

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY011020\  
 Data File : VY001150.D  
 Acq On : 10 Jan 2020 15:45  
 Operator : SY/MD  
 Sample : VSTDICC150  
 Misc : 5.00G/5ML/MSVOA Y/SOIL  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDICC150

Manual Integrations  
 APPROVED

MMDadoda  
 1/13/2020 12:39:06 PM

Quant Time: Jan 10 16:03:09 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y011020S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jan 10 15:56:25 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.80  | 168  | 224314   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.70  | 114  | 392970   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.49 | 117  | 345025   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.42 | 152  | 156347   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |        |         |      |
|---------------------------|--------|-----|----------|--------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 8.15   | 65  | 358119   | 151.39 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =      | 302.78% |      |
| 35) Dibromofluoromethane  | 7.73   | 113 | 325114   | 139.68 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =      | 279.36% |      |
| 50) Toluene-d8            | 10.18  | 98  | 1327741  | 149.72 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =      | 299.44% |      |
| 62) 4-Bromofluorobenzene  | 12.48  | 95  | 505903   | 137.67 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =      | 275.34% |      |

## Target Compounds

|                               |      |     |         |         |      | Qvalue |
|-------------------------------|------|-----|---------|---------|------|--------|
| 2) Dichlorodifluoromethane    | 1.90 | 85  | 238774  | 136.529 | ug/l | 98     |
| 3) Chloromethane              | 2.12 | 50  | 321622  | 126.079 | ug/l | 100    |
| 4) Vinyl Chloride             | 2.25 | 62  | 334147  | 130.709 | ug/l | 100    |
| 5) Bromomethane               | 2.64 | 94  | 163593  | 117.324 | ug/l | 97     |
| 6) Chloroethane               | 2.79 | 64  | 179557  | 120.113 | ug/l | 99     |
| 7) Trichlorofluoromethane     | 3.13 | 101 | 476734  | 134.561 | ug/l | 97     |
| 8) Diethyl Ether              | 3.54 | 74  | 189527  | 138.243 | ug/l | 98     |
| 9) 1,1,2-Trichlorotrifluoroet | 3.90 | 101 | 310895  | 136.649 | ug/l | 99     |
| 10) Methyl Iodide             | 4.10 | 142 | 429849  | 138.286 | ug/l | 100    |
| 11) Tert butyl alcohol        | 4.97 | 59  | 153681  | 627.115 | ug/l | 100    |
| 12) 1,1-Dichloroethene        | 3.88 | 96  | 316192  | 135.694 | ug/l | 99     |
| 13) Acrolein                  | 3.74 | 56  | 146802  | 672.286 | ug/l | 100    |
| 14) Allyl chloride            | 4.49 | 41  | 553302  | 141.633 | ug/l | 99     |
| 15) Acrylonitrile             | 5.18 | 53  | 480943  | 703.357 | ug/l | 98     |
| 16) Acetone                   | 3.96 | 43  | 397930  | 718.099 | ug/l | 99     |
| 17) Carbon Disulfide          | 4.19 | 76  | 1036822 | 137.806 | ug/l | 100    |
| 18) Methyl Acetate            | 4.49 | 43  | 253286  | 137.263 | ug/l | 99     |
| 19) Methyl tert-butyl Ether   | 5.23 | 73  | 911041  | 142.418 | ug/l | 99     |
| 20) Methylene Chloride        | 4.72 | 84  | 349171  | 108.734 | ug/l | 99     |
| 21) trans-1,2-Dichloroethene  | 5.23 | 96  | 360335  | 136.503 | ug/l | 99     |
| 22) Diisopropyl ether         | 6.13 | 45  | 1146537 | 144.088 | ug/l | 96     |
| 23) Vinyl Acetate             | 6.07 | 43  | 3536886 | 690.328 | ug/l | 100    |
| 24) 1,1-Dichloroethane        | 6.03 | 63  | 613376  | 140.190 | ug/l | 99     |
| 25) 2-Butanone                | 7.00 | 43  | 601606  | 693.761 | ug/l | 99     |
| 26) 2,2-Dichloropropane       | 6.99 | 77  | 538227  | 132.638 | ug/l | 98     |
| 27) cis-1,2-Dichloroethene    | 7.00 | 96  | 392565  | 135.576 | ug/l | 99     |
| 28) Bromochloromethane        | 7.35 | 49  | 295424  | 169.919 | ug/l | 99     |
| 29) Tetrahydrofuran           | 7.35 | 42  | 419691  | 708.584 | ug/l | 98     |
| 30) Chloroform                | 7.52 | 83  | 597569  | 139.241 | ug/l | 99     |
| 31) Cyclohexane               | 7.79 | 56  | 608592  | 129.846 | ug/l | 98     |
| 32) 1,1,1-Trichloroethane     | 7.71 | 97  | 521955  | 136.677 | ug/l | 100    |
| 36) 1,1-Dichloropropene       | 7.93 | 75  | 483575  | 132.369 | ug/l | 99     |
| 37) Ethyl Acetate             | 7.08 | 43  | 293632  | 137.798 | ug/l | 99     |
| 38) Carbon Tetrachloride      | 7.91 | 117 | 448518  | 134.250 | ug/l | 97     |

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 Sample : VSTDICC150  
 Misc : 5.00G/5ML/MSVOA Y/SOIL  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleID :  
 VSTDICC150

Manual Integrations  
 APPROVED

MMDadoda  
 1/13/2020 12:39:06 PM

Quant Time: Jan 10 16:03:09 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y011020S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jan 10 15:56:25 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc     | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|----------|--------|----------|
| 39) Methylcyclohexane          | 9.19  | 83   | 652064   | 131.531  | ug/l   | 98       |
| 40) Benzene                    | 8.17  | 78   | 1417450  | 133.015  | ug/l   | 99       |
| 41) Methacrylonitrile          | 7.33  | 41   | 132879m  | 131.864  | ug/l   |          |
| 42) 1,2-Dichloroethane         | 8.24  | 62   | 405693   | 136.498  | ug/l   | 100      |
| 43) Isopropyl Acetate          | 8.28  | 43   | 557255   | 136.571  | ug/l   | 99       |
| 44) Trichloroethene            | 8.94  | 130  | 371869   | 134.087  | ug/l   | 100      |
| 45) 1,2-Dichloropropane        | 9.22  | 63   | 354248   | 134.729  | ug/l   | 99       |
| 46) Dibromomethane             | 9.31  | 93   | 193489   | 134.898  | ug/l   | 99       |
| 47) Bromodichloromethane       | 9.50  | 83   | 472096   | 135.082  | ug/l   | 100      |
| 48) Methyl methacrylate        | 9.30  | 41   | 256086   | 135.454  | ug/l   | 99       |
| 49) 1,4-Dioxane                | 9.30  | 88   | 48031    | 2759.223 | ug/l   | 93       |
| 51) 4-Methyl-2-Pentanone       | 10.07 | 43   | 1404092  | 677.329  | ug/l   | 100      |
| 52) Toluene                    | 10.24 | 92   | 913943   | 134.732  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene      | 10.47 | 75   | 537701   | 137.935  | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene    | 9.93  | 75   | 598027   | 135.729  | ug/l   | 100      |
| 55) 1,1,2-Trichloroethane      | 10.64 | 97   | 282797   | 132.656  | ug/l   | 99       |
| 56) Ethyl methacrylate         | 10.51 | 69   | 448756   | 138.530  | ug/l   | 98       |
| 57) 1,3-Dichloropropane        | 10.79 | 76   | 492968   | 135.069  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether  | 9.78  | 63   | 742563   | 644.720  | ug/l   | 99       |
| 59) 2-Hexanone                 | 10.83 | 43   | 999973   | 690.320  | ug/l   | 100      |
| 60) Dibromochloromethane       | 10.99 | 129  | 329918   | 134.730  | ug/l   | 100      |
| 61) 1,2-Dibromoethane          | 11.09 | 107  | 274714   | 131.854  | ug/l   | 99       |
| 64) Tetrachloroethene          | 10.72 | 164  | 327181   | 146.540  | ug/l   | 98       |
| 65) Chlorobenzene              | 11.52 | 112  | 922797   | 131.031  | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane  | 11.59 | 131  | 313749   | 128.955  | ug/l   | 99       |
| 67) Ethyl Benzene              | 11.59 | 91   | 1666553  | 129.072  | ug/l   | 100      |
| 68) m/p-Xylenes                | 11.70 | 106  | 1253999  | 257.338  | ug/l   | 99       |
| 69) o-Xylene                   | 12.03 | 106  | 601351   | 128.719  | ug/l   | 99       |
| 70) Styrene                    | 12.04 | 104  | 1075156  | 131.590  | ug/l   | 100      |
| 71) Bromoform                  | 12.20 | 173  | 201532   | 135.283  | ug/l # | 99       |
| 73) Isopropylbenzene           | 12.33 | 105  | 1617345  | 135.365  | ug/l   | 100      |
| 74) N-amyl acetate             | 12.14 | 43   | 520958   | 140.528  | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.58 | 83   | 344309   | 137.262  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane     | 12.63 | 75   | 228757m  | 134.291  | ug/l   |          |
| 77) Bromobenzene               | 12.61 | 156  | 349448   | 131.835  | ug/l   | 97       |
| 78) n-propylbenzene            | 12.67 | 91   | 1926196  | 133.788  | ug/l   | 100      |
| 79) 2-Chlorotoluene            | 12.75 | 91   | 1133620  | 137.711  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene     | 12.81 | 105  | 1328560  | 132.896  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-buten | 12.38 | 75   | 143866   | 144.945  | ug/l # | 97       |
| 82) 4-Chlorotoluene            | 12.85 | 91   | 1202611  | 136.687  | ug/l   | 99       |
| 83) tert-Butylbenzene          | 13.07 | 119  | 1100701  | 130.709  | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene     | 13.12 | 105  | 1296267  | 130.167  | ug/l   | 99       |
| 85) sec-Butylbenzene           | 13.25 | 105  | 1583499  | 130.711  | ug/l   | 100      |
| 86) p-Isopropyltoluene         | 13.36 | 119  | 1320497  | 124.683  | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene        | 13.36 | 146  | 628795   | 124.374  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 13.44 | 146  | 669708   | 129.457  | ug/l   | 99       |
| 89) n-Butylbenzene             | 13.69 | 91   | 1377041  | 129.860  | ug/l   | 100      |
| 90) Hexachloroethane           | 13.95 | 117  | 271164   | 132.154  | ug/l   | 97       |
| 91) 1,2-Dichlorobenzene        | 13.73 | 146  | 619791   | 133.247  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.35 | 75   | 61020    | 134.425  | ug/l   | 98       |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY011020\  
Data File : VY001150.D  
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Operator : SY/MD  
Sample : VSTDICC150  
Misc : 5.00G/5ML/MSVOA Y/SOIL  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDICC150

Manual Integrations  
APPROVED

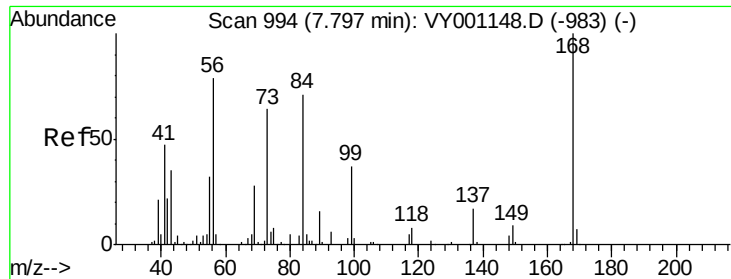
MMDadoda  
1/13/2020 12:39:06 PM

Quant Time: Jan 10 16:03:09 2020  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y011020S.M  
Quant Title : SW846 8260  
QLast Update : Fri Jan 10 15:56:25 2020  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc    | Units | Dev(Min) |
|----------------------------|-------|------|----------|---------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 15.00 | 180  | 391556   | 126.838 | ug/l  | 98       |
| 94) Hexachlorobutadiene    | 15.11 | 225  | 190609   | 121.867 | ug/l  | 97       |
| 95) Naphthalene            | 15.23 | 128  | 961862   | 135.097 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 15.42 | 180  | 353894   | 130.639 | ug/l  | 99       |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.00 min

