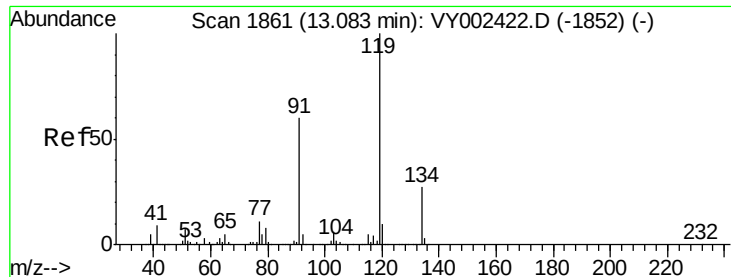
Delta R.T. -0.01 min

Lab File: VY002429.D

Acq: 21 Apr 2020 13:50

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 91    | Resp: | 162641 |
| Ion      | Ratio | Lower | Upper  |
| 91       | 100   |       |        |
| 126      | 38.0  | 0.0   | 0.0#   |





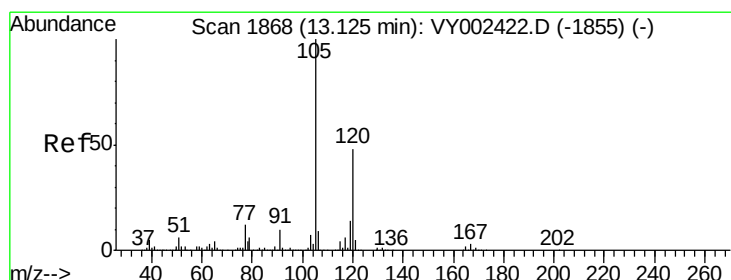
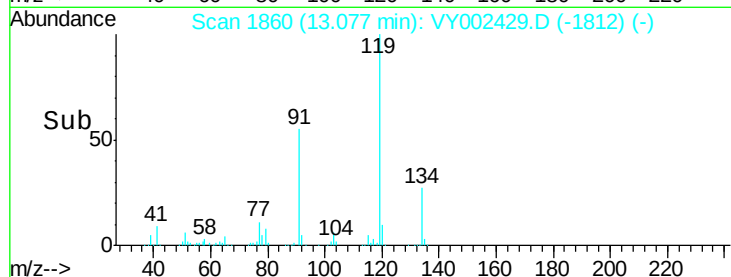
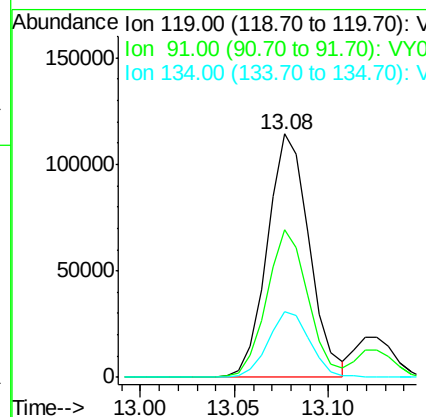
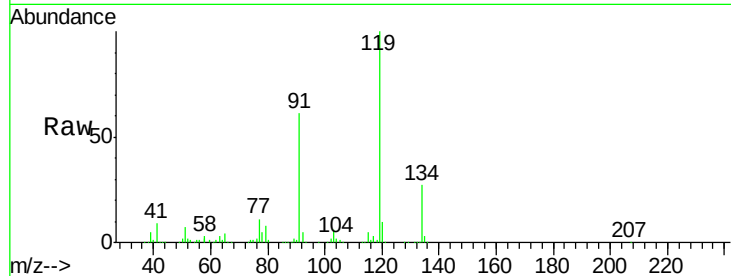
#83  
 tert-Butylbenzene  
 Concen: 21.126 ug/l  
 RT: 13.08 min Scan# 1860  
 Delta R.T. -0.01 min  
 Lab File: VY002429.D  
 Acq: 21 Apr 2020 13:50

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0421SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 91      | 59.7  | 30.2  | 90.6  |
| 134     | 27.1  | 13.3  | 39.9  |

