

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY021720\  
 Data File : VY001635.D  
 Acq On : 17 Feb 2020 10:03  
 Operator : SY/MD  
 Sample : VSTDIC005  
 Misc : 5.00G/5ML/MSVOA Y/SOIL  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDIC005

Manual Integrations  
 APPROVED

MMDadoda  
 2/19/2020 10:49:43 AM

Quant Time: Feb 17 12:23:10 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y021720S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Feb 17 11:55:18 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.81  | 168  | 200999   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.71  | 114  | 352484   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.50 | 117  | 314032   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.44 | 152  | 145413   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |      |        |      |
|---------------------------|--------|-----|----------|------|--------|------|
| 33) 1,2-Dichloroethane-d4 | 8.17   | 65  | 11547    | 5.64 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =    | 11.28% |      |
| 35) Dibromofluoromethane  | 7.74   | 113 | 10560    | 5.22 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =    | 10.44% |      |
| 50) Toluene-d8            | 10.19  | 98  | 43919    | 5.70 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =    | 11.40% |      |
| 62) 4-Bromofluorobenzene  | 12.49  | 95  | 15979    | 5.26 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =    | 10.52% |      |

## Target Compounds

|                               |      |     |        |        |        | Qvalue |
|-------------------------------|------|-----|--------|--------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.91 | 85  | 9059   | 4.574  | ug/l   | 98     |
| 3) Chloromethane              | 2.13 | 50  | 14144  | 6.548  | ug/l   | 91     |
| 4) Vinyl Chloride             | 2.26 | 62  | 13248  | 5.951  | ug/l   | 95     |
| 5) Bromomethane               | 2.66 | 94  | 9375   | 6.722  | ug/l   | 99     |
| 6) Chloroethane               | 2.81 | 64  | 8198   | 6.107  | ug/l   | 96     |
| 7) Trichlorofluoromethane     | 3.15 | 101 | 17032  | 4.854  | ug/l   | 93     |
| 8) Diethyl Ether              | 3.55 | 74  | 7141   | 5.866  | ug/l   | 92     |
| 9) 1,1,2-Trichlorotrifluoroet | 3.93 | 101 | 10862  | 5.111  | ug/l   | 98     |
| 10) Methyl Iodide             | 4.12 | 142 | 11040  | 4.084  | ug/l   | 97     |
| 11) Tert butyl alcohol        | 4.98 | 59  | 10644  | 33.548 | ug/l # | 85     |
| 12) 1,1-Dichloroethene        | 3.90 | 96  | 10821  | 5.115  | ug/l # | 80     |
| 13) Acrolein                  | 3.75 | 56  | 5680   | 28.981 | ug/l   | 98     |
| 14) Allyl chloride            | 4.51 | 41  | 18362  | 5.493  | ug/l   | 95     |
| 15) Acrylonitrile             | 5.20 | 53  | 16299  | 28.319 | ug/l   | 96     |
| 16) Acetone                   | 3.98 | 43  | 17052  | 26.915 | ug/l   | 92     |
| 17) Carbon Disulfide          | 4.22 | 76  | 35696  | 5.246  | ug/l   | 100    |
| 18) Methyl Acetate            | 4.50 | 43  | 8818   | 6.659  | ug/l   | 98     |
| 19) Methyl tert-butyl Ether   | 5.26 | 73  | 30067  | 5.264  | ug/l   | 97     |
| 20) Methylene Chloride        | 4.75 | 84  | 16259  | 6.163  | ug/l # | 89     |
| 21) trans-1,2-Dichloroethene  | 5.25 | 96  | 12422  | 5.250  | ug/l   | 95     |
| 22) Diisopropyl ether         | 6.14 | 45  | 38746  | 5.815  | ug/l   | 98     |
| 23) Vinyl Acetate             | 6.10 | 43  | 121052 | 28.213 | ug/l   | 97     |
| 24) 1,1-Dichloroethane        | 6.05 | 63  | 20891  | 5.332  | ug/l   | 98     |
| 25) 2-Butanone                | 7.02 | 43  | 23422  | 28.471 | ug/l   | 98     |
| 26) 2,2-Dichloropropane       | 7.01 | 77  | 19404  | 5.258  | ug/l   | 98     |
| 27) cis-1,2-Dichloroethene    | 7.02 | 96  | 13787  | 5.323  | ug/l   | 99     |
| 28) Bromochloromethane        | 7.36 | 49  | 7646   | 5.530  | ug/l   | 96     |
| 29) Tetrahydrofuran           | 7.38 | 42  | 14953  | 30.622 | ug/l   | 99     |
| 30) Chloroform                | 7.54 | 83  | 21502  | 5.473  | ug/l   | 95     |
| 31) Cyclohexane               | 7.81 | 56  | 25181  | 6.257  | ug/l # | 78     |
| 32) 1,1,1-Trichloroethane     | 7.72 | 97  | 16958  | 4.816  | ug/l   | 97     |
| 36) 1,1-Dichloropropene       | 7.94 | 75  | 17030  | 5.254  | ug/l   | 97     |
| 37) Ethyl Acetate             | 7.11 | 43  | 10224  | 6.203  | ug/l # | 93     |
| 38) Carbon Tetrachloride      | 7.92 | 117 | 14808  | 4.797  | ug/l   | 86     |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY021720\  
 Data File : VY001635.D  
 Acq On : 17 Feb 2020 10:03  
 Operator : SY/MD  
 Sample : VSTDIC005  
 Misc : 5.00G/5ML/MSVOA Y/SOIL  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDIC005

Manual Integrations  
 APPROVED

MMDadoda  
 2/19/2020 10:49:43 AM

Quant Time: Feb 17 12:23:10 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y021720S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Feb 17 11:55:18 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 9.20  | 83   | 22615    | 5.306   | ug/l # | 93       |
| 40) Benzene                    | 8.18  | 78   | 49703    | 5.347   | ug/l   | 98       |
| 41) Methacrylonitrile          | 7.33  | 41   | 4414m    | 5.981   | ug/l   |          |
| 42) 1,2-Dichloroethane         | 8.26  | 62   | 13397    | 5.165   | ug/l   | 100      |
| 43) Isopropyl Acetate          | 8.30  | 43   | 17815    | 5.479   | ug/l   | 98       |
| 44) Trichloroethene            | 8.96  | 130  | 12705    | 5.135   | ug/l   | 99       |
| 45) 1,2-Dichloropropane        | 9.24  | 63   | 12306    | 5.442   | ug/l   | 100      |
| 46) Dibromomethane             | 9.32  | 93   | 6475     | 5.142   | ug/l   | 98       |
| 47) Bromodichloromethane       | 9.51  | 83   | 15712    | 5.145   | ug/l   | 97       |
| 48) Methyl methacrylate        | 9.31  | 41   | 8419     | 5.718   | ug/l   | 98       |
| 49) 1,4-Dioxane                | 9.31  | 88   | 1847     | 108.909 | ug/l   | 89       |
| 51) 4-Methyl-2-Pentanone       | 10.08 | 43   | 47237    | 29.168  | ug/l   | 98       |
| 52) Toluene                    | 10.25 | 92   | 30403    | 5.154   | ug/l   | 99       |
| 53) t-1,3-Dichloropropene      | 10.48 | 75   | 16208    | 4.828   | ug/l   | 95       |
| 54) cis-1,3-Dichloropropene    | 9.94  | 75   | 19318    | 5.041   | ug/l   | 97       |
| 55) 1,1,2-Trichloroethane      | 10.66 | 97   | 9062     | 4.983   | ug/l   | 94       |
| 56) Ethyl methacrylate         | 10.52 | 69   | 13191    | 5.031   | ug/l   | 97       |
| 57) 1,3-Dichloropropane        | 10.80 | 76   | 16639    | 5.173   | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether  | 9.80  | 63   | 30408    | 32.072  | ug/l   | 100      |
| 59) 2-Hexanone                 | 10.84 | 43   | 33272    | 27.834  | ug/l   | 100      |
| 60) Dibromochloromethane       | 11.00 | 129  | 9988     | 4.712   | ug/l   | 95       |
| 61) 1,2-Dibromoethane          | 11.10 | 107  | 8549     | 4.800   | ug/l   | 99       |
| 64) Tetrachloroethene          | 10.73 | 164  | 10345    | 5.085   | ug/l   | 94       |
| 65) Chlorobenzene              | 11.53 | 112  | 31605    | 5.134   | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.60 | 131  | 10453    | 4.870   | ug/l   | 99       |
| 67) Ethyl Benzene              | 11.60 | 91   | 58578    | 5.134   | ug/l   | 100      |
| 68) m/p-Xylenes                | 11.71 | 106  | 43275    | 10.098  | ug/l   | 99       |
| 69) o-Xylene                   | 12.04 | 106  | 20849    | 5.155   | ug/l   | 98       |
| 70) Styrene                    | 12.05 | 104  | 35205    | 5.021   | ug/l   | 99       |
| 71) Bromoform                  | 12.22 | 173  | 5590     | 4.621   | ug/l # | 95       |
| 73) Isopropylbenzene           | 12.34 | 105  | 55511    | 5.033   | ug/l   | 99       |
| 74) N-amyl acetate             | 12.16 | 43   | 17090    | 5.672   | ug/l   | 96       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.59 | 83   | 11287    | 5.210   | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane     | 12.64 | 75   | 9526m    | 6.112   | ug/l   |          |
| 77) Bromobenzene               | 12.62 | 156  | 12306    | 5.157   | ug/l   | 95       |
| 78) n-propylbenzene            | 12.68 | 91   | 66288    | 4.990   | ug/l   | 99       |
| 79) 2-Chlorotoluene            | 12.77 | 91   | 37522    | 4.978   | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene     | 12.82 | 105  | 45672    | 4.915   | ug/l   | 98       |
| 81) trans-1,4-Dichloro-2-buten | 12.39 | 75   | 3923     | 4.713   | ug/l   | 90       |
| 82) 4-Chlorotoluene            | 12.86 | 91   | 39705    | 4.996   | ug/l   | 98       |
| 83) tert-Butylbenzene          | 13.08 | 119  | 37752    | 4.819   | ug/l   | 97       |
| 84) 1,2,4-Trimethylbenzene     | 13.13 | 105  | 46872    | 5.090   | ug/l   | 99       |
| 85) sec-Butylbenzene           | 13.27 | 105  | 57392    | 5.178   | ug/l   | 99       |
| 86) p-Isopropyltoluene         | 13.38 | 119  | 49073    | 5.028   | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene        | 13.37 | 146  | 24276    | 5.273   | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 13.45 | 146  | 24609    | 5.338   | ug/l   | 96       |
| 89) n-Butylbenzene             | 13.70 | 91   | 50348    | 5.196   | ug/l   | 99       |
| 90) Hexachloroethane           | 13.97 | 117  | 8982     | 4.803   | ug/l   | 96       |
| 91) 1,2-Dichlorobenzene        | 13.75 | 146  | 22236    | 5.321   | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.37 | 75   | 1901     | 4.831   | ug/l   | 93       |

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY021720\  
Data File : VY001635.D  
Acq On : 17 Feb 2020 10:03  
Operator : SY/MD  
Sample : VSTDICC005  
Misc : 5.00G/5ML/MSVOA Y/SOIL  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDICC005

Manual Integrations  
APPROVED

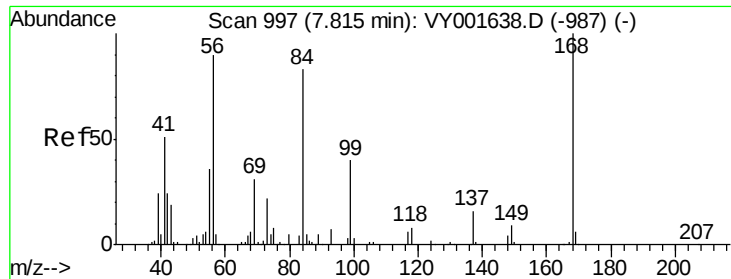
MMDadoda  
2/19/2020 10:49:43 AM

Quant Time: Feb 17 12:23:10 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y021720S.M  
Quant Title : SW846 8260  
QLast Update : Mon Feb 17 11:55:18 2020  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 15.01 | 180  | 15063    | 5.348 | ug/l  | 99       |
| 94) Hexachlorobutadiene    | 15.12 | 225  | 7936     | 5.610 | ug/l  | 96       |
| 95) Naphthalene            | 15.25 | 128  | 32720    | 4.897 | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 15.44 | 180  | 13392    | 5.371 | ug/l  | 99       |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.81 min Scan# 997

Delta R.T. -0.00 min

Lab File: VY001635.D

Acq: 17 Feb 2020 10:03

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDIC005

Tot Ion:168 Resp: 200999

Ion Ratio Lower Upper

168 100

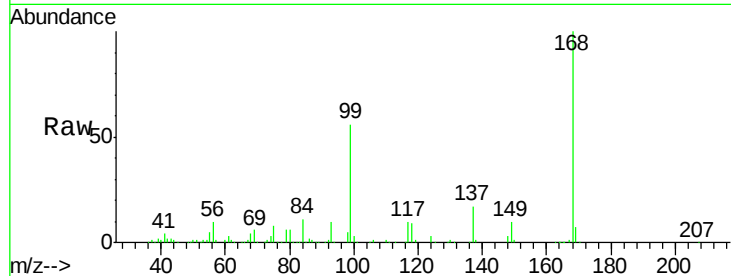
99 56.4 46.6 69.8

Manual Integrations

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2/19/2020 10:49:43 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VY0

7.81

80000

60000

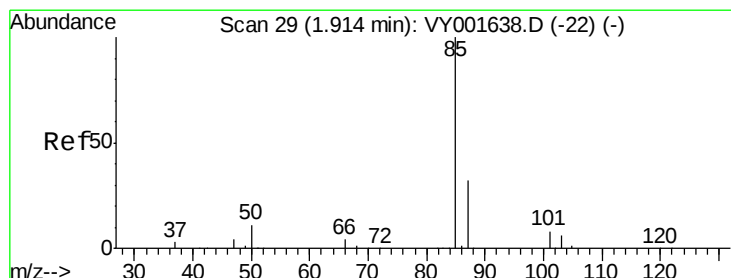
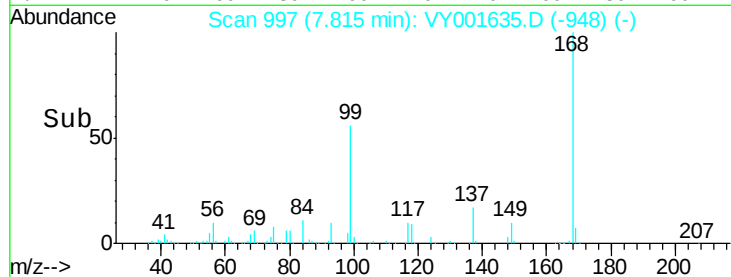
40000

20000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 4.574 ug/l

RT: 1.91 min Scan# 29

Delta R.T. -0.00 min

Lab File: VY001635.D

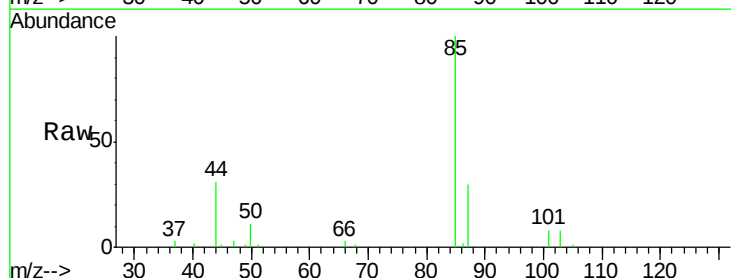
Acq: 17 Feb 2020 10:03

Tgt Ion: 85 Resp: 9059

Ion Ratio Lower Upper

85 100

87 30.4 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VY0

Ion 86.90 (86.60 to 87.60): VY0

1.91

6000

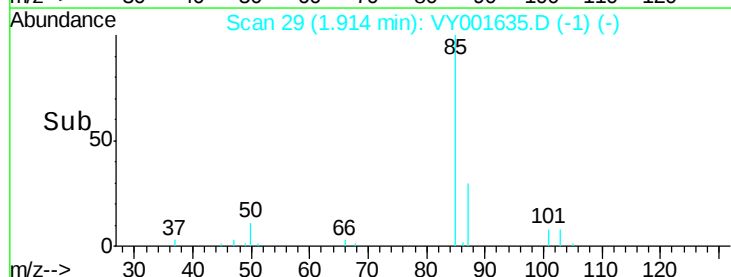
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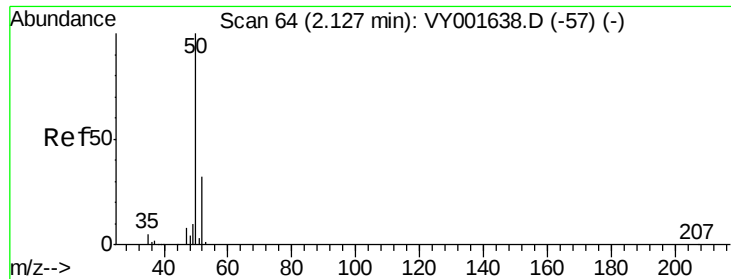
2000

0

1.85 1.90 1.95 2.00

Time-->





#3

Chloromethane

Concen: 6.548 ug/l

RT: 2.13 min Scan# 64

Delta R.T. -0.00 min

Lab File: VY001635.D

Acq: 17 Feb 2020 10:03

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 14144

Ion Ratio Lower Upper

50 100

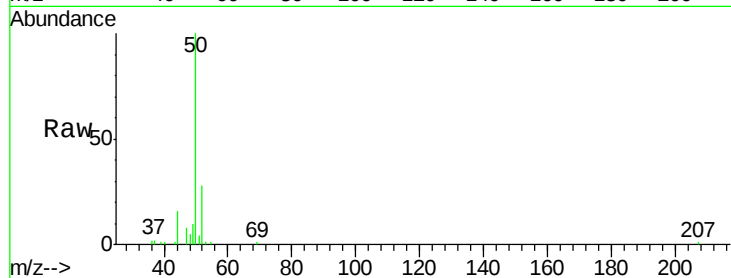
52 27.6 25.9 38.9

Manual Integrations

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2/19/2020 10:49:43 AM



Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0

2.13

10000

8000

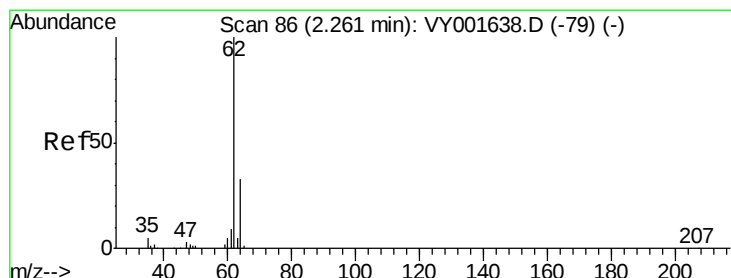
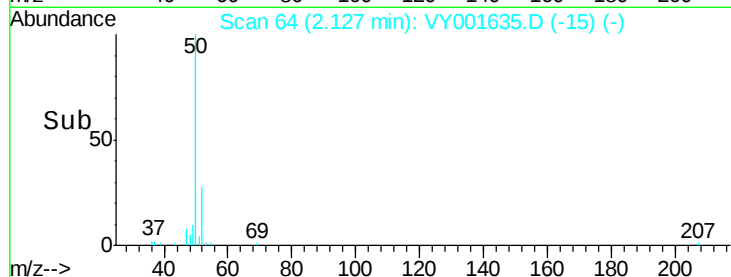
6000

4000

2000

0

Time--> 2.05 2.10 2.15 2.20



#4

Vinyl Chloride

Concen: 5.951 ug/l

RT: 2.26 min Scan# 86

Delta R.T. -0.00 min

Lab File: VY001635.D

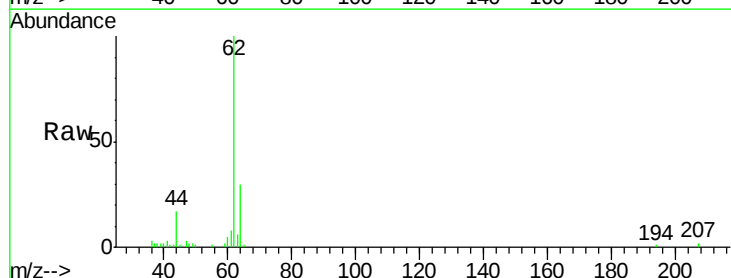
Acq: 17 Feb 2020 10:03

Tgt Ion: 62 Resp: 13248

Ion Ratio Lower Upper

62 100

64 30.1 26.3 39.5



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0

2.26

8000

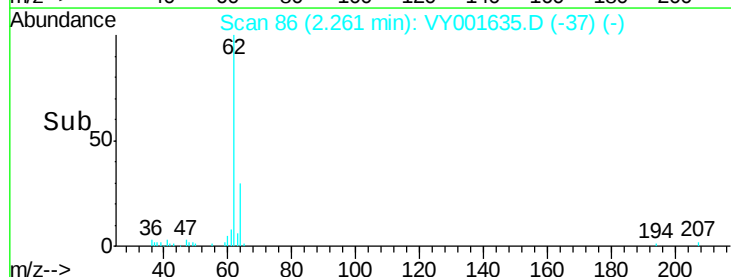
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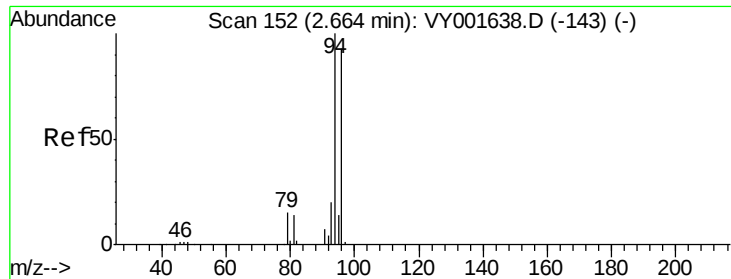
4000

2000

0

Time--> 2.20 2.25 2.30 2.35





#5

Bromomethane

Concen: 6.722 ug/l

RT: 2.66 min Scan# 152

Delta R.T. -0.00 min

Lab File: VY001635.D

Acq: 17 Feb 2020 10:03

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 9375

Ion Ratio Lower Upper

94 100

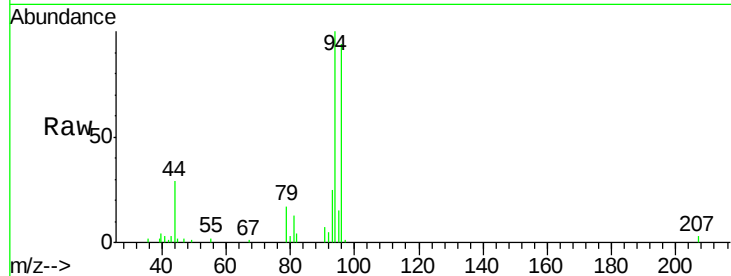
96 93.7 74.1 111.1

Manual Integrations

APPROVED

MMDadoda

2/19/2020 10:49:43 AM



Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0

2.66

4000

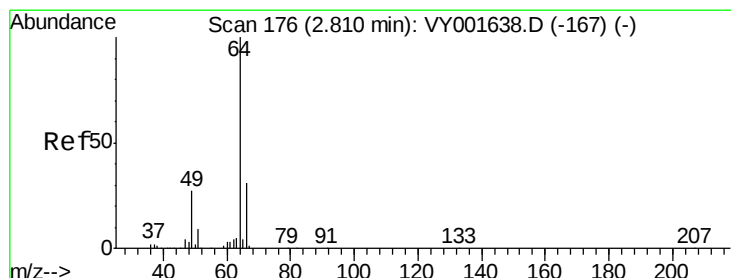
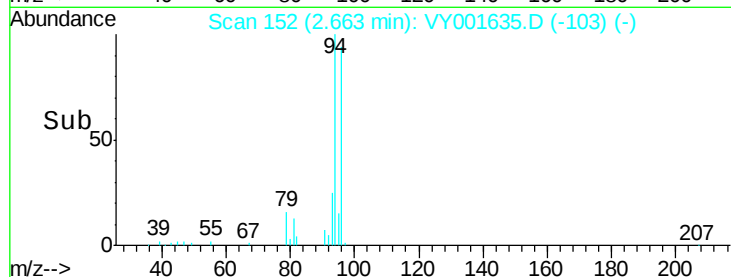
3000

2000

1000

0

Time-->



#6

Chloroethane

Concen: 6.107 ug/l

RT: 2.81 min Scan# 176

Delta R.T. -0.00 min

Lab File: VY001635.D

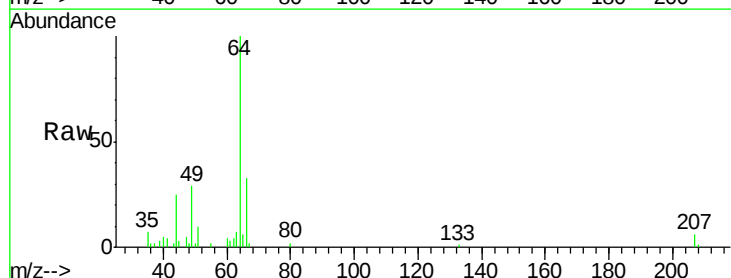
Acq: 17 Feb 2020 10:03

Tgt Ion: 64 Resp: 8198

Ion Ratio Lower Upper

64 100

66 33.1 25.0 37.4



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0

2.81

4000

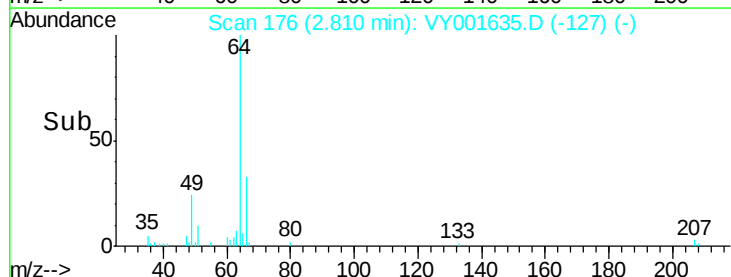
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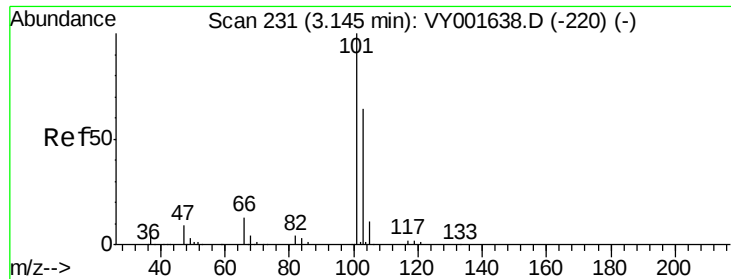
2000

1000

0

Time-->





#7

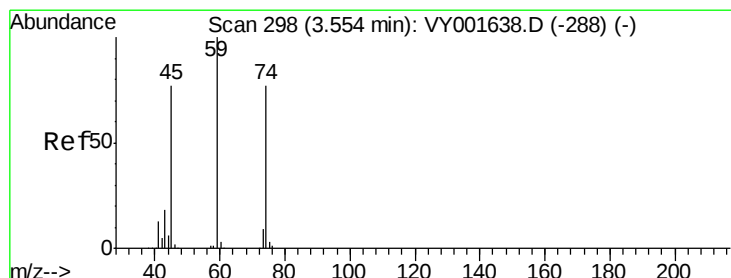
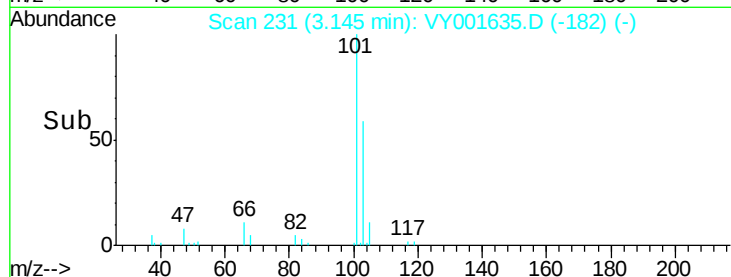
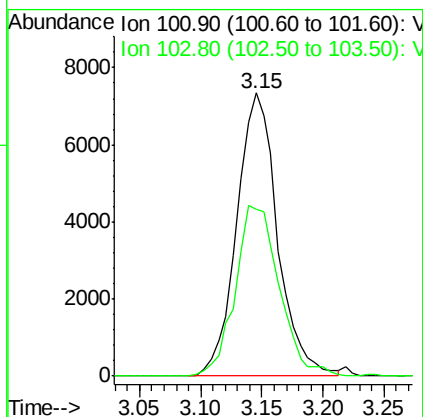
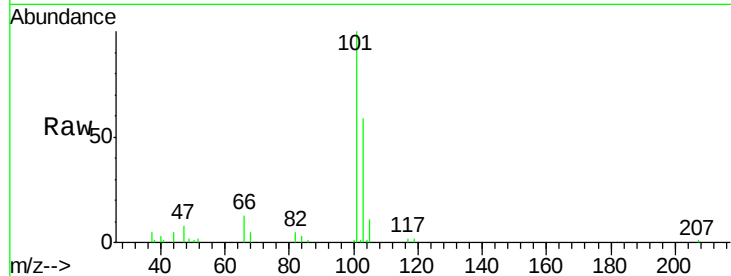
Trichlorofluoromethane  
Concen: 4.854 ug/l  
RT: 3.15 min Scan# 231  
Delta R.T. -0.00 min  
Lab File: VY001635.D  
Acq: 17 Feb 2020 10:03

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC005

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 59.1  | 51.6  | 77.4  |

Manual Integrations  
APPROVED

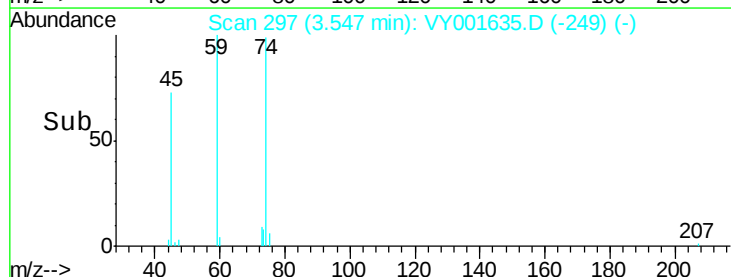
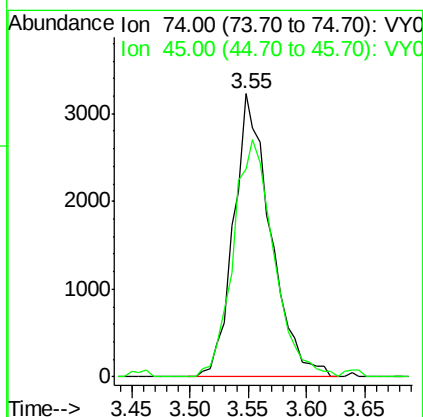
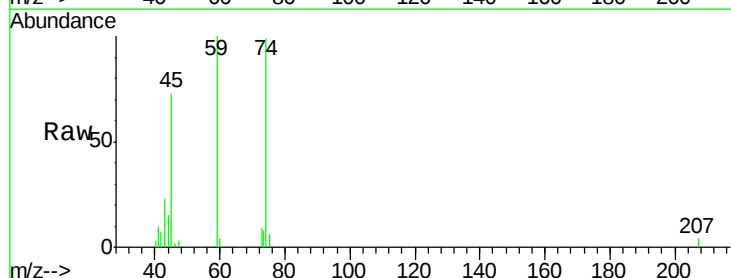
MMDadoda  
2/19/2020 10:49:43 AM

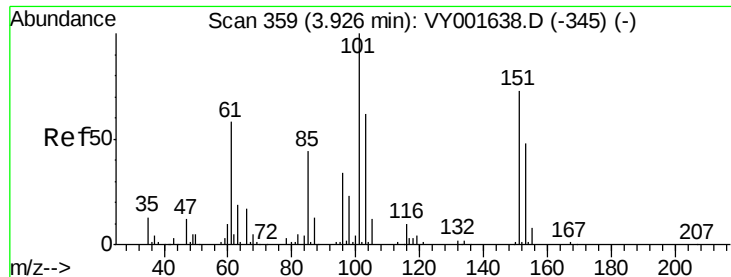


#8

Diethyl Ether  
Concen: 5.866 ug/l  
RT: 3.55 min Scan# 297  
Delta R.T. -0.01 min  
Lab File: VY001635.D  
Acq: 17 Feb 2020 10:03

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 92.2  | 50.0  | 149.8 |





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.111 ug/l

RT: 3.93 min Scan# 359

Delta R.T. -0.00 min

Lab File: VY001635.D

Acq: 17 Feb 2020 10:03

Instrument :

MSVOA\_Y

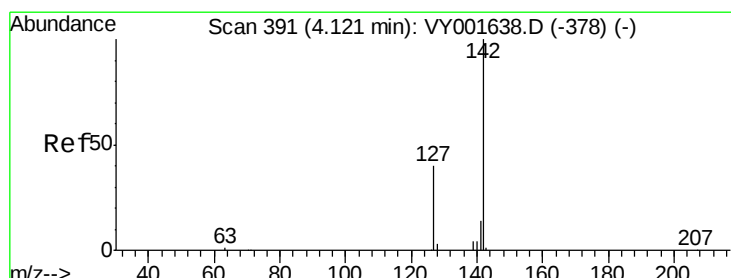
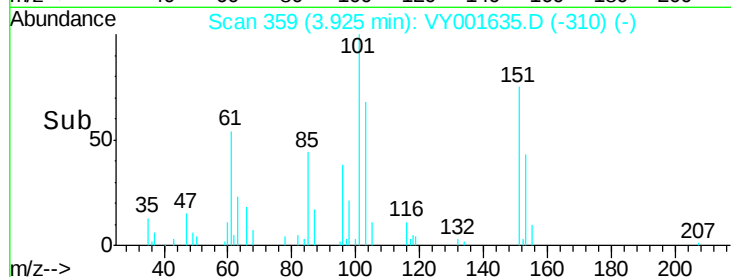
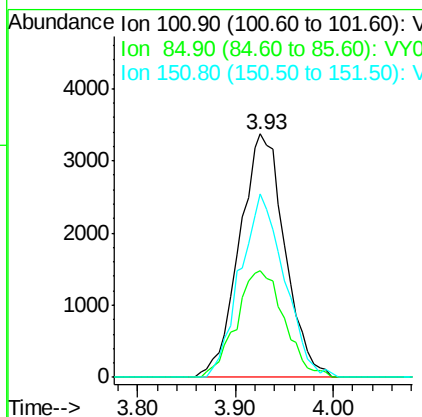
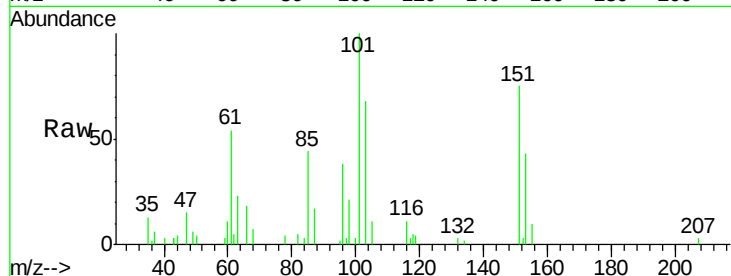
ClientSampleId :

VSTDIC005

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 101   | Resp: | 10862 |
| Ion Ratio | Lower | Upper |       |
| 101       | 100   |       |       |
| 85        | 46.1  | 34.6  | 52.0  |
| 151       | 73.6  | 58.6  | 88.0  |

Manual Integrations  
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2/19/2020 10:49:43 AM