Lab File: VY001150.D

Acq: 10 Jan 2020 15:45

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDIC150

Tot Ion:168 Resp: 224314

Ion Ratio Lower Upper

168 100

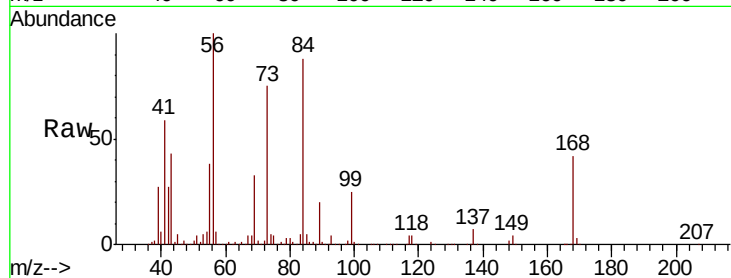
99 59.0 47.9 71.9

Manual Integrations

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1/13/2020 12:39:06 PM



Abundance Ion 167.90 (167.60 to 168.60): VY001148.D (-983) (-)

Ion 98.90 (98.60 to 99.60): VY001148.D (-983) (-)

150000

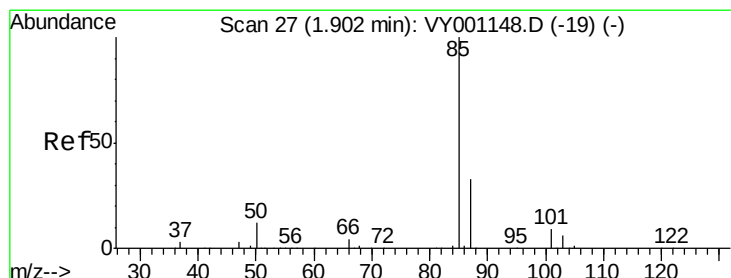
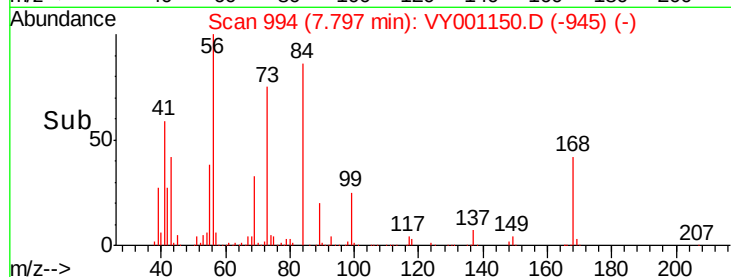
100000

50000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 136.529 ug/l

RT: 1.90 min Scan# 27

Delta R.T. -0.00 min

Lab File: VY001150.D

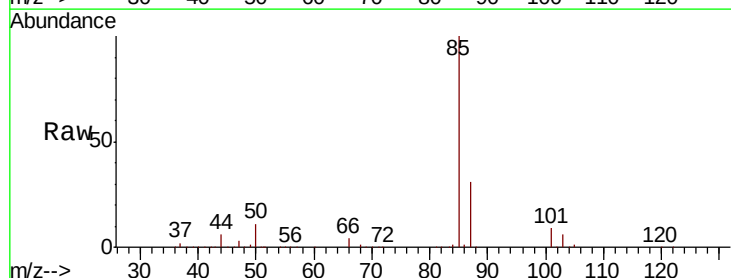
Acq: 10 Jan 2020 15:45

Tgt Ion: 85 Resp: 238774

Ion Ratio Lower Upper

85 100

87 31.4 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VY001148.D (-19) (-)

Ion 86.90 (86.60 to 87.60): VY001148.D (-19) (-)

200000

150000

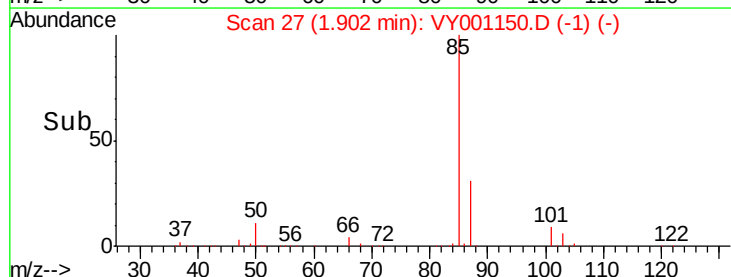
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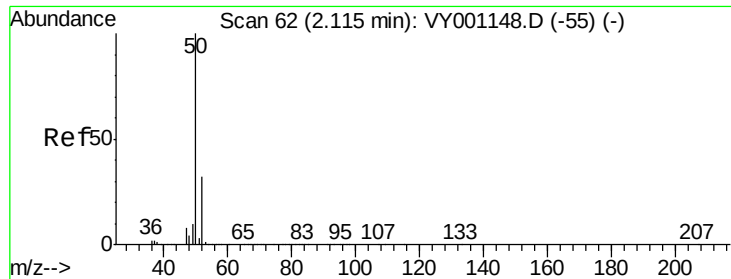
50000

0

1.80 1.90 2.00 2.10

Time-->





#3

Chloromethane

Concen: 126.079 ug/l

RT: 2.12 min Scan# 62

Delta R.T. -0.00 min

Lab File: VY001150.D

Acq: 10 Jan 2020 15:45

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDIC150

Tot Ion: 50 Resp: 321622

Ion Ratio Lower Upper

50 100

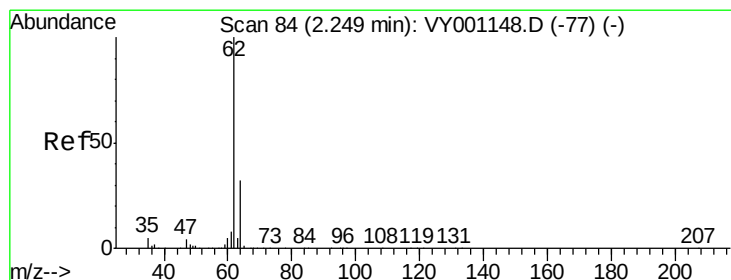
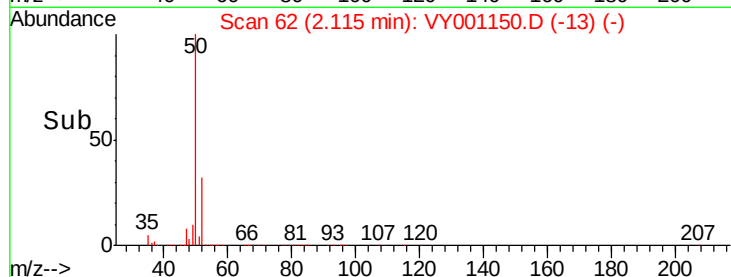
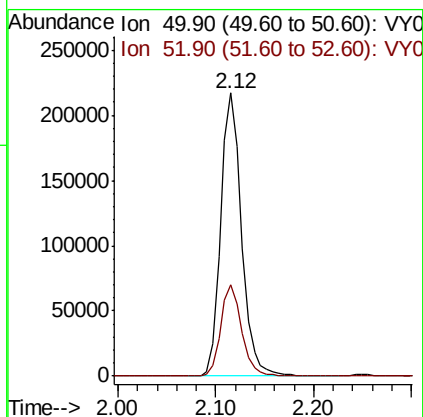
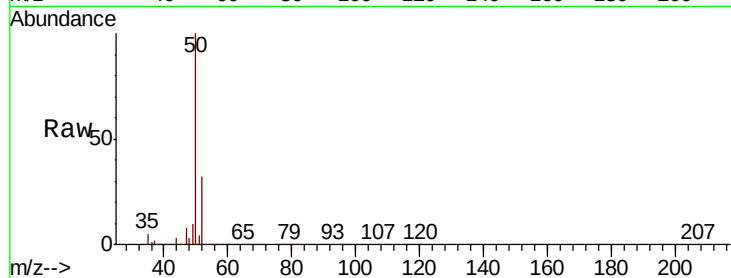
52 32.1 25.8 38.6

Manual Integrations

APPROVED

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1/13/2020 12:39:06 PM



#4

Vinyl Chloride

Concen: 130.709 ug/l

RT: 2.25 min Scan# 84

Delta R.T. -0.00 min

Lab File: VY001150.D

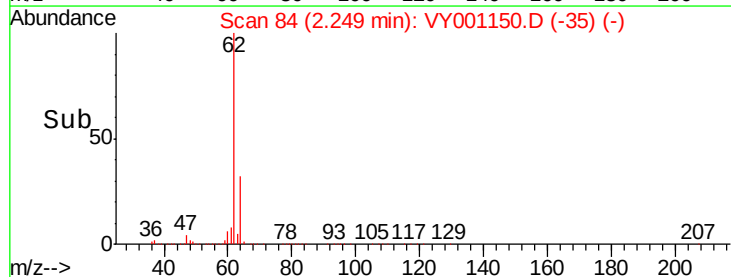
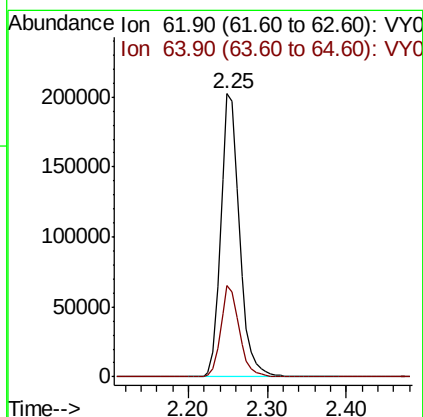
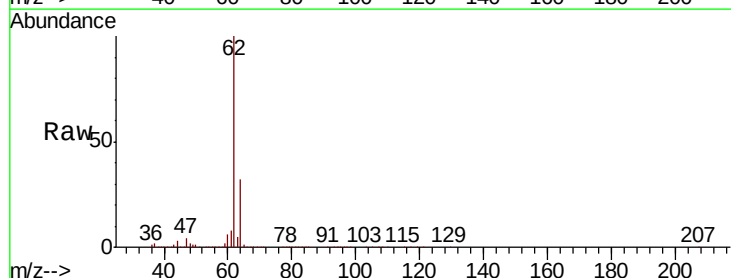
Acq: 10 Jan 2020 15:45