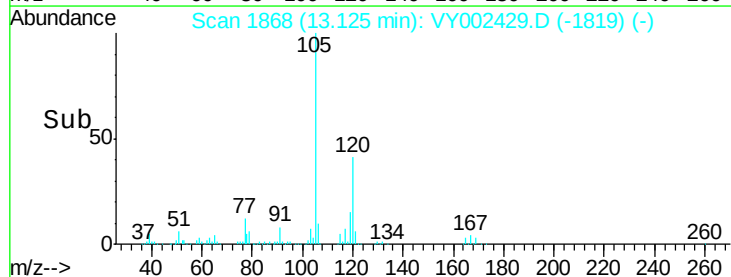
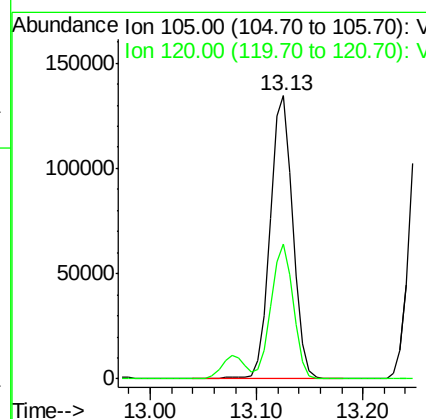
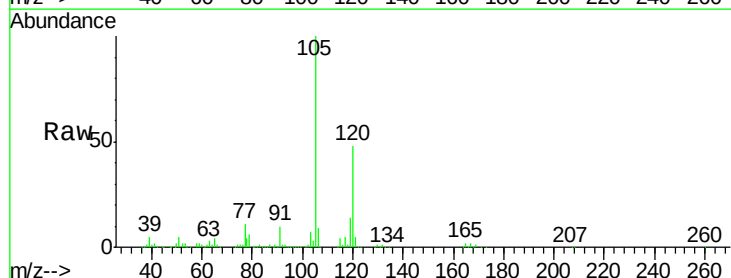
Manual Integrations  
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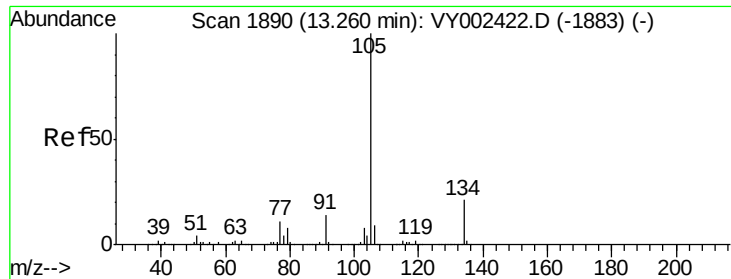
MMDadoda  
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#84  
 1,2,4-Trimethylbenzene  
 Concen: 20.872 ug/l  
 RT: 13.13 min Scan# 1868  
 Delta R.T. -0.00 min  
 Lab File: VY002429.D  
 Acq: 21 Apr 2020 13:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 47.1  | 23.9  | 71.7  |





#85

sec-Butylbenzene

Concen: 20.156 ug/l

RT: 13.25 min Scan# 1889

Delta R.T. -0.01 min

Lab File: VY002429.D

Acq: 21 Apr 2020 13:50

Instrument :

MSVOA\_Y

ClientSampleId :

VY0421SBS01

Tot Ion:105 Resp: 239181

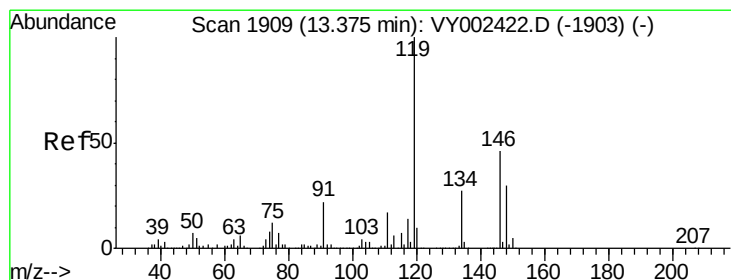
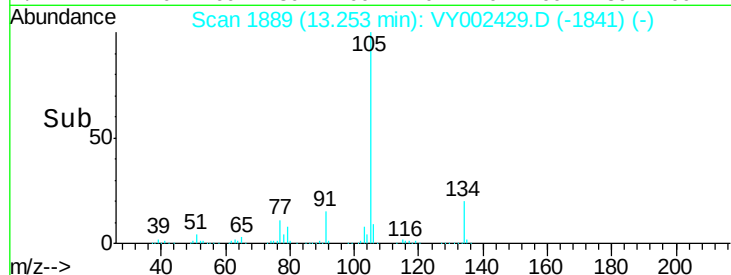
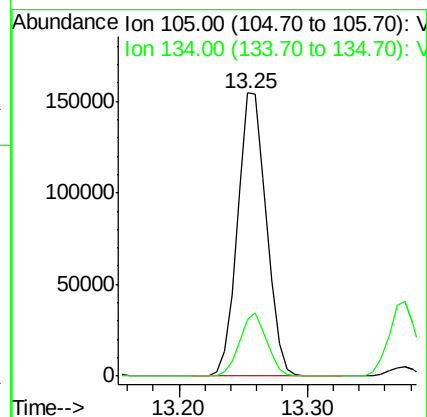
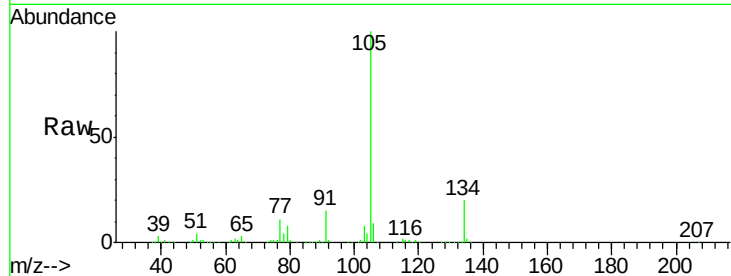
Ion Ratio Lower Upper