#10

Methyl Iodide

Concen: 4.084 ug/l

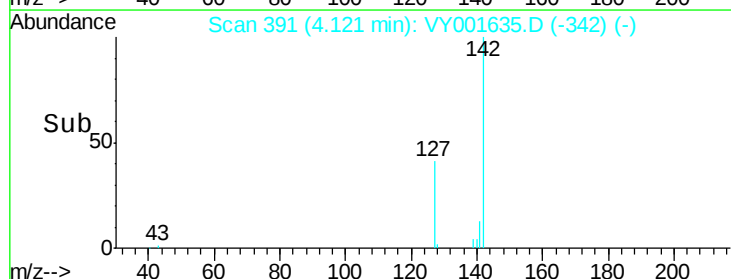
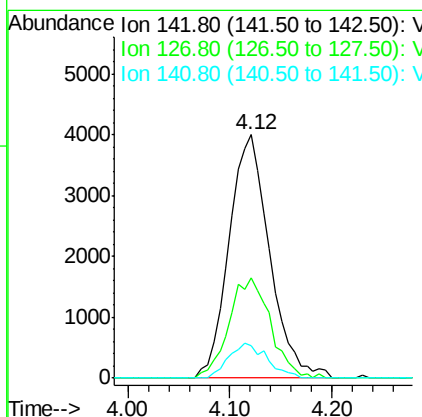
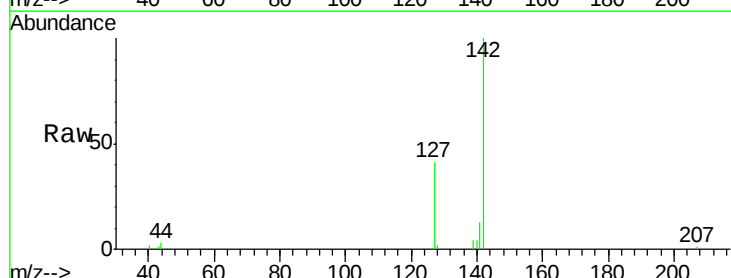
RT: 4.12 min Scan# 391

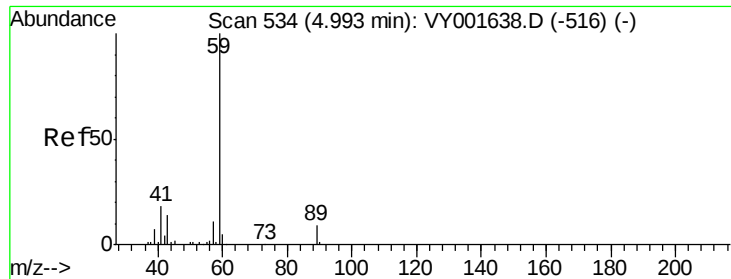
Delta R.T. -0.00 min

Lab File: VY001635.D

Acq: 17 Feb 2020 10:03

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 142   | Resp: | 11040 |
| Ion Ratio | Lower | Upper |       |
| 142       | 100   |       |       |
| 127       | 42.0  | 31.8  | 47.8  |
| 141       | 13.6  | 11.3  | 16.9  |





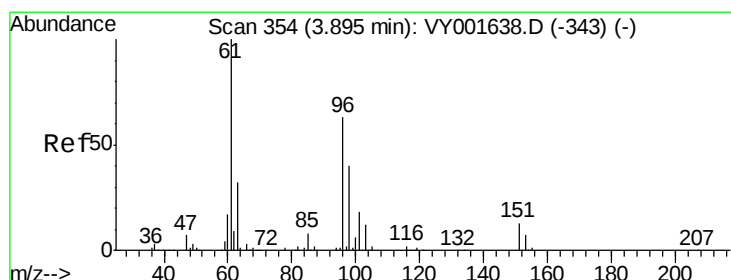
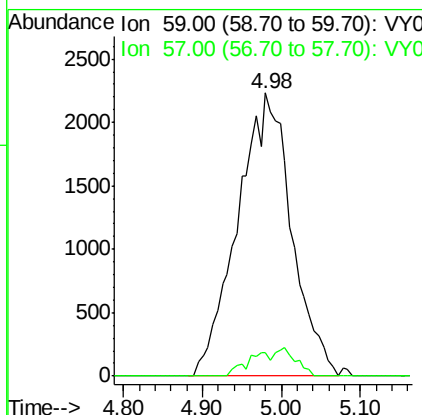
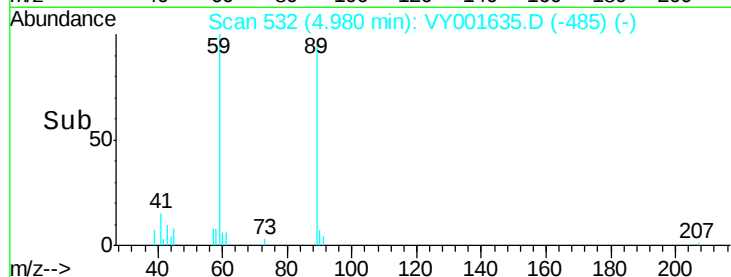
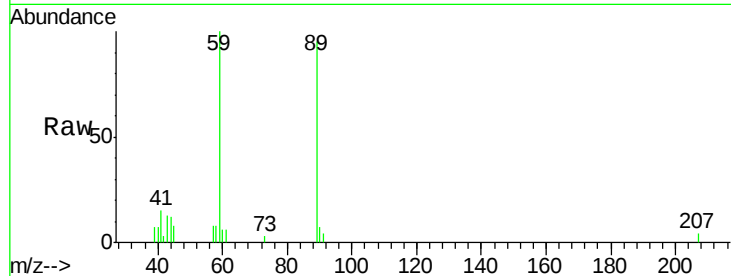
#11  
Tert butyl alcohol  
Concen: 33.548 ug/l  
RT: 4.98 min Scan# 532  
Delta R.T. -0.01 min  
Lab File: VY001635.D  
Acq: 17 Feb 2020 10:03

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC005

Tot Ion: 59 Resp: 10644  
Ion Ratio Lower Upper  
59 100  
57 3.8 7.4 11.2#

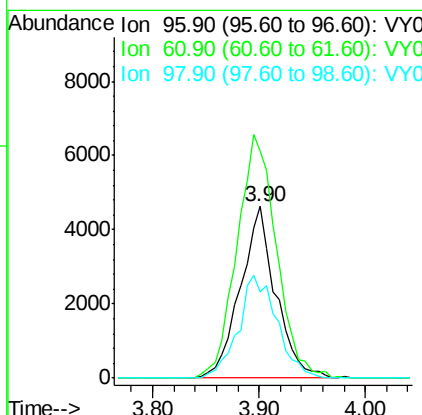
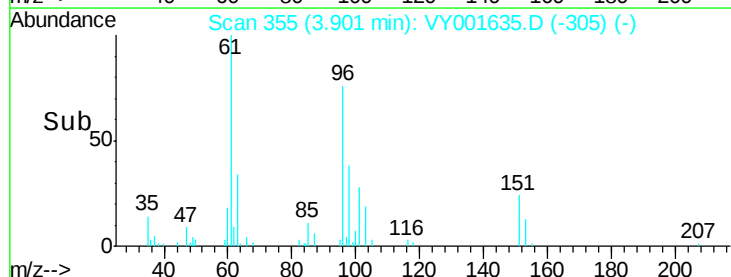
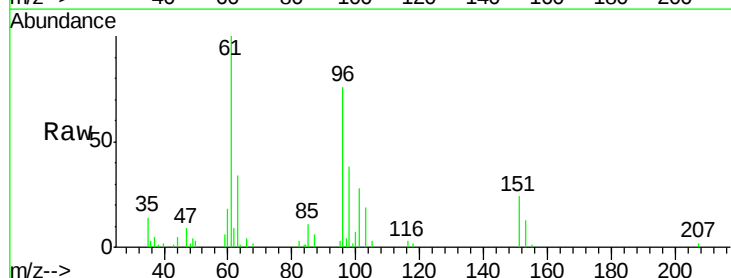
Manual Integrations  
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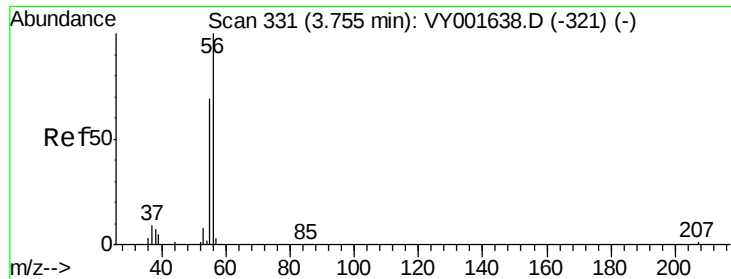
MMDadoda  
2/19/2020 10:49:43 AM



#12  
1,1-Dichloroethene  
Concen: 5.115 ug/l  
RT: 3.90 min Scan# 355  
Delta R.T. 0.01 min  
Lab File: VY001635.D  
Acq: 17 Feb 2020 10:03

Tgt Ion: 96 Resp: 10821  
Ion Ratio Lower Upper  
96 100  
61 132.1 127.9 191.9  
98 50.4 51.0 76.4#





#13

Acrolein

Concen: 28.981 ug/l

RT: 3.75 min Scan# 331

Delta R.T. -0.00 min

Lab File: VY001635.D

Acq: 17 Feb 2020 10:03

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 5680

Ion Ratio Lower Upper

56 100

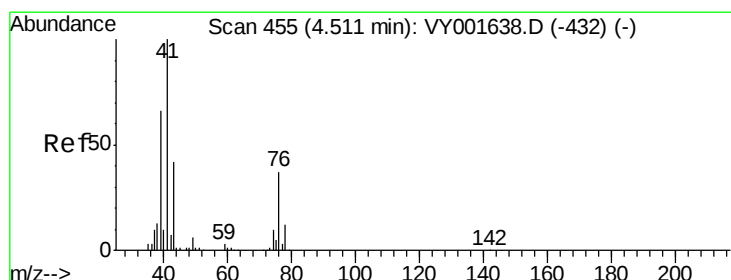
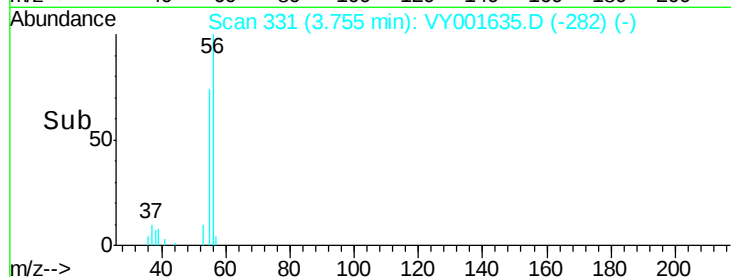
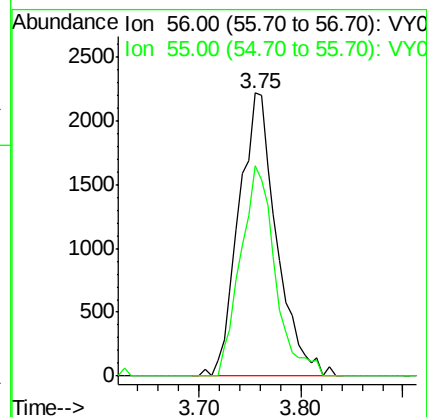
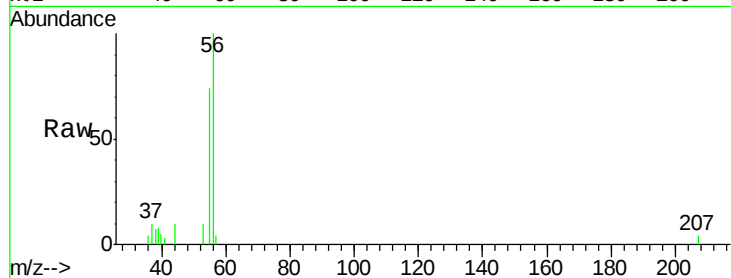
55 68.6 56.4 84.6

Manual Integrations

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MMDadoda

2/19/2020 10:49:43 AM



#14

Allyl chloride

Concen: 5.493 ug/l

RT: 4.51 min Scan# 455

Delta R.T. -0.00 min

Lab File: VY001635.D

Acq: 17 Feb 2020 10:03

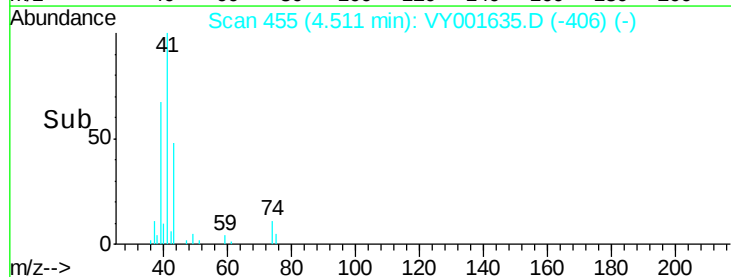
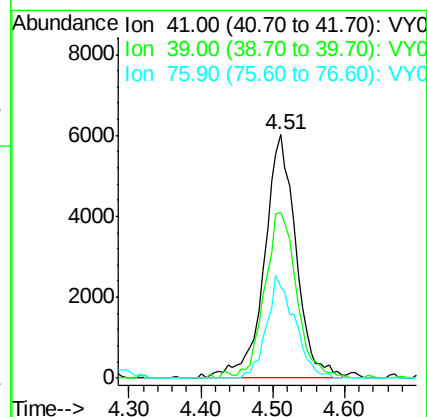
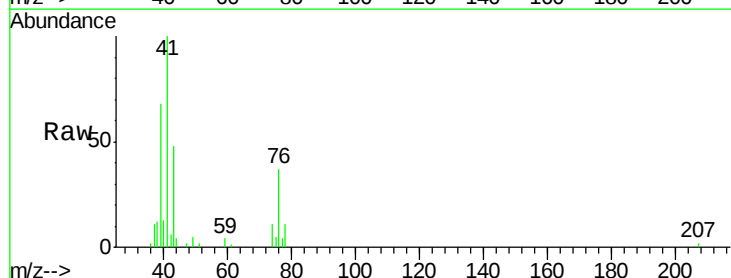
Tgt Ion: 41 Resp: 18362

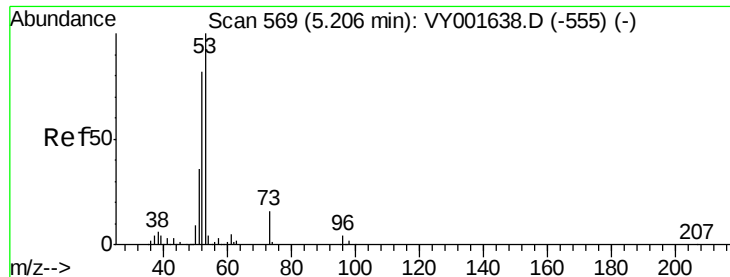
Ion Ratio Lower Upper

41 100

39 68.4 51.0 76.4

76 37.4 28.2 42.4





#15

Acrylonitrile

Concen: 28.319 ug/l

RT: 5.20 min Scan# 568

Delta R.T. -0.01 min

Lab File: VY001635.D

Acq: 17 Feb 2020 10:03

Instrument :

MSVOA\_Y

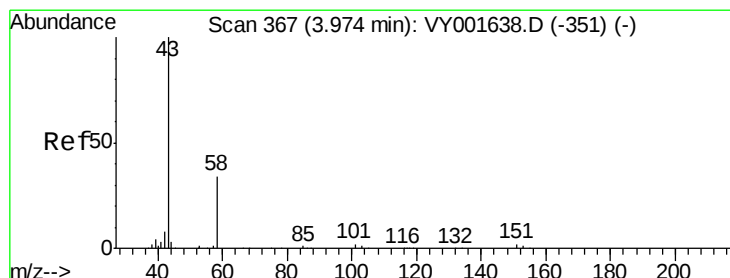
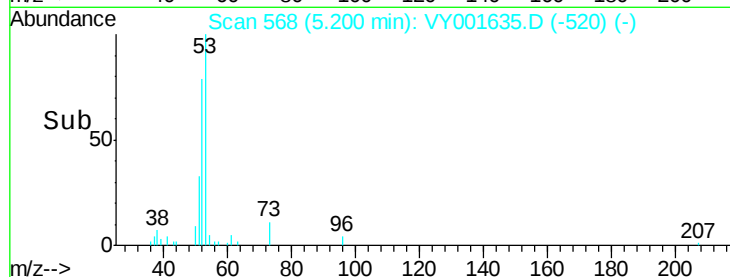
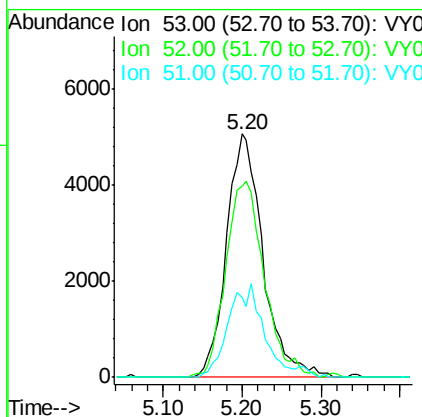
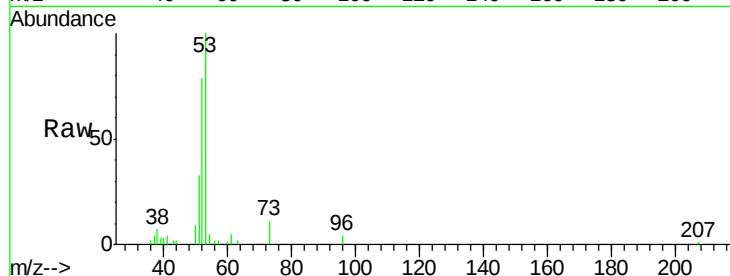
ClientSampleId :

VSTDIC005

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 53    | Resp: | 16299 |
| Ion      | Ratio | Lower | Upper |
| 53       | 100   |       |       |
| 52       | 84.8  | 64.9  | 97.3  |
| 51       | 36.5  | 28.2  | 42.4  |

Manual Integrations  
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#16

Acetone

Concen: 26.915 ug/l

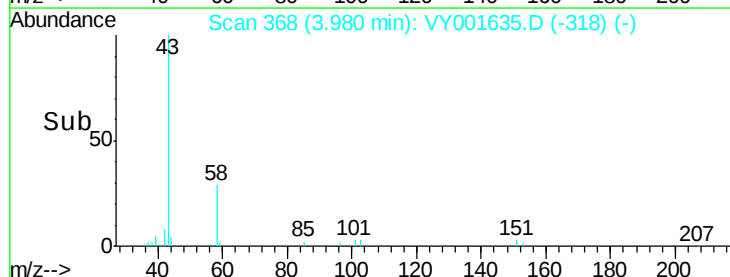
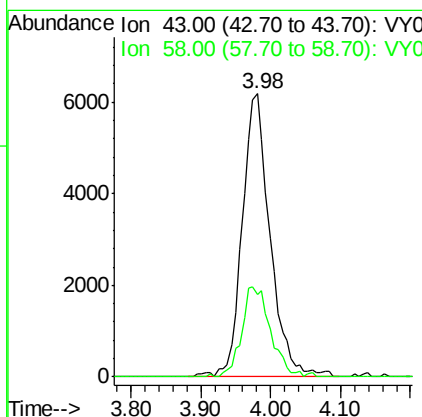
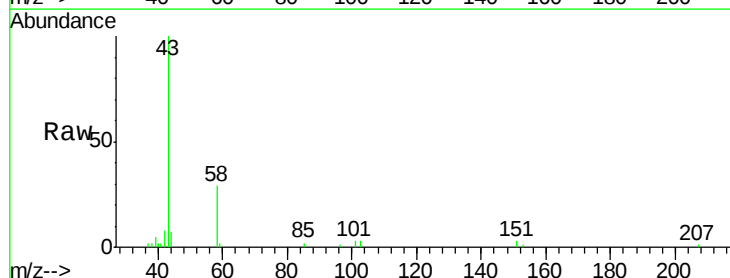
RT: 3.98 min Scan# 368

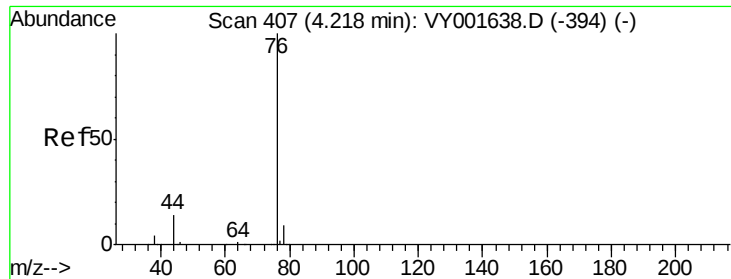
Delta R.T. 0.01 min

Lab File: VY001635.D

Acq: 17 Feb 2020 10:03

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 17052 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 29.1  | 27.0  | 40.4  |





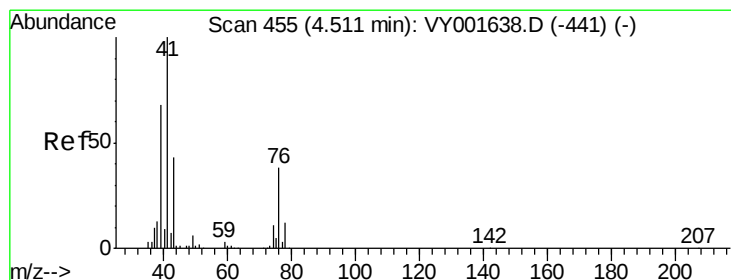
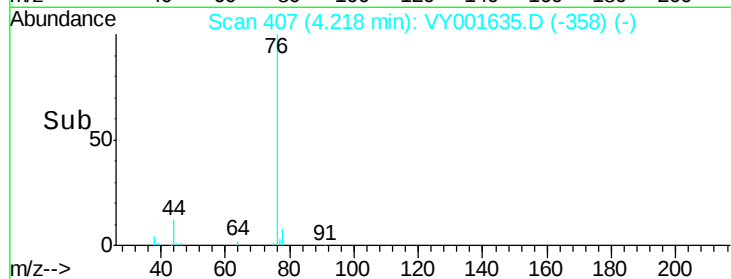
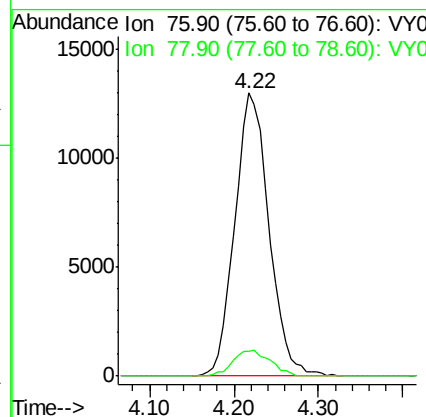
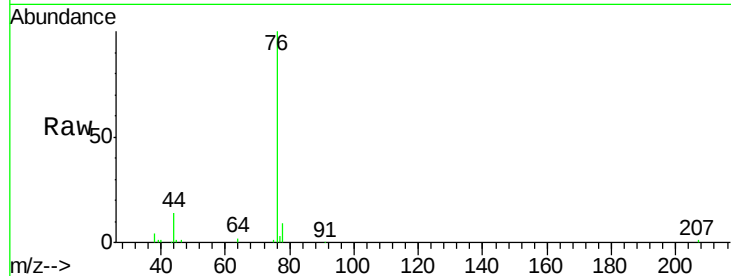
#17  
Carbon Disulfide  
Concen: 5.246 ug/l  
RT: 4.22 min Scan# 407  
Delta R.T. -0.00 min  
Lab File: VY001635.D  
Acq: 17 Feb 2020 10:03

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC005

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 8.9   | 7.2   | 10.8  |

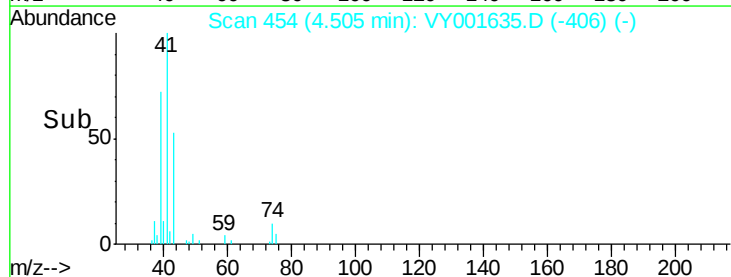
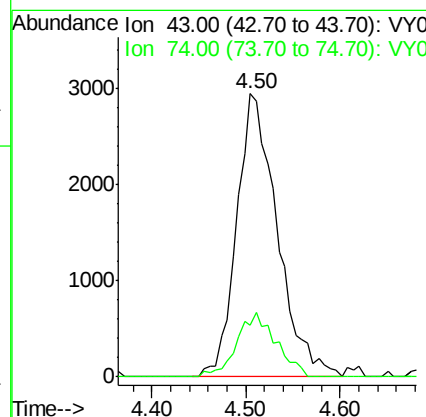
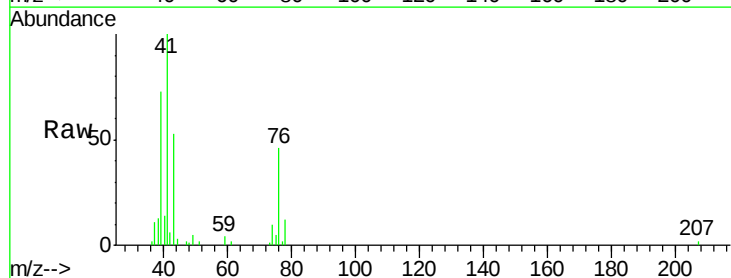
Manual Integrations  
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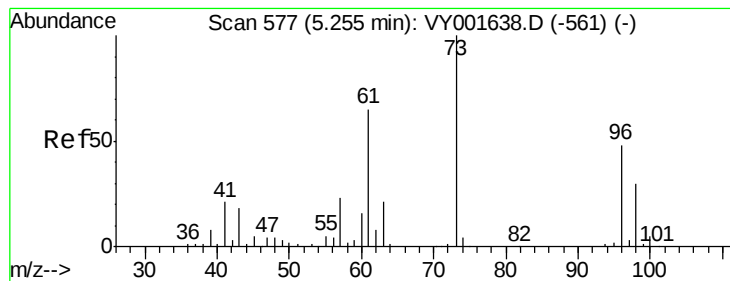
MMDadoda  
2/19/2020 10:49:43 AM



#18  
Methyl Acetate  
Concen: 6.659 ug/l  
RT: 4.50 min Scan# 454  
Delta R.T. -0.01 min  
Lab File: VY001635.D  
Acq: 17 Feb 2020 10:03

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 74      | 21.9  | 18.2  | 27.4  |





#19

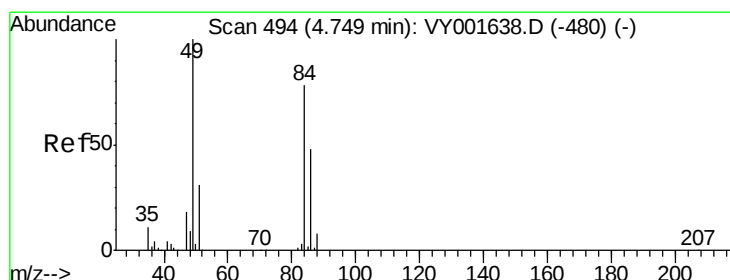
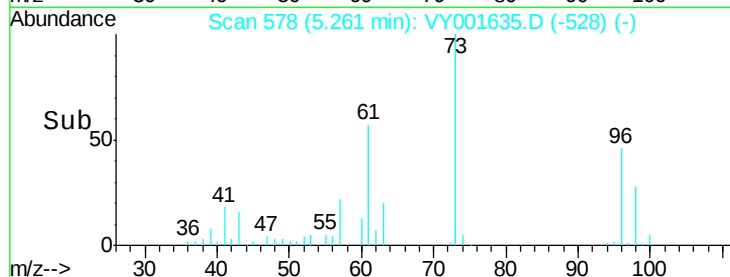
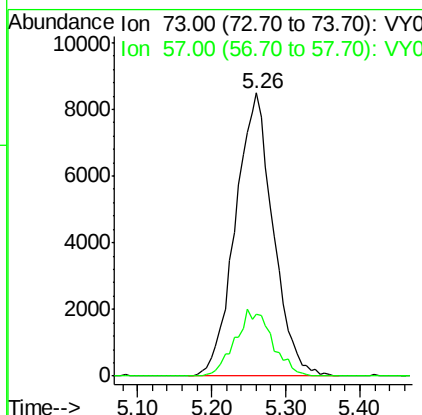
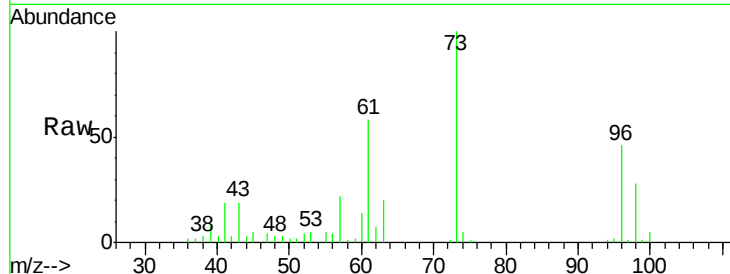
Methyl tert-butyl Ether  
 Concen: 5.264 ug/l  
 RT: 5.26 min Scan# 578  
 Delta R.T. 0.01 min  
 Lab File: VY001635.D  
 Acq: 17 Feb 2020 10:03

Instrument :  
 MSVOA\_Y  
 ClientSampleID :  
 VSTDIC005

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 73      | 100   |       |       |
| 57      | 22.0  | 18.6  | 27.8  |

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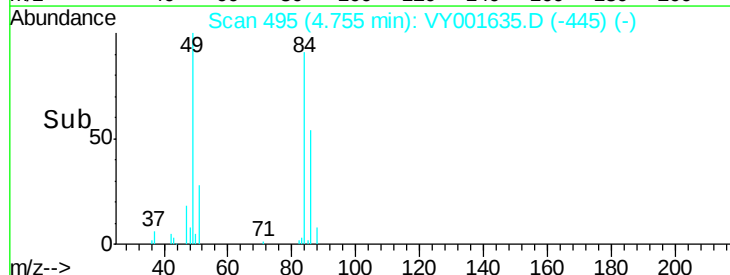
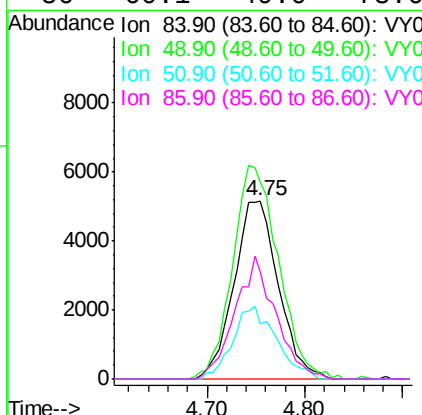
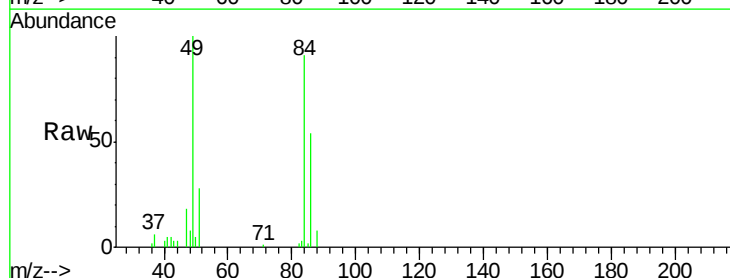
MMDadoda  
 2/19/2020 10:49:43 AM

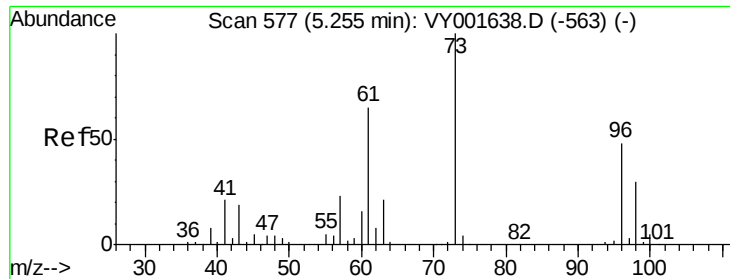


#20

Methylene Chloride  
 Concen: 6.163 ug/l  
 RT: 4.75 min Scan# 495  
 Delta R.T. 0.01 min  
 Lab File: VY001635.D  
 Acq: 17 Feb 2020 10:03

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 84      | 100   |       |       |
| 49      | 110.5 | 102.3 | 153.5 |
| 51      | 30.9  | 31.4  | 47.2  |
| 86      | 60.1  | 49.0  | 73.6  |





#21

trans-1,2-Dichloroethene

Concen: 5.250 ug/l

RT: 5.25 min Scan# 576

Delta R.T. -0.01 min

Lab File: VY001635.D

Acq: 17 Feb 2020 10:03

Instrument :

MSVOA\_Y

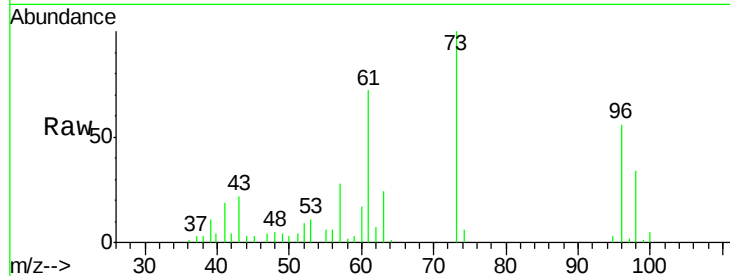
ClientSampleId :

VSTDIC005

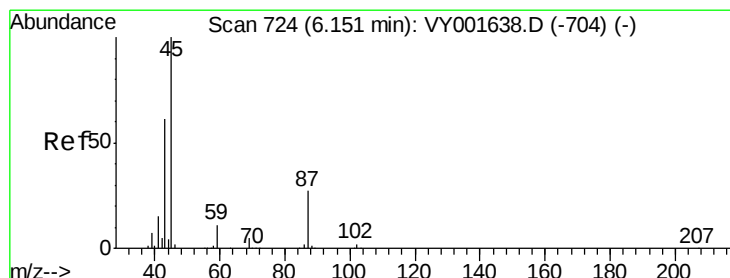
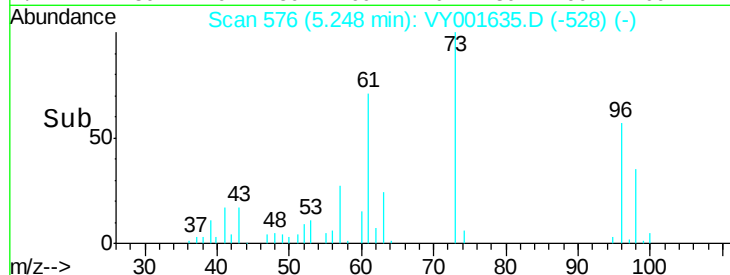
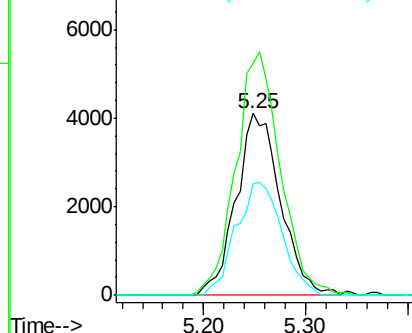
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 96    | Resp: | 12422 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 127.8 | 109.0 | 163.4 |
| 98       | 61.1  | 49.5  | 74.3  |

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Abundance Ion 95.90 (95.60 to 96.60): VY0  
Ion 60.90 (60.60 to 61.60): VY0  
Ion 97.90 (97.60 to 98.60): VY0