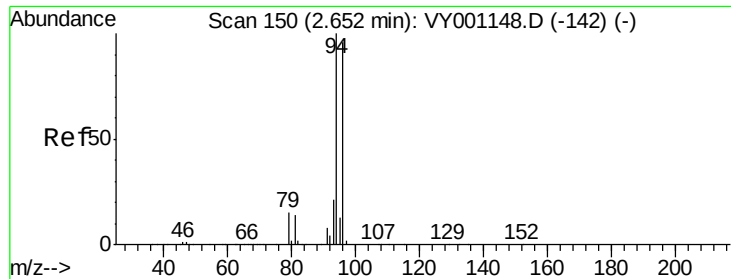
Tgt Ion: 62 Resp: 334147

Ion Ratio Lower Upper

62 100

64 32.3 25.8 38.8





#5

Bromomethane

Concen: 117.324 ug/l

RT: 2.64 min Scan# 148

Delta R.T. -0.01 min

Lab File: VY001150.D

Acq: 10 Jan 2020 15:45

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDIC150

Tot Ion: 94 Resp: 163593

Ion Ratio Lower Upper

94 100

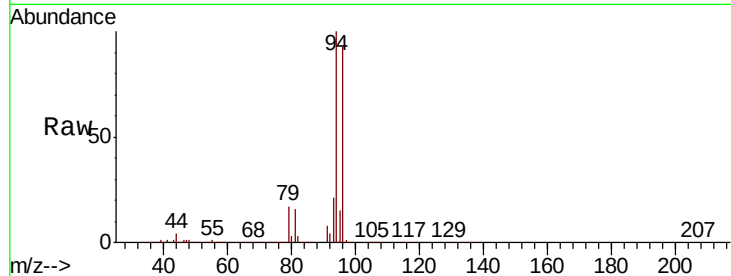
96 93.4 77.3 115.9

Manual Integrations

APPROVED

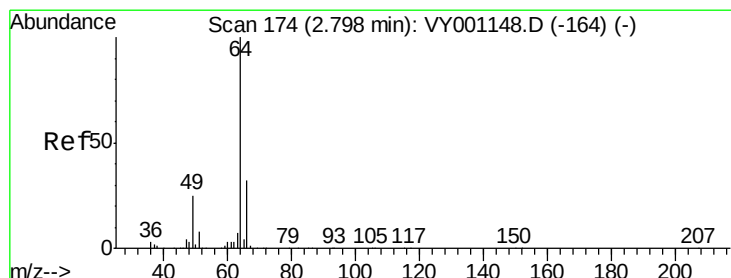
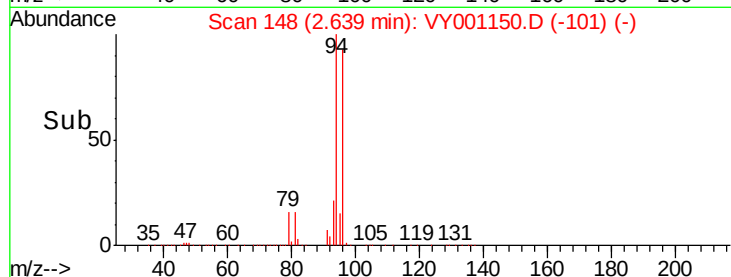
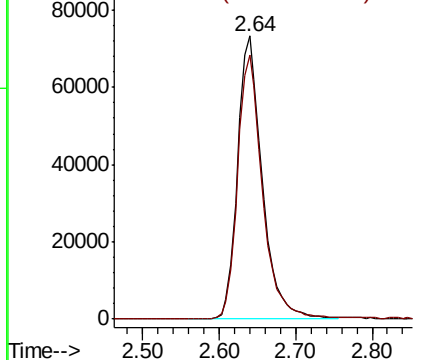
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Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 120.113 ug/l

RT: 2.79 min Scan# 173

Delta R.T. -0.01 min

Lab File: VY001150.D

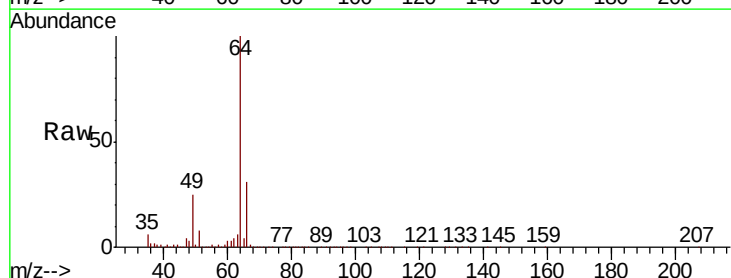
Acq: 10 Jan 2020 15:45

Tgt Ion: 64 Resp: 179557

Ion Ratio Lower Upper

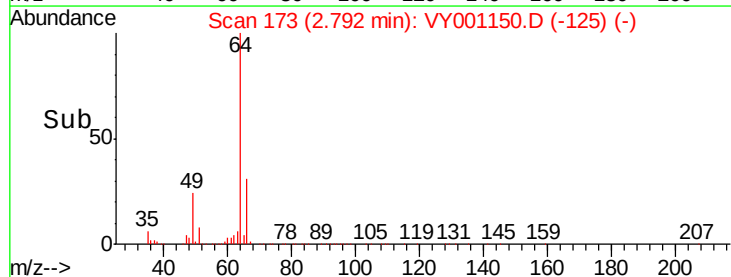
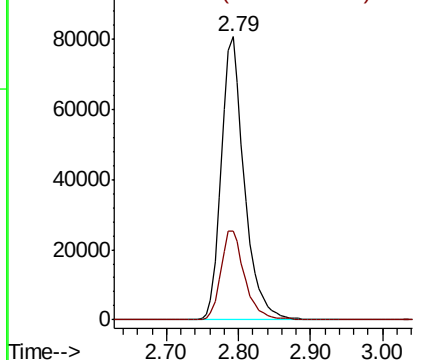
64 100

66 31.4 25.5 38.3

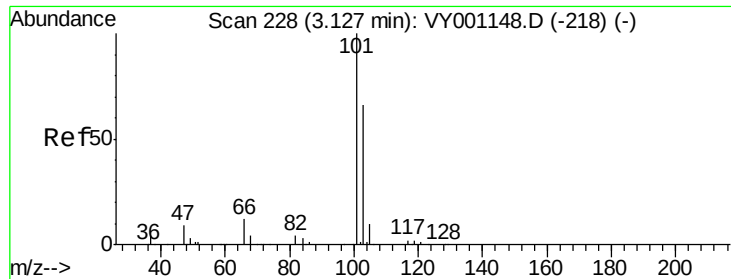


Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0







#7

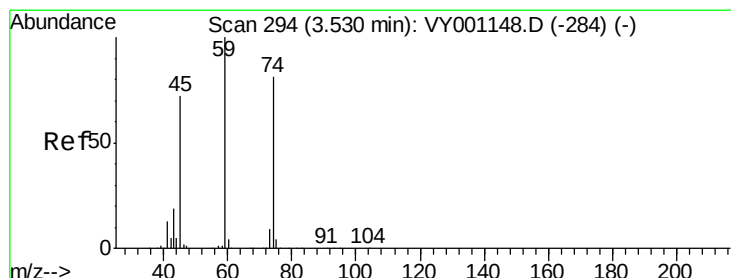
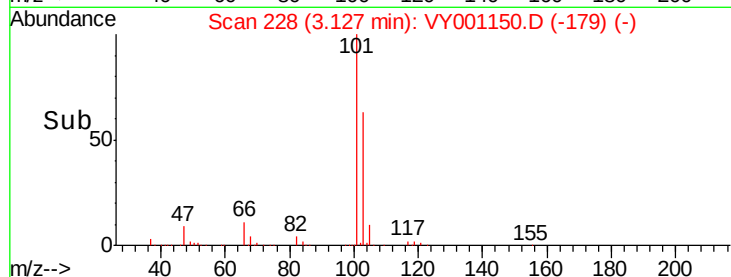
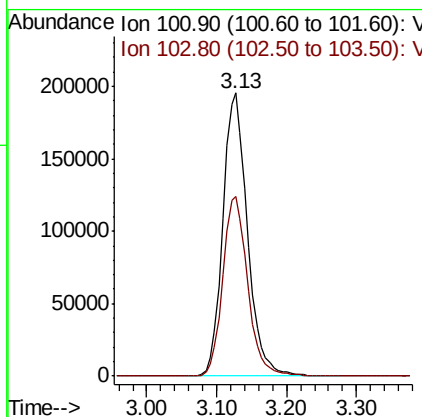
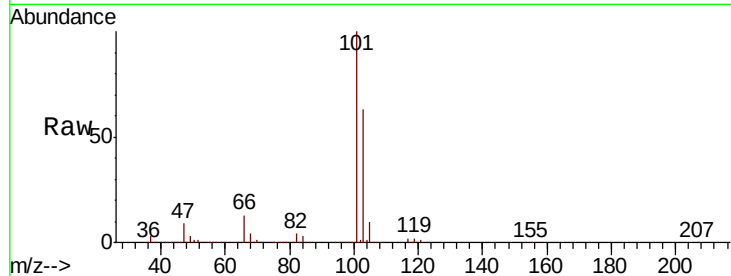
Trichlorofluoromethane  
Concen: 134.561 ug/l  
RT: 3.13 min Scan# 228  
Delta R.T. -0.00 min  
Lab File: VY001150.D  
Acq: 10 Jan 2020 15:45

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC150

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 63.4  | 52.6  | 79.0  |

Manual Integrations  
APPROVED

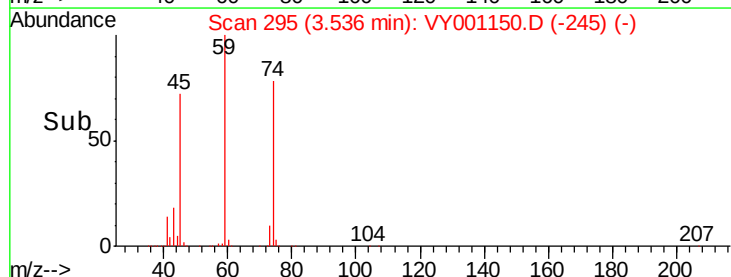
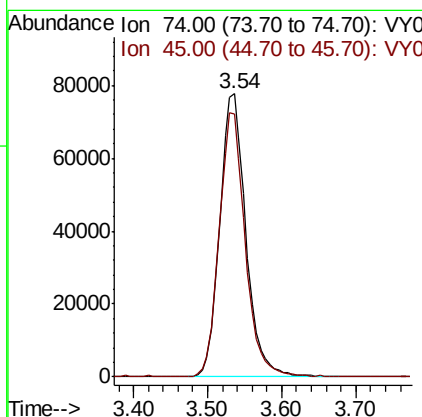
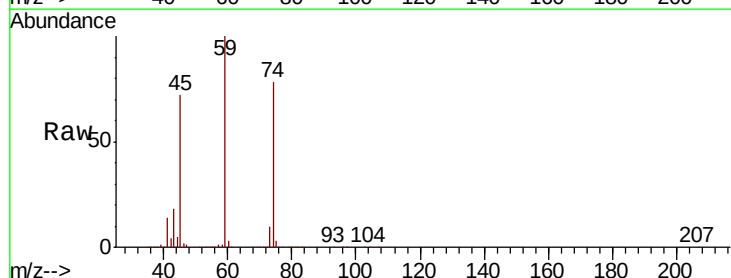
MMDadoda  
1/13/2020 12:39:06 PM



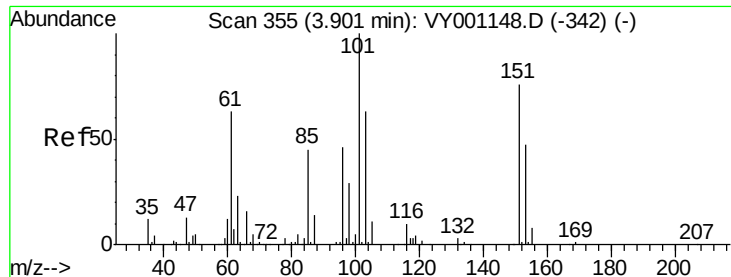
#8

Diethyl Ether  
Concen: 138.243 ug/l  
RT: 3.54 min Scan# 295  
Delta R.T. 0.01 min  
Lab File: VY001150.D  
Acq: 10 Jan 2020 15:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 92.5  | 45.5  | 136.5 |