105 100

134 21.1 10.5 31.6

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4/22/2020 11:44:25 AM



#86

p-Isopropyltoluene

Concen: 20.185 ug/l

RT: 13.38 min Scan# 1909

Delta R.T. -0.00 min

Lab File: VY002429.D

Acq: 21 Apr 2020 13:50

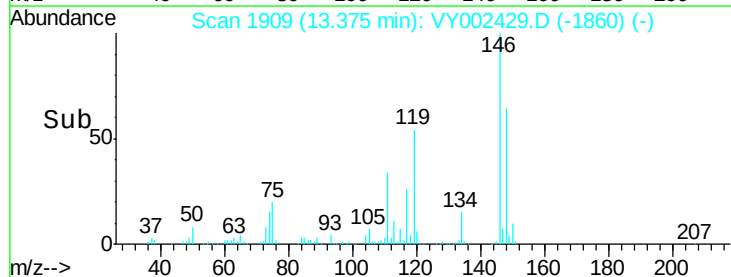
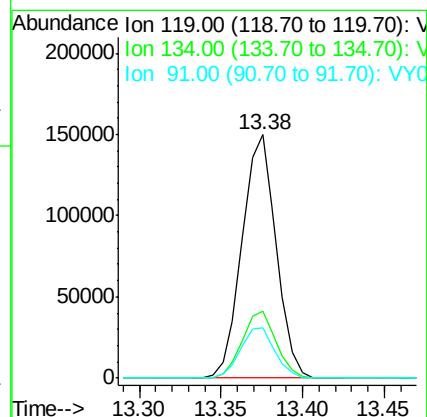
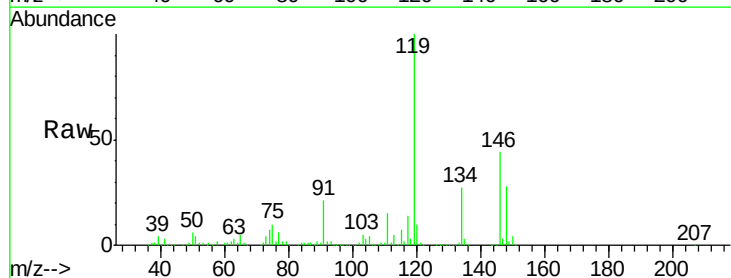
Tgt Ion:119 Resp: 217241

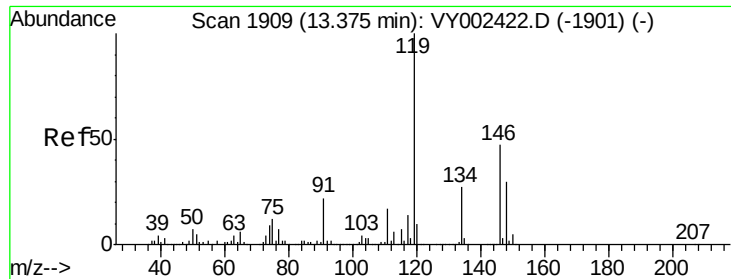
Ion Ratio Lower Upper

119 100

134 27.6 13.7 41.1

91 21.1 10.7 32.1





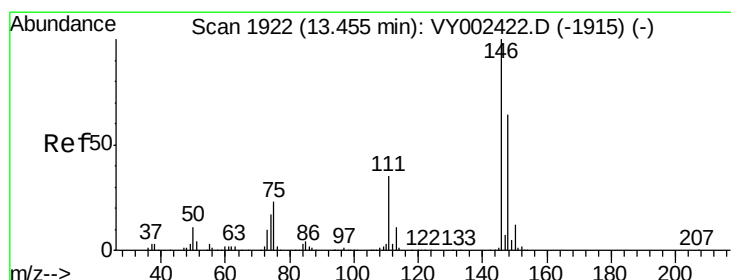
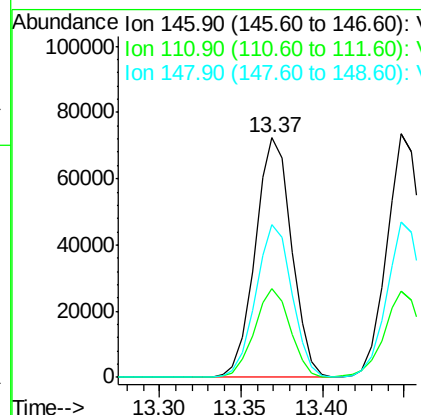
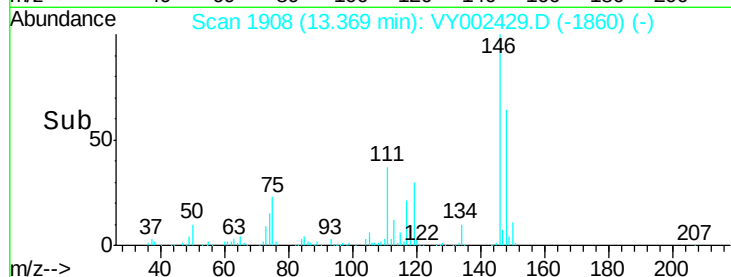
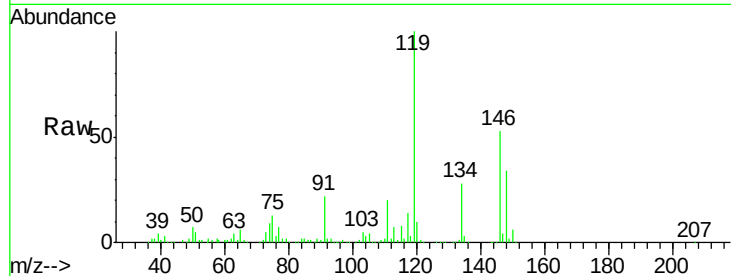
#87  
 1,3-Dichlorobenzene  
 Concen: 20.559 ug/l  
 RT: 13.37 min Scan# 1908  
 Delta R.T. -0.01 min  
 Lab File: VY002429.D  
 Acq: 21 Apr 2020 13:50