#22

Diisopropyl ether

Concen: 5.815 ug/l

RT: 6.14 min Scan# 723

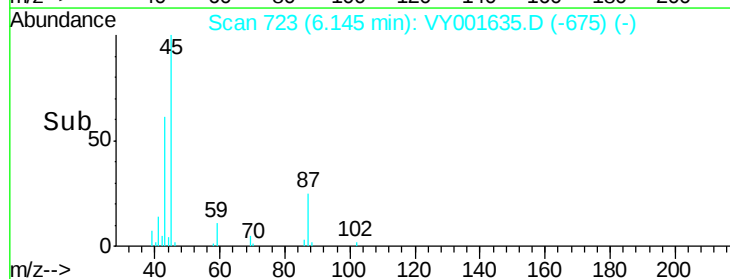
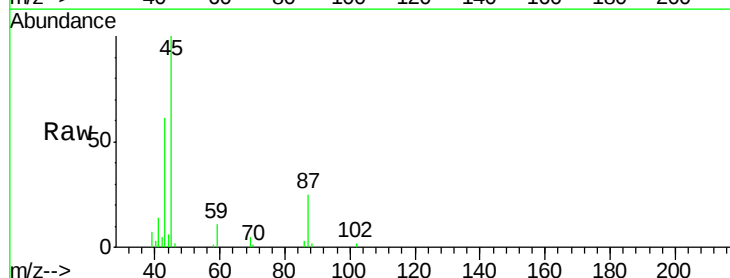
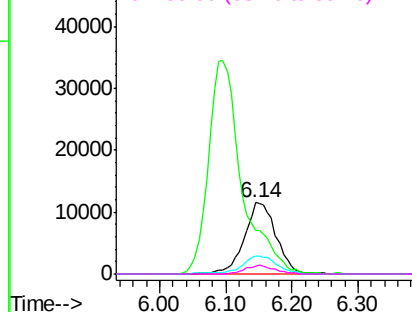
Delta R.T. -0.01 min

Lab File: VY001635.D

Acq: 17 Feb 2020 10:03

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 45    | Resp: | 38746 |
| Ion      | Ratio | Lower | Upper |
| 45       | 100   |       |       |
| 43       | 59.8  | 48.6  | 72.8  |
| 87       | 25.2  | 21.7  | 32.5  |
| 59       | 10.7  | 9.0   | 13.6  |

Abundance Ion 45.00 (44.70 to 45.70): VY0  
Ion 43.00 (42.70 to 43.70): VY0  
Ion 87.00 (86.70 to 87.70): VY0  
Ion 59.00 (58.70 to 59.70): VY0





#23

Vinyl Acetate

Concen: 28.213 ug/l

RT: 6.10 min Scan# 715

Delta R.T. -0.00 min

Lab File: VY001635.D

Acq: 17 Feb 2020 10:03

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 121052

Ion Ratio Lower Upper

43 100

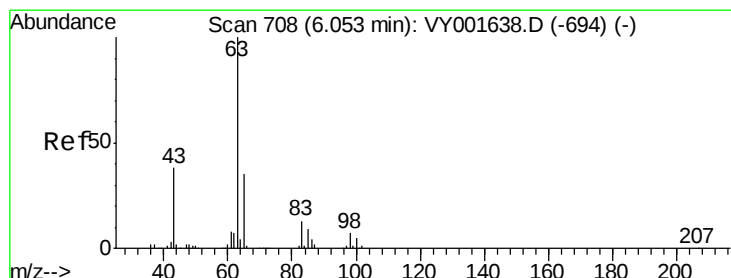
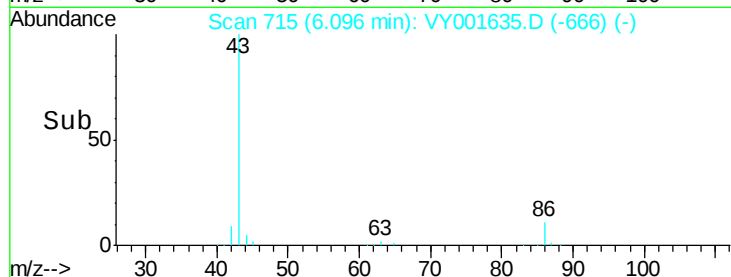
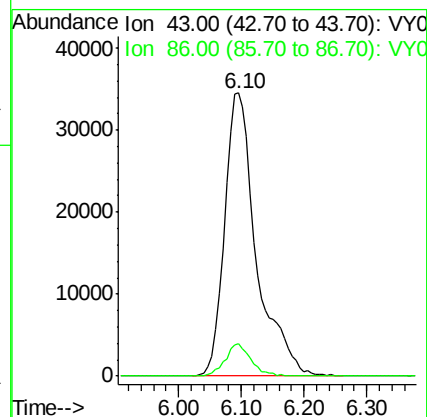
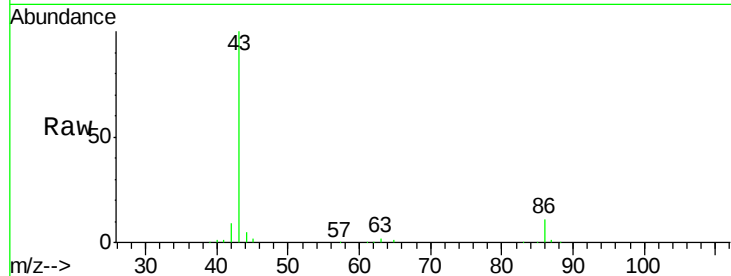
86 11.5 8.3 12.5

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#24

1,1-Dichloroethane

Concen: 5.332 ug/l

RT: 6.05 min Scan# 708

Delta R.T. -0.00 min

Lab File: VY001635.D

Acq: 17 Feb 2020 10:03

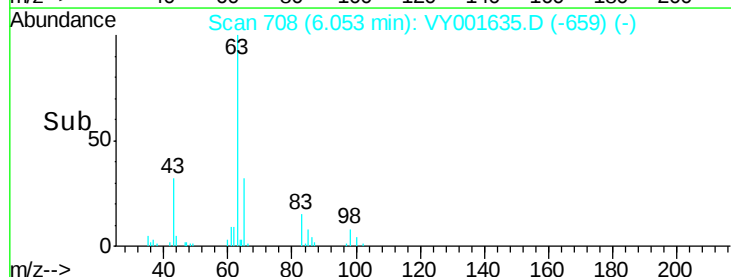
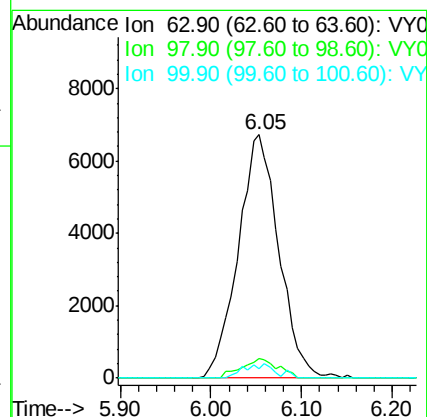
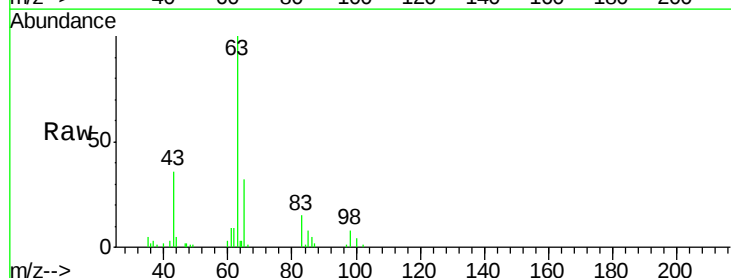
Tgt Ion: 63 Resp: 20891

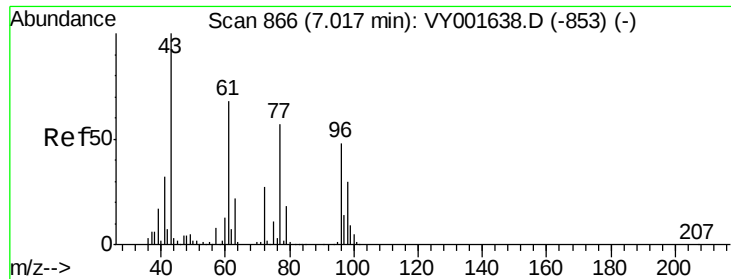
Ion Ratio Lower Upper

63 100

98 8.3 3.8 11.2

100 3.9 2.3 6.9





#25

2-Butanone

Concen: 28.471 ug/l

RT: 7.02 min Scan# 867

Delta R.T. 0.01 min

Lab File: VY001635.D

Acq: 17 Feb 2020 10:03

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 23422

Ion Ratio Lower Upper

43 100

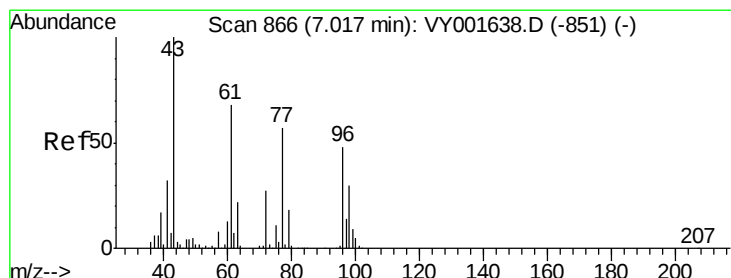
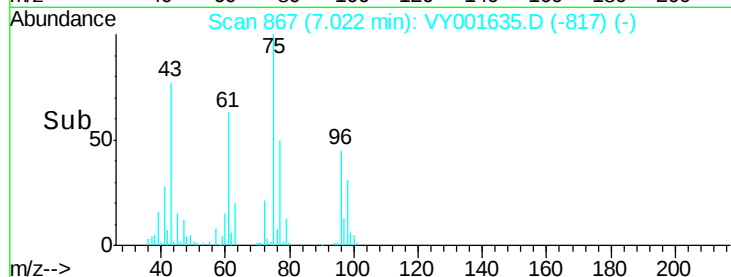
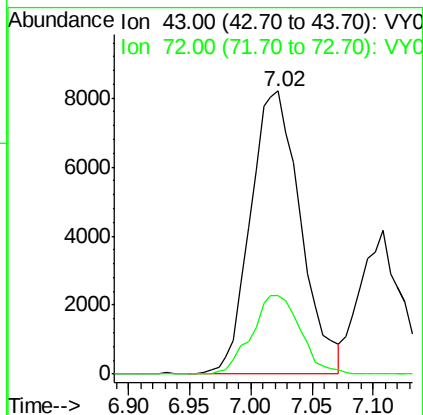
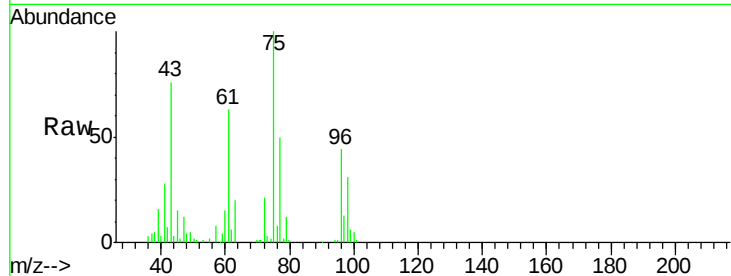
72 27.6 21.3 31.9

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 5.258 ug/l

RT: 7.01 min Scan# 865

Delta R.T. -0.01 min

Lab File: VY001635.D

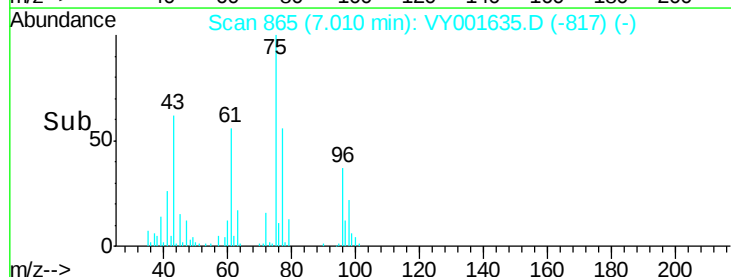
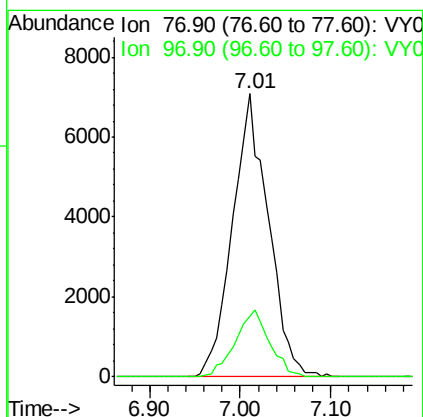
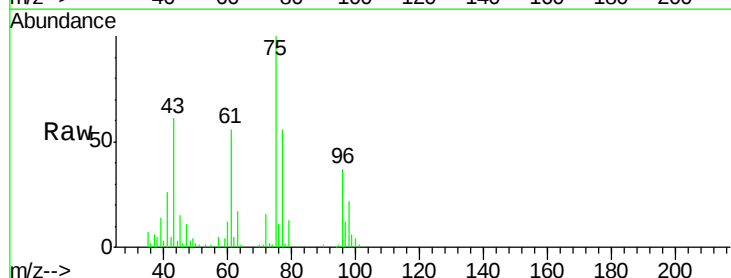
Acq: 17 Feb 2020 10:03

Tgt Ion: 77 Resp: 19404

Ion Ratio Lower Upper

77 100

97 22.7 11.9 35.5





#27

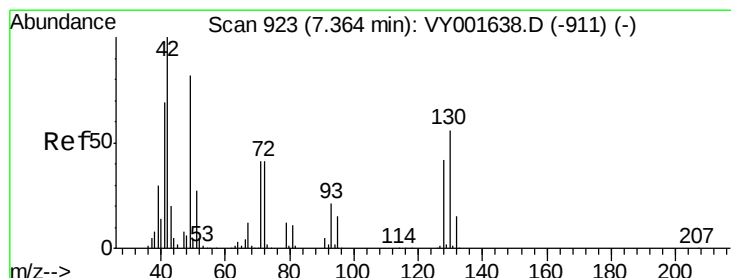
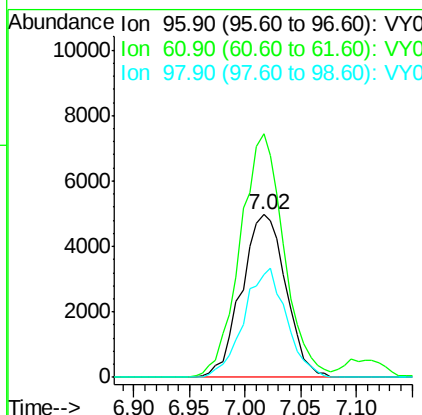
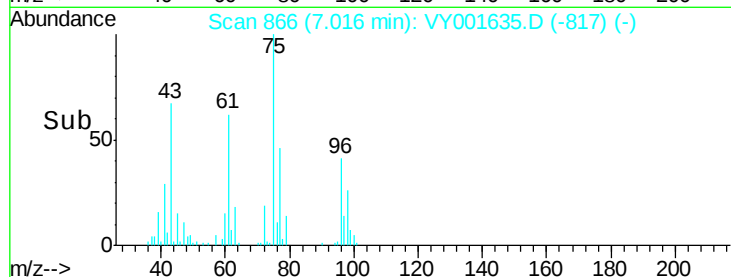
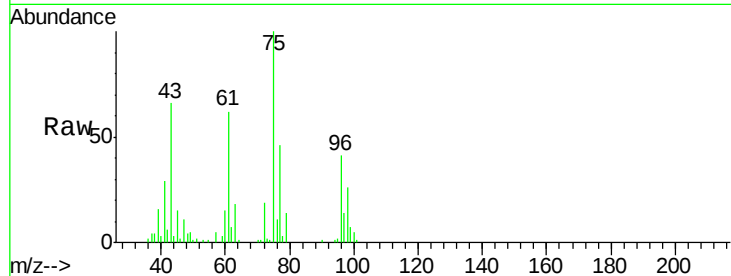
cis-1,2-Dichloroethene  
Concen: 5.323 ug/l  
RT: 7.02 min Scan# 866  
Delta R.T. -0.00 min  
Lab File: VY001635.D  
Acq: 17 Feb 2020 10:03

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC005

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 147.7 | 0.0   | 291.4 |
| 98      | 64.4  | 0.0   | 128.6 |

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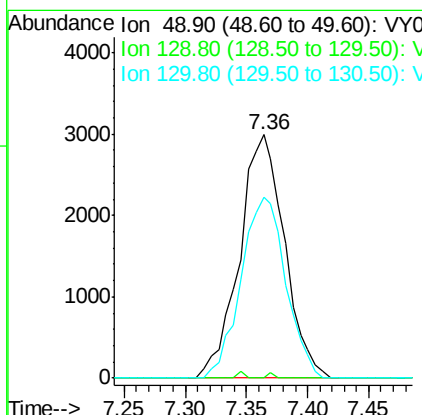
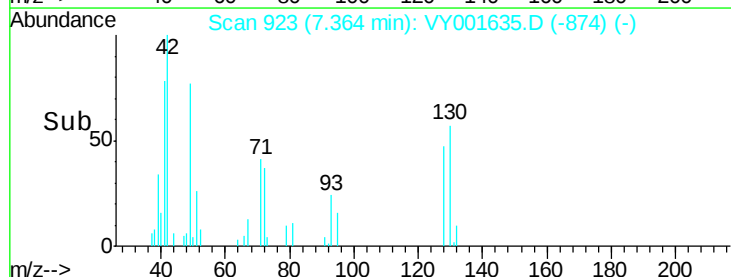
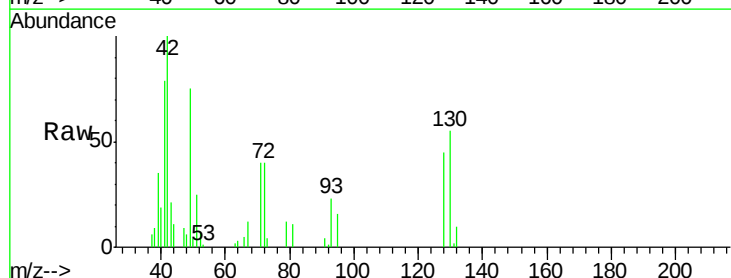
MMDadoda  
2/19/2020 10:49:43 AM

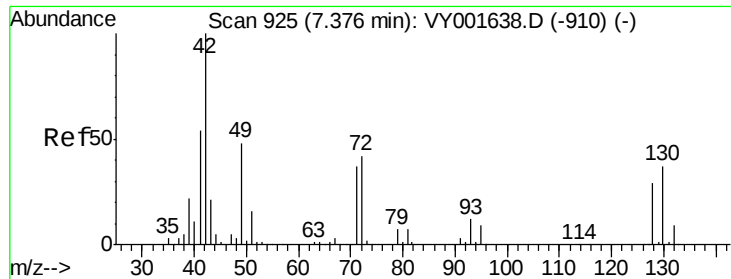


#28

Bromochloromethane  
Concen: 5.530 ug/l  
RT: 7.36 min Scan# 923  
Delta R.T. -0.00 min  
Lab File: VY001635.D  
Acq: 17 Feb 2020 10:03

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 49      | 100   |       |       |
| 129     | 0.3   | 0.0   | 4.0   |
| 130     | 74.0  | 56.4  | 84.6  |





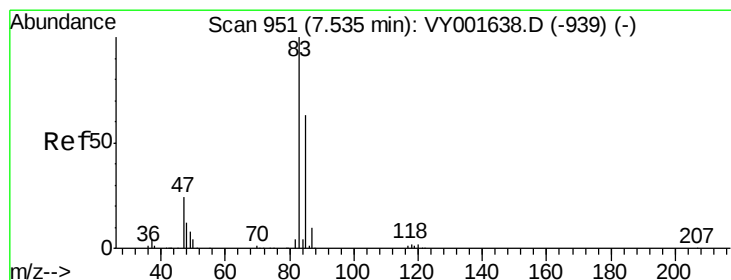
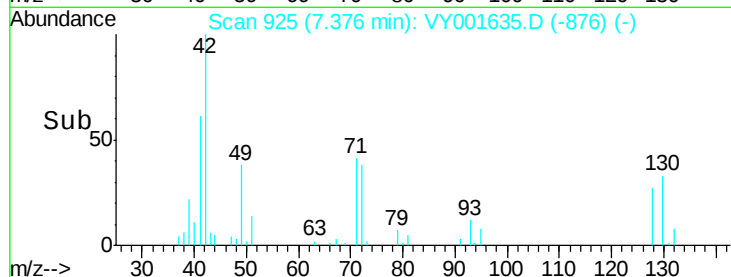
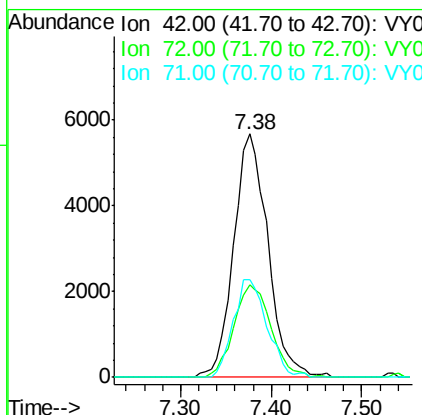
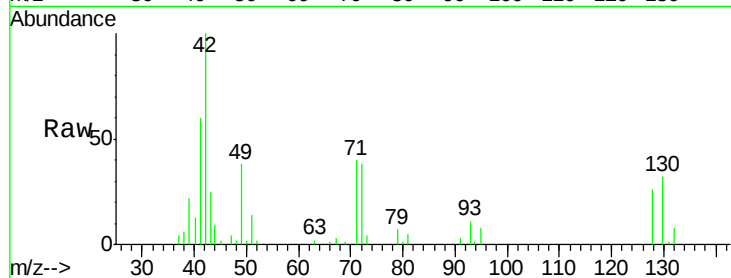
#29  
Tetrahydrofuran  
Concen: 30.622 ug/l  
RT: 7.38 min Scan# 925  
Delta R.T. -0.00 min  
Lab File: VY001635.D  
Acq: 17 Feb 2020 10:03

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC005

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 41.1  | 33.2  | 49.8  |
| 71      | 39.6  | 31.0  | 46.6  |

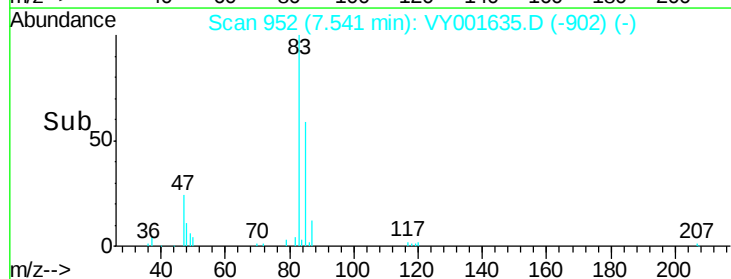
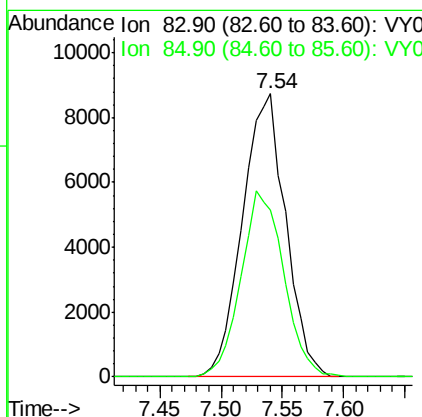
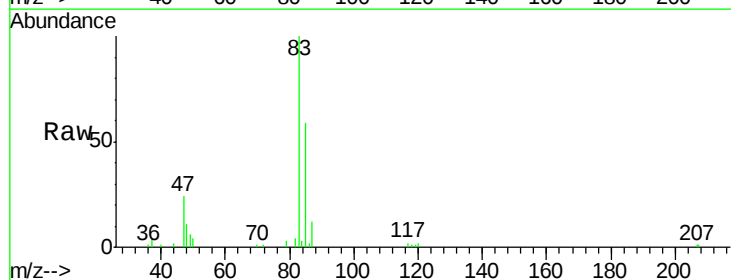
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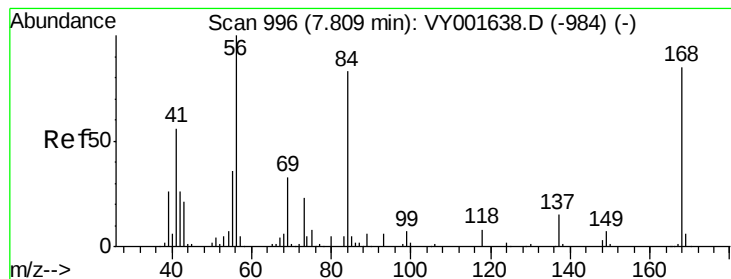
MMDadoda  
2/19/2020 10:49:43 AM



#30  
Chloroform  
Concen: 5.473 ug/l  
RT: 7.54 min Scan# 952  
Delta R.T. 0.01 min  
Lab File: VY001635.D  
Acq: 17 Feb 2020 10:03

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 59.2  | 50.2  | 75.4  |





#31

Cyclohexane

Concen: 6.257 ug/l

RT: 7.81 min Scan# 996

Delta R.T. -0.00 min

Lab File: VY001635.D

Acq: 17 Feb 2020 10:03

Instrument :

MSVOA\_Y

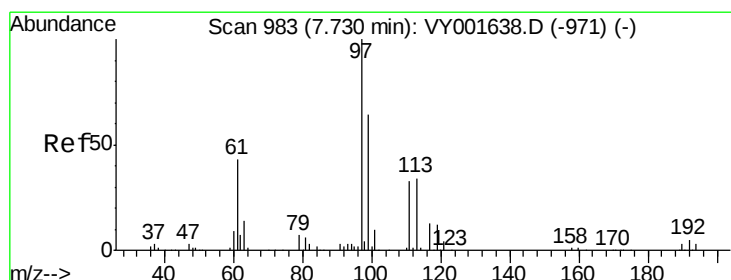
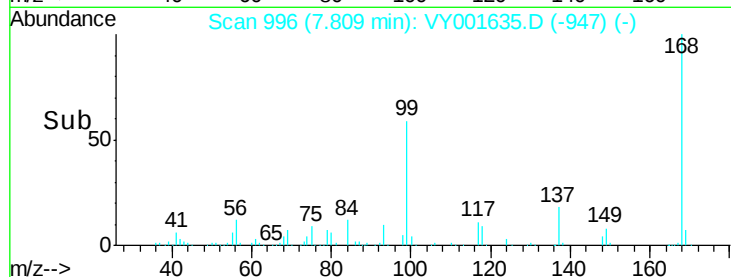
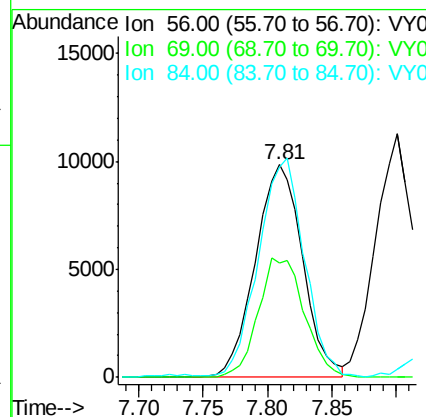
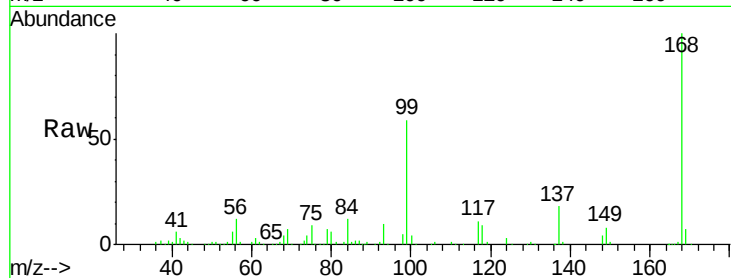
ClientSampleId :

VSTDIC005

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 56    | Resp: | 25181 |
| Ion Ratio | Lower | Upper |       |
| 56        | 100   |       |       |
| 69        | 53.9  | 26.3  | 39.5# |
| 84        | 98.1  | 66.6  | 99.8  |

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#32

1,1,1-Trichloroethane

Concen: 4.816 ug/l

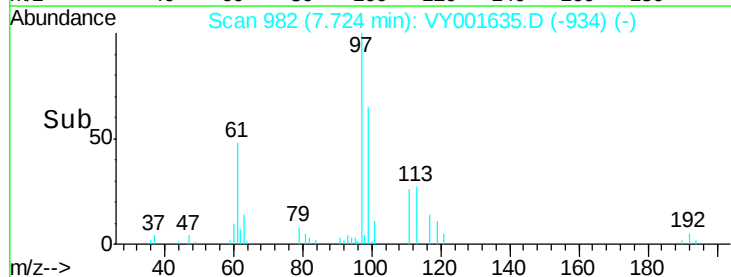
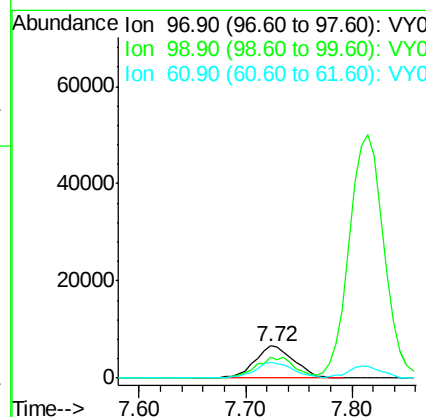
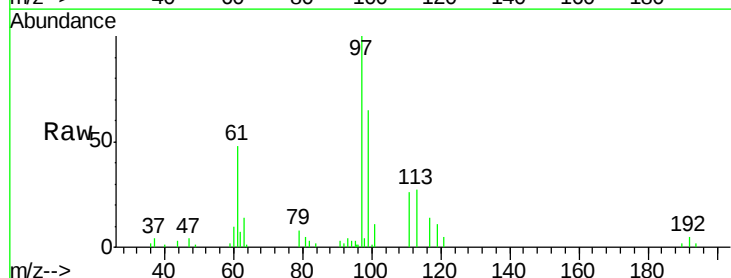
RT: 7.72 min Scan# 982

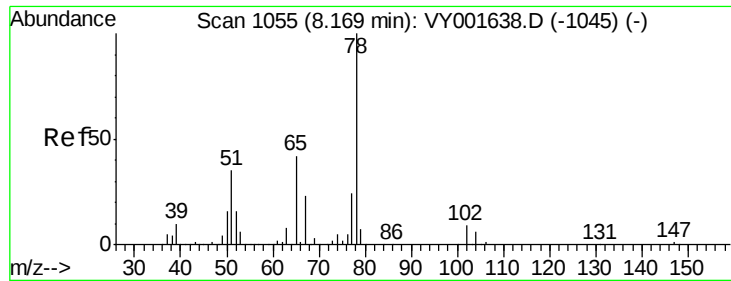
Delta R.T. -0.01 min

Lab File: VY001635.D

Acq: 17 Feb 2020 10:03

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 97    | Resp: | 16958 |
| Ion Ratio | Lower | Upper |       |
| 97        | 100   |       |       |
| 99        | 65.5  | 51.3  | 76.9  |
| 61        | 47.5  | 35.2  | 52.8  |





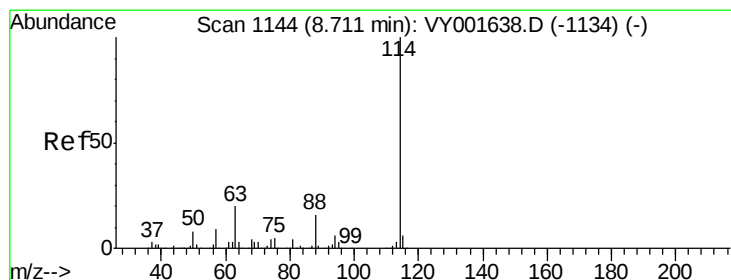
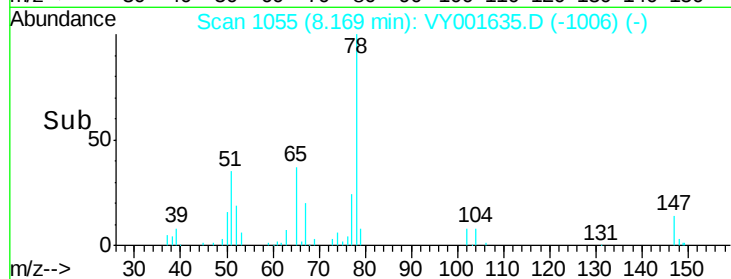
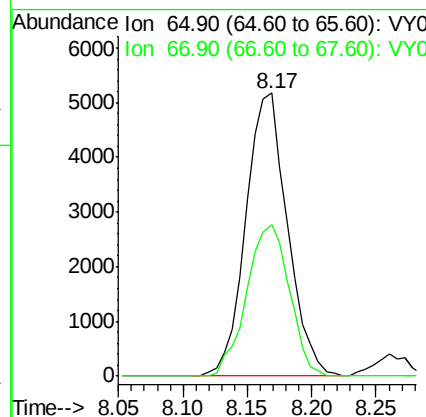
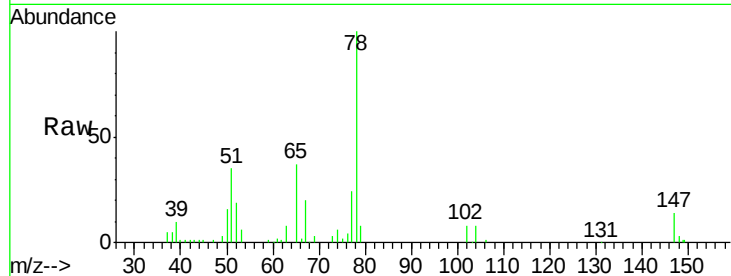
#33  
 1,2-Dichloroethane-d4  
 Concen: 5.637 ug/l  
 RT: 8.17 min Scan# 1055  
 Delta R.T. -0.00 min  
 Lab File: VY001635.D  
 Acq: 17 Feb 2020 10:03

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDIC005

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 67      | 54.8  | 0.0   | 109.8 |

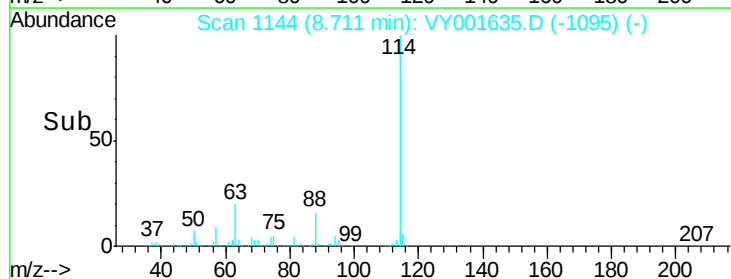
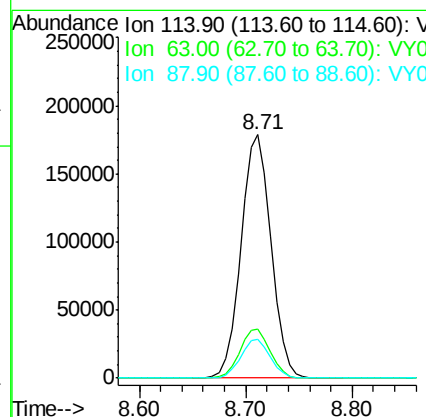
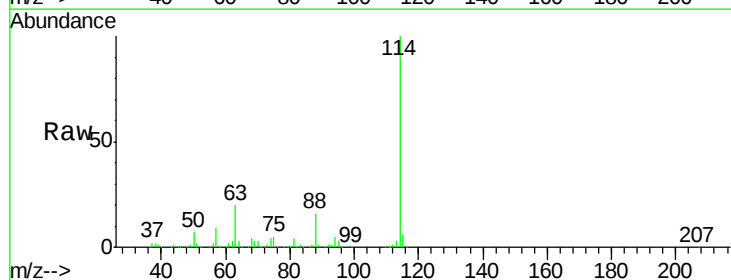
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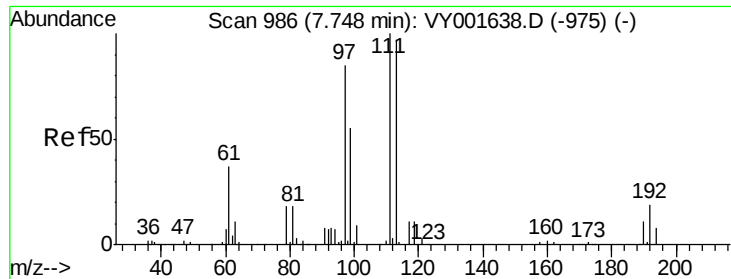
MMDadoda  
 2/19/2020 10:49:43 AM