#9

1,1,2-Trichlorotrifluoroethane

Concen: 136.649 ug/l

RT: 3.90 min Scan# 355

Delta R.T. -0.00 min

Lab File: VY001150.D

Acq: 10 Jan 2020 15:45

Instrument :

MSVOA\_Y

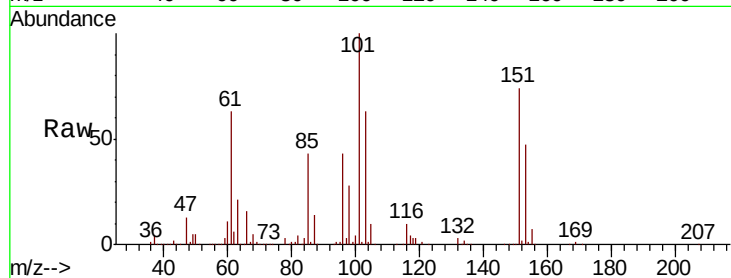
ClientSampleId :

VSTDIC150

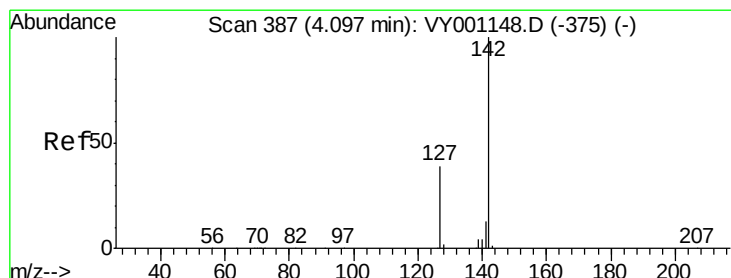
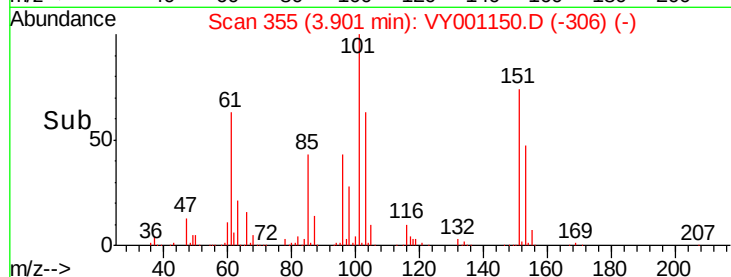
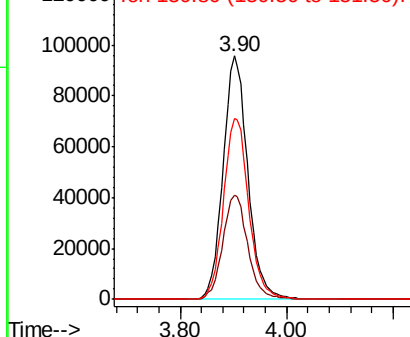
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 101   | Resp: | 310895 |
| Ion Ratio | Lower | Upper |        |
| 101       | 100   |       |        |
| 85        | 43.6  | 35.2  | 52.8   |
| 151       | 76.0  | 61.4  | 92.2   |

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Abundance Ion 100.90 (100.60 to 101.60): V  
Ion 84.90 (84.60 to 85.60): VY0  
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 138.286 ug/l

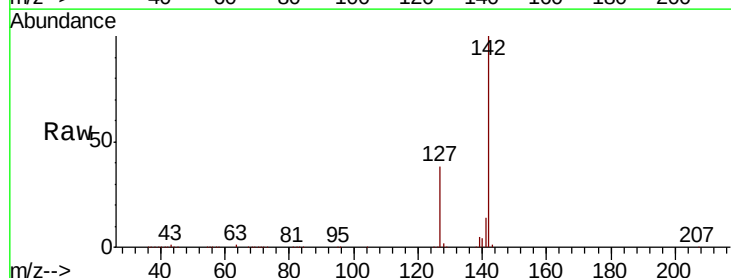
RT: 4.10 min Scan# 387

Delta R.T. -0.00 min

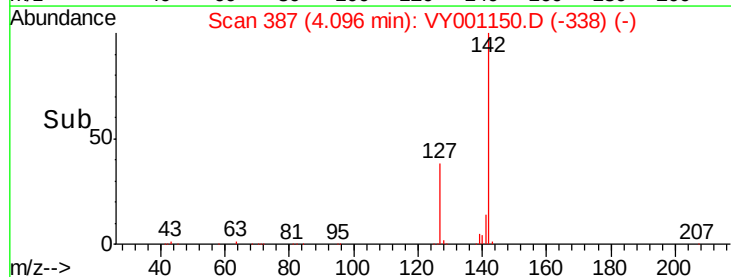
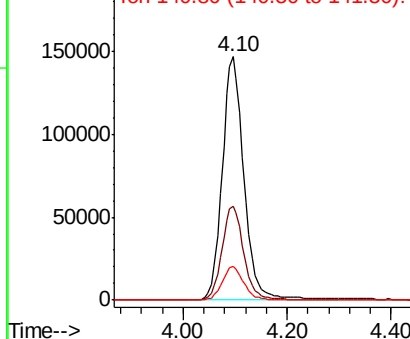
Lab File: VY001150.D

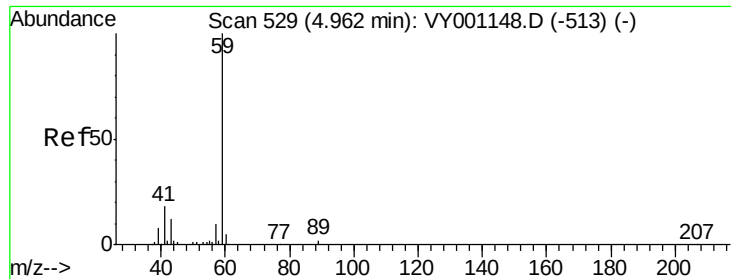
Acq: 10 Jan 2020 15:45

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 142   | Resp: | 429849 |
| Ion Ratio | Lower | Upper |        |
| 142       | 100   |       |        |
| 127       | 38.6  | 30.8  | 46.2   |
| 141       | 13.9  | 11.0  | 16.4   |



Abundance Ion 141.80 (141.50 to 142.50): V  
Ion 126.80 (126.50 to 127.50): V  
Ion 140.80 (140.50 to 141.50): V





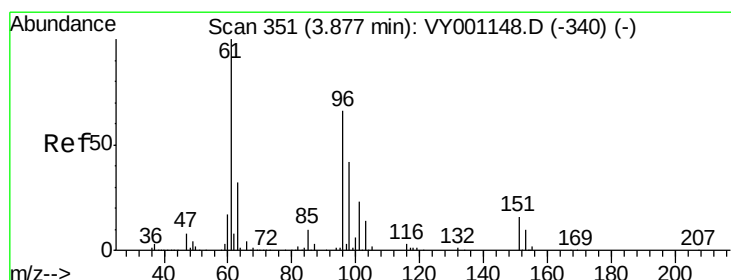
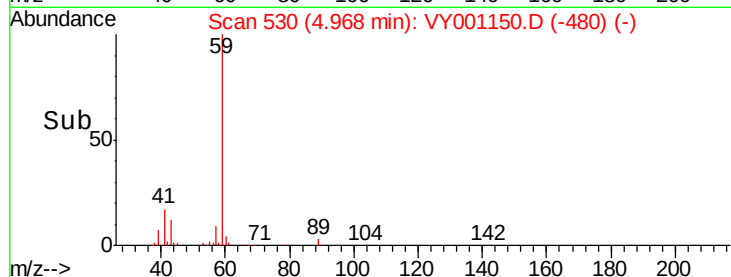
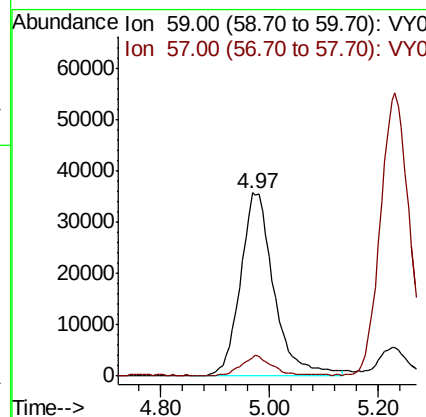
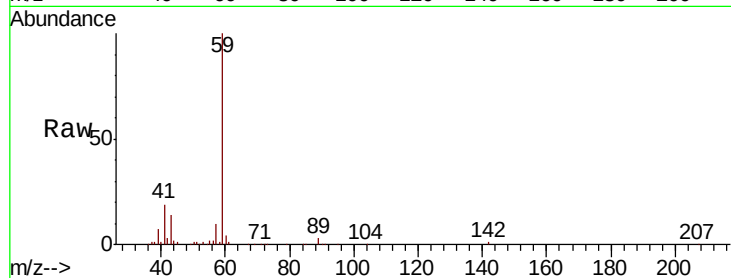
#11  
Tert butyl alcohol  
Concen: 627.115 ug/l  
RT: 4.97 min Scan# 530  
Delta R.T. 0.01 min  
Lab File: VY001150.D  
Acq: 10 Jan 2020 15:45

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC150

| Tot Ion   | 59  | Resp  | 153681 |
|-----------|-----|-------|--------|
| Ion Ratio | 100 | Lower | Upper  |
| 57        | 9.8 | 7.8   | 11.8   |

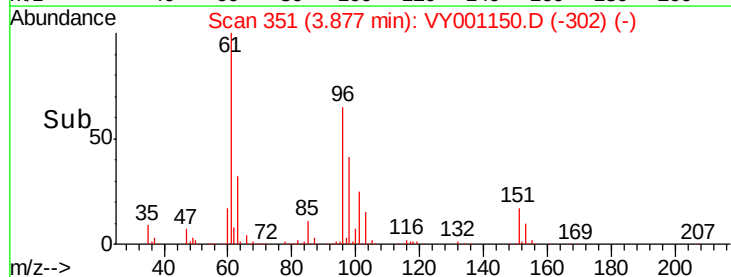
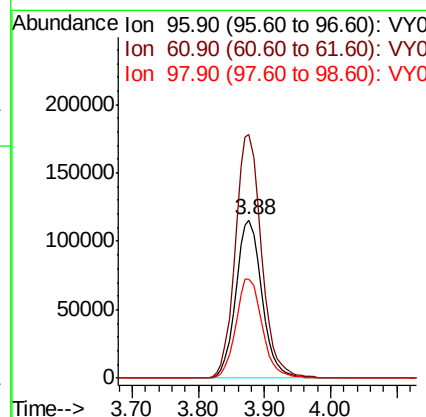
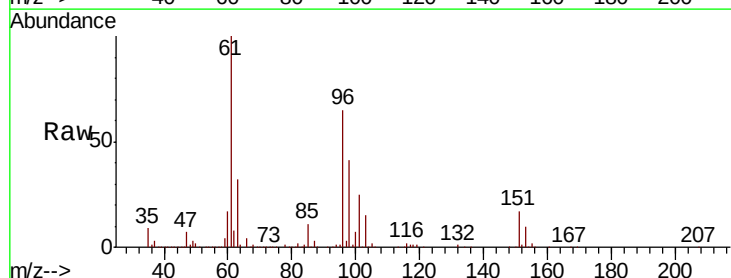
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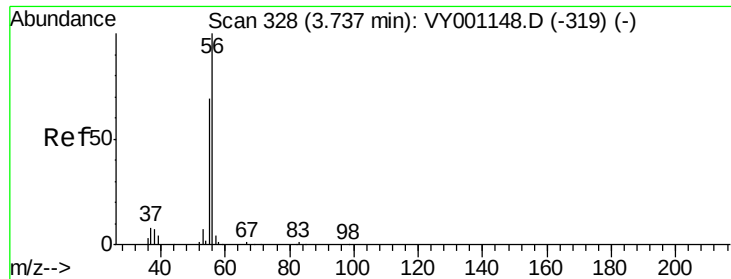
MMDadoda  
1/13/2020 12:39:06 PM