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0421SBS01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 146     | 100   | 112245 |       |       |
| 111     | 36.3  | 18.6   | 55.8  |       |
| 148     | 63.4  | 31.8   | 95.3  |       |

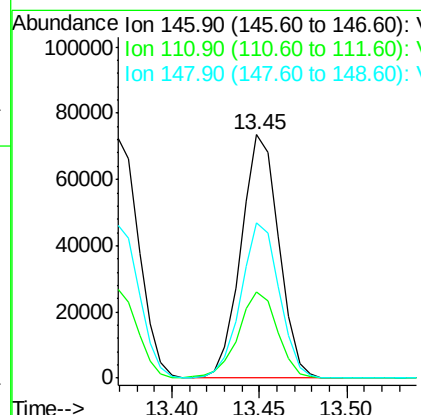
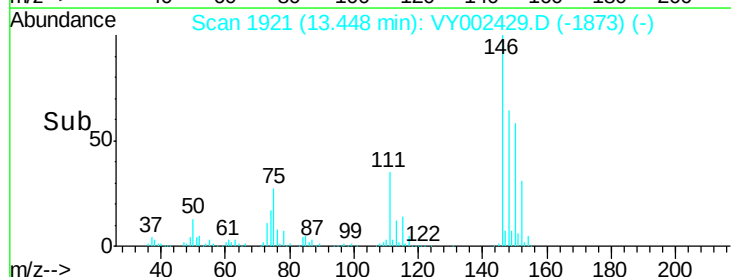
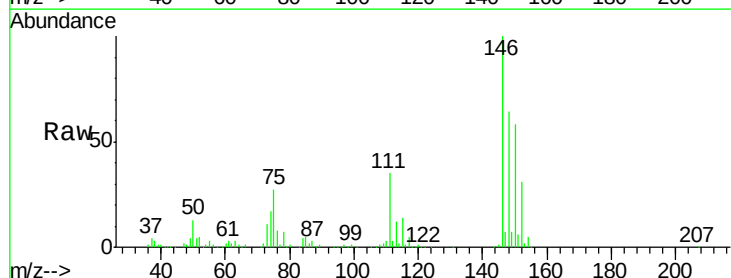
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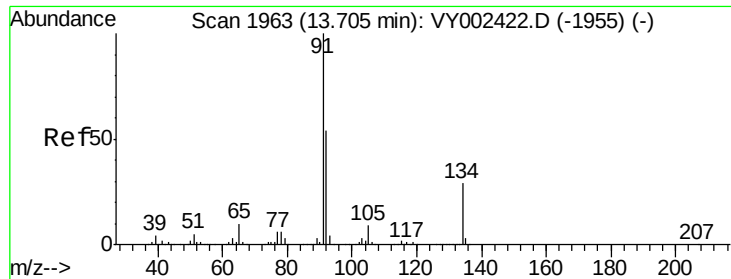


#88  
 1,4-Dichlorobenzene  
 Concen: 20.012 ug/l  
 RT: 13.45 min Scan# 1921  
 Delta R.T. -0.01 min  
 Lab File: VY002429.D  
 Acq: 21 Apr 2020 13:50

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 146     | 100   | 110583 |       |       |
| 111     | 36.9  | 17.9   | 53.8  |       |
| 148     | 64.5  | 32.1   | 96.3  |       |