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.71 min Scan# 1144  
 Delta R.T. -0.00 min  
 Lab File: VY001635.D  
 Acq: 17 Feb 2020 10:03

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 20.2  | 0.0   | 40.2  |
| 88      | 15.8  | 0.0   | 32.2  |





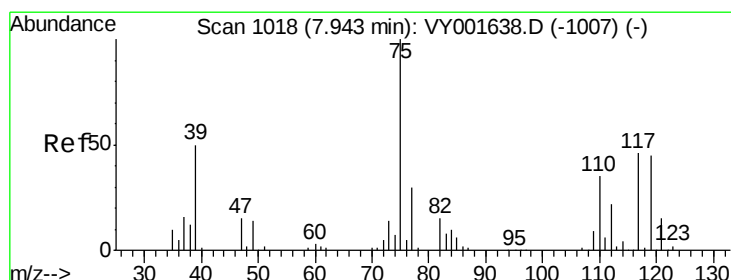
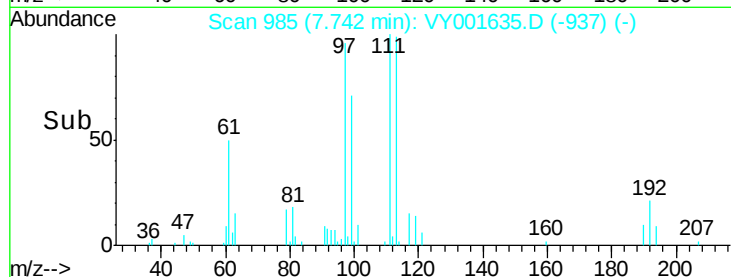
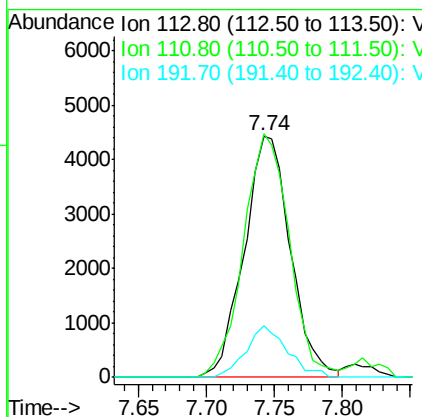
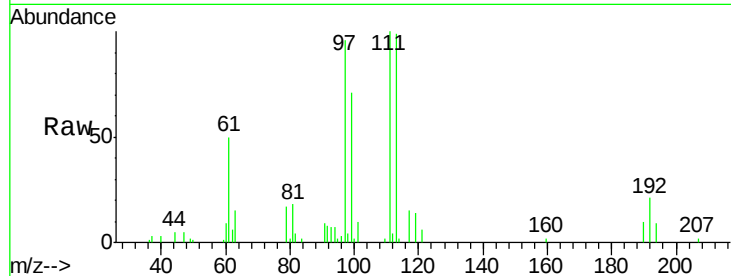
#35  
 Dibromofluoromethane  
 Concen: 5.216 ug/l  
 RT: 7.74 min Scan# 985  
 Delta R.T. -0.01 min  
 Lab File: VY001635.D  
 Acq: 17 Feb 2020 10:03

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDIC005

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 100.3 | 83.4  | 125.0 |
| 192     | 19.1  | 15.2  | 22.8  |

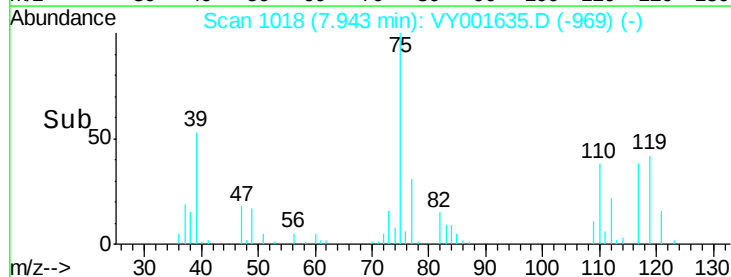
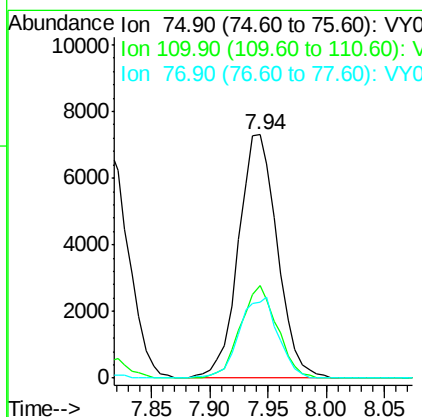
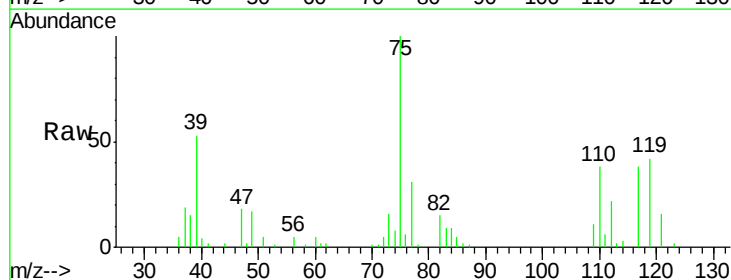
Manual Integrations  
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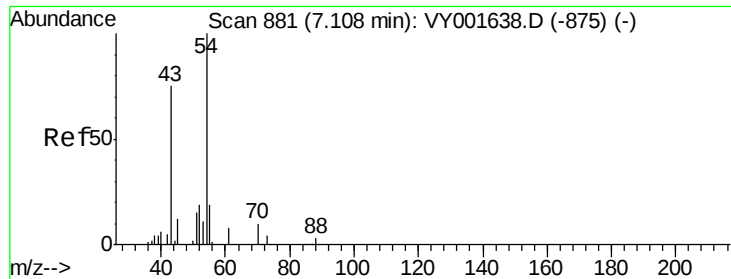
MMDadoda  
 2/19/2020 10:49:43 AM



#36  
 1,1-Dichloropropene  
 Concen: 5.254 ug/l  
 RT: 7.94 min Scan# 1018  
 Delta R.T. -0.00 min  
 Lab File: VY001635.D  
 Acq: 17 Feb 2020 10:03

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 110     | 35.9  | 17.6  | 52.8  |
| 77      | 33.2  | 24.4  | 36.6  |





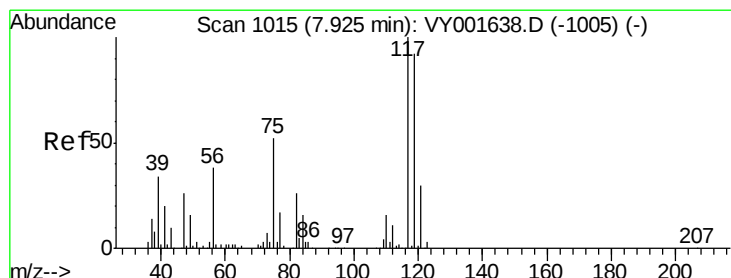
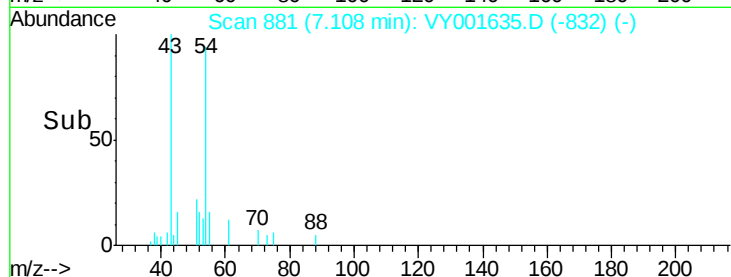
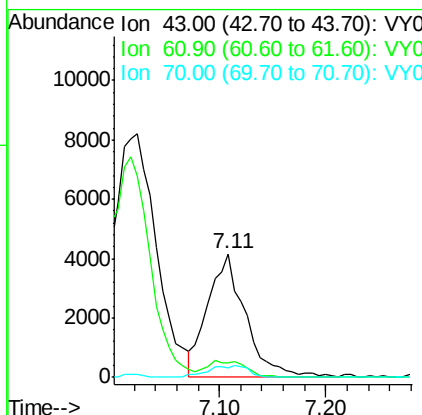
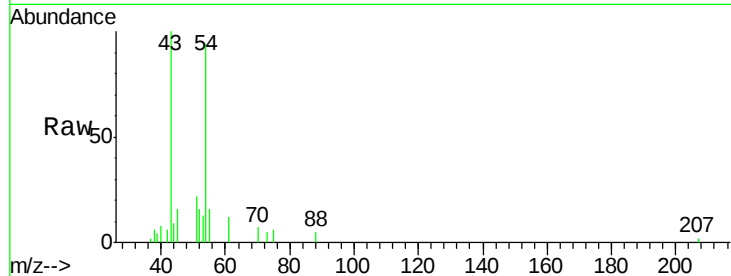
#37  
Ethyl Acetate  
Concen: 6.203 ug/l  
RT: 7.11 min Scan# 881  
Delta R.T. -0.00 min  
Lab File: VY001635.D  
Acq: 17 Feb 2020 10:03

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC005

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 13.6  | 11.4  | 17.0  |
| 70      | 5.5   | 8.6   | 12.8  |

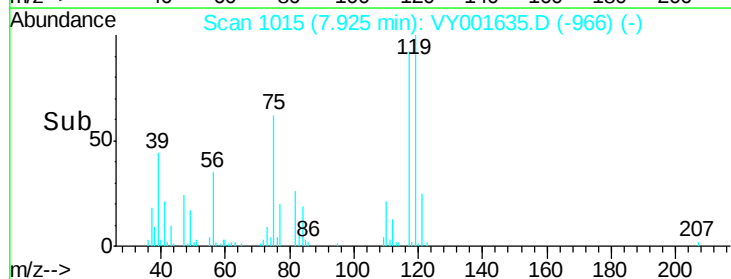
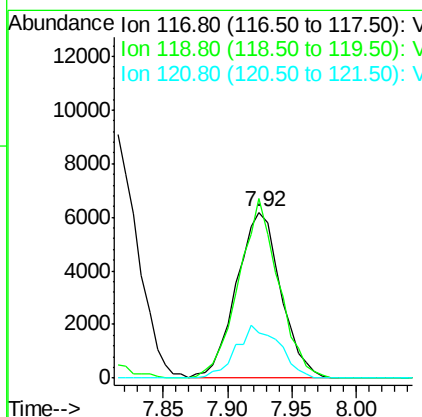
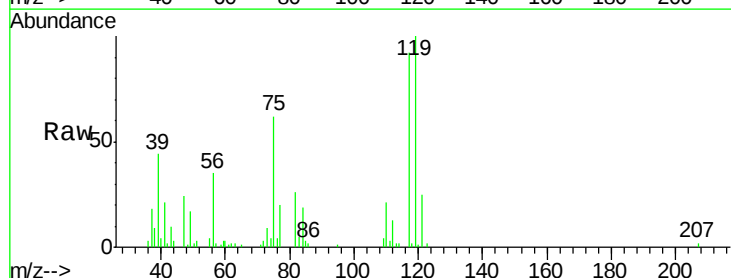
Manual Integrations  
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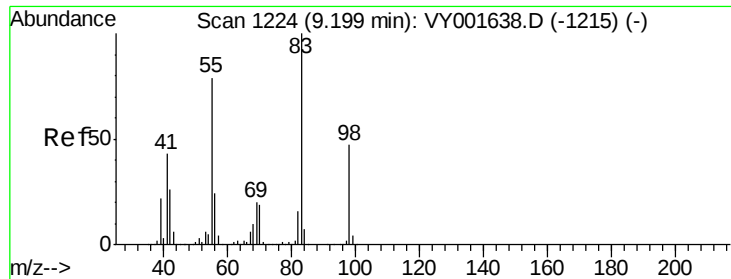
MMDadoda  
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#38  
Carbon Tetrachloride  
Concen: 4.797 ug/l  
RT: 7.92 min Scan# 1015  
Delta R.T. -0.00 min  
Lab File: VY001635.D  
Acq: 17 Feb 2020 10:03

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 108.5 | 73.4  | 110.0 |
| 121     | 27.2  | 23.7  | 35.5  |





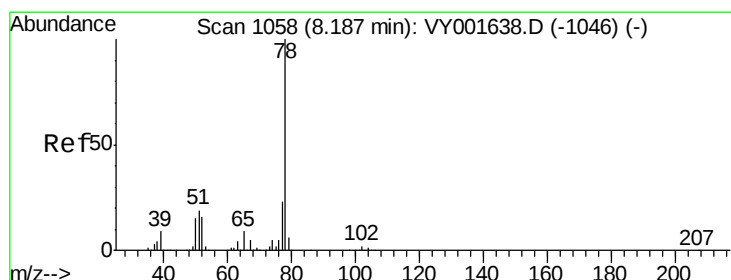
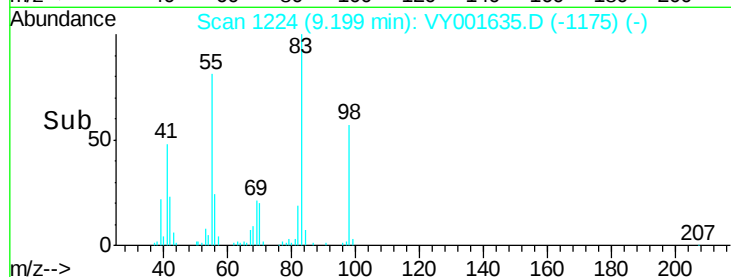
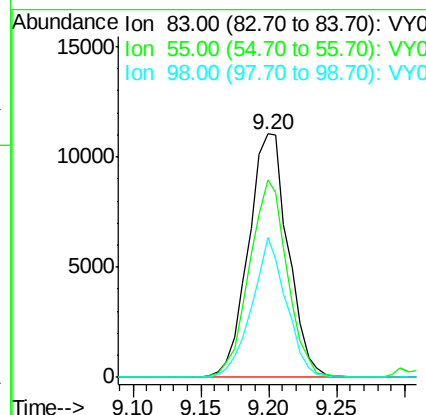
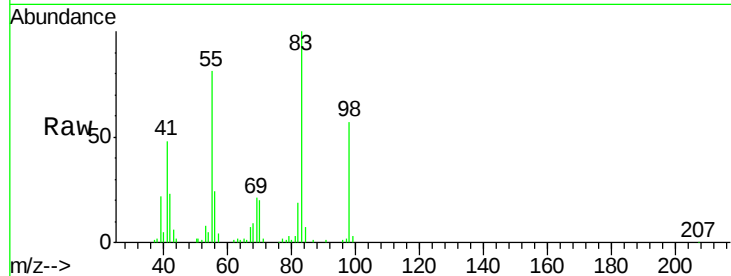
#39  
Methvlcvclohexane  
Concen: 5.306 ug/l  
RT: 9.20 min Scan# 1224  
Delta R.T. -0.00 min  
Lab File: VY001635.D  
Acq: 17 Feb 2020 10:03

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC005

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 81.0  | 63.3  | 94.9  |
| 98      | 57.3  | 37.9  | 56.9# |

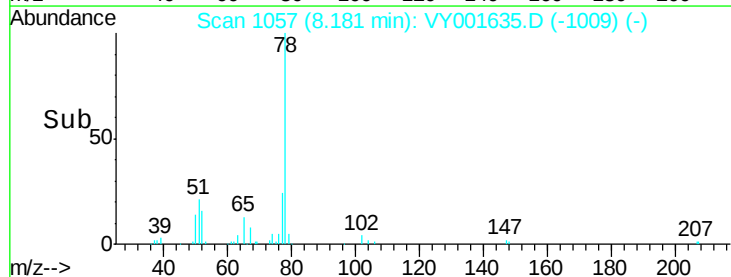
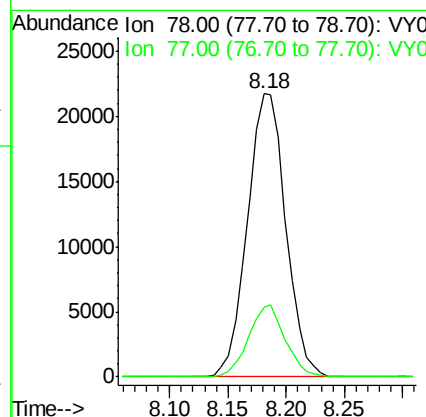
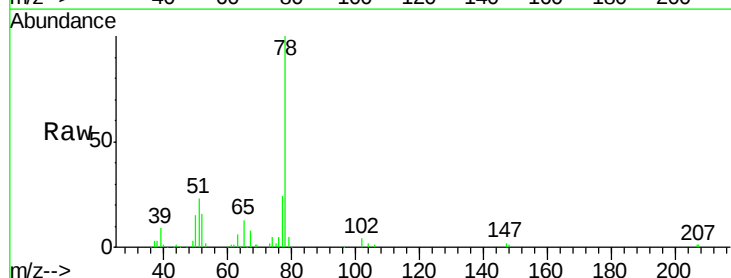
Manual Integrations  
APPROVED

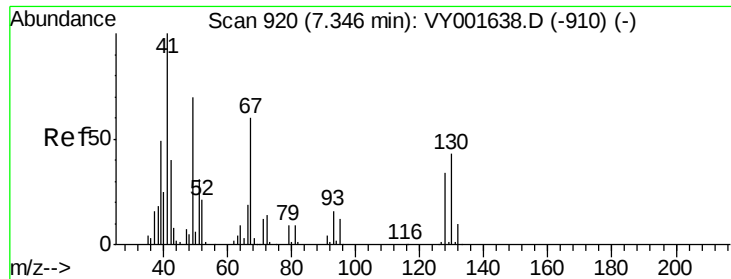
MMDadoda  
2/19/2020 10:49:43 AM



#40  
Benzene  
Concen: 5.347 ug/l  
RT: 8.18 min Scan# 1057  
Delta R.T. -0.01 min  
Lab File: VY001635.D  
Acq: 17 Feb 2020 10:03

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 24.4  | 18.6  | 28.0  |





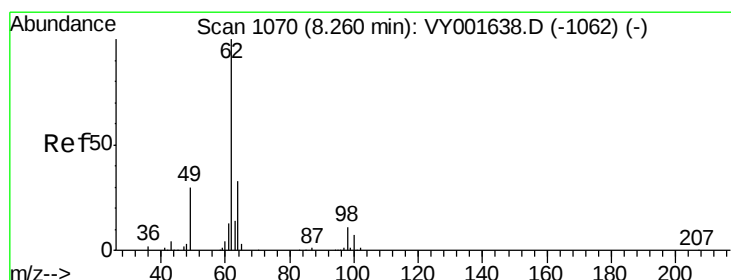
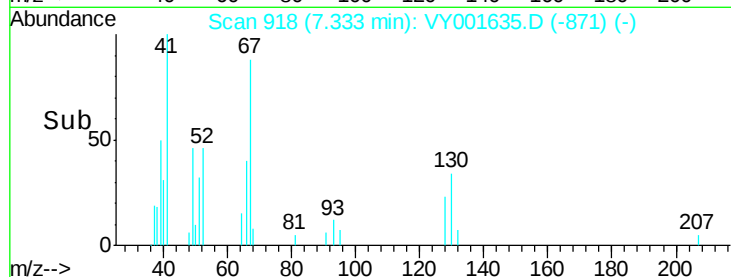
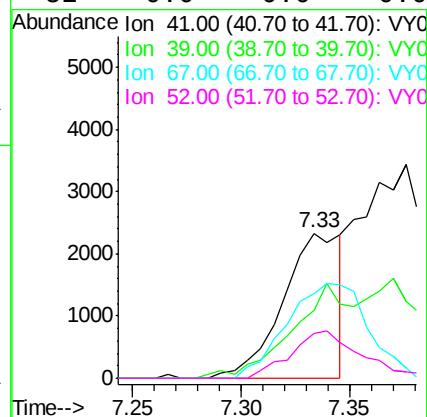
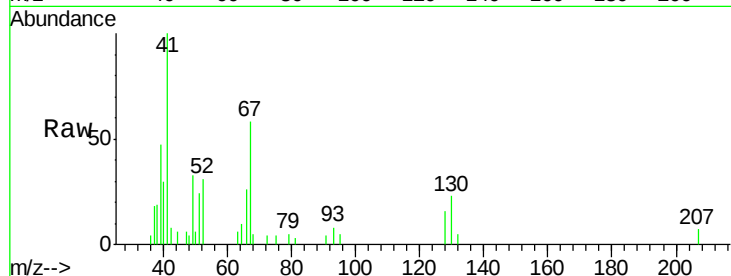
#41  
Methacrylonitrile  
Concen: 5.981 ug/l m  
RT: 7.33 min Scan# 918  
Delta R.T. -0.01 min  
Lab File: VY001635.D  
Acq: 17 Feb 2020 10:03

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC005

| Tot Ion | Ion | Ratio | Lower | Upper  |
|---------|-----|-------|-------|--------|
| 41      | 41  | 100   |       |        |
| 39      | 39  | 79.1  | 114.2 | 171.4# |
| 67      | 67  | 0.0   | 0.0   | 0.0    |
| 52      | 52  | 0.0   | 0.0   | 0.0    |

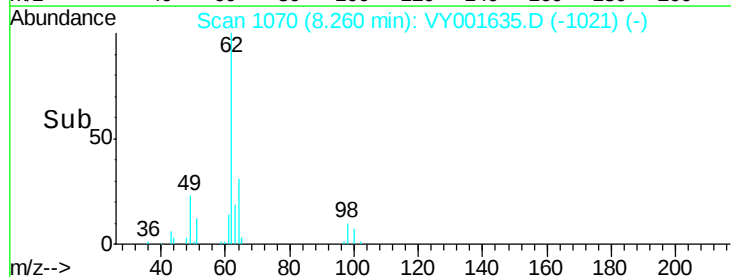
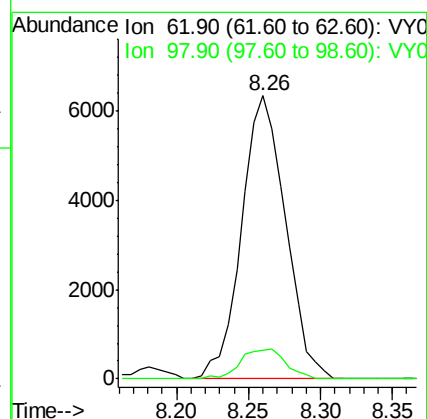
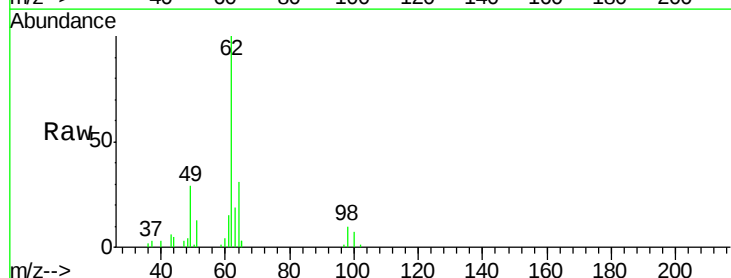
Manual Integrations  
APPROVED

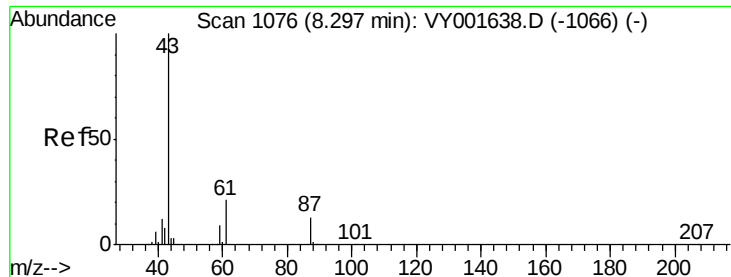
MMDadoda  
2/19/2020 10:49:43 AM



#42  
1,2-Dichloroethane  
Concen: 5.165 ug/l  
RT: 8.26 min Scan# 1070  
Delta R.T. -0.00 min  
Lab File: VY001635.D  
Acq: 17 Feb 2020 10:03

| Tgt Ion | Ion | Ratio | Lower | Upper |
|---------|-----|-------|-------|-------|
| 62      | 62  | 100   |       |       |
| 98      | 98  | 10.9  | 0.0   | 21.4  |





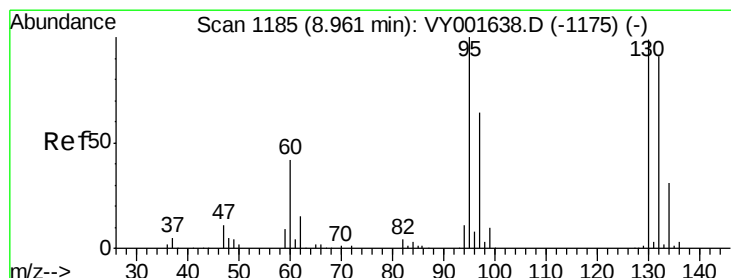
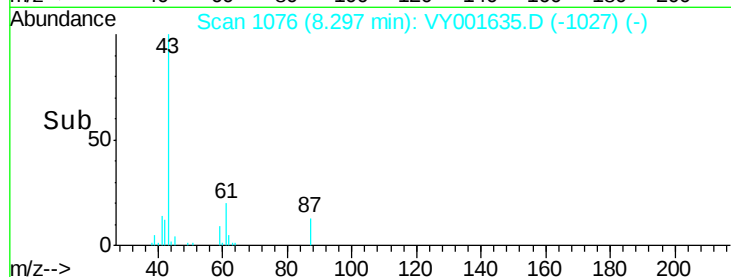
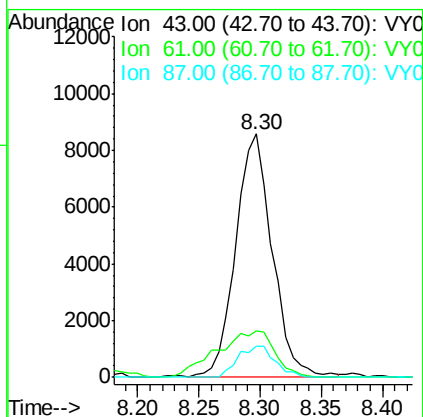
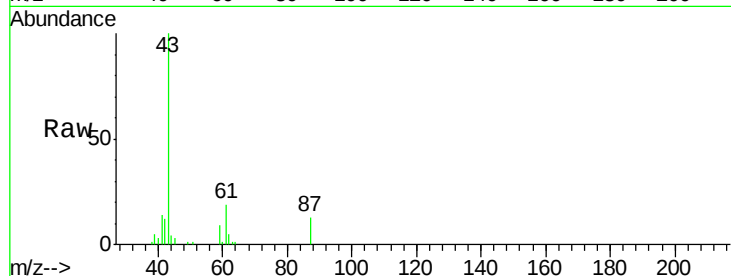
#43  
Isopropyl Acetate  
Concen: 5.479 ug/l  
RT: 8.30 min Scan# 1076  
Delta R.T. -0.00 min  
Lab File: VY001635.D  
Acq: 17 Feb 2020 10:03

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC005

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 30.2  | 23.0  | 34.4  |
| 87      | 12.9  | 10.4  | 15.6  |

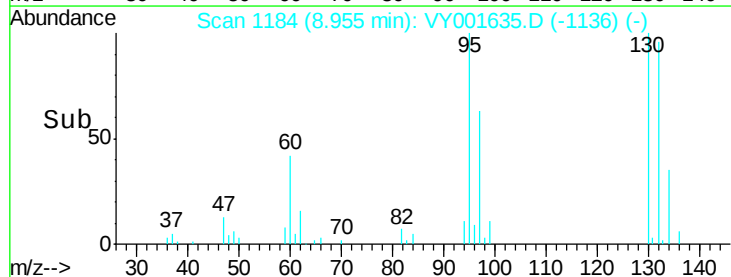
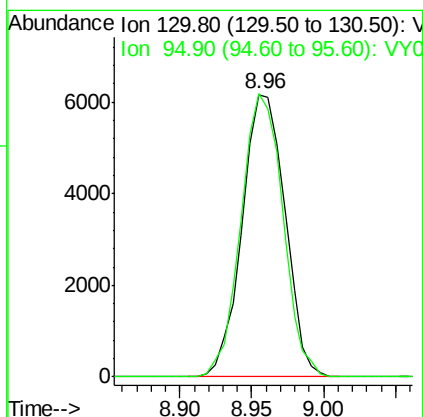
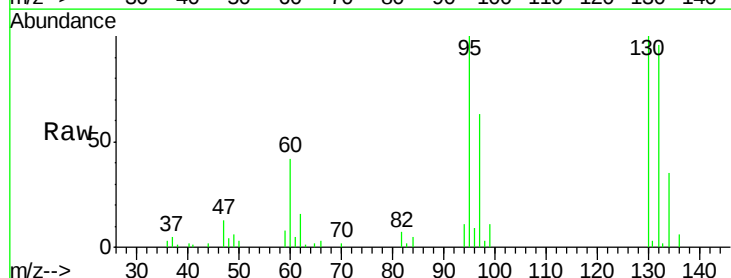
Manual Integrations  
APPROVED

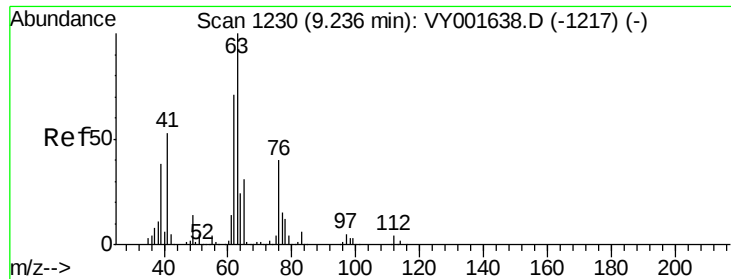
MMDadoda  
2/19/2020 10:49:43 AM



#44  
Trichloroethene  
Concen: 5.135 ug/l  
RT: 8.96 min Scan# 1184  
Delta R.T. -0.01 min  
Lab File: VY001635.D  
Acq: 17 Feb 2020 10:03

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 130     | 100   |       |       |
| 95      | 100.2 | 0.0   | 203.0 |





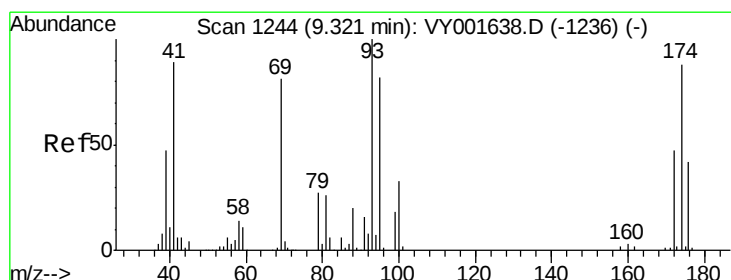
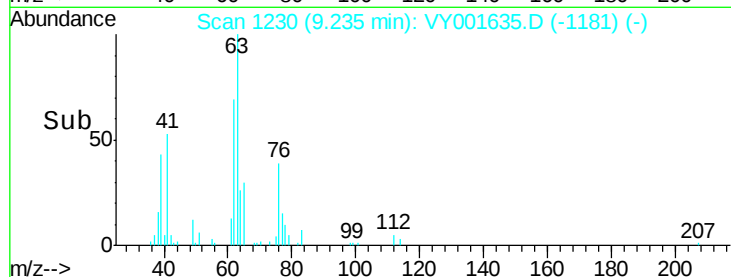
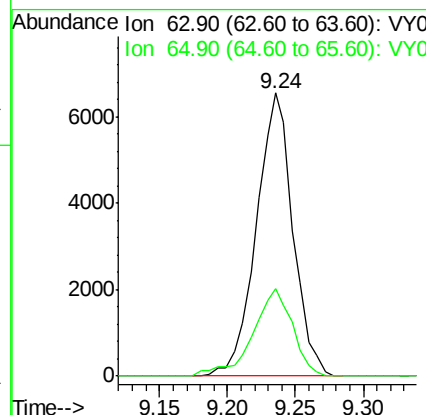
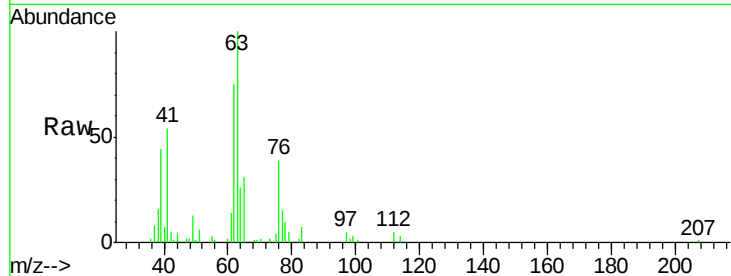
#45  
 1,2-Dichloropropane  
 Concen: 5.442 ug/l  
 RT: 9.24 min Scan# 1230  
 Delta R.T. -0.00 min  
 Lab File: VY001635.D  
 Acq: 17 Feb 2020 10:03

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDIC005

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 65      | 30.9  | 24.6  | 37.0  |

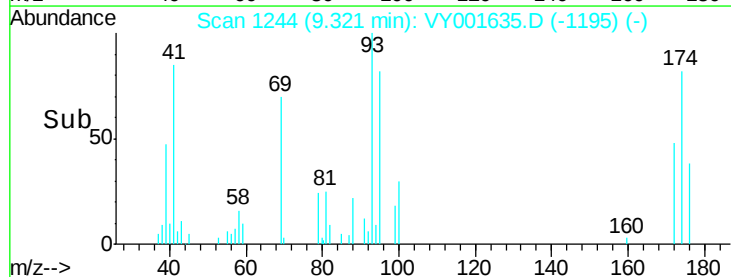
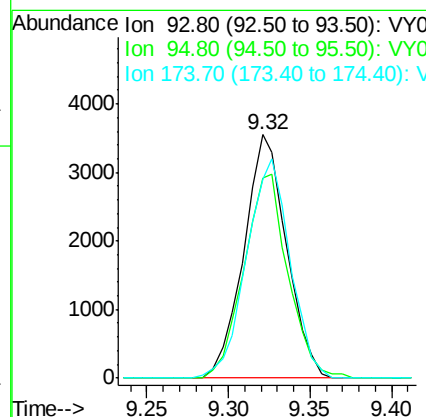
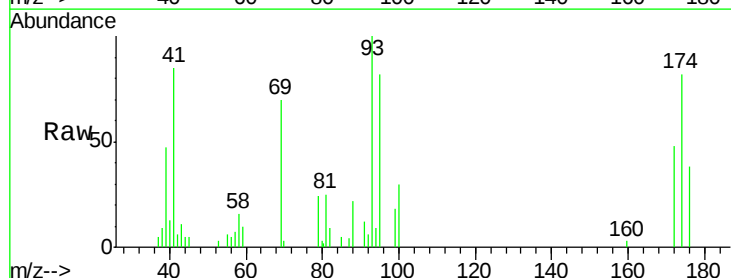
Manual Integrations  
 APPROVED

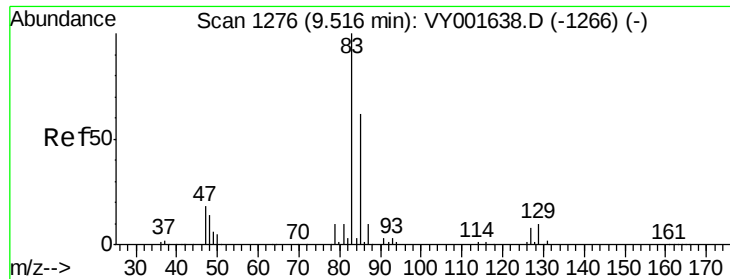
MMDadoda  
 2/19/2020 10:49:43 AM



#46  
 Dibromomethane  
 Concen: 5.142 ug/l  
 RT: 9.32 min Scan# 1244  
 Delta R.T. -0.00 min  
 Lab File: VY001635.D  
 Acq: 17 Feb 2020 10:03