#12  
1,1-Dichloroethene  
Concen: 135.694 ug/l  
RT: 3.88 min Scan# 351  
Delta R.T. -0.00 min  
Lab File: VY001150.D  
Acq: 10 Jan 2020 15:45

| Tgt Ion   | 96    | Resp  | 316192 |
|-----------|-------|-------|--------|
| Ion Ratio | 100   | Lower | Upper  |
| 61        | 154.1 | 122.1 | 183.1  |
| 98        | 62.4  | 51.0  | 76.6   |





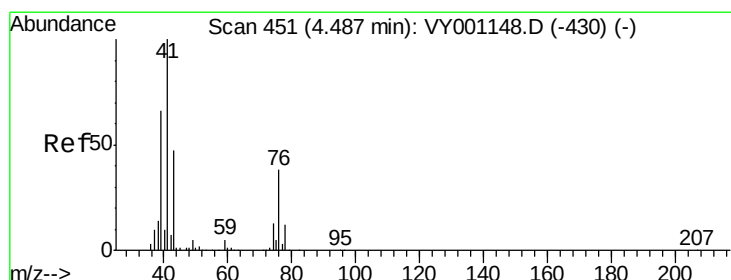
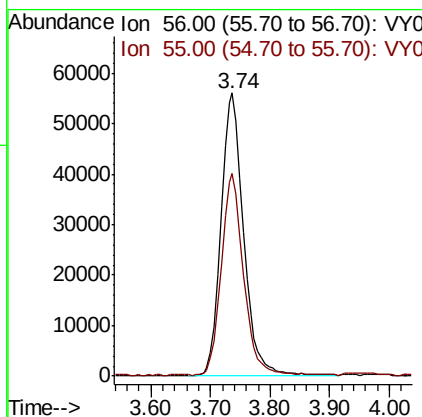
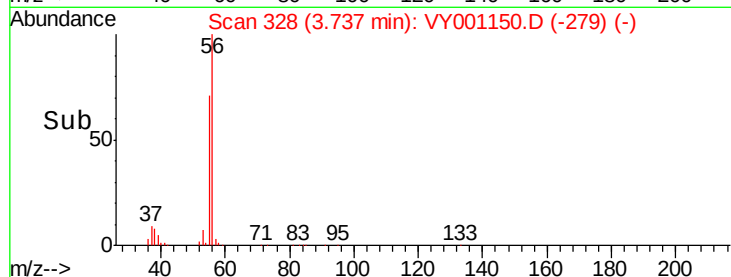
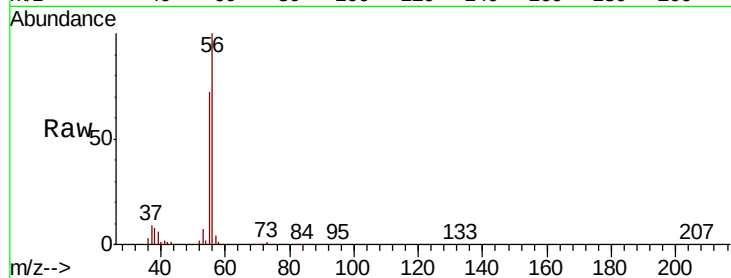
#13  
Acrolein  
Concen: 672.286 ug/l  
RT: 3.74 min Scan# 328  
Delta R.T. -0.00 min  
Lab File: VY001150.D  
Acq: 10 Jan 2020 15:45

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC150

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 55      | 70.8  | 56.7  | 85.1  |

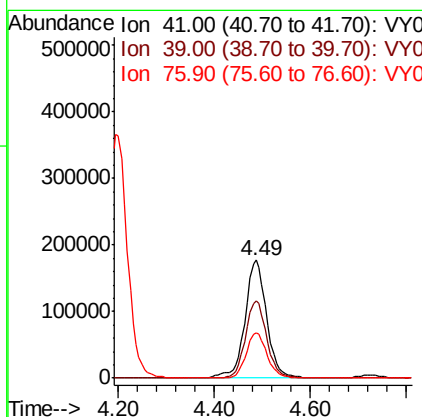
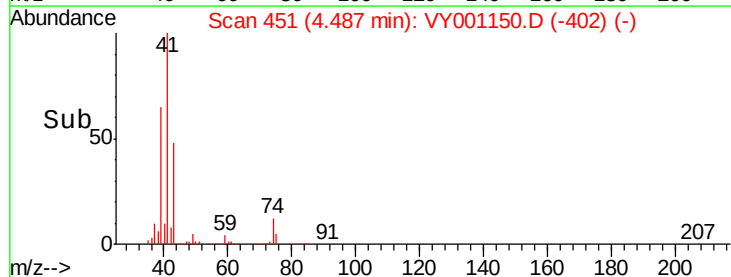
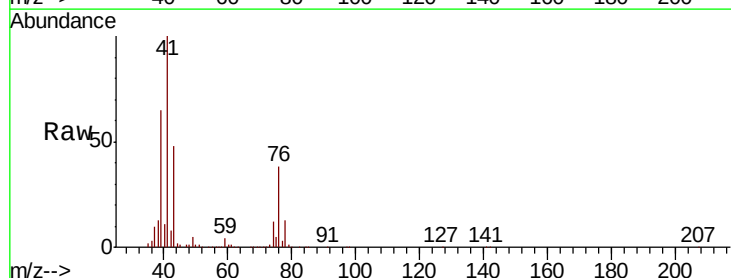
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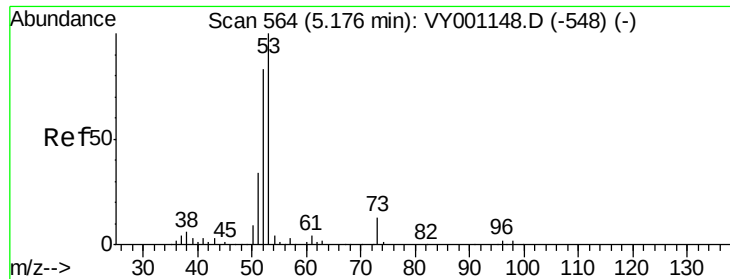
MMDadoda  
1/13/2020 12:39:06 PM



#14  
Allyl chloride  
Concen: 141.633 ug/l  
RT: 4.49 min Scan# 451  
Delta R.T. -0.00 min  
Lab File: VY001150.D  
Acq: 10 Jan 2020 15:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 41      | 100   |       |       |
| 39      | 64.5  | 52.6  | 78.8  |
| 76      | 36.9  | 30.2  | 45.2  |





#15

Acrylonitrile

Concen: 703.357 ug/l

RT: 5.18 min Scan# 564

Delta R.T. -0.00 min

Lab File: VY001150.D

Acq: 10 Jan 2020 15:45

Instrument :

MSVOA\_Y

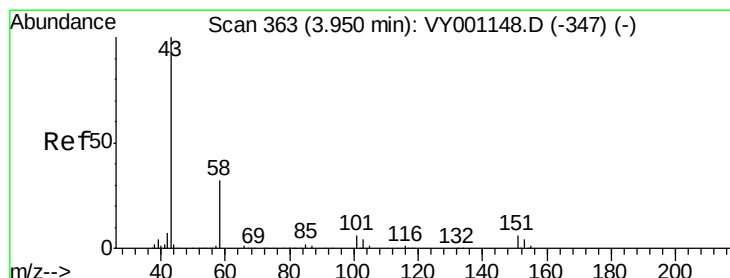
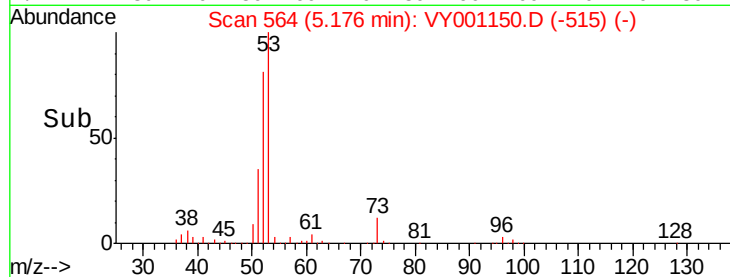
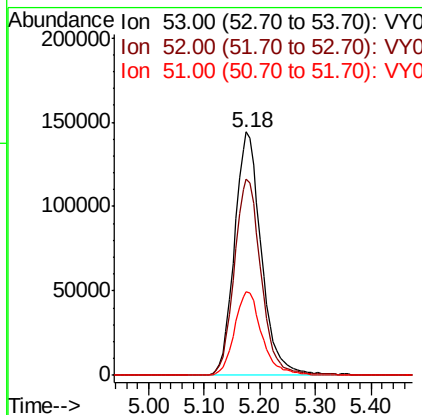
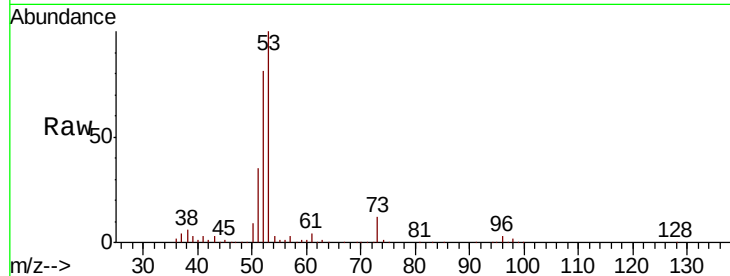
ClientSampleId :

VSTDIC150

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 53    | Resp: | 480943 |
| Ion      | Ratio | Lower | Upper  |
| 53       | 100   |       |        |
| 52       | 80.5  | 65.7  | 98.5   |
| 51       | 35.4  | 28.7  | 43.1   |

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#16

Acetone

Concen: 718.099 ug/l

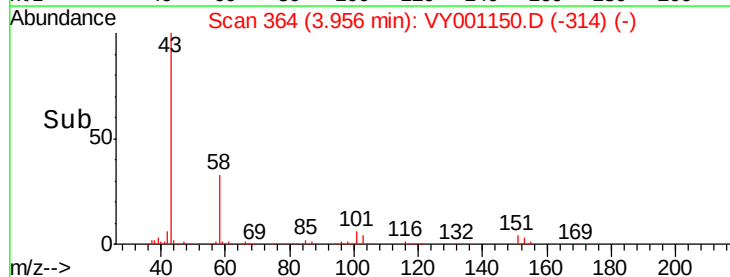
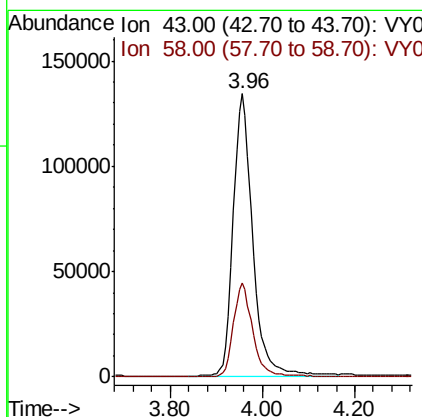
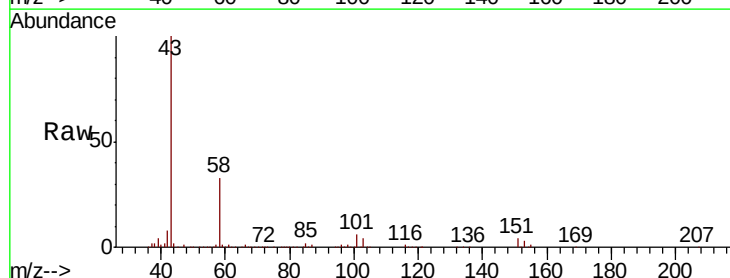
RT: 3.96 min Scan# 364