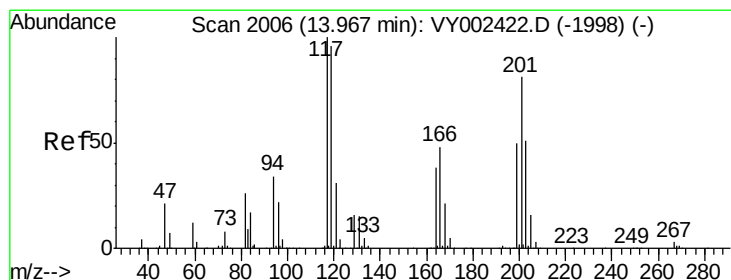
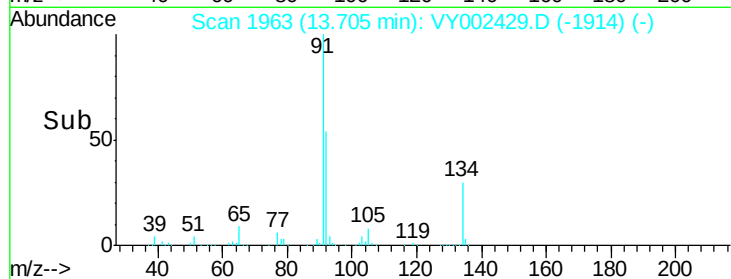
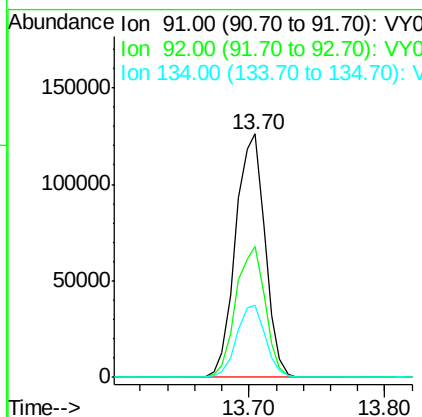
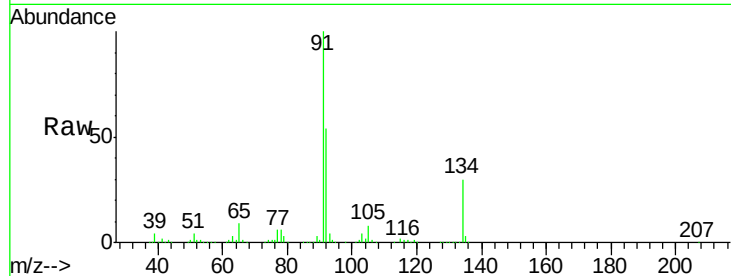
#89  
n-Butylbenzene  
Concen: 18.926 ug/l  
RT: 13.70 min Scan# 1963  
Delta R.T. -0.00 min  
Lab File: VY002429.D  
Acq: 21 Apr 2020 13:50

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0421SBS01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 91      | 100   | 189911 |       |       |
| 92      | 53.2  | 26.8   | 80.4  |       |
| 134     | 28.8  | 14.4   | 43.2  |       |

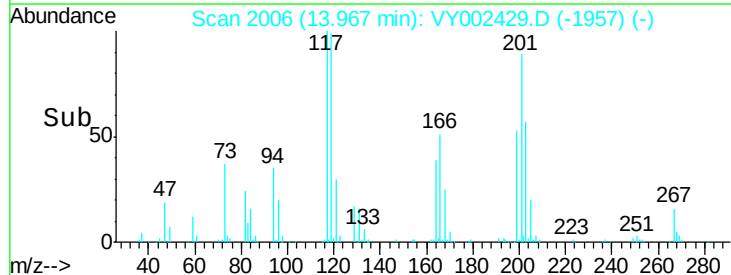
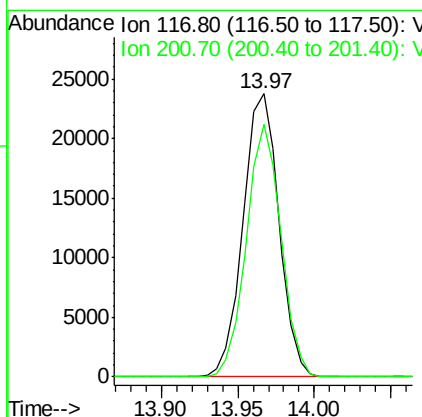
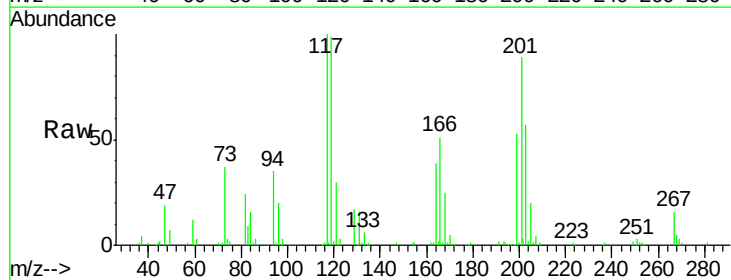
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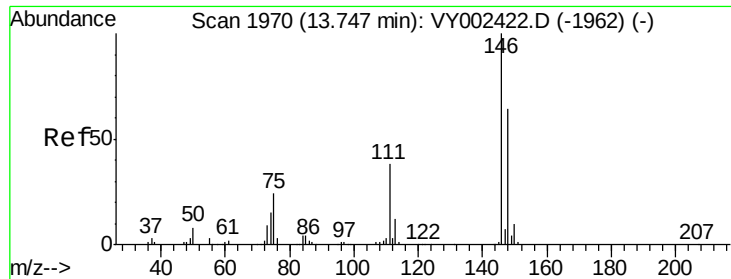
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#90  
Hexachloroethane  
Concen: 19.232 ug/l  
RT: 13.97 min Scan# 2006  
Delta R.T. -0.00 min  
Lab File: VY002429.D  
Acq: 21 Apr 2020 13:50

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 117     | 100   | 38806 |       |       |
| 201     | 85.8  | 42.5  | 127.5 |       |