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 95      | 86.5  | 67.3  | 100.9 |
| 174     | 91.8  | 74.1  | 111.1 |





#47

Bromodichloromethane

Concen: 5.145 ug/l

RT: 9.51 min Scan# 1275

Delta R.T. -0.01 min

Lab File: VY001635.D

Acq: 17 Feb 2020 10:03

Instrument :

MSVOA\_Y

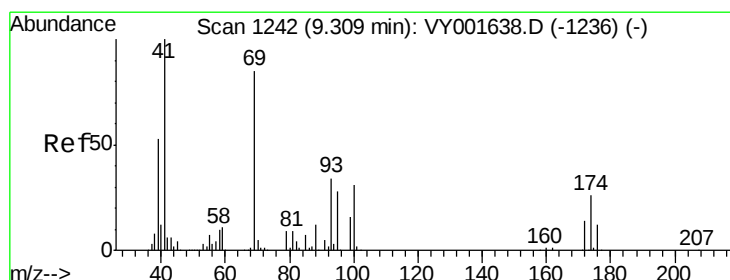
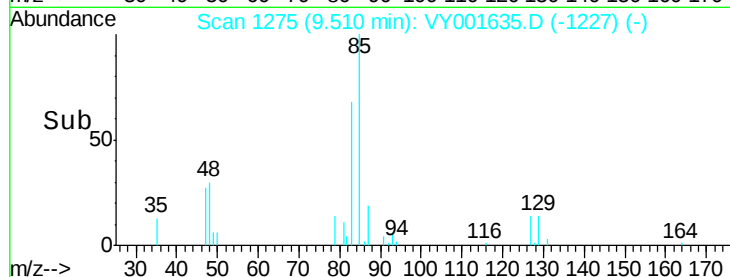
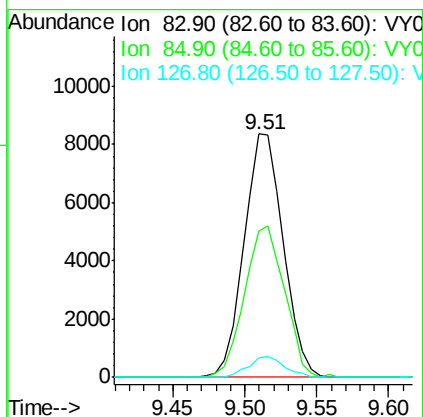
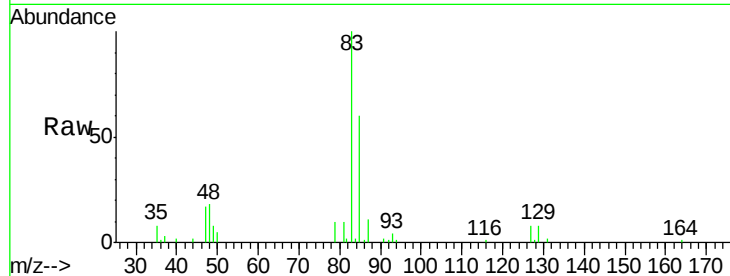
ClientSampleId :

VSTDIC005

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 83    | Resp: | 15712 |
| Ion Ratio | Lower | Upper |       |
| 83        | 100   |       |       |
| 85        | 60.0  | 50.0  | 75.0  |
| 127       | 8.1   | 6.3   | 9.5   |

Manual Integrations  
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MMDadoda  
2/19/2020 10:49:43 AM



#48

Methyl methacrylate

Concen: 5.718 ug/l

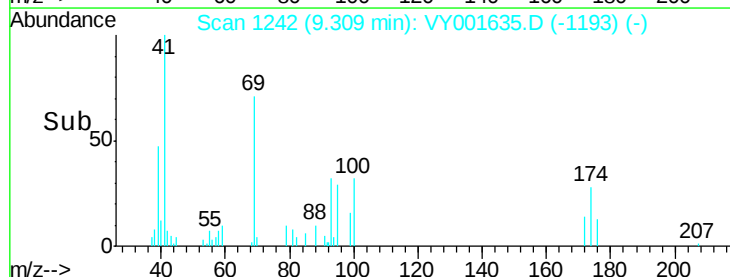
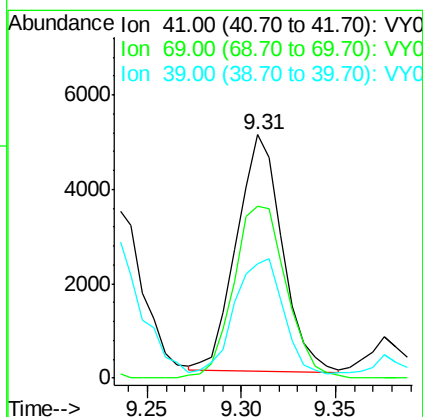
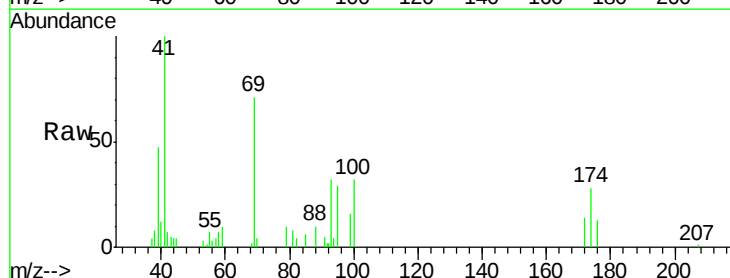
RT: 9.31 min Scan# 1242

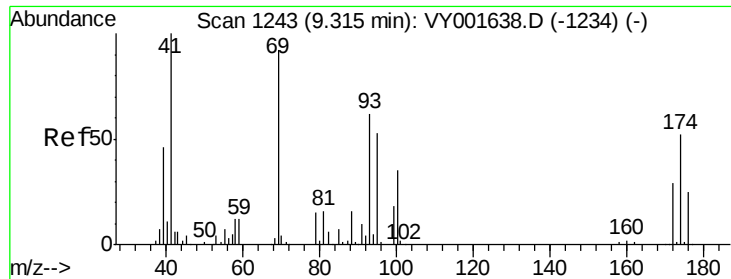
Delta R.T. -0.00 min

Lab File: VY001635.D

Acq: 17 Feb 2020 10:03

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 41    | Resp: | 8419  |
| Ion Ratio | Lower | Upper |       |
| 41        | 100   |       |       |
| 69        | 83.8  | 69.5  | 104.3 |
| 39        | 52.1  | 41.8  | 62.6  |





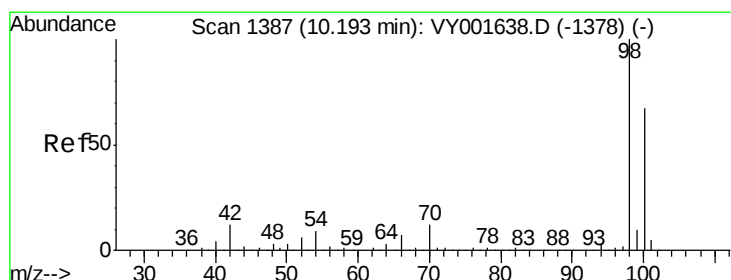
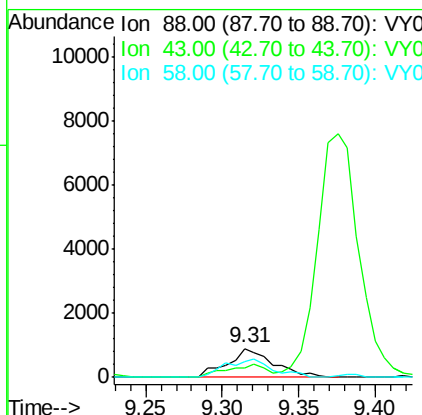
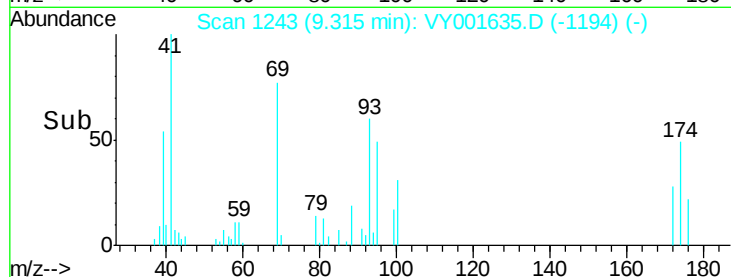
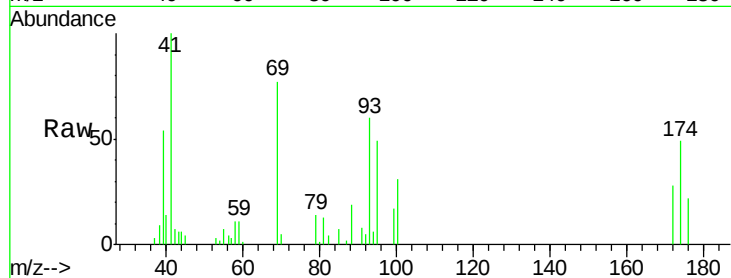
#49  
 1,4-Dioxane  
 Concen: 108.909 ug/l  
 RT: 9.31 min Scan# 1243  
 Delta R.T. -0.00 min  
 Lab File: VY001635.D  
 Acq: 17 Feb 2020 10:03

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDIC005

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 37.8  | 27.6  | 41.4  |
| 58      | 64.4  | 60.4  | 90.6  |

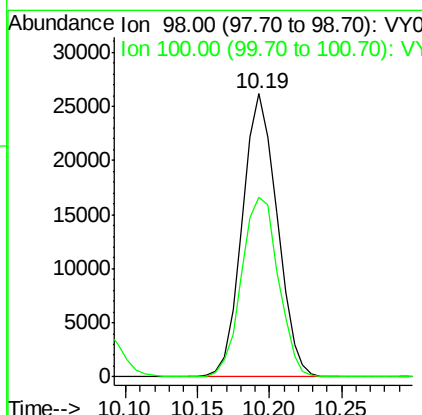
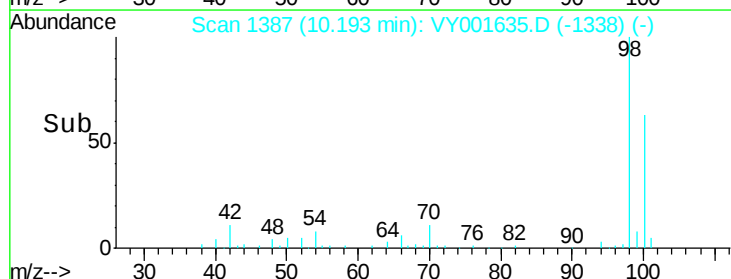
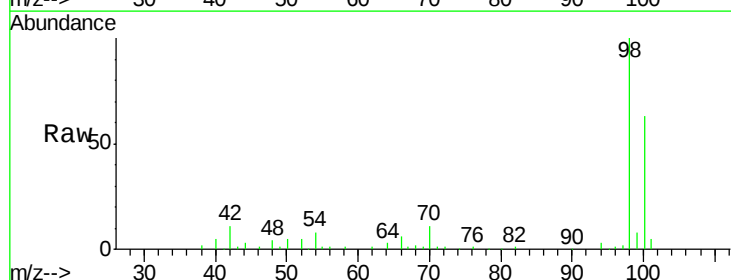
Manual Integrations  
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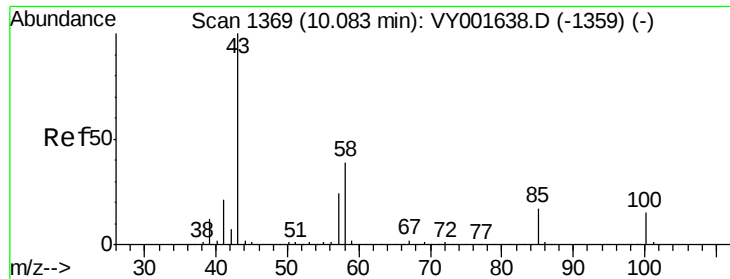
MMDadoda  
 2/19/2020 10:49:43 AM



#50  
 Toluene-d8  
 Concen: 5.698 ug/l  
 RT: 10.19 min Scan# 1387  
 Delta R.T. -0.00 min  
 Lab File: VY001635.D  
 Acq: 17 Feb 2020 10:03

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 66.9  | 53.2  | 79.8  |





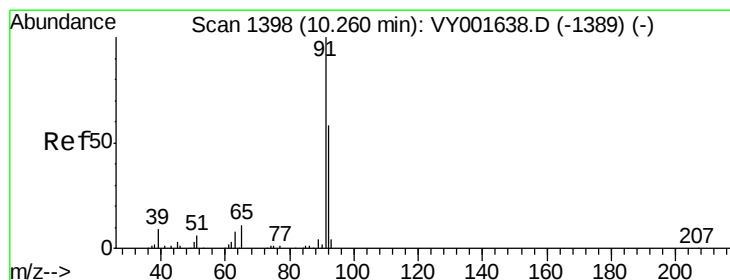
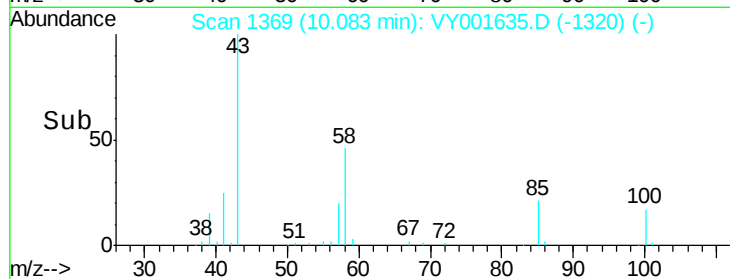
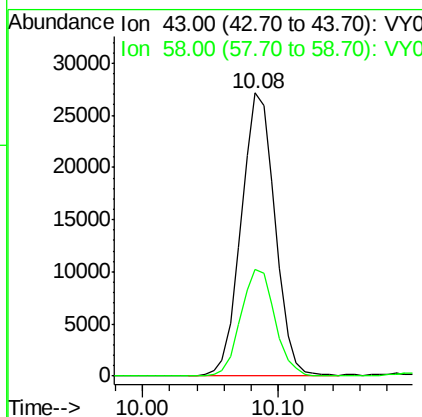
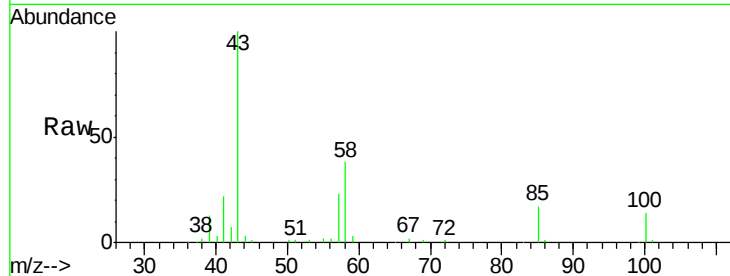
#51  
4-Methyl-2-Pentanone  
Concen: 29.168 ug/l  
RT: 10.08 min Scan# 1369  
Delta R.T. -0.00 min  
Lab File: VY001635.D  
Acq: 17 Feb 2020 10:03

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC005

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 58      | 38.1  | 31.4  | 47.2  |

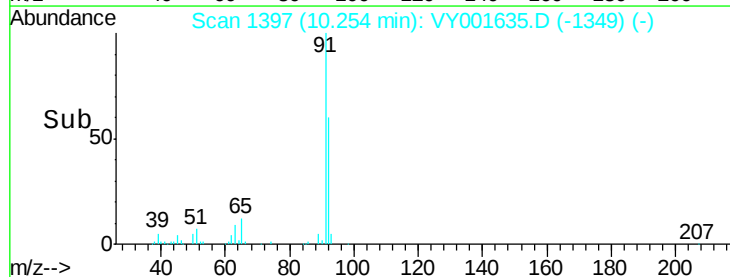
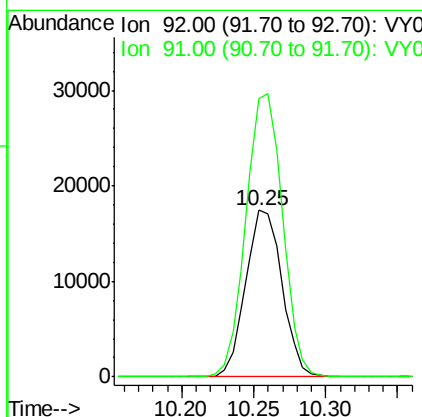
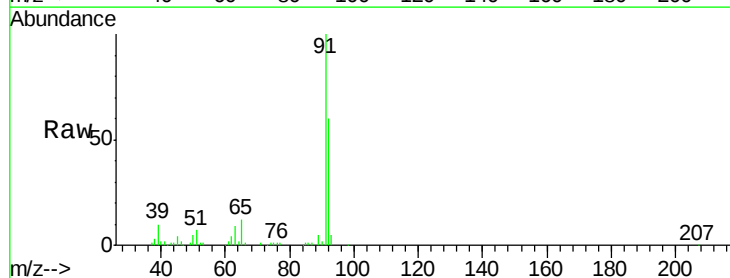
Manual Integrations  
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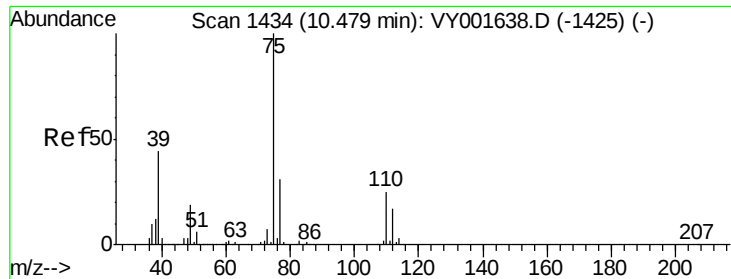
MMDadoda  
2/19/2020 10:49:43 AM



#52  
Toluene  
Concen: 5.154 ug/l  
RT: 10.25 min Scan# 1397  
Delta R.T. -0.01 min  
Lab File: VY001635.D  
Acq: 17 Feb 2020 10:03

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 92      | 100   |       |       |
| 91      | 171.4 | 136.6 | 204.8 |





#53

t-1,3-Dichloropropene

Concen: 4.828 ug/l

RT: 10.48 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VY001635.D

Acq: 17 Feb 2020 10:03

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDIC005

Tot Ion: 75 Resp: 16208

Ion Ratio Lower Upper

75 100

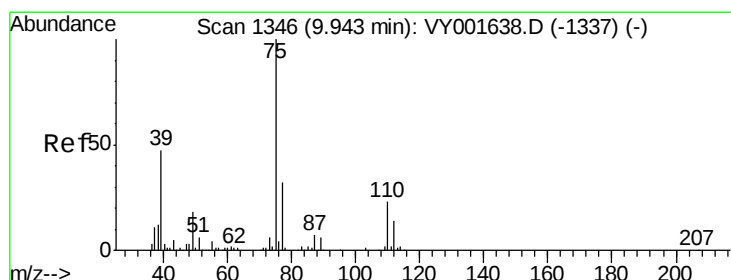
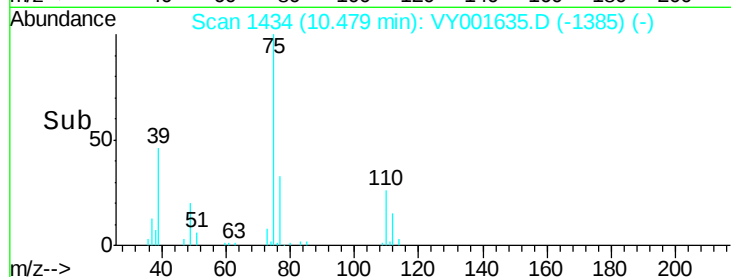
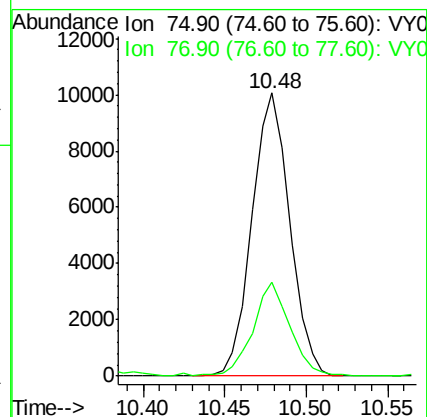
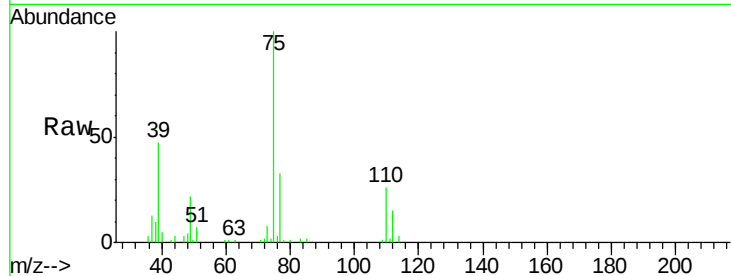
77 33.3 24.6 37.0

Manual Integrations

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MMDadoda

2/19/2020 10:49:43 AM



#54

cis-1,3-Dichloropropene

Concen: 5.041 ug/l

RT: 9.94 min Scan# 1346

Delta R.T. -0.00 min

Lab File: VY001635.D

Acq: 17 Feb 2020 10:03

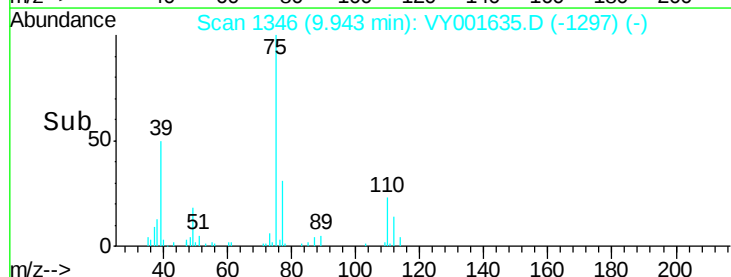
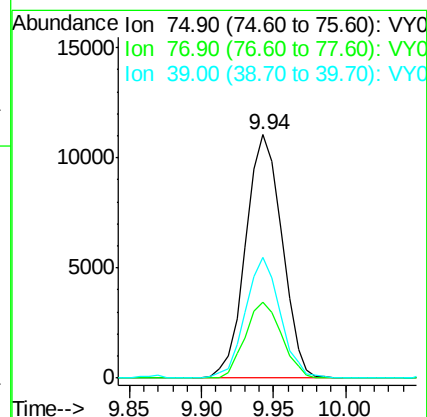
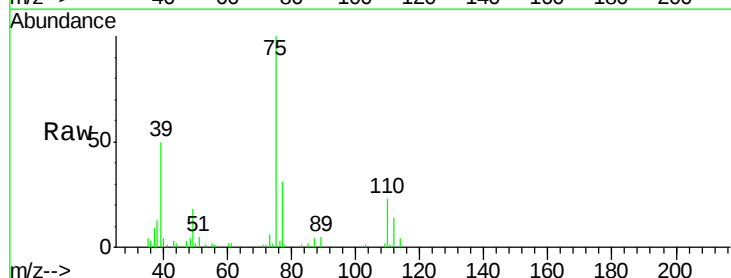
Tgt Ion: 75 Resp: 19318

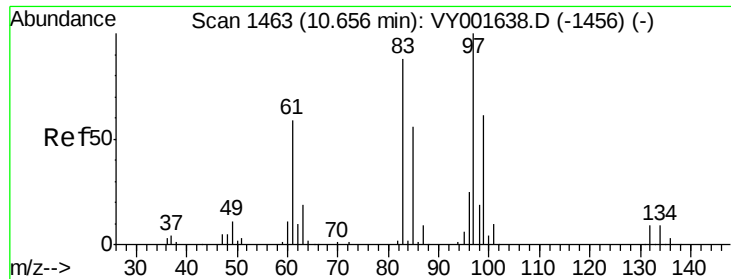
Ion Ratio Lower Upper

75 100

77 31.3 25.9 38.9

39 49.5 37.3 55.9





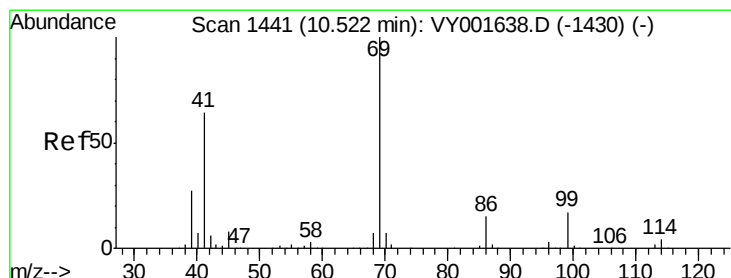
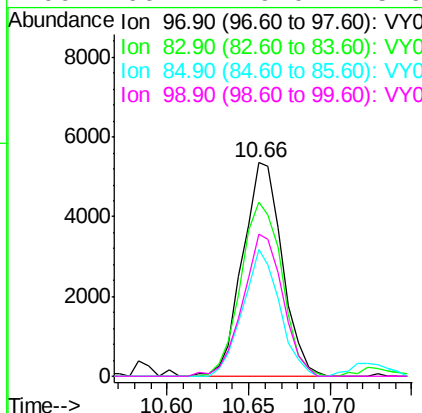
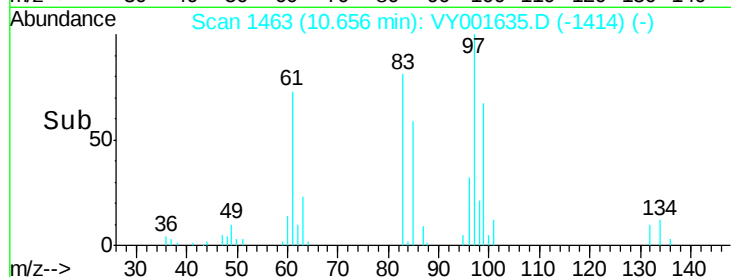
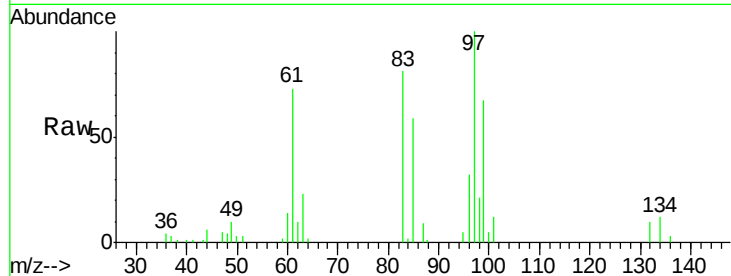
#55  
 1,1,2-Trichloroethane  
 Concen: 4.983 ug/l  
 RT: 10.66 min Scan# 1463  
 Delta R.T. -0.00 min  
 Lab File: VY001635.D  
 Acq: 17 Feb 2020 10:03

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDIC005

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 97    | Resp: | 9062  |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 81.4  | 70.3  | 105.5 |
| 85       | 59.2  | 44.6  | 66.8  |
| 99       | 66.7  | 49.0  | 73.6  |

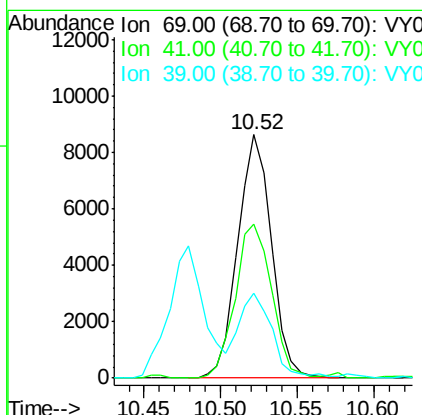
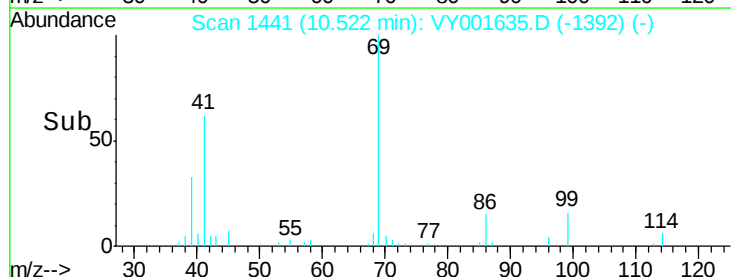
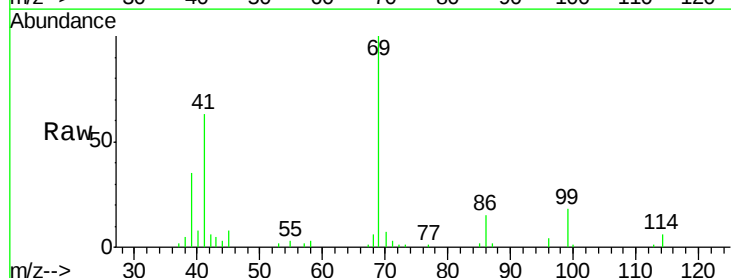
Manual Integrations  
 APPROVED

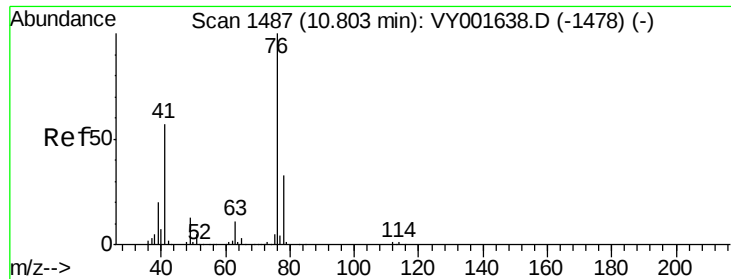
MMDadoda  
 2/19/2020 10:49:43 AM



#56  
 Ethyl methacrylate  
 Concen: 5.031 ug/l  
 RT: 10.52 min Scan# 1441  
 Delta R.T. -0.00 min  
 Lab File: VY001635.D  
 Acq: 17 Feb 2020 10:03

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 69    | Resp: | 13191 |
| Ion      | Ratio | Lower | Upper |
| 69       | 100   |       |       |
| 41       | 68.4  | 51.9  | 77.9  |
| 39       | 34.5  | 26.9  | 40.3  |





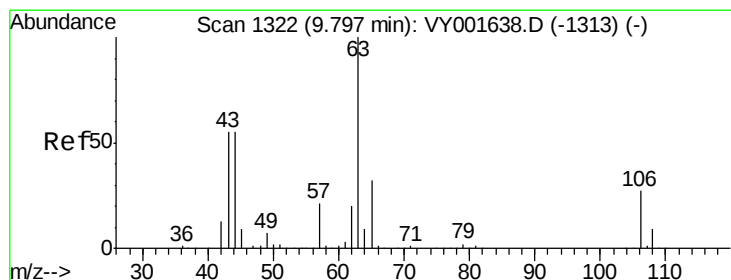
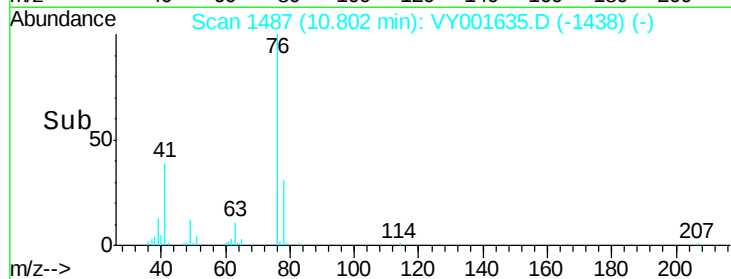
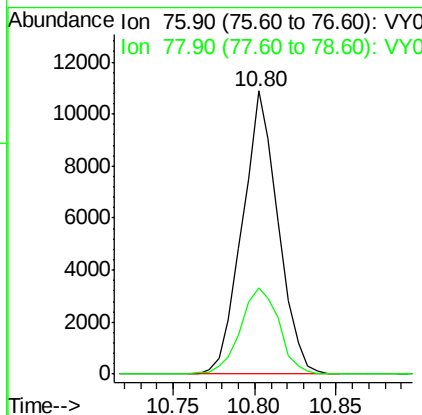
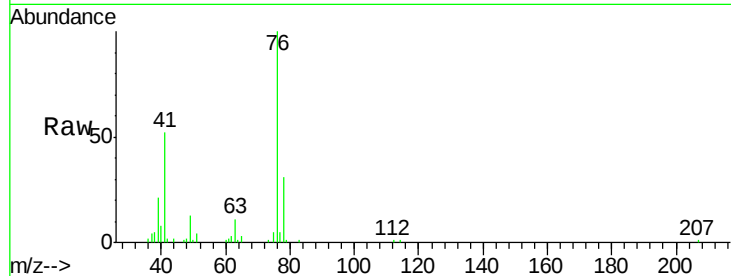
#57  
 1,3-Dichloropropane  
 Concen: 5.173 ug/l  
 RT: 10.80 min Scan# 1487  
 Delta R.T. -0.00 min  
 Lab File: VY001635.D  
 Acq: 17 Feb 2020 10:03

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDIC005

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 32.9  | 25.7  | 38.5  |

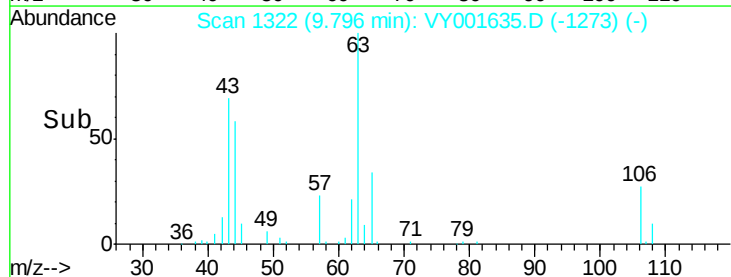
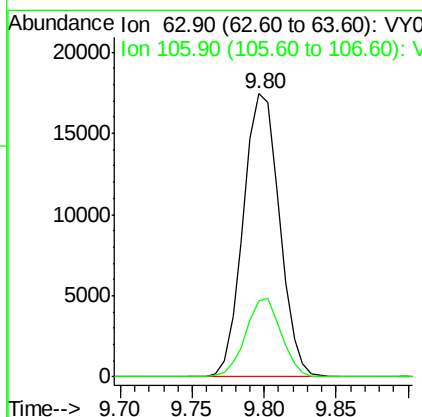
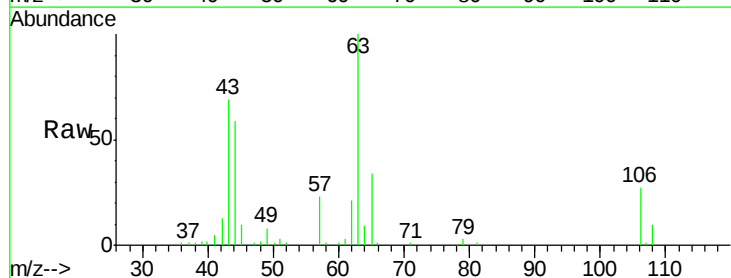
Manual Integrations  
 APPROVED

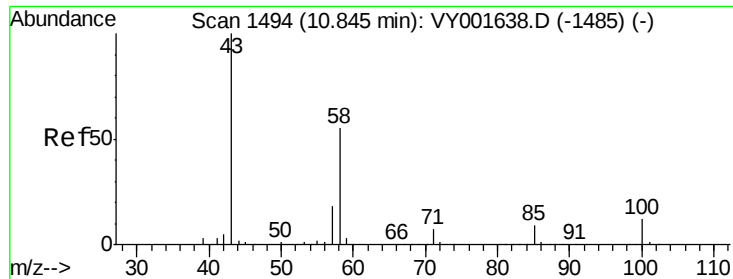
MMDadoda  
 2/19/2020 10:49:43 AM



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 32.072 ug/l  
 RT: 9.80 min Scan# 1322  
 Delta R.T. -0.00 min  
 Lab File: VY001635.D  
 Acq: 17 Feb 2020 10:03