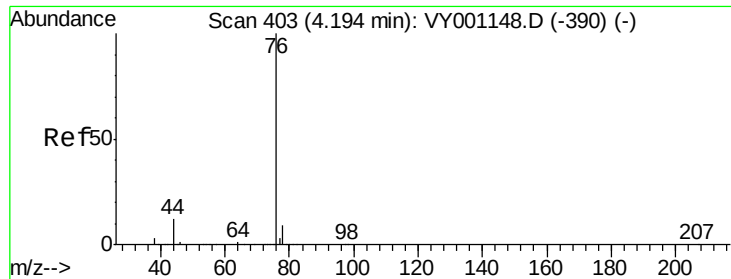
Delta R.T. 0.01 min

Lab File: VY001150.D

Acq: 10 Jan 2020 15:45

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 43    | Resp: | 397930 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 58       | 33.0  | 25.8  | 38.6   |





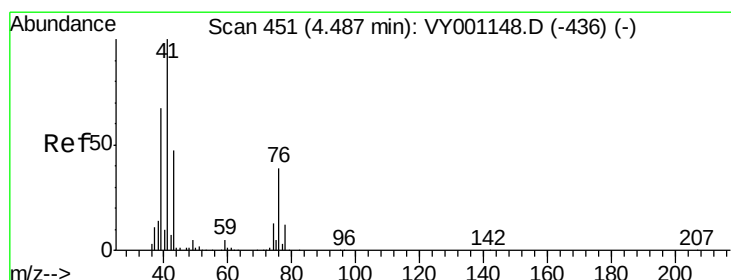
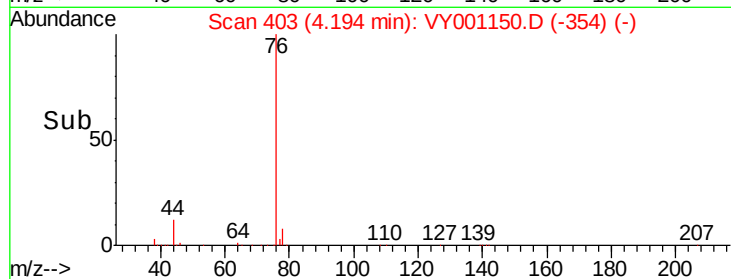
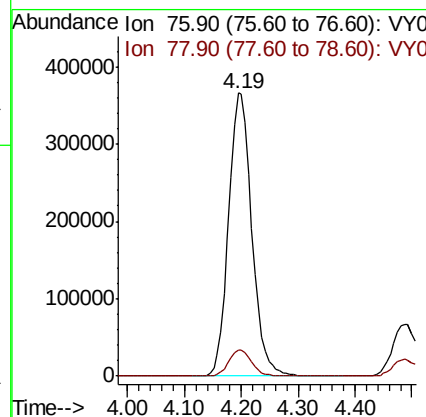
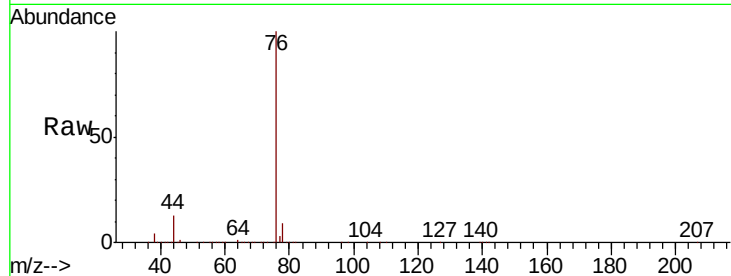
#17  
Carbon Disulfide  
Concen: 137.806 ug/l  
RT: 4.19 min Scan# 403  
Delta R.T. -0.00 min  
Lab File: VY001150.D  
Acq: 10 Jan 2020 15:45

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC150

Tot Ion: 76 Resp: 1036822  
Ion Ratio Lower Upper  
76 100  
78 9.0 7.2 10.8

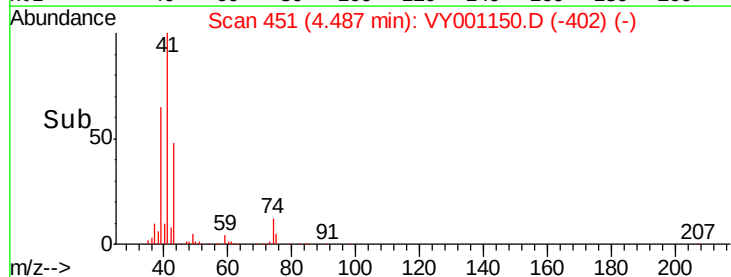
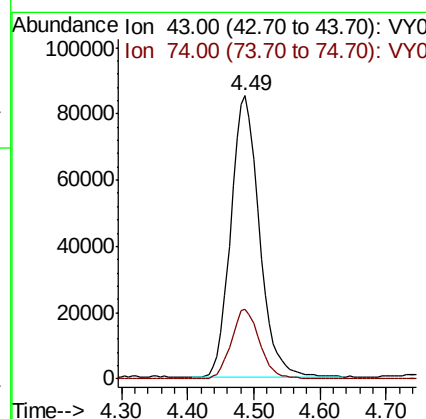
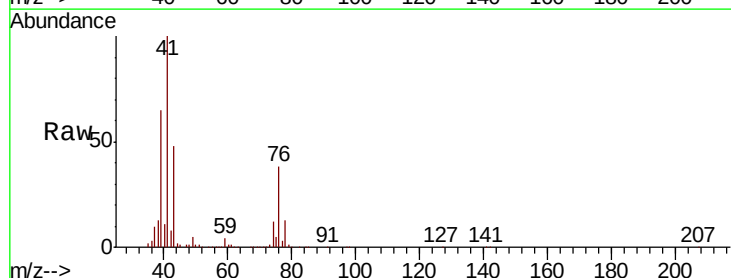
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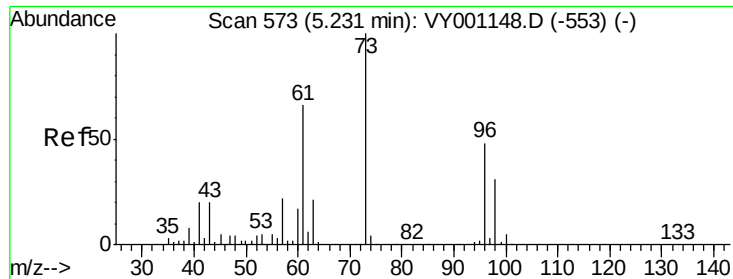
MMDadoda  
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#18  
Methyl Acetate  
Concen: 137.263 ug/l  
RT: 4.49 min Scan# 451  
Delta R.T. -0.00 min  
Lab File: VY001150.D  
Acq: 10 Jan 2020 15:45

Tgt Ion: 43 Resp: 253286  
Ion Ratio Lower Upper  
43 100  
74 24.9 20.2 30.2





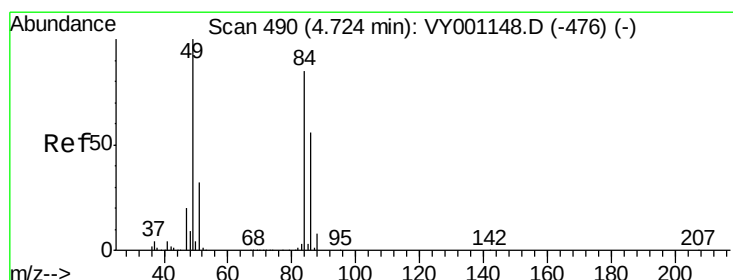
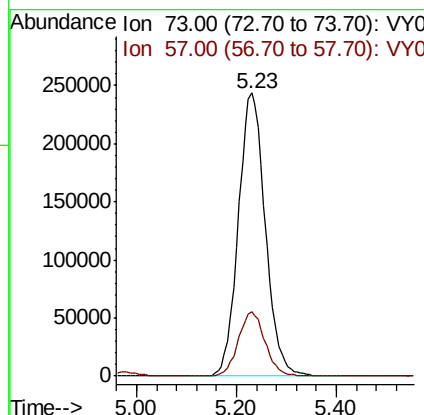
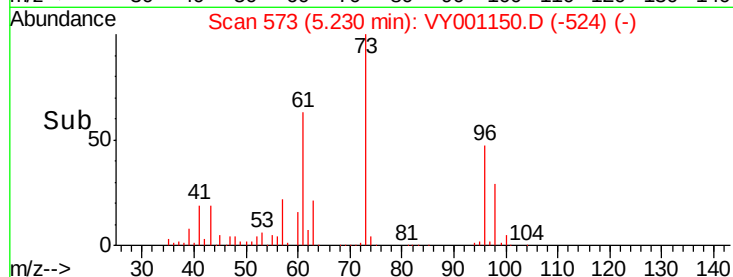
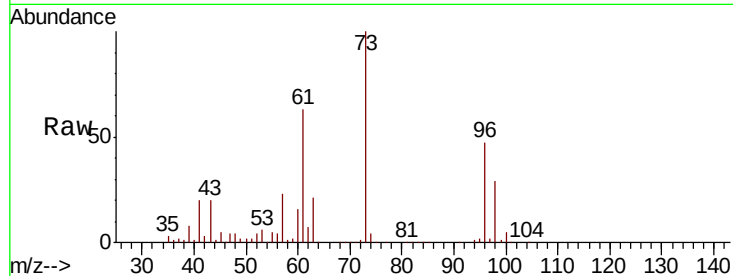
#19  
Methyl tert-butyl Ether  
Concen: 142.418 ug/l  
RT: 5.23 min Scan# 573  
Delta R.T. -0.00 min  
Lab File: VY001150.D  
Acq: 10 Jan 2020 15:45