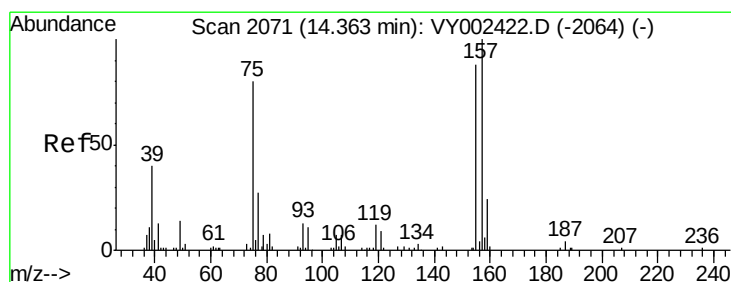
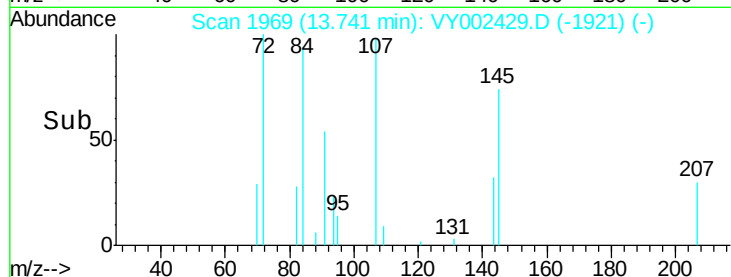
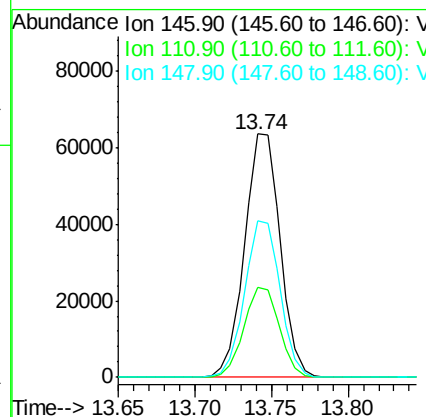
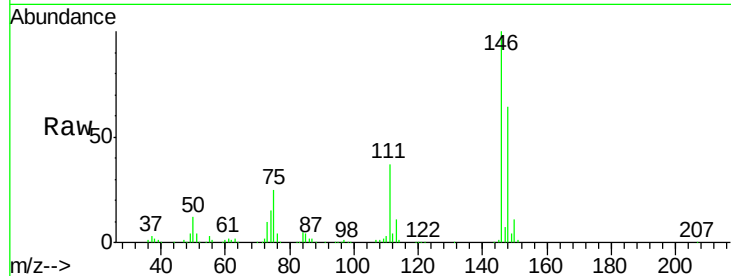
#91  
 1,2-Dichlorobenzene  
 Concen: 20.503 ug/l  
 RT: 13.74 min Scan# 1969  
 Delta R.T. -0.01 min  
 Lab File: VY002429.D  
 Acq: 21 Apr 2020 13:50

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0421SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 37.0  | 18.9  | 56.5  |
| 148     | 64.0  | 31.9  | 95.5  |

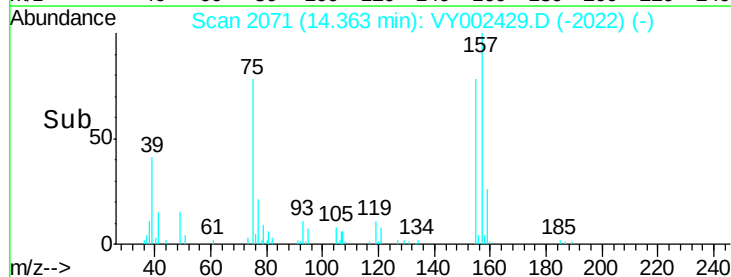
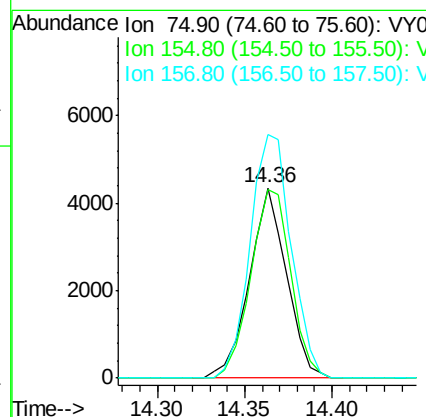
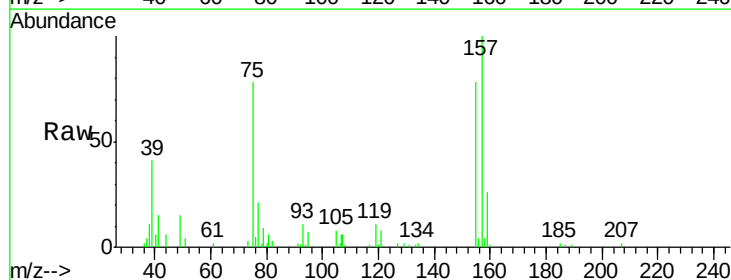
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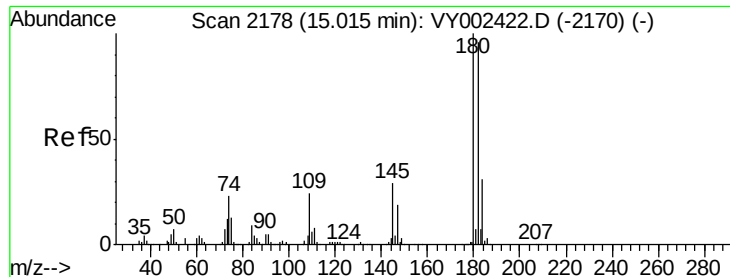
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#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 19.560 ug/l  
 RT: 14.36 min Scan# 2071  
 Delta R.T. -0.00 min  
 Lab File: VY002429.D  
 Acq: 21 Apr 2020 13:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 106.7 | 56.1  | 168.3 |
| 157     | 141.8 | 71.5  | 214.5 |