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 106     | 27.0  | 21.5  | 32.3  |





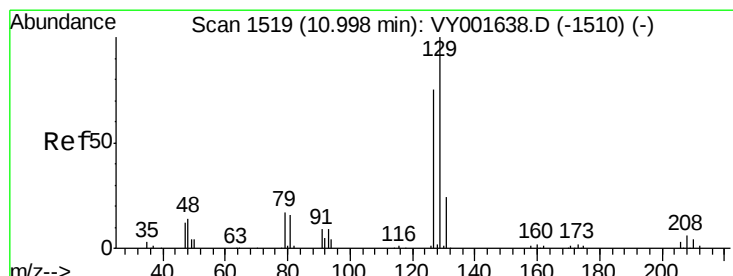
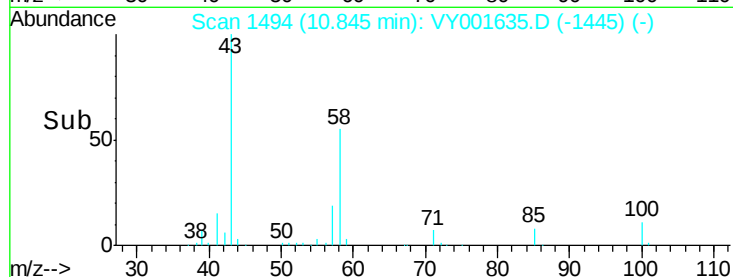
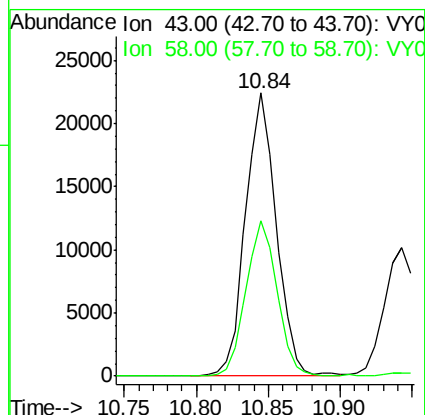
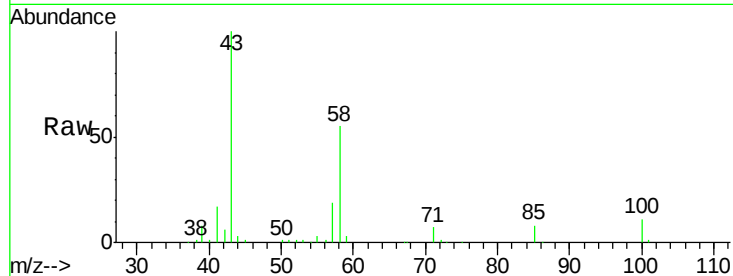
#59  
2-Hexanone  
Concen: 27.834 ug/l  
RT: 10.84 min Scan# 1494  
Delta R.T. -0.00 min  
Lab File: VY001635.D  
Acq: 17 Feb 2020 10:03

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC005

Tot Ion: 43 Resp: 33272  
Ion Ratio Lower Upper  
43 100  
58 55.2 27.8 83.3

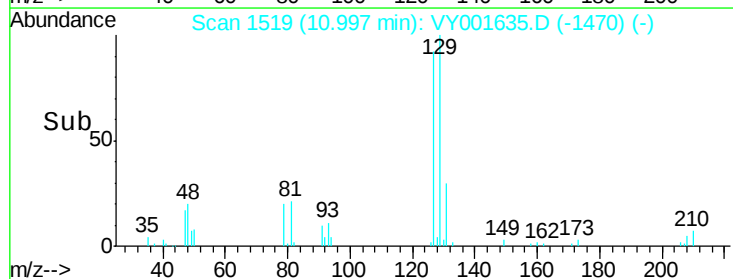
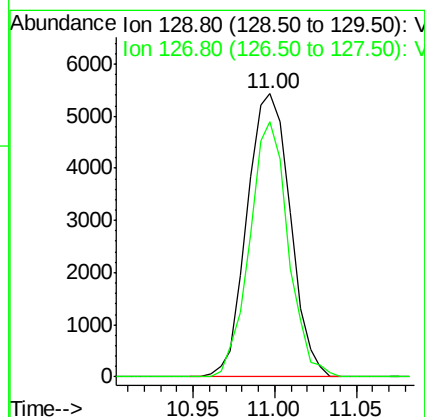
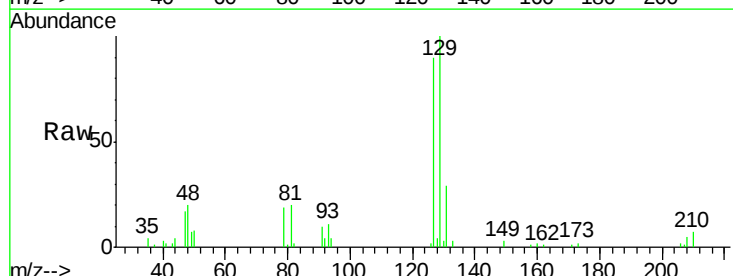
Manual Integrations  
APPROVED

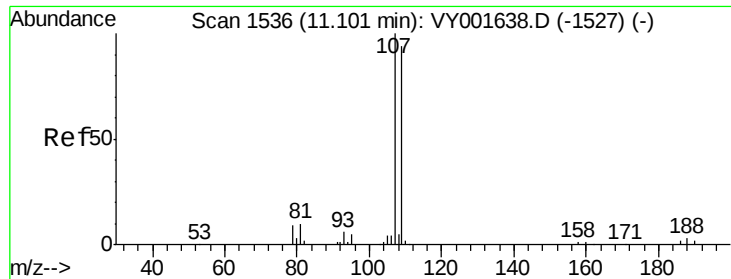
MMDadoda  
2/19/2020 10:49:43 AM



#60  
Dibromochloromethane  
Concen: 4.712 ug/l  
RT: 11.00 min Scan# 1519  
Delta R.T. -0.00 min  
Lab File: VY001635.D  
Acq: 17 Feb 2020 10:03

Tgt Ion: 129 Resp: 9988  
Ion Ratio Lower Upper  
129 100  
127 80.6 38.1 114.5





#61

1,2-Dibromoethane

Concen: 4.800 ug/l

RT: 11.10 min Scan# 1536

Delta R.T. -0.00 min

Lab File: VY001635.D

Acq: 17 Feb 2020 10:03

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDIC005

Tot Ion: 107 Resp: 8549

Ion Ratio Lower Upper

107 100

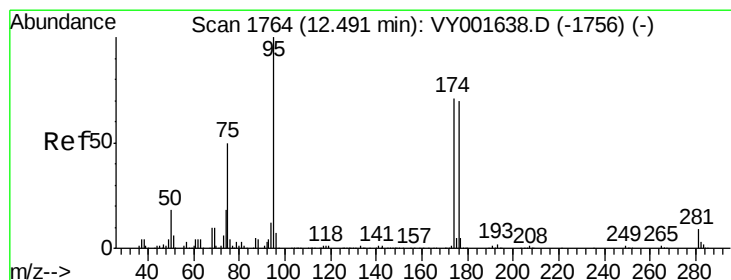
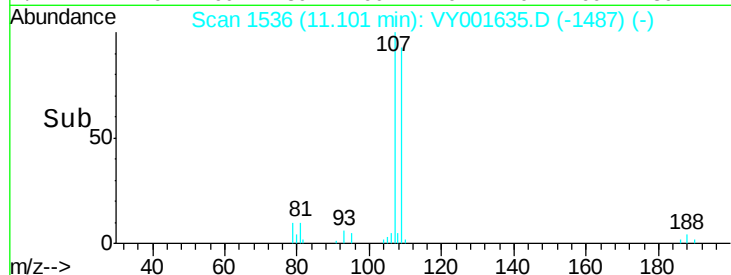
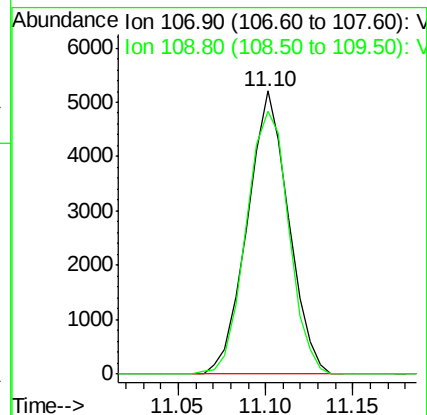
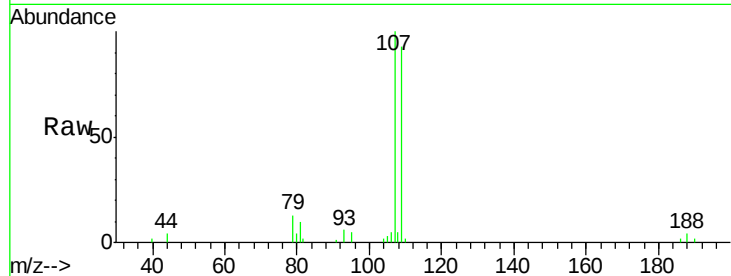
109 95.8 76.0 114.0

Manual Integrations

APPROVED

MMDadoda

2/19/2020 10:49:43 AM



#62

4-Bromofluorobenzene

Concen: 5.262 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. -0.00 min

Lab File: VY001635.D

Acq: 17 Feb 2020 10:03

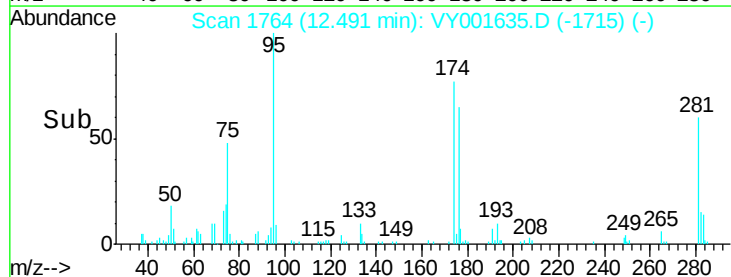
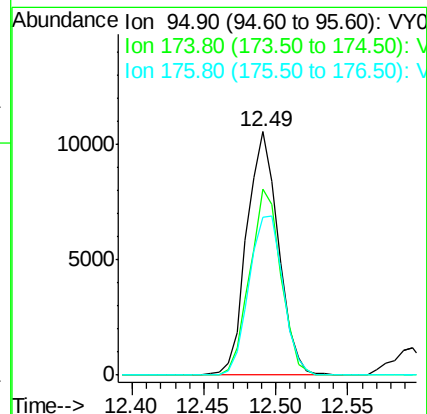
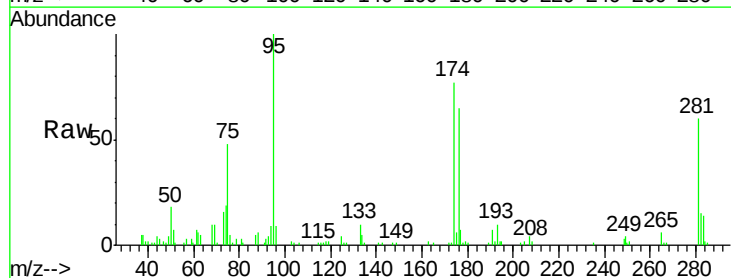
Tgt Ion: 95 Resp: 15979

Ion Ratio Lower Upper

95 100

174 74.8 0.0 144.4

176 70.0 0.0 140.2





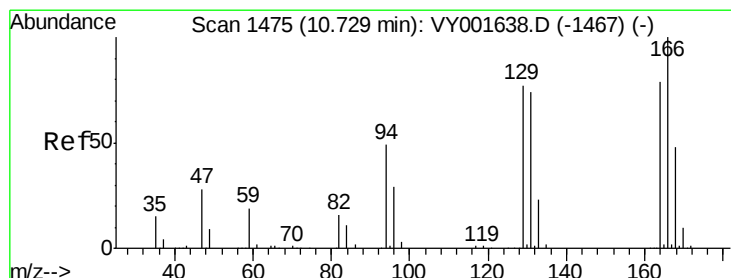
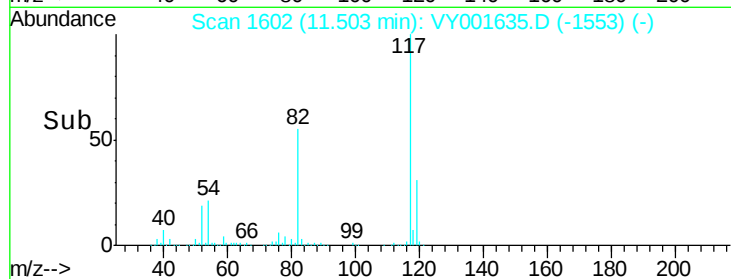
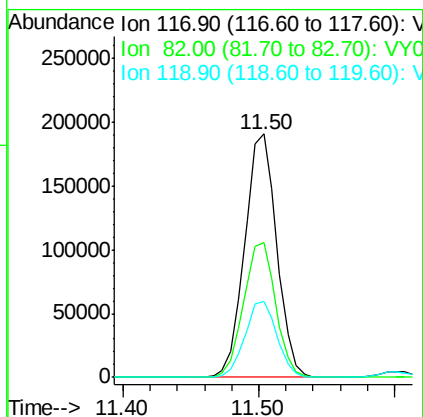
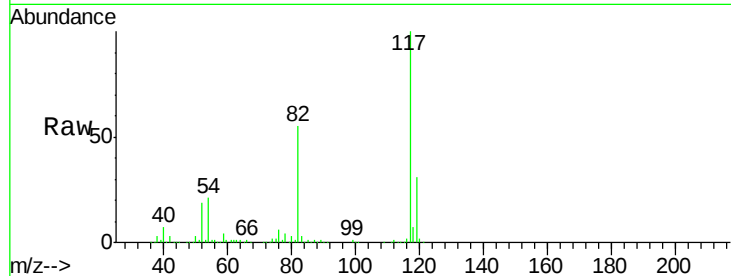
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.50 min Scan# 1602  
Delta R.T. -0.00 min  
Lab File: VY001635.D  
Acq: 17 Feb 2020 10:03

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC005

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 117     | 100   | 314032 |       |       |
| 82      | 55.3  | 44.3   | 66.5  |       |
| 119     | 31.3  | 25.3   | 37.9  |       |

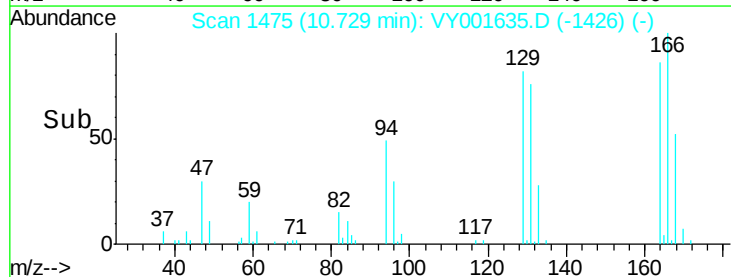
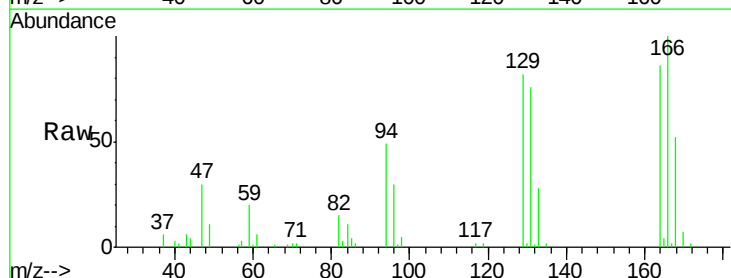
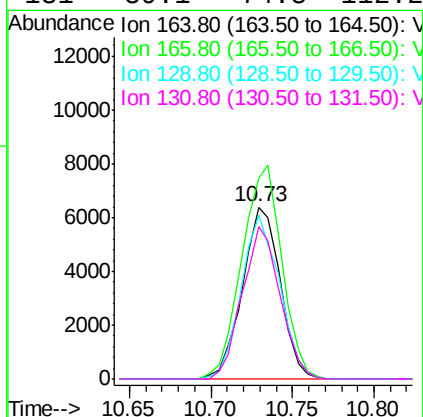
Manual Integrations  
APPROVED

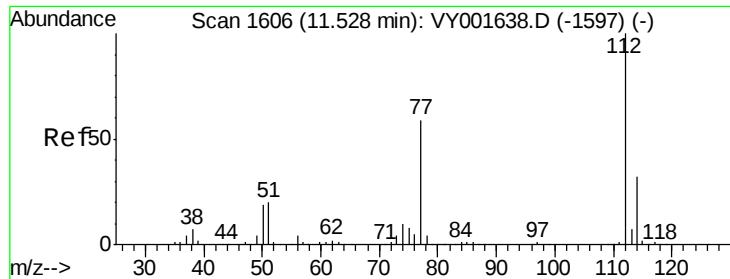
MMDadoda  
2/19/2020 10:49:43 AM



#64  
Tetrachloroethene  
Concen: 5.085 ug/l  
RT: 10.73 min Scan# 1475  
Delta R.T. -0.00 min  
Lab File: VY001635.D  
Acq: 17 Feb 2020 10:03

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 164     | 100   | 10345 |       |       |
| 166     | 116.8 | 101.7 | 152.5 |       |
| 129     | 95.3  | 78.6  | 118.0 |       |
| 131     | 89.1  | 74.8  | 112.2 |       |





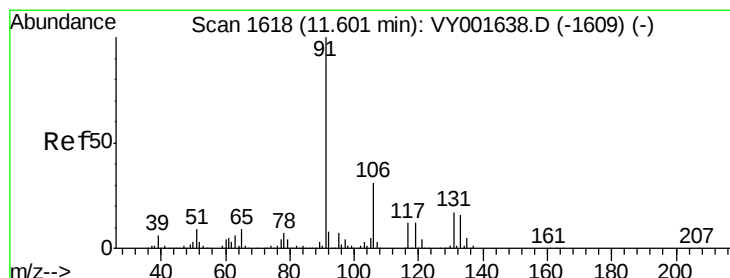
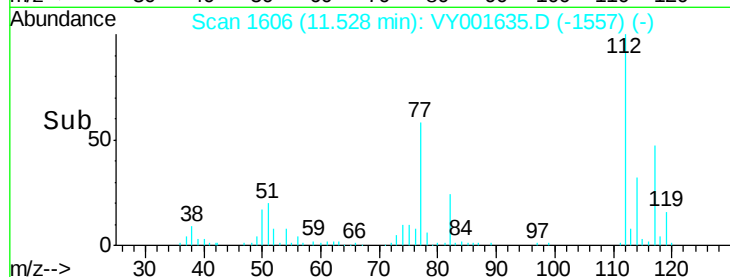
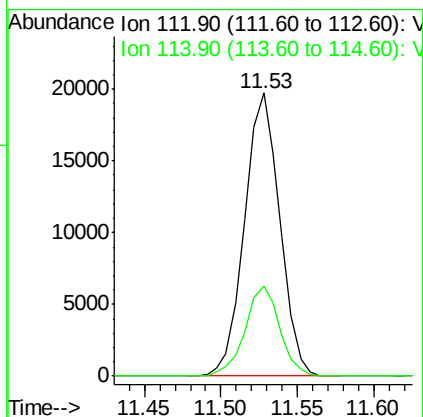
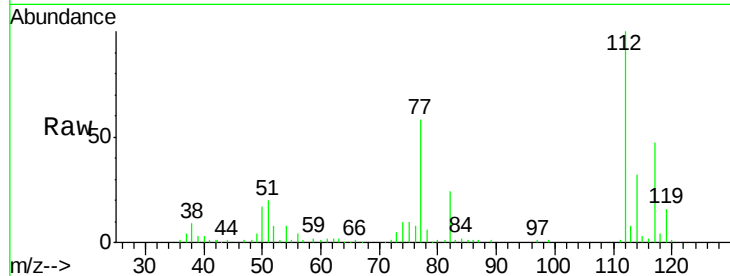
#65  
Chlorobenzene  
Concen: 5.134 ug/l  
RT: 11.53 min Scan# 1606  
Delta R.T. -0.00 min  
Lab File: VY001635.D  
Acq: 17 Feb 2020 10:03

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC005

Tot Ion:112 Resp: 31605  
Ion Ratio Lower Upper  
112 100  
114 31.6 25.7 38.5

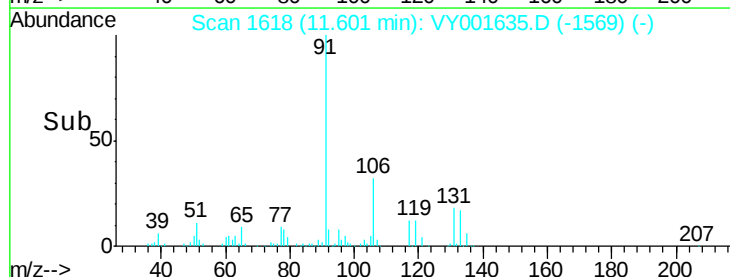
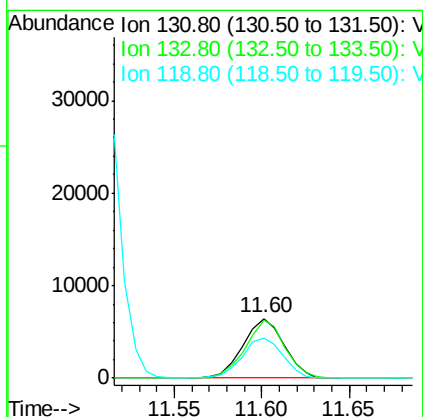
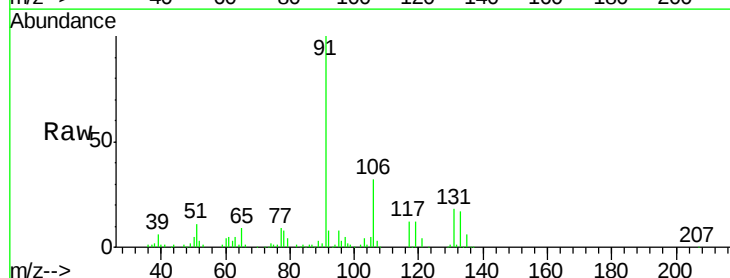
Manual Integrations  
APPROVED

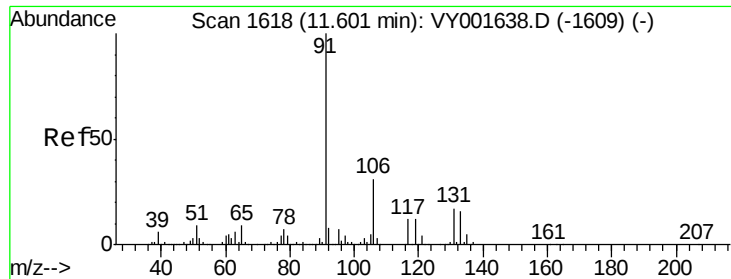
MMDadoda  
2/19/2020 10:49:43 AM



#66  
1,1,1,2-Tetrachloroethane  
Concen: 4.870 ug/l  
RT: 11.60 min Scan# 1618  
Delta R.T. -0.00 min  
Lab File: VY001635.D  
Acq: 17 Feb 2020 10:03

Tgt Ion:131 Resp: 10453  
Ion Ratio Lower Upper  
131 100  
133 93.7 47.4 142.2  
119 67.3 33.9 101.7





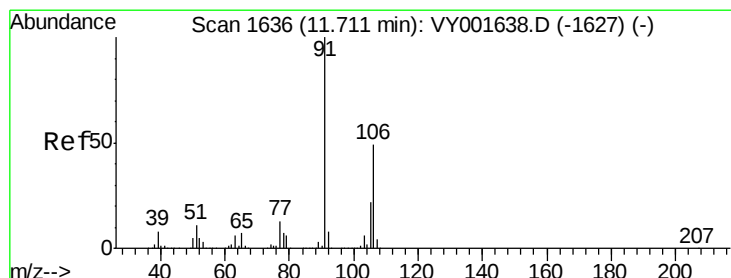
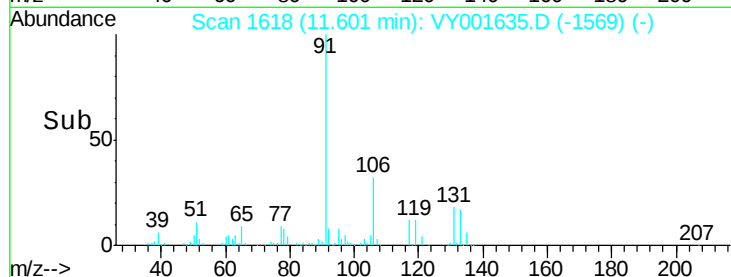
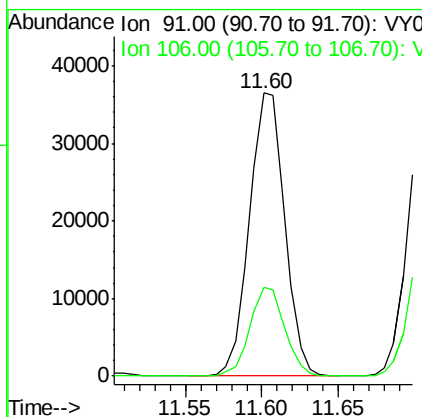
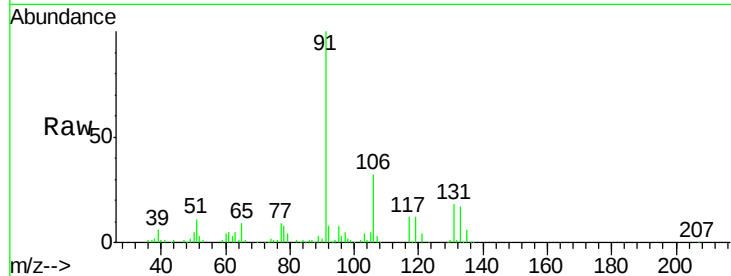
#67  
Ethyl Benzene  
Concen: 5.134 ug/l  
RT: 11.60 min Scan# 1618  
Delta R.T. -0.00 min  
Lab File: VY001635.D  
Acq: 17 Feb 2020 10:03

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC005

Tot Ion: 91 Resp: 58578  
Ion Ratio Lower Upper  
91 100  
106 31.6 25.1 37.7

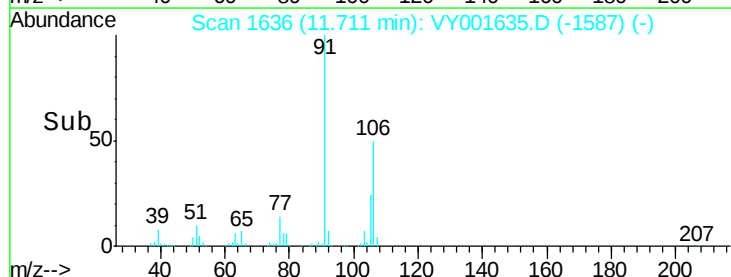
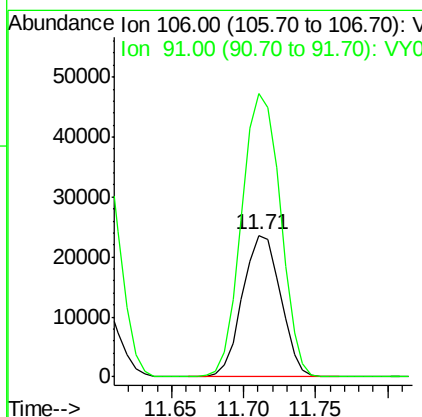
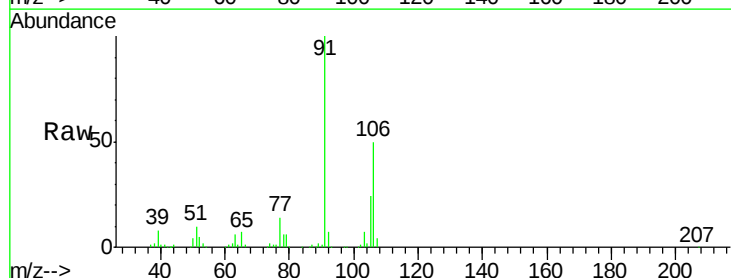
Manual Integrations  
APPROVED

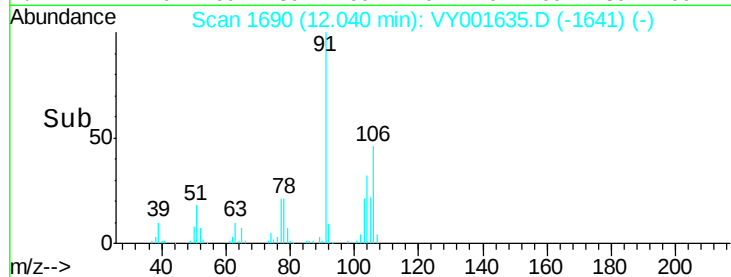
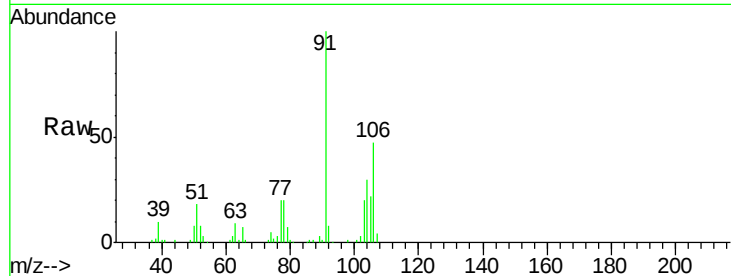
MMDadoda  
2/19/2020 10:49:43 AM



#68  
m/p-Xylenes  
Concen: 10.098 ug/l  
RT: 11.71 min Scan# 1636  
Delta R.T. -0.00 min  
Lab File: VY001635.D  
Acq: 17 Feb 2020 10:03

Tgt Ion: 106 Resp: 43275  
Ion Ratio Lower Upper  
106 100  
91 204.1 161.7 242.5





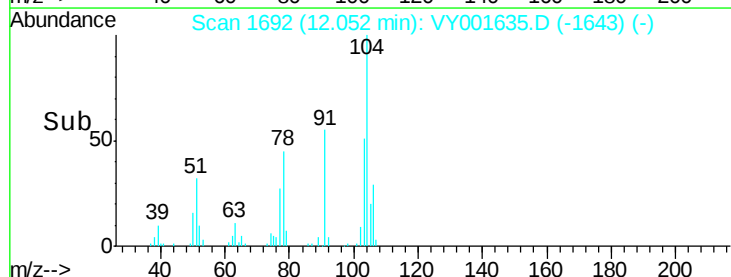
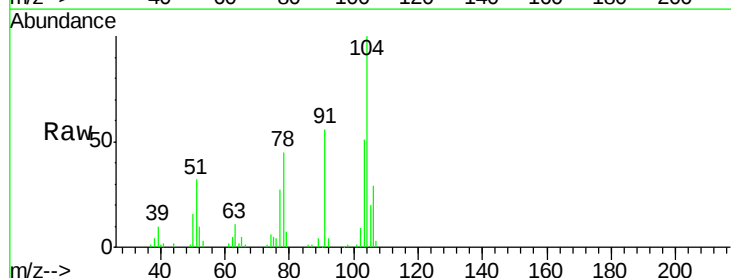
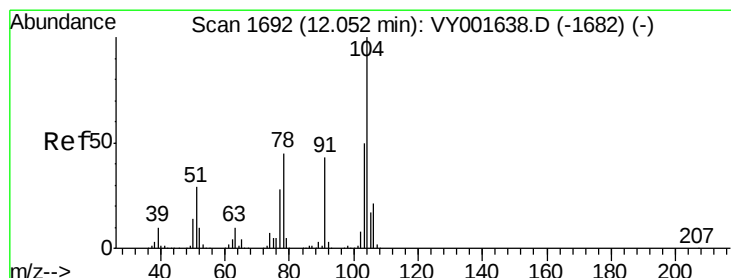
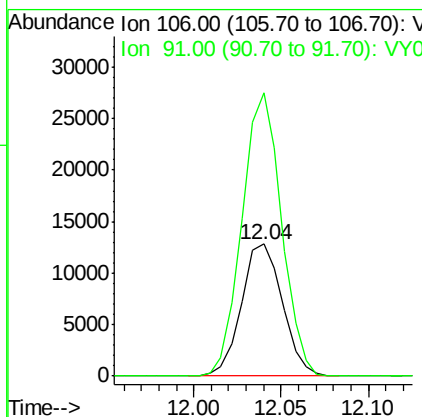
#69  
o-Xylene  
Concen: 5.155 ug/l  
RT: 12.04 min Scan# 1690  
Delta R.T. -0.00 min  
Lab File: VY001635.D  
Acq: 17 Feb 2020 10:03

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 106     | 100   | 20849 |       |       |
| 91      | 206.9 |       | 105.1 | 315.3 |

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC005

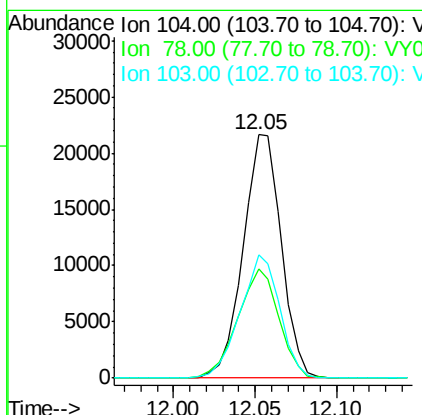
Manual Integrations  
APPROVED

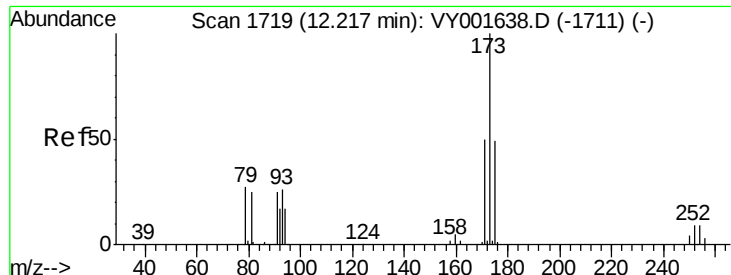
MMDadoda  
2/19/2020 10:49:43 AM



#70  
Styrene  
Concen: 5.021 ug/l  
RT: 12.05 min Scan# 1692  
Delta R.T. -0.00 min  
Lab File: VY001635.D  
Acq: 17 Feb 2020 10:03

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 104     | 100   | 35205 |       |       |
| 78      | 48.4  |       | 39.0  | 58.4  |
| 103     | 52.7  |       | 42.8  | 64.2  |





#71

Bromoform

Concen: 4.621 ug/l

RT: 12.22 min Scan# 1719

Delta R.T. -0.00 min

Lab File: VY001635.D

Acq: 17 Feb 2020 10:03

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDIC005

Tot Ion:173 Resp: 5590

Ion Ratio Lower Upper

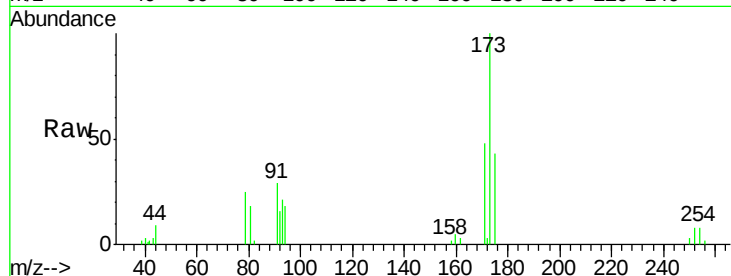
173 100

175 51.1 23.8 71.4

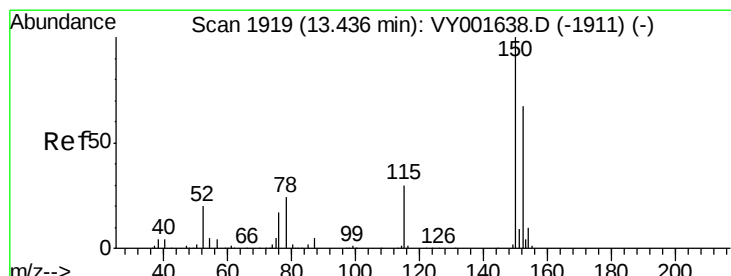
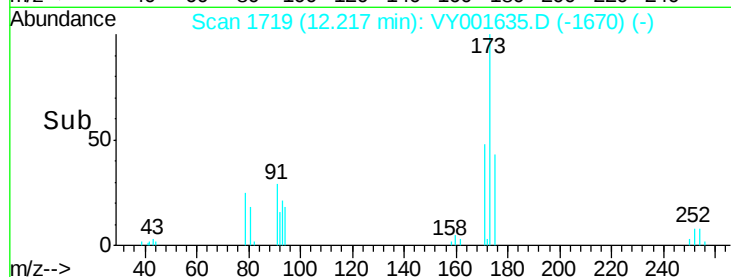
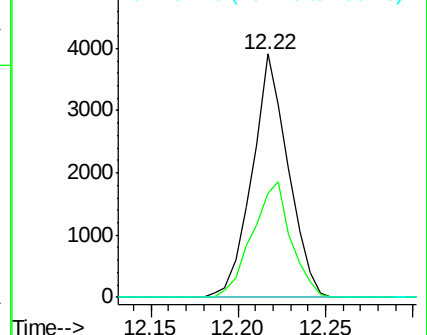
254 0.0 0.0 0.0