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC150

Tot Ion: 73 Resp: 911041  
Ion Ratio Lower Upper  
73 100  
57 22.5 17.8 26.6

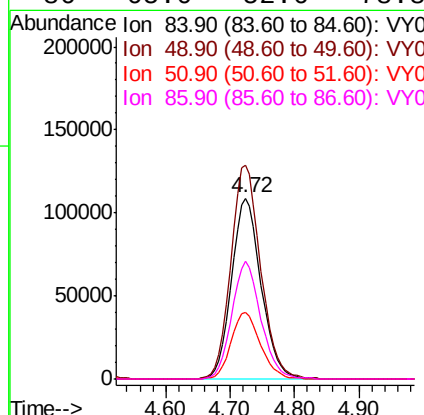
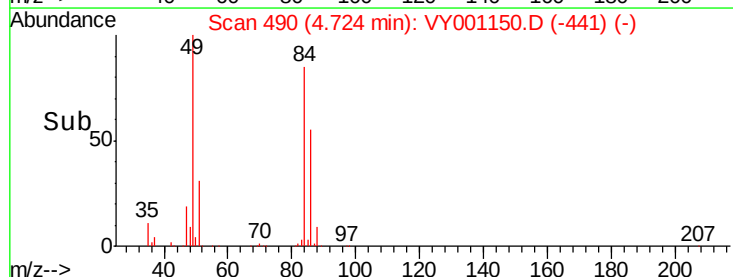
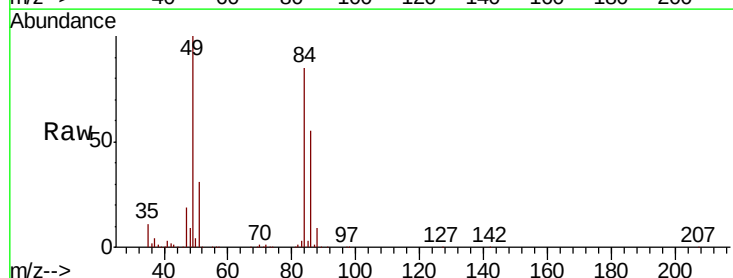
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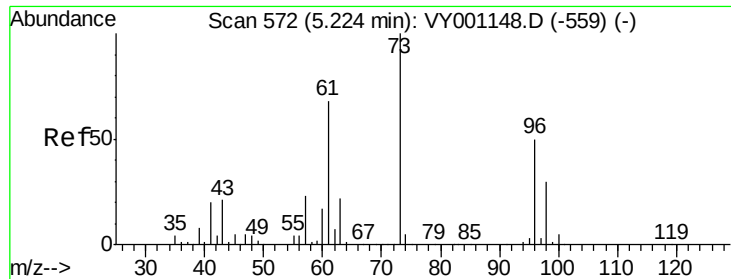
MMDadoda  
1/13/2020 12:39:06 PM



#20  
Methylene Chloride  
Concen: 108.734 ug/l  
RT: 4.72 min Scan# 490  
Delta R.T. -0.00 min  
Lab File: VY001150.D  
Acq: 10 Jan 2020 15:45

Tgt Ion: 84 Resp: 349171  
Ion Ratio Lower Upper  
84 100  
49 118.2 93.8 140.6  
51 37.0 29.9 44.9  
86 65.0 52.6 78.8





#21

trans-1,2-Dichloroethene

Concen: 136.503 ug/l

RT: 5.23 min Scan# 573

Delta R.T. 0.01 min

Lab File: VY001150.D

Acq: 10 Jan 2020 15:45

Instrument :

MSVOA\_Y

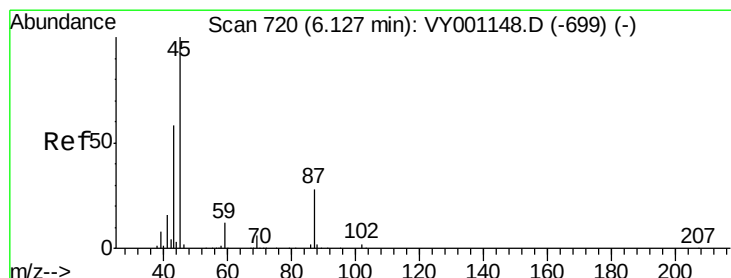
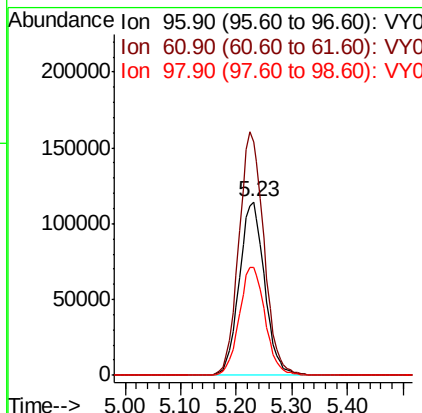
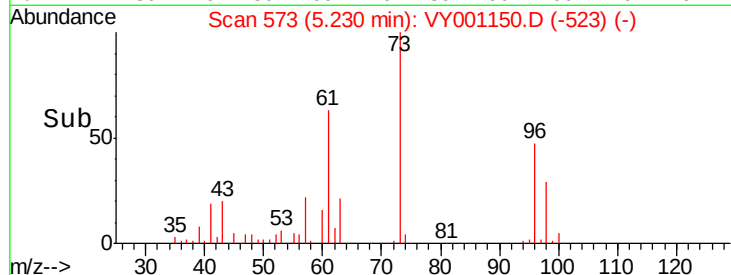
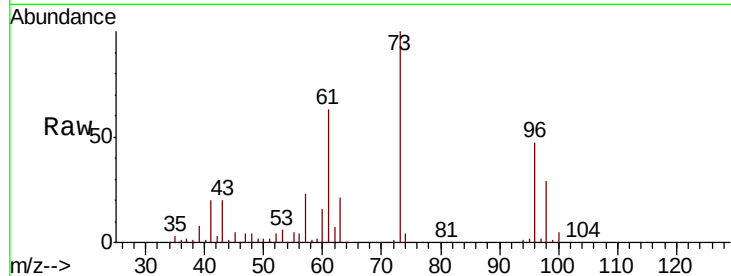
ClientSampleId :

VSTDIC150

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 96    | Resp: | 360335 |
| Ion      | Ratio | Lower | Upper  |
| 96       | 100   |       |        |
| 61       | 134.5 | 107.6 | 161.4  |
| 98       | 62.0  | 47.6  | 71.4   |

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#22

Diisopropyl ether

Concen: 144.088 ug/l

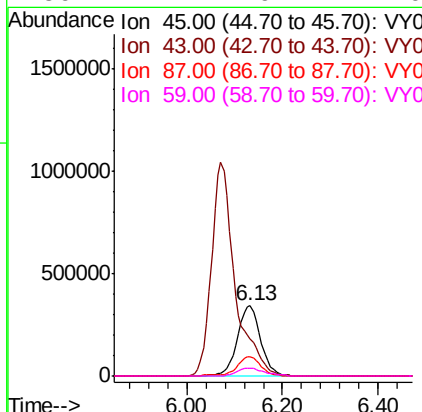
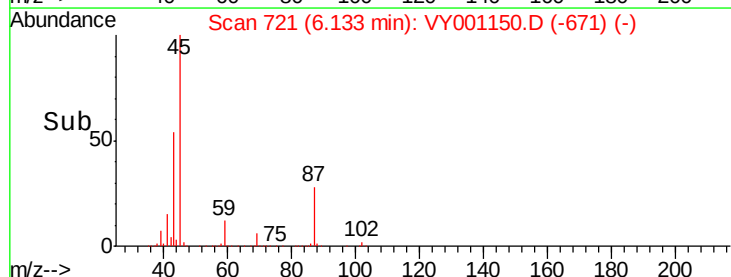
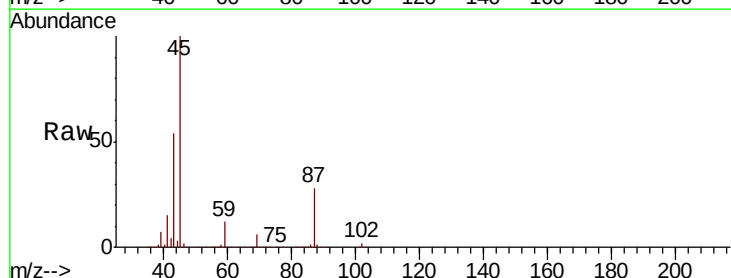
RT: 6.13 min Scan# 721

Delta R.T. 0.01 min

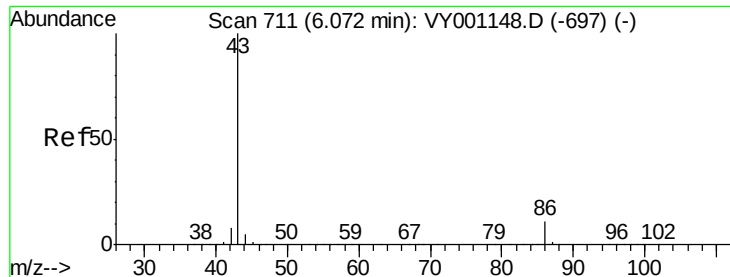
Lab File: VY001150.D

Acq: 10 Jan 2020 15:45

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 45    | Resp: | 1146537 |
| Ion      | Ratio | Lower | Upper   |
| 45       | 100   |       |         |
| 43       | 53.5  | 46.5  | 69.7    |
| 87       | 28.2  | 22.5  | 33.7    |
| 59       | 11.7  | 9.4   | 14.0    |







#23

Vinyl Acetate

Concen: 690.328 ug/l

RT: 6.07 min Scan# 711

Delta R.T. -0.00 min

Lab File: VY001150.D

Acq: 10 Jan 2020 15:45

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 3536886

Ion Ratio Lower Upper

43 100

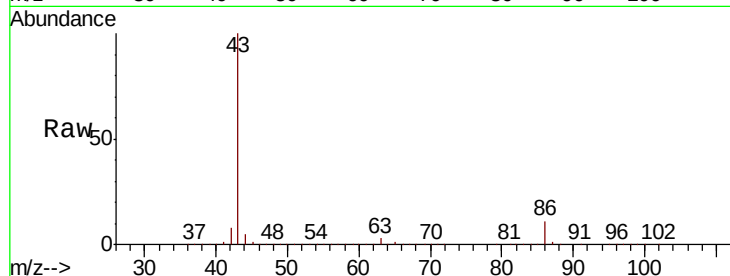
86 11.1 9.0 13.4

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0

1200000

1000000

800000

600000

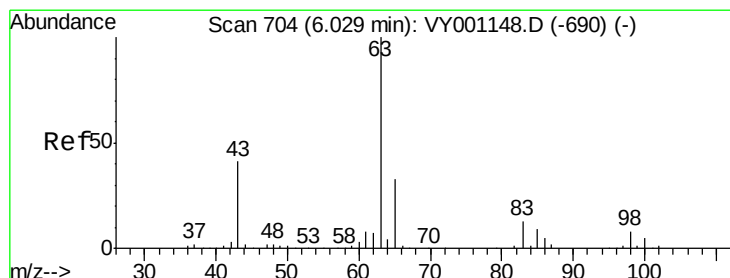
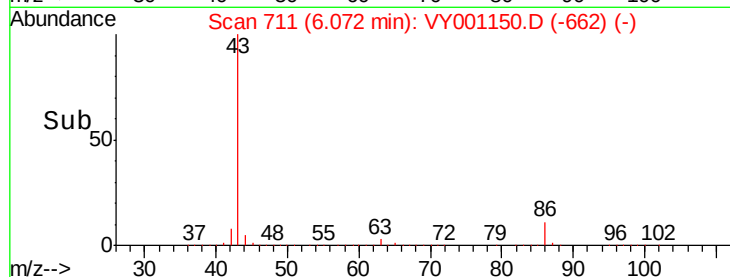
400000