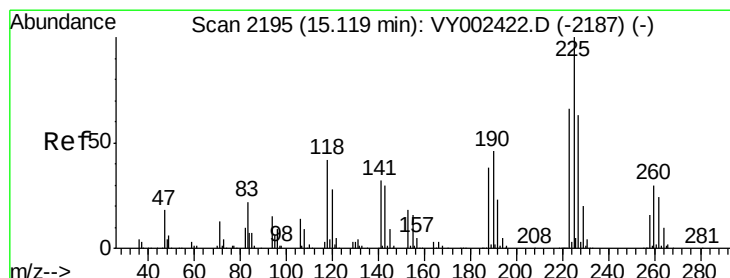
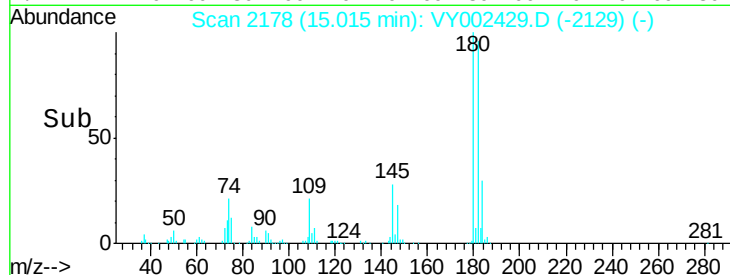
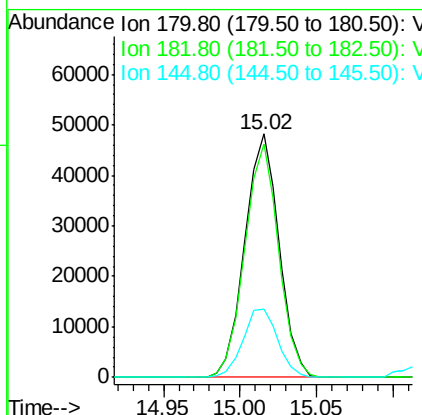
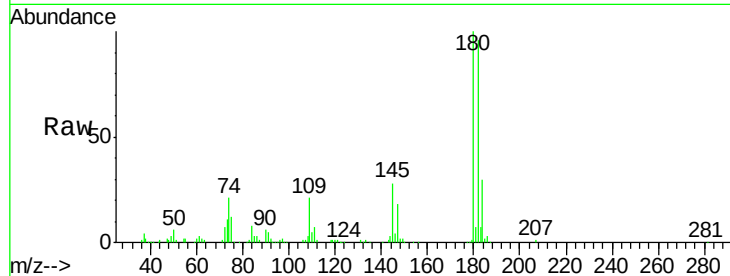
#93  
 1,2,4-Trichlorobenzene  
 Concen: 20.938 ug/l  
 RT: 15.02 min Scan# 2178  
 Delta R.T. -0.00 min  
 Lab File: VY002429.D  
 Acq: 21 Apr 2020 13:50

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0421SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 94.7  | 47.8  | 143.3 |
| 145     | 28.7  | 14.5  | 43.6  |