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.44 min Scan# 1919

Delta R.T. -0.00 min

Lab File: VY001635.D

Acq: 17 Feb 2020 10:03

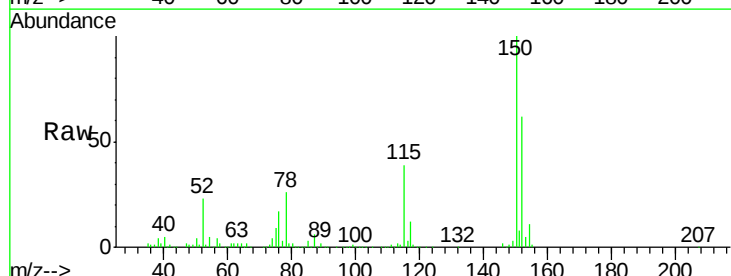
Tgt Ion:152 Resp: 145413

Ion Ratio Lower Upper

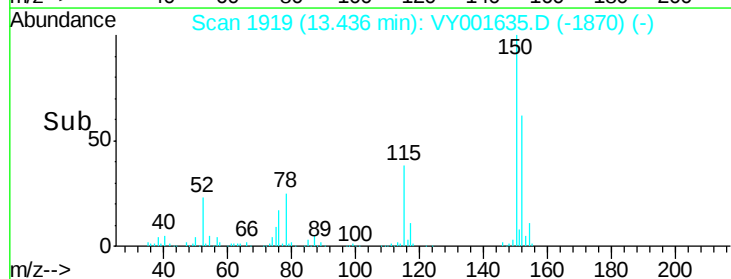
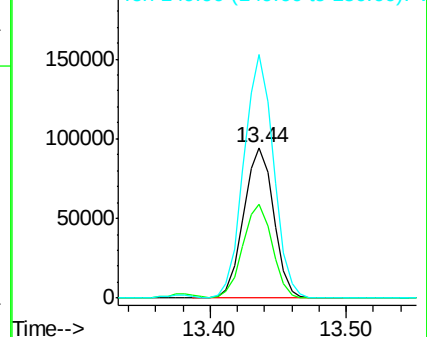
152 100

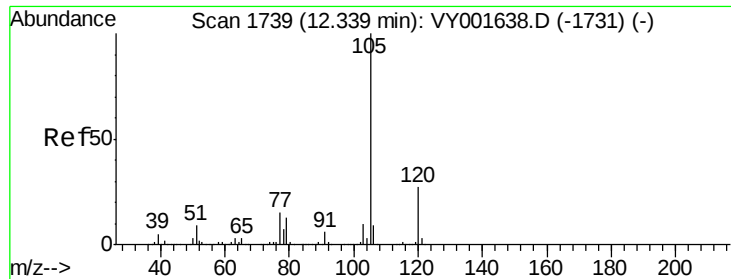
115 61.3 30.9 92.8

150 160.9 0.0 350.0



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





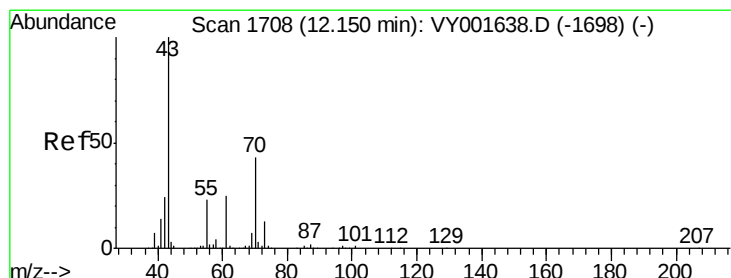
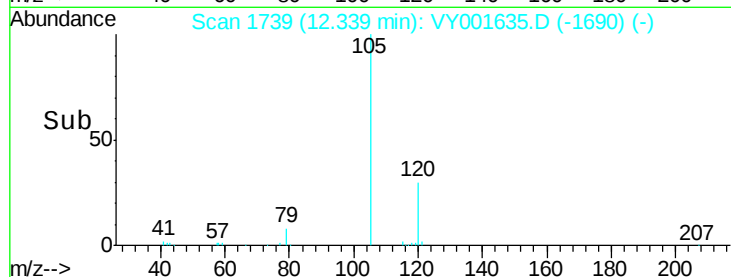
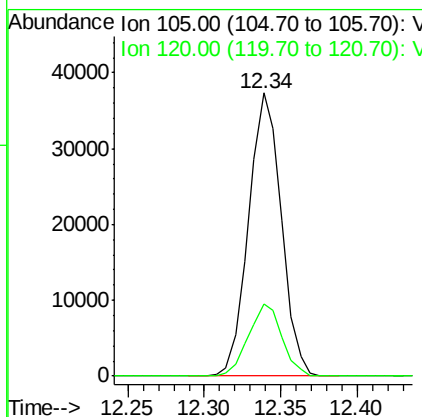
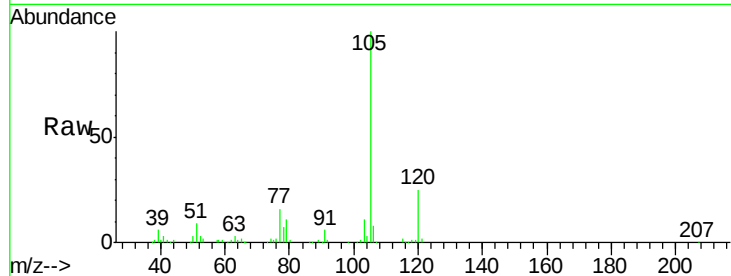
#73  
Isopropylbenzene  
Concen: 5.033 ug/l  
RT: 12.34 min Scan# 1739  
Delta R.T. -0.00 min  
Lab File: VY001635.D  
Acq: 17 Feb 2020 10:03

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC005

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 26.0  | 13.4  | 40.1  |

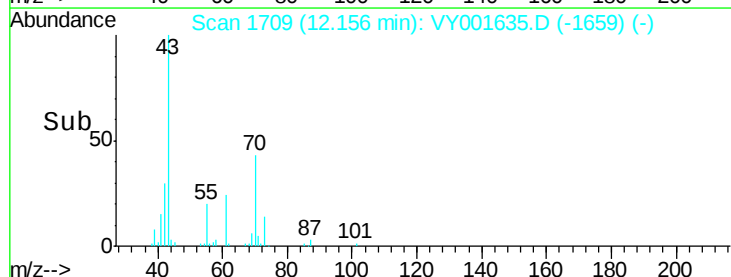
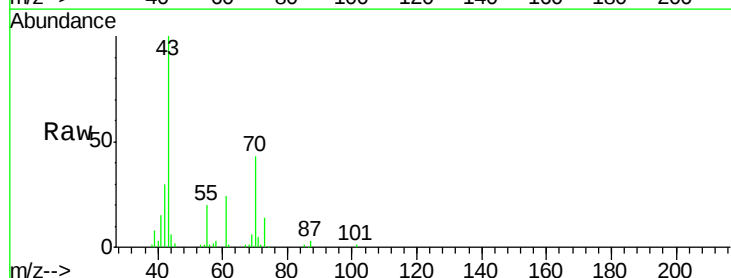
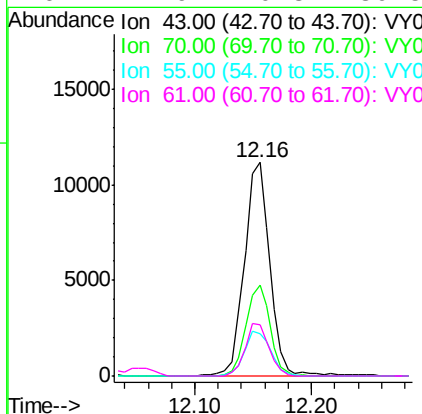
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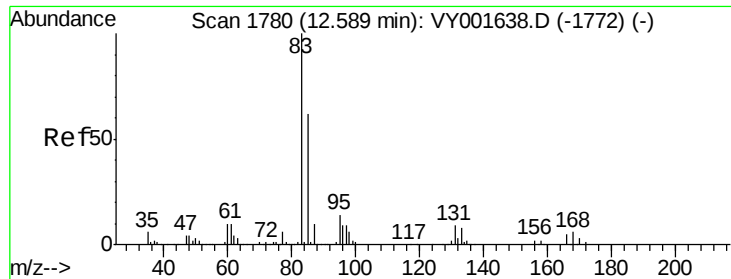
MMDadoda  
2/19/2020 10:49:43 AM



#74  
N-ethyl acetate  
Concen: 5.672 ug/l  
RT: 12.16 min Scan# 1709  
Delta R.T. 0.01 min  
Lab File: VY001635.D  
Acq: 17 Feb 2020 10:03

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 70      | 40.5  | 35.0  | 52.6  |
| 55      | 21.7  | 18.3  | 27.5  |
| 61      | 22.9  | 20.3  | 30.5  |





#75

1,1,2,2-Tetrachloroethane

Concen: 5.210 ug/l

RT: 12.59 min Scan# 1781

Delta R.T. 0.01 min

Lab File: VY001635.D

Acq: 17 Feb 2020 10:03

Instrument :

MSVOA\_Y

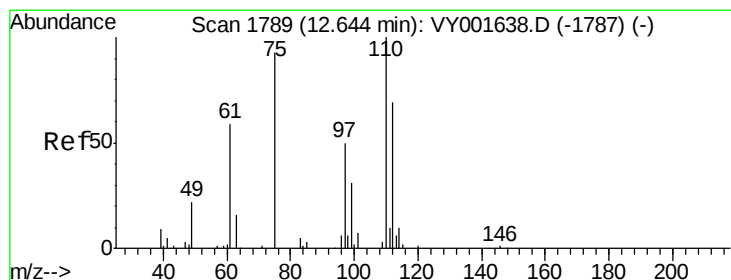
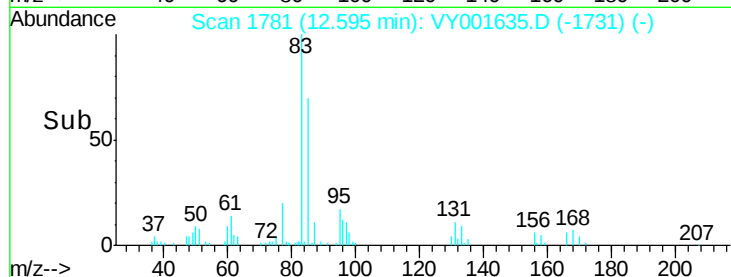
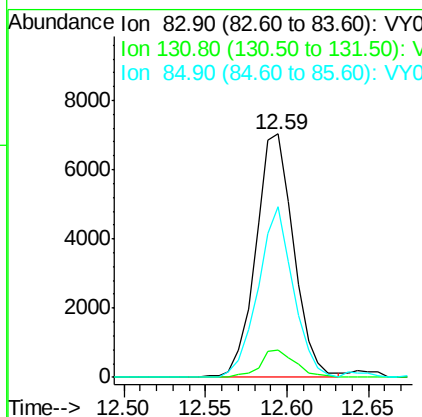
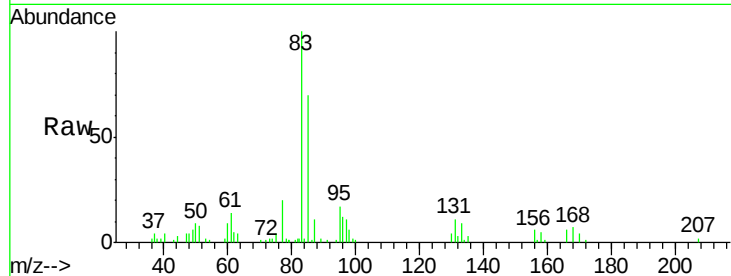
ClientSampleId :

VSTDIC005

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 83    | Resp: | 11287 |
| Ion Ratio | Lower | Upper |       |
| 83        | 100   |       |       |
| 131       | 10.4  | 4.9   | 14.7  |
| 85        | 64.8  | 31.5  | 94.5  |

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#76

1,2,3-Trichloropropane

Concen: 6.112 ug/l m

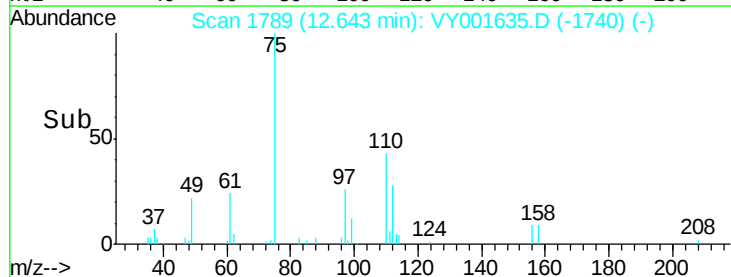
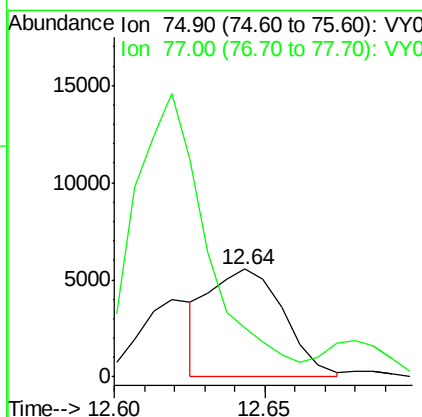
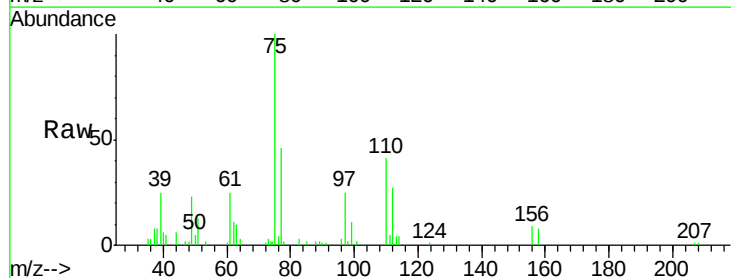
RT: 12.64 min Scan# 1789

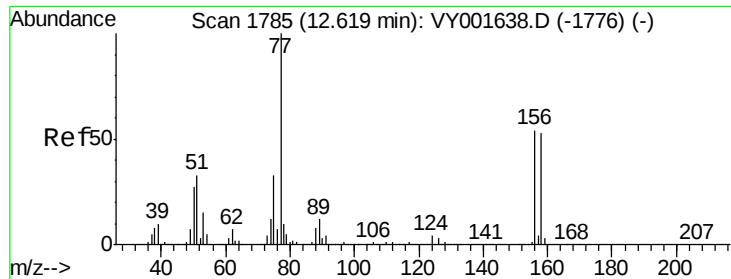
Delta R.T. -0.00 min

Lab File: VY001635.D

Acq: 17 Feb 2020 10:03

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 75    | Resp: | 9526 |
| Ion Ratio | Lower | Upper |      |
| 75        | 100   |       |      |
| 77        | 0.0   | 0.0   | 0.0  |





#77

Bromobenzene

Concen: 5.157 ug/l

RT: 12.62 min Scan# 1785

Delta R.T. -0.00 min

Lab File: VY001635.D

Acq: 17 Feb 2020 10:03

Instrument :

MSVOA\_Y

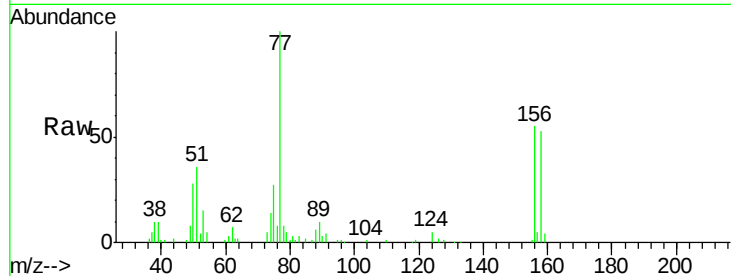
ClientSampleId :

VSTDIC005

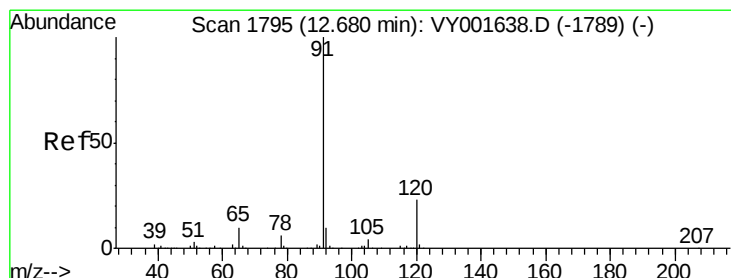
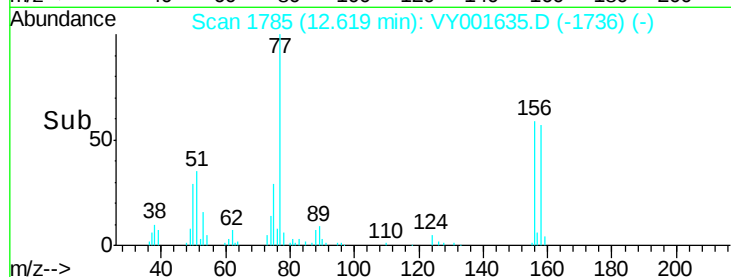
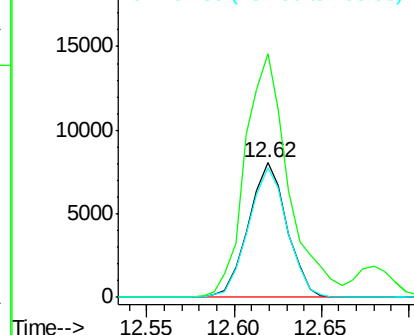
|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 156   | Resp: | 12306 |
| Ion Ratio | Lower | Upper |       |
| 156       | 100   |       |       |
| 77        | 205.1 | 107.8 | 323.4 |
| 158       | 97.1  | 48.6  | 145.9 |

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Abundance Ion 155.80 (155.50 to 156.50): V  
Ion 77.00 (76.70 to 77.70): VY0  
Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 4.990 ug/l

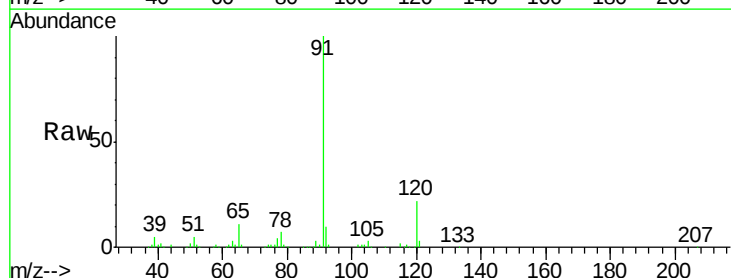
RT: 12.68 min Scan# 1795

Delta R.T. -0.00 min

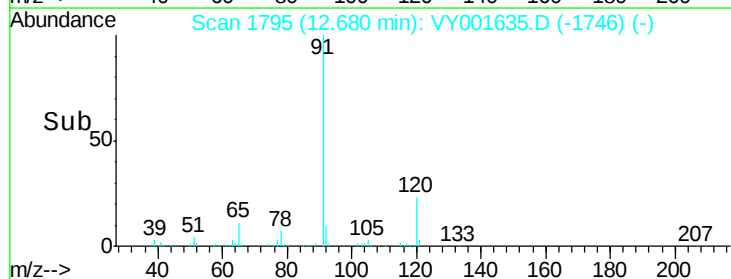
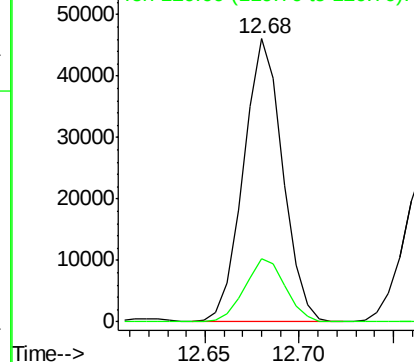
Lab File: VY001635.D

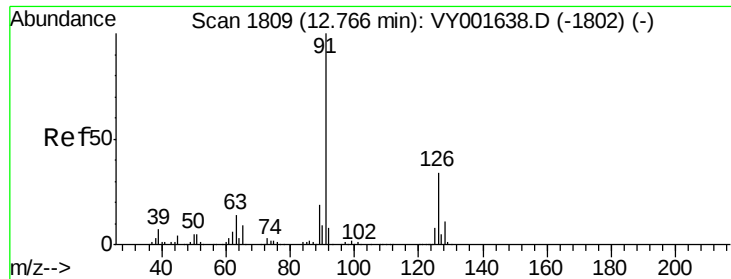
Acq: 17 Feb 2020 10:03

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 91    | Resp: | 66288 |
| Ion Ratio | Lower | Upper |       |
| 91        | 100   |       |       |
| 120       | 23.1  | 11.2  | 33.6  |



Abundance Ion 91.00 (90.70 to 91.70): VY0  
Ion 120.00 (119.70 to 120.70): V





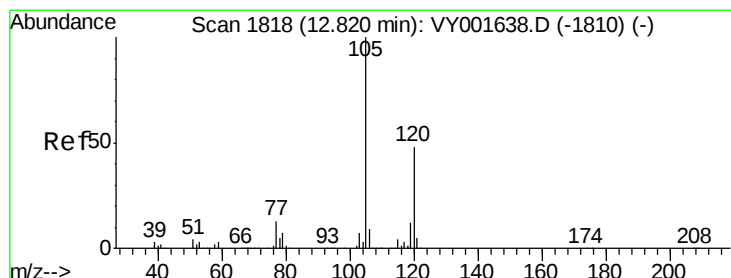
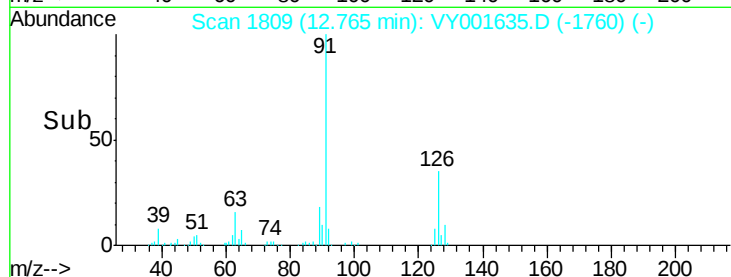
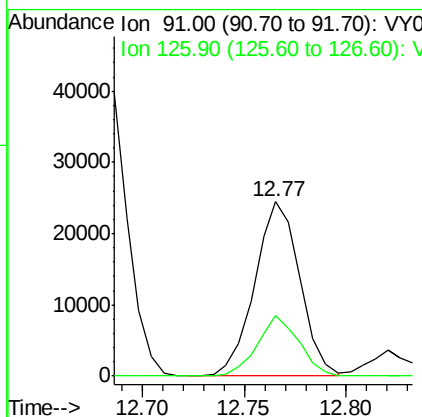
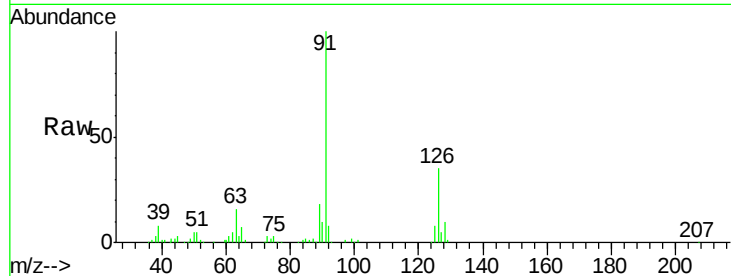
#79  
 2-Chlorotoluene  
 Concen: 4.978 ug/l  
 RT: 12.77 min Scan# 1809  
 Delta R.T. -0.00 min  
 Lab File: VY001635.D  
 Acq: 17 Feb 2020 10:03

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDIC005

Tot Ion: 91 Resp: 37522  
 Ion Ratio Lower Upper  
 91 100  
 126 32.3 16.8 50.4

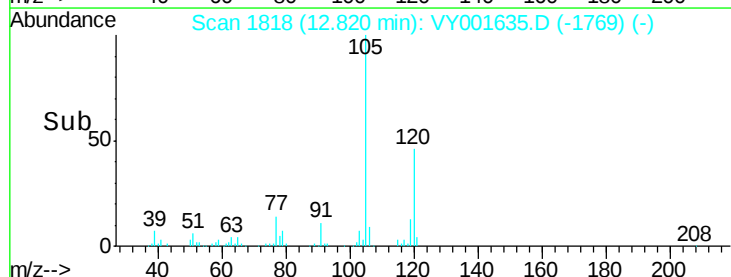
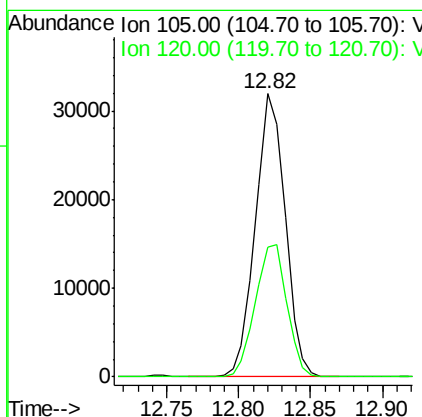
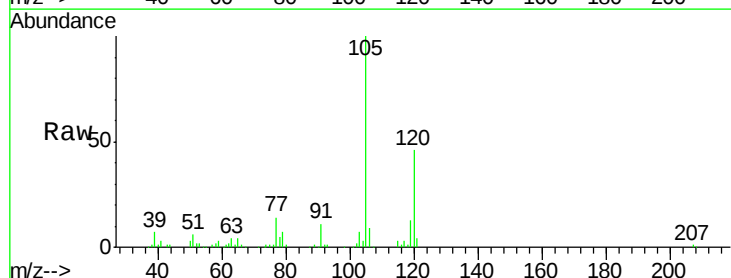
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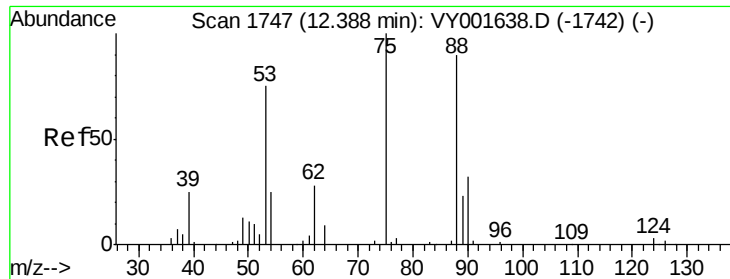
MMDadoda  
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#80  
 1,3,5-Trimethylbenzene  
 Concen: 4.915 ug/l  
 RT: 12.82 min Scan# 1818  
 Delta R.T. -0.00 min  
 Lab File: VY001635.D  
 Acq: 17 Feb 2020 10:03

Tgt Ion: 105 Resp: 45672  
 Ion Ratio Lower Upper  
 105 100  
 120 49.4 24.1 72.2





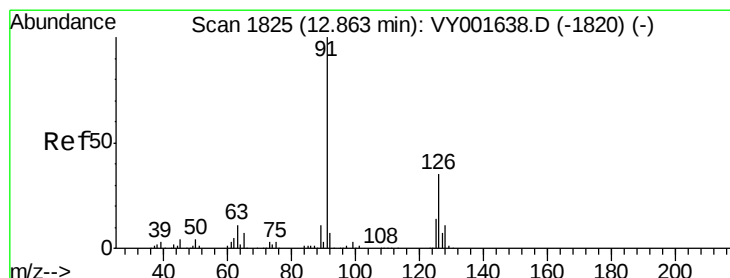
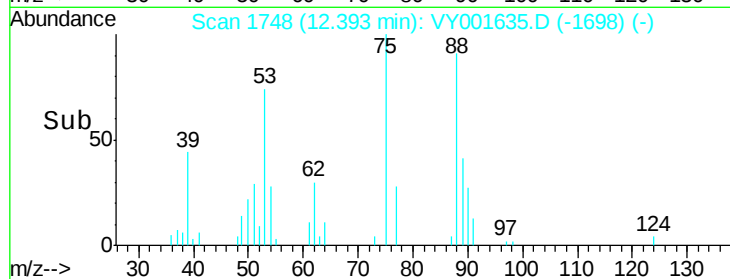
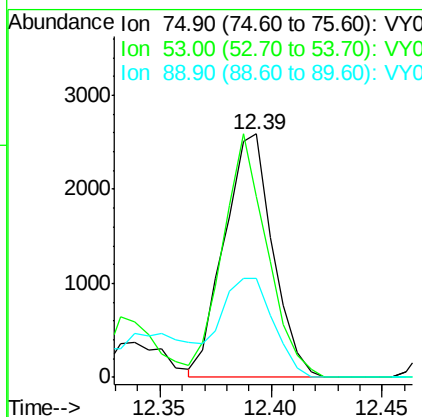
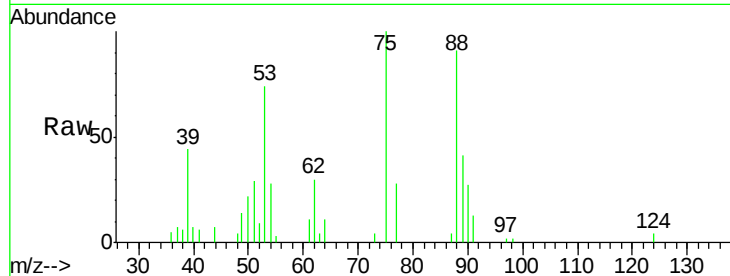
#81  
trans-1,4-Dichloro-2-butene  
Concen: 4.713 ug/l  
RT: 12.39 min Scan# 1748  
Delta R.T. 0.01 min  
Lab File: VY001635.D  
Acq: 17 Feb 2020 10:03

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC005

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 53      | 91.3  | 63.4  | 95.0  |
| 89      | 43.3  | 33.0  | 49.4  |

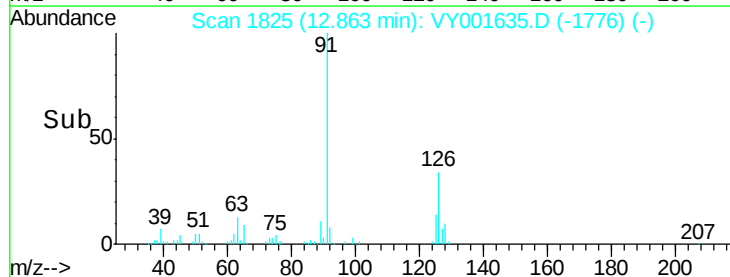
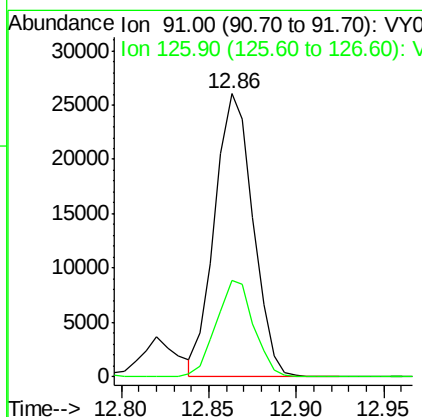
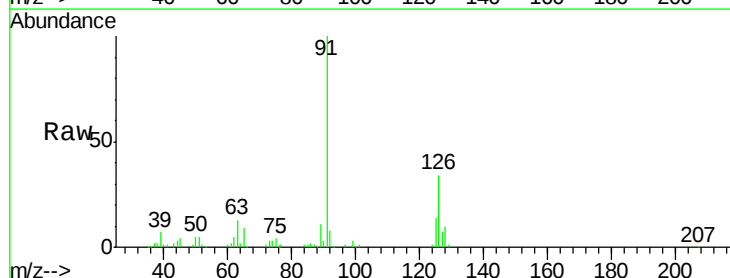
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#82  
4-Chlorotoluene  
Concen: 4.996 ug/l  
RT: 12.86 min Scan# 1825  
Delta R.T. -0.00 min  
Lab File: VY001635.D  
Acq: 17 Feb 2020 10:03

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 126     | 33.4  | 16.3  | 48.8  |





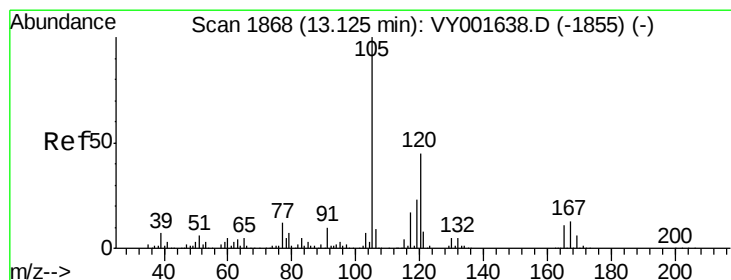
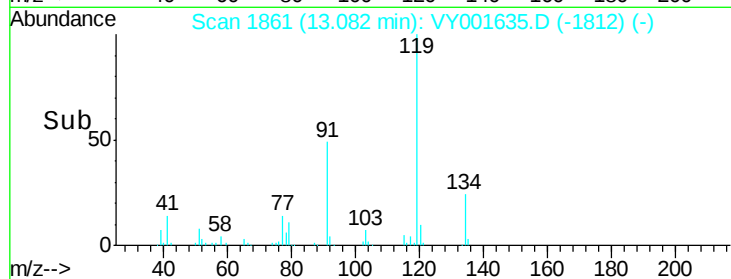
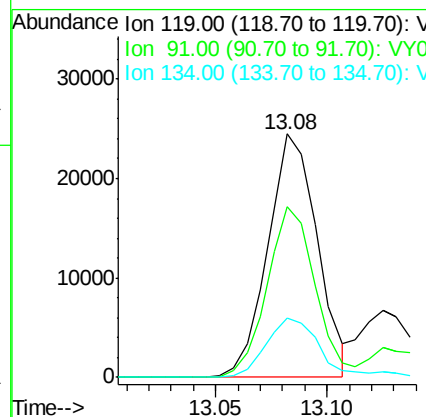
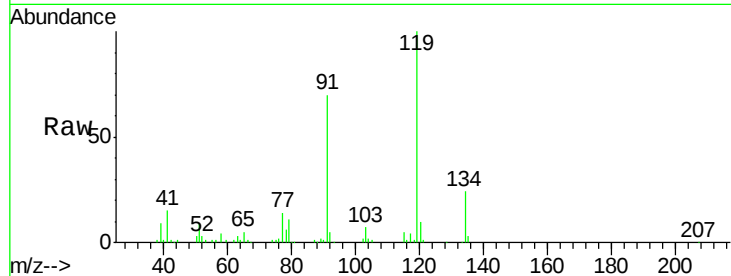
#83  
tert-Butylbenzene  
Concen: 4.819 ug/l  
RT: 13.08 min Scan# 1861  
Delta R.T. -0.00 min  
Lab File: VY001635.D  
Acq: 17 Feb 2020 10:03

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC005

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 91      | 68.6  | 33.1  | 99.5  |
| 134     | 26.9  | 13.0  | 39.0  |

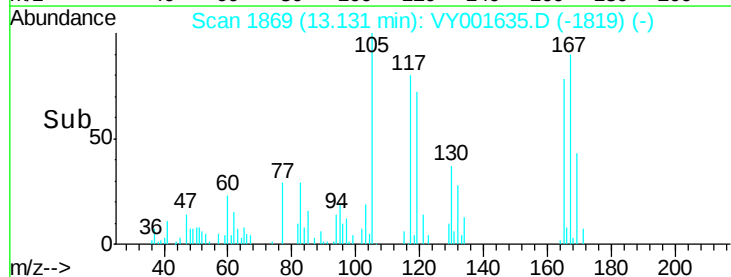
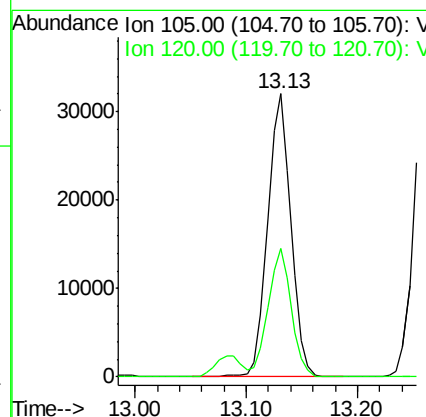
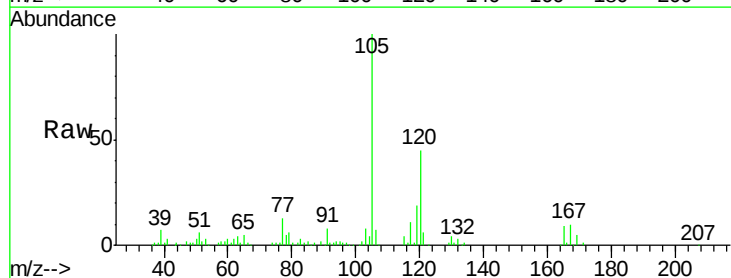
Manual Integrations  
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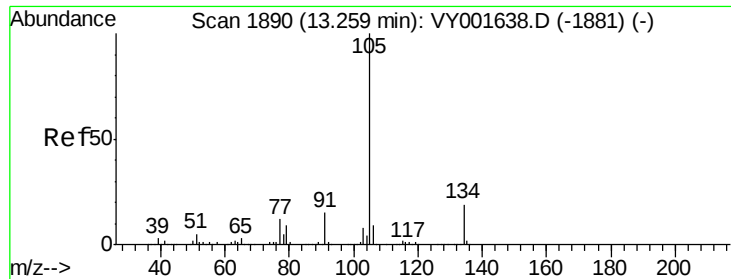
MMDadoda  
2/19/2020 10:49:43 AM



#84  
1,2,4-Trimethylbenzene  
Concen: 5.090 ug/l  
RT: 13.13 min Scan# 1869  
Delta R.T. 0.01 min  
Lab File: VY001635.D  
Acq: 17 Feb 2020 10:03

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 45.1  | 22.8  | 68.4  |





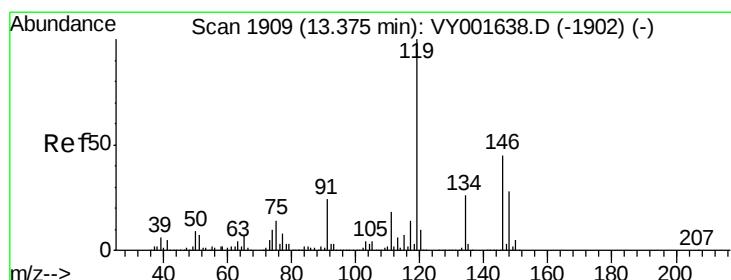
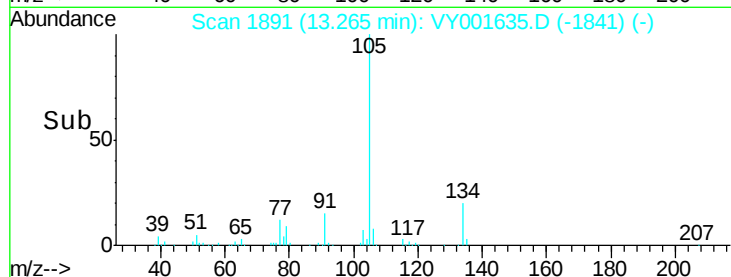
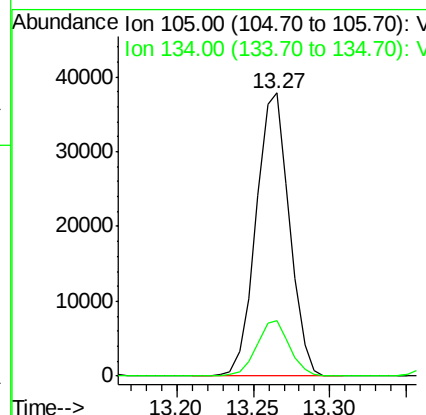
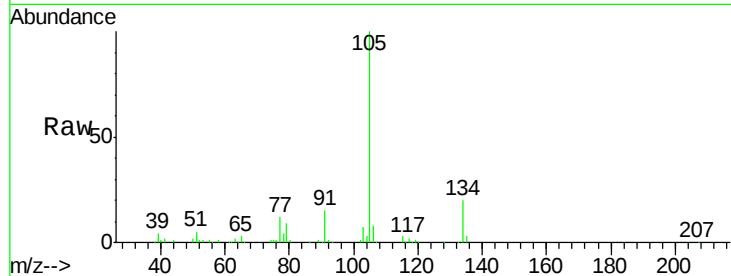
#85  
 sec-Butylbenzene  
 Concen: 5.178 ug/l  
 RT: 13.27 min Scan# 1891  
 Delta R.T. 0.01 min  
 Lab File: VY001635.D  
 Acq: 17 Feb 2020 10:03

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDIC005

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 134     | 19.3  | 9.8   | 29.5  |

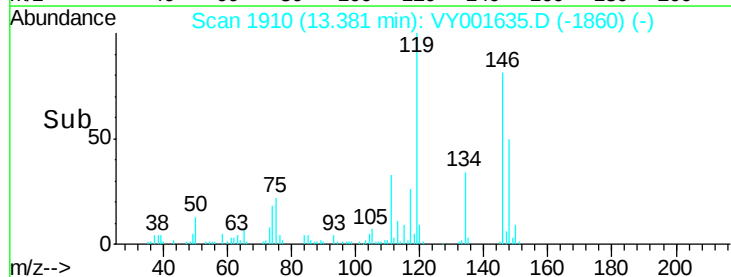
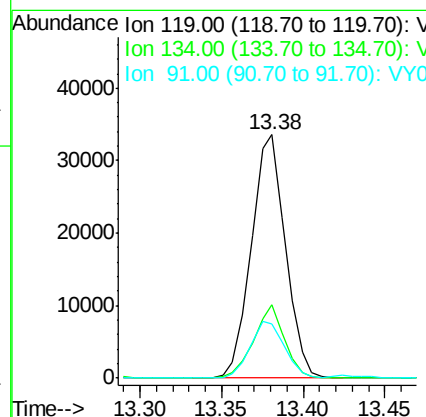
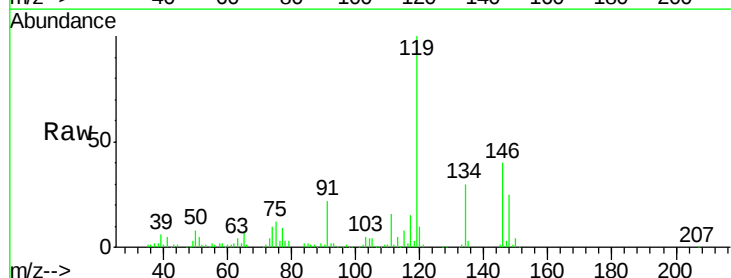
Manual Integrations  
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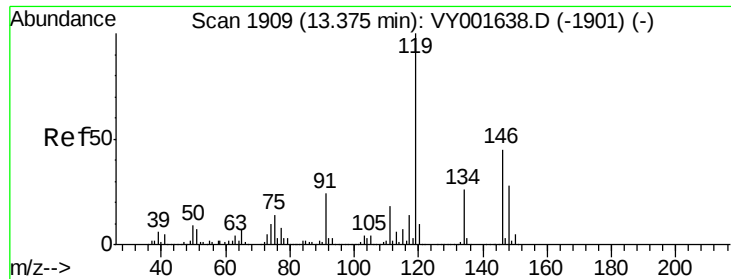
MMDadoda  
 2/19/2020 10:49:43 AM



#86  
 p-Isopropyltoluene  
 Concen: 5.028 ug/l  
 RT: 13.38 min Scan# 1910  
 Delta R.T. 0.01 min  
 Lab File: VY001635.D  
 Acq: 17 Feb 2020 10:03

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 134     | 27.1  | 13.2  | 39.6  |
| 91      | 23.8  | 11.9  | 35.7  |





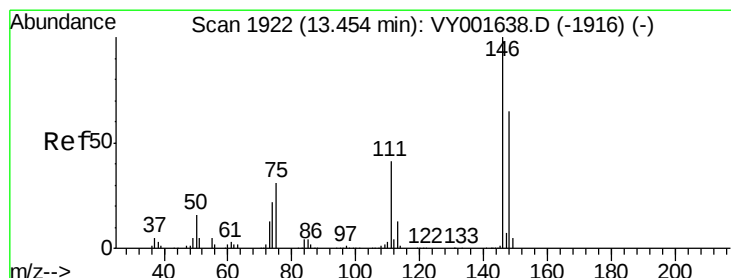
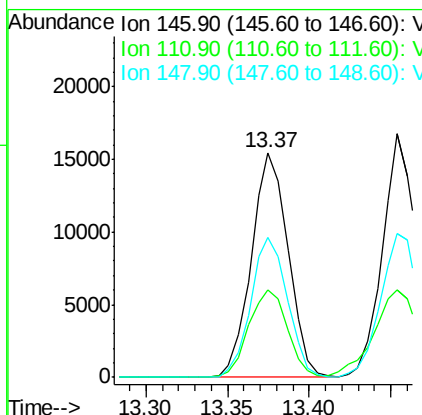
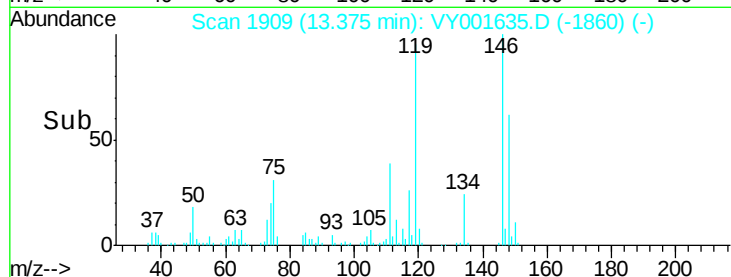
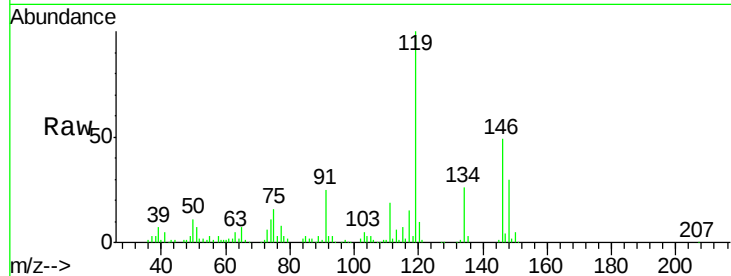
#87  
 1,3-Dichlorobenzene  
 Concen: 5.273 ug/l  
 RT: 13.37 min Scan# 1909  
 Delta R.T. -0.00 min  
 Lab File: VY001635.D  
 Acq: 17 Feb 2020 10:03

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDIC005

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 40.6  | 20.7  | 62.1  |
| 148     | 62.0  | 31.6  | 94.7  |

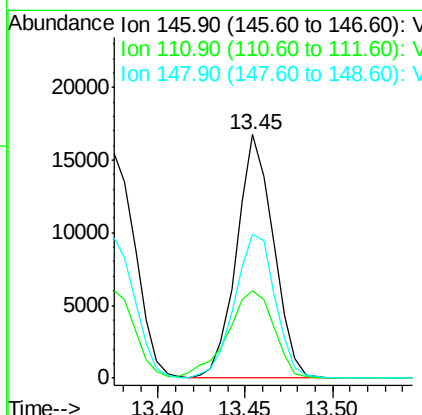
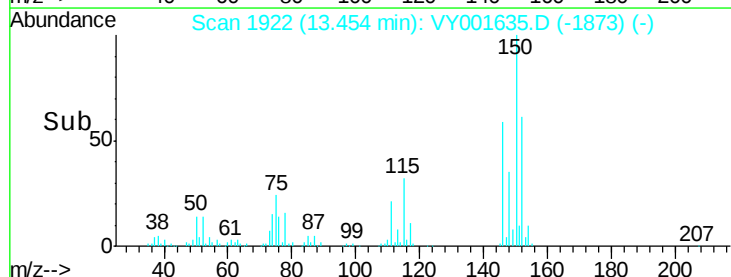
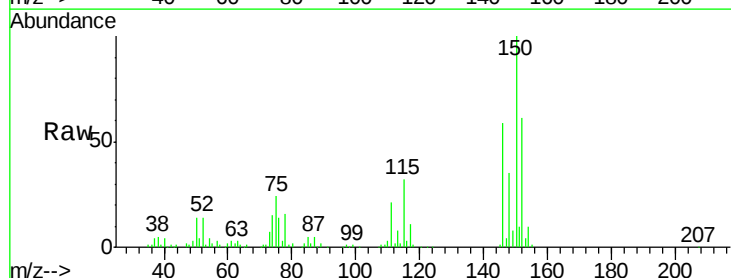
Manual Integrations  
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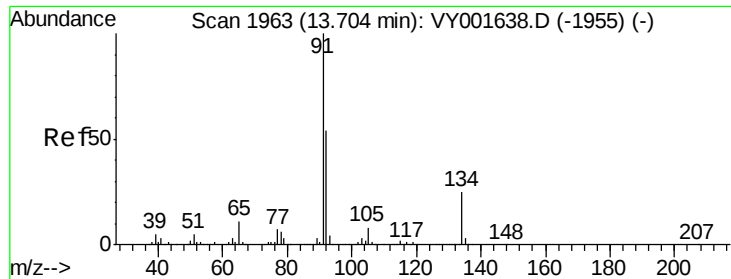
MMDadoda  
 2/19/2020 10:49:43 AM



#88  
 1,4-Dichlorobenzene  
 Concen: 5.338 ug/l  
 RT: 13.45 min Scan# 1922  
 Delta R.T. -0.00 min  
 Lab File: VY001635.D  
 Acq: 17 Feb 2020 10:03

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 45.6  | 20.8  | 62.2  |
| 148     | 65.5  | 32.0  | 96.2  |





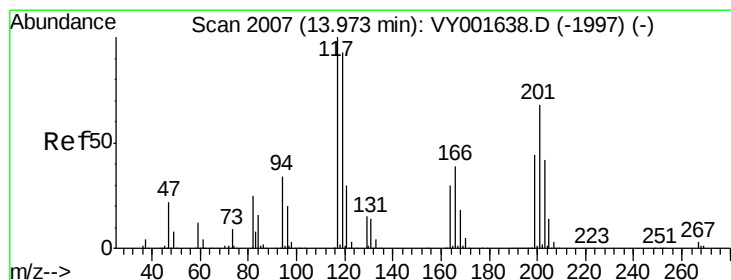
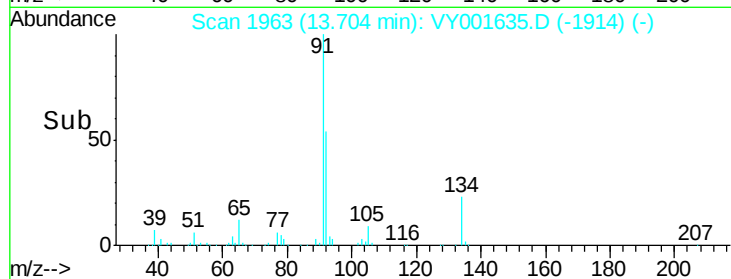
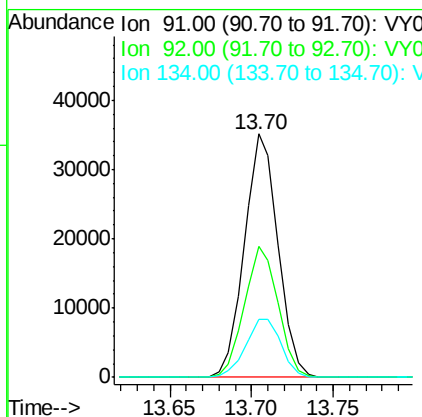
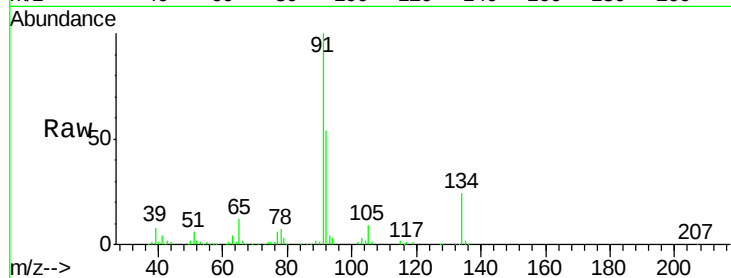
#89  
n-Butylbenzene  
Concen: 5.196 ug/l  
RT: 13.70 min Scan# 1963  
Delta R.T. -0.00 min  
Lab File: VY001635.D  
Acq: 17 Feb 2020 10:03

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC005

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 53.7  | 27.3  | 81.8  |
| 134     | 25.2  | 12.6  | 37.6  |

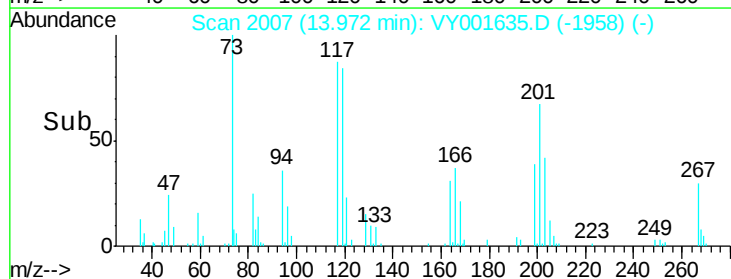
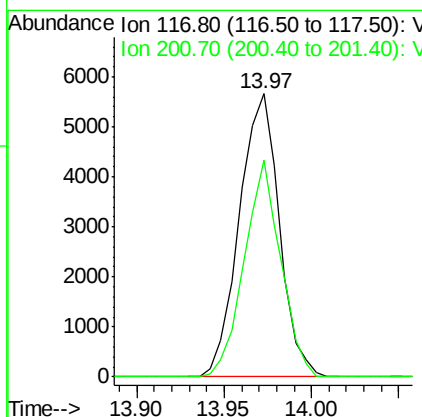
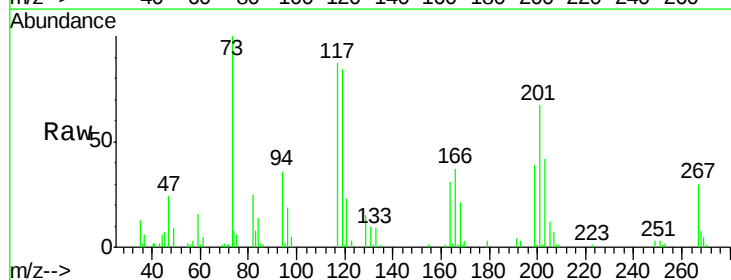
Manual Integrations  
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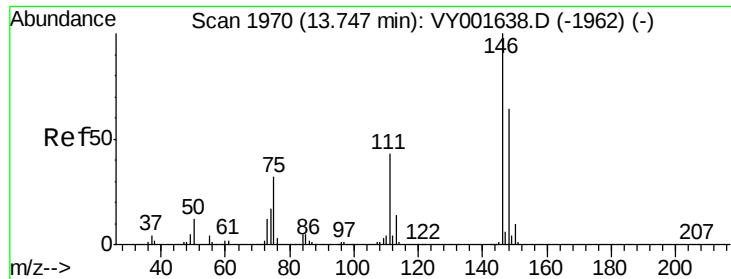
MMDadoda  
2/19/2020 10:49:43 AM



#90  
Hexachloroethane  
Concen: 4.803 ug/l  
RT: 13.97 min Scan# 2007  
Delta R.T. -0.00 min  
Lab File: VY001635.D  
Acq: 17 Feb 2020 10:03

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 69.6  | 33.3  | 99.8  |





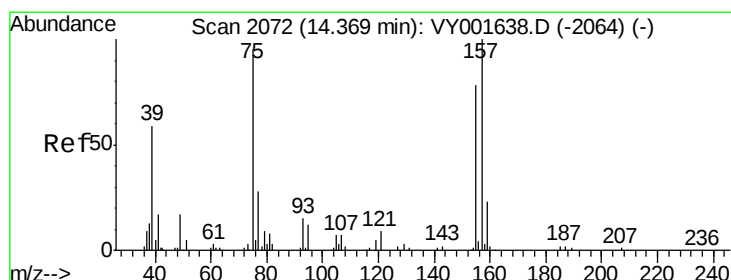
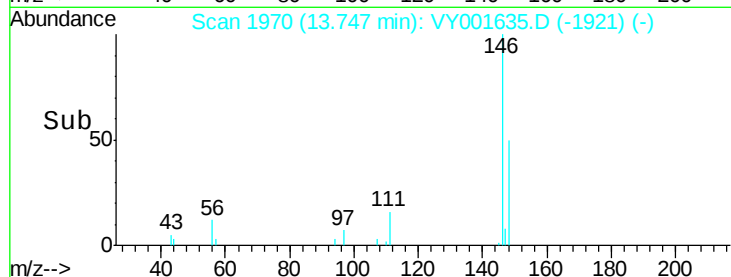
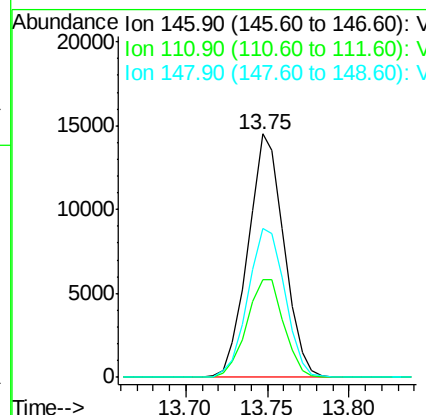
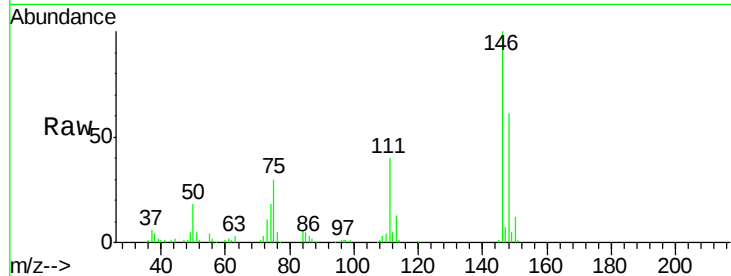
#91  
 1,2-Dichlorobenzene  
 Concen: 5.321 ug/l  
 RT: 13.75 min Scan# 1970  
 Delta R.T. -0.00 min  
 Lab File: VY001635.D  
 Acq: 17 Feb 2020 10:03

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDIC005

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 41.3  | 21.6  | 65.0  |
| 148     | 63.1  | 31.5  | 94.5  |

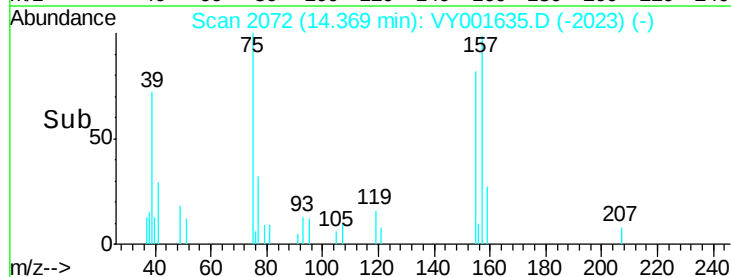
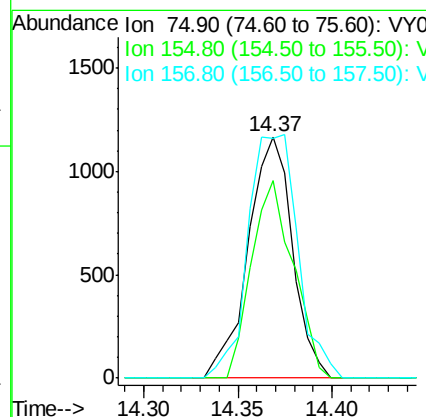
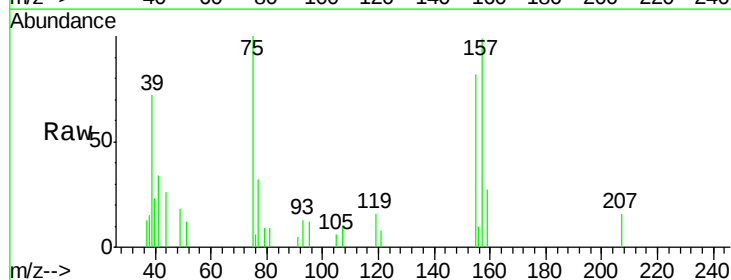
Manual Integrations  
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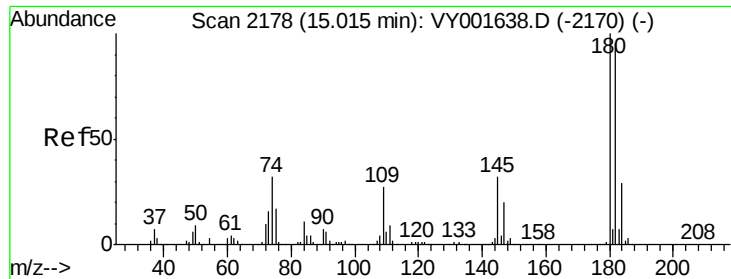
MMDadoda  
 2/19/2020 10:49:43 AM



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 4.831 ug/l  
 RT: 14.37 min Scan# 2072  
 Delta R.T. -0.00 min  
 Lab File: VY001635.D  
 Acq: 17 Feb 2020 10:03

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 77.4  | 42.1  | 126.4 |
| 157     | 113.4 | 53.0  | 159.1 |





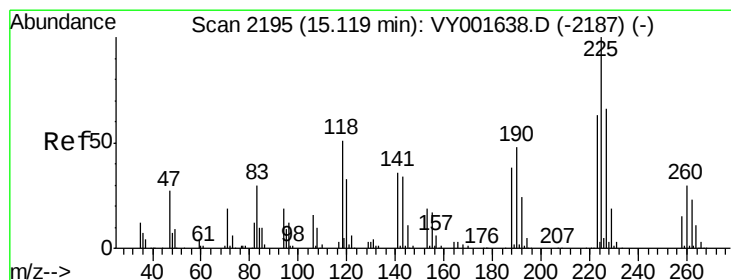
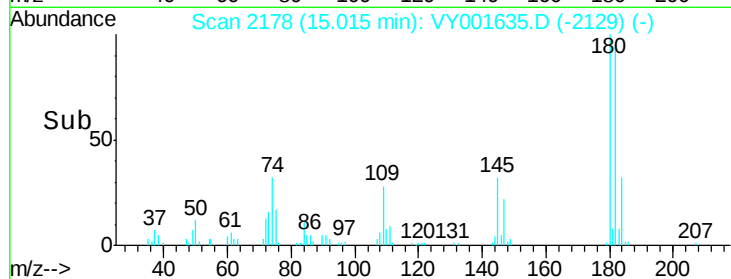
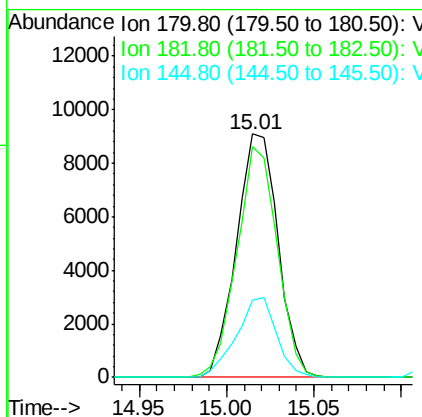
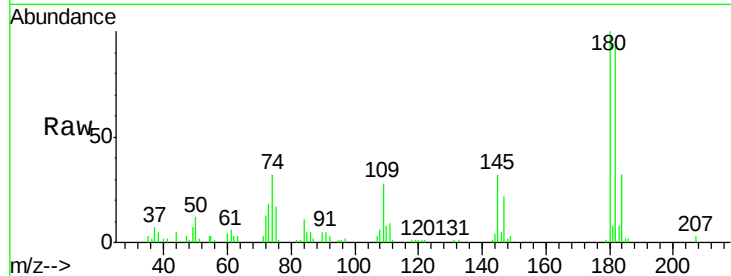
#93  
 1,2,4-Trichlorobenzene  
 Concen: 5.348 ug/l  
 RT: 15.01 min Scan# 2178  
 Delta R.T. -0.00 min  
 Lab File: VY001635.D  
 Acq: 17 Feb 2020 10:03

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDIC005

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 92.1  | 46.9  | 140.7 |
| 145     | 31.6  | 15.6  | 46.8  |

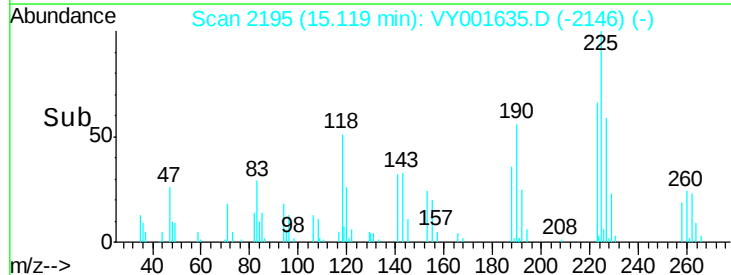
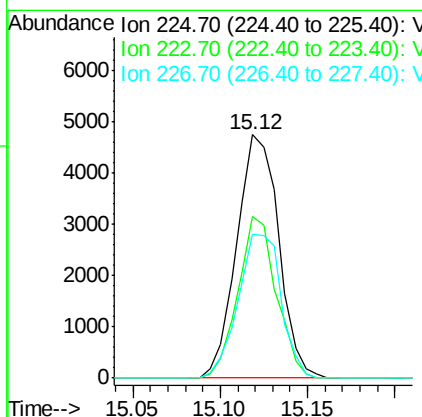
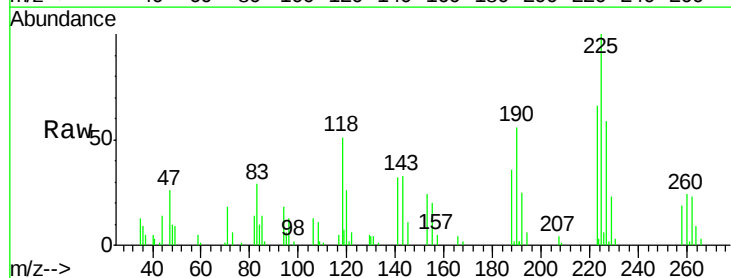
Manual Integrations  
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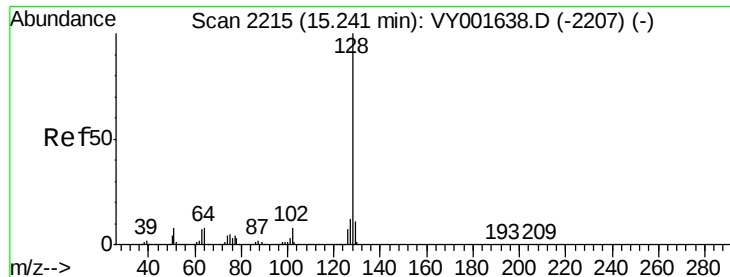
MMDadoda  
 2/19/2020 10:49:43 AM



#94  
 Hexachlorobutadiene  
 Concen: 5.610 ug/l  
 RT: 15.12 min Scan# 2195  
 Delta R.T. -0.00 min  
 Lab File: VY001635.D  
 Acq: 17 Feb 2020 10:03

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 60.4  | 31.6  | 94.8  |
| 227     | 60.6  | 32.3  | 96.8  |





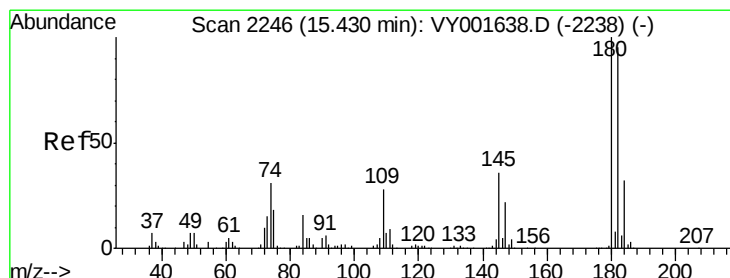
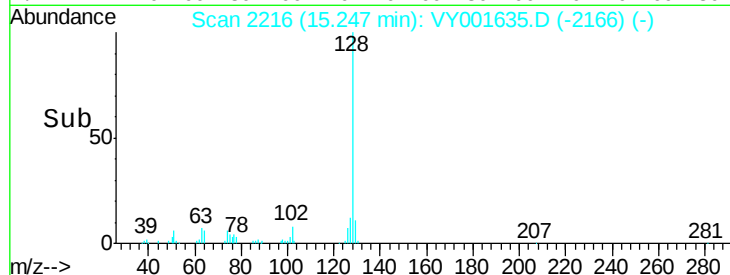
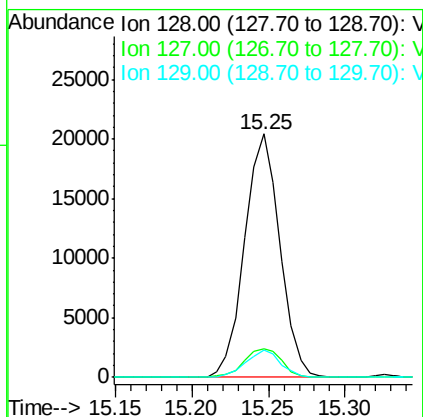
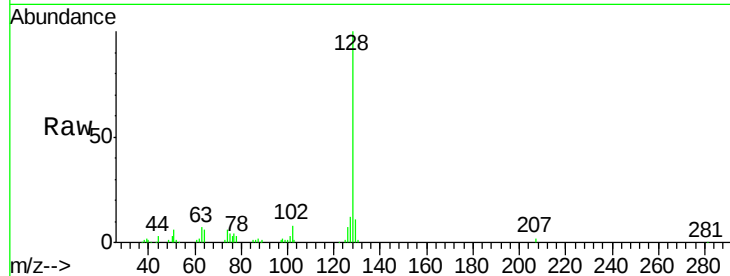
#95  
Naphthalene  
Concen: 4.897 ug/l  
RT: 15.25 min Scan# 2216  
Delta R.T. 0.01 min  
Lab File: VY001635.D  
Acq: 17 Feb 2020 10:03

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC005

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 128     | 100   | 32720 |       |       |
| 127     | 12.6  |       | 10.2  | 15.2  |
| 129     | 11.0  |       | 8.8   | 13.2  |

Manual Integrations  
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#96  
1,2,3-Trichlorobenzene  
Concen: 5.371 ug/l  
RT: 15.44 min Scan# 2247  
Delta R.T. 0.01 min  
Lab File: VY001635.D  
Acq: 17 Feb 2020 10:03

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 180     | 100   | 13392 |       |       |
| 182     | 93.0  |       | 46.9  | 140.7 |
| 145     | 32.5  |       | 16.9  | 50.6  |