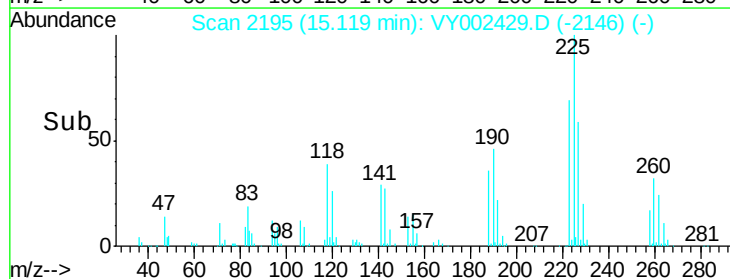
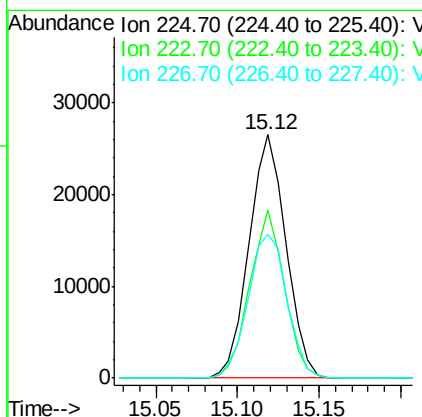
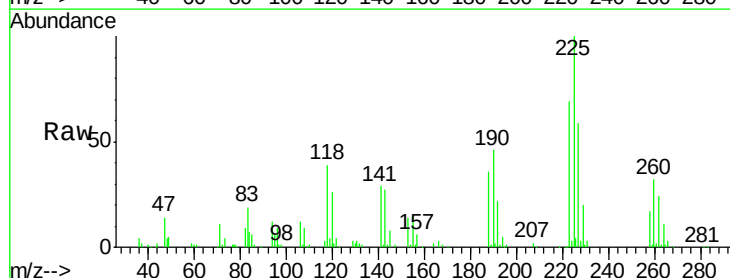
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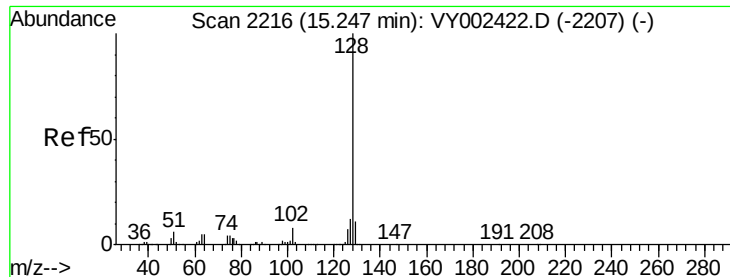
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#94  
 Hexachlorobutadiene  
 Concen: 21.335 ug/l  
 RT: 15.12 min Scan# 2195  
 Delta R.T. -0.00 min  
 Lab File: VY002429.D  
 Acq: 21 Apr 2020 13:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 64.8  | 32.0  | 96.0  |
| 227     | 62.5  | 31.6  | 95.0  |





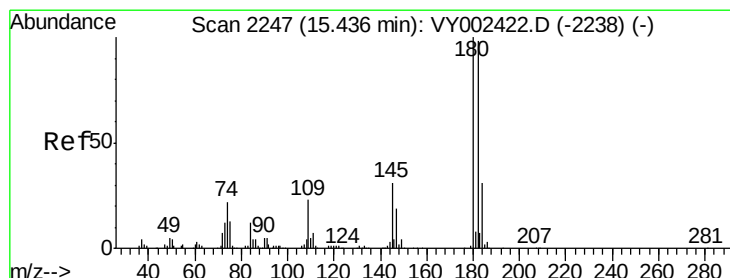
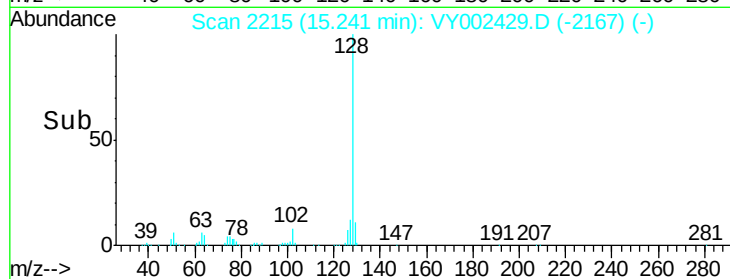
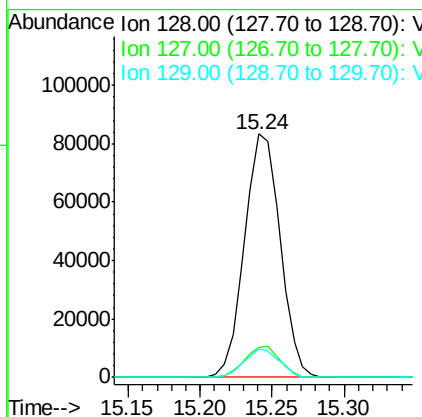
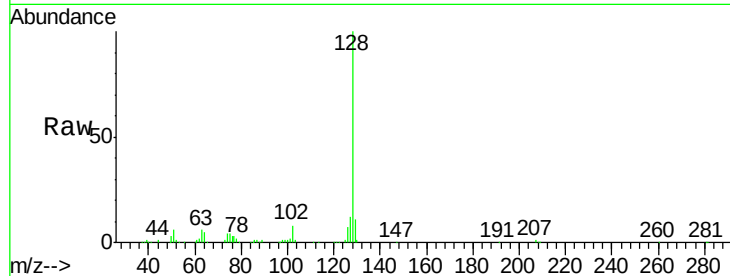
#95  
Naphthalene  
Concen: 20.548 ug/l  
RT: 15.24 min Scan# 2215  
Delta R.T. -0.01 min  
Lab File: VY002429.D  
Acq: 21 Apr 2020 13:50

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0421SBS01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 128     | 100   | 142595 |       |       |
| 127     | 12.7  | 10.2   | 15.2  |       |
| 129     | 11.2  | 9.0    | 13.6  |       |

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#96  
1,2,3-Trichlorobenzene  
Concen: 20.480 ug/l  
RT: 15.43 min Scan# 2246  
Delta R.T. -0.01 min  
Lab File: VY002429.D  
Acq: 21 Apr 2020 13:50

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 180     | 100   | 63645 |       |       |
| 182     | 94.6  | 47.2  | 141.6 |       |
| 145     | 30.6  | 14.8  | 44.4  |       |