200000

0

Time-->

5.90 6.00 6.10 6.20 6.30



#24

1,1-Dichloroethane

Concen: 140.190 ug/l

RT: 6.03 min Scan# 704

Delta R.T. -0.00 min

Lab File: VY001150.D

Acq: 10 Jan 2020 15:45

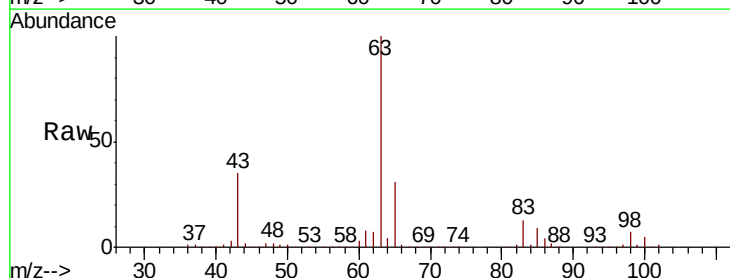
Tgt Ion: 63 Resp: 613376

Ion Ratio Lower Upper

63 100

98 7.4 3.9 11.7

100 4.5 2.4 7.2



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0

250000

200000

150000

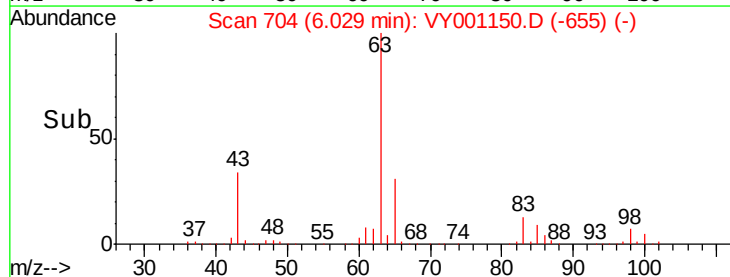
100000

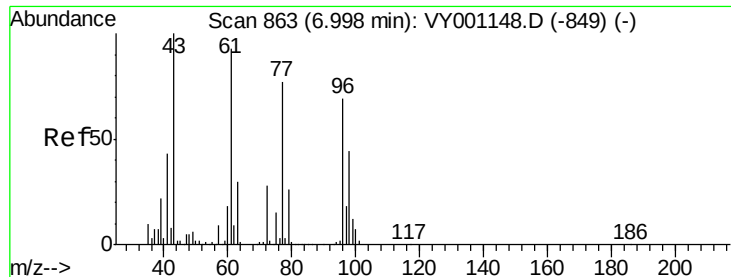
50000

0

Time-->

5.90 6.00 6.10 6.20





#25

2-Butanone

Concen: 693.761 ug/l

RT: 7.00 min Scan# 863

Delta R.T. -0.00 min

Lab File: VY001150.D

Acq: 10 Jan 2020 15:45

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 601606

Ion Ratio Lower Upper

43 100

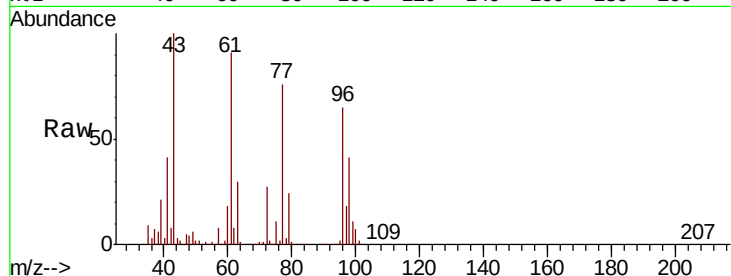
72 26.9 22.2 33.2

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Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0

250000

200000

150000

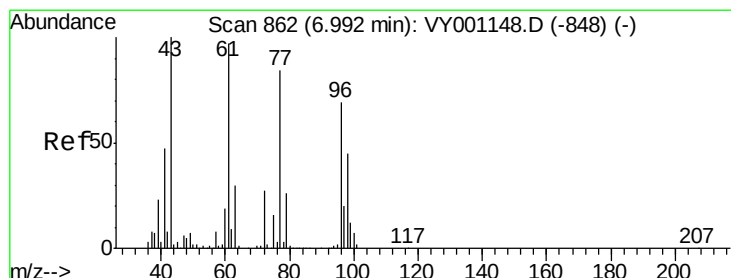
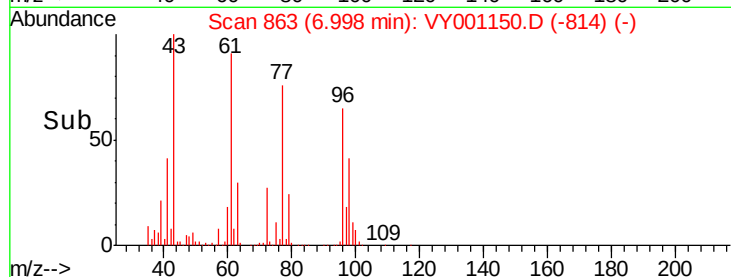
100000

50000

0

6.90 6.95 7.00 7.05

Time-->



#26

2,2-Dichloropropane

Concen: 132.638 ug/l

RT: 6.99 min Scan# 862

Delta R.T. -0.00 min

Lab File: VY001150.D

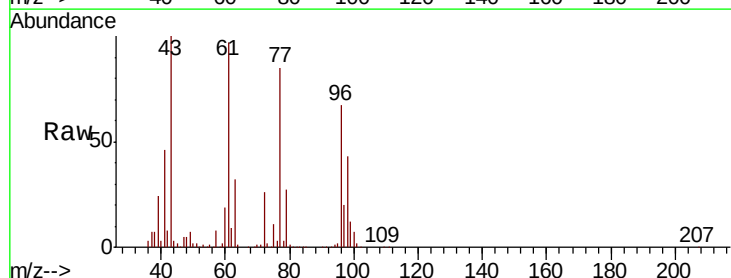
Acq: 10 Jan 2020 15:45

Tgt Ion: 77 Resp: 538227

Ion Ratio Lower Upper

77 100

97 23.0 11.9 35.7



Abundance Ion 76.90 (76.60 to 77.60): VY0

Ion 96.90 (96.60 to 97.60): VY0

200000

150000

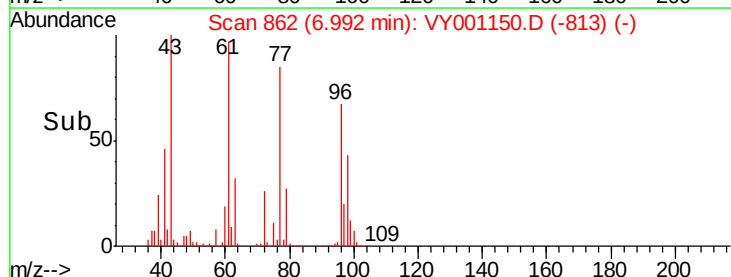
100000

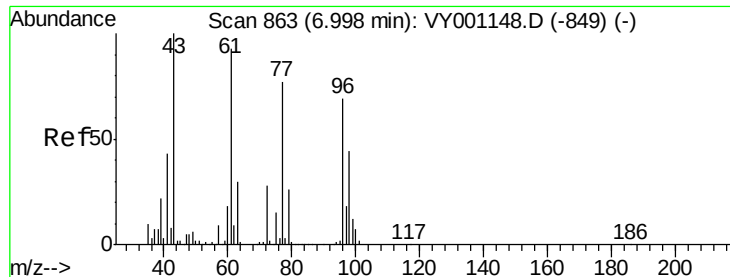
50000

0

6.80 6.90 7.00 7.10 7.20

Time-->





#27

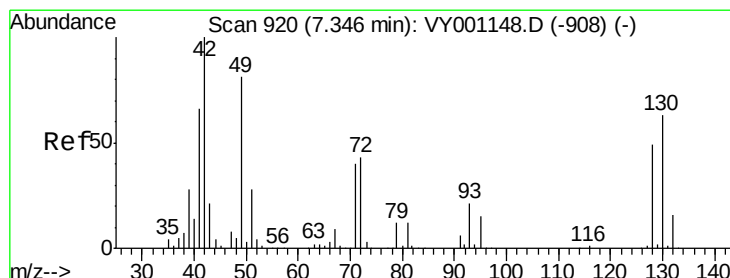
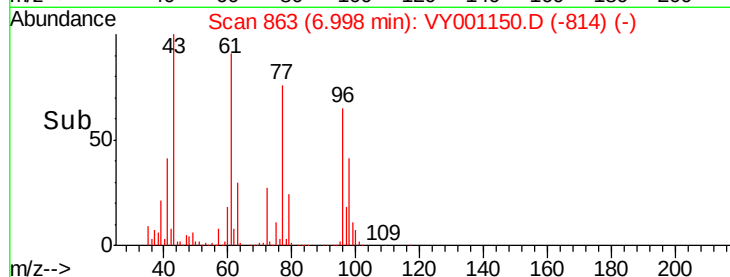
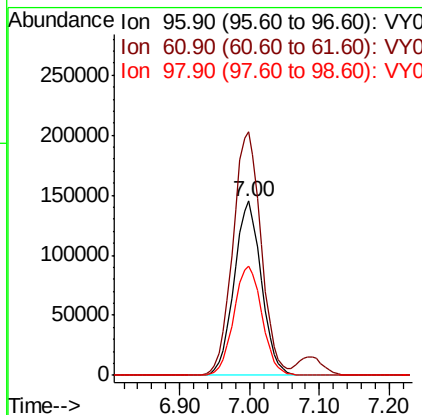
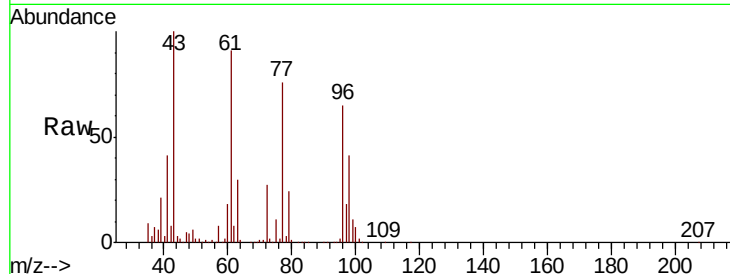
cis-1,2-Dichloroethene  
Concen: 135.576 ug/l  
RT: 7.00 min Scan# 863  
Delta R.T. -0.00 min  
Lab File: VY001150.D  
Acq: 10 Jan 2020 15:45

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC150

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 96      | 100   |      |       |       |
| 61      | 144.5 | 0.0  | 284.0 |       |
| 98      | 64.9  | 0.0  | 130.2 |       |

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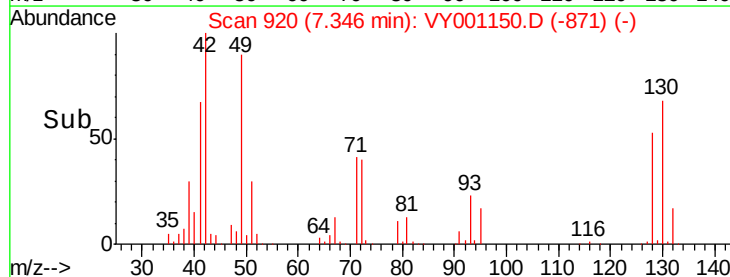
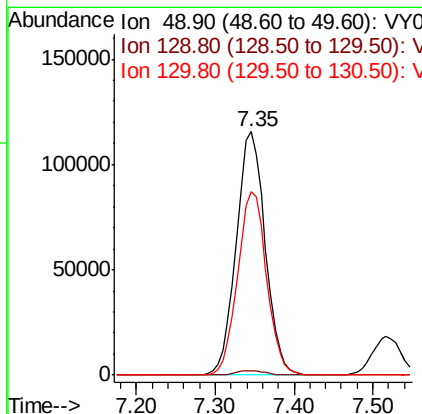
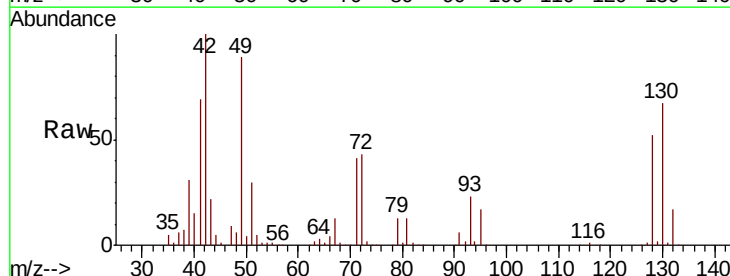
MMDadoda  
1/13/2020 12:39:06 PM

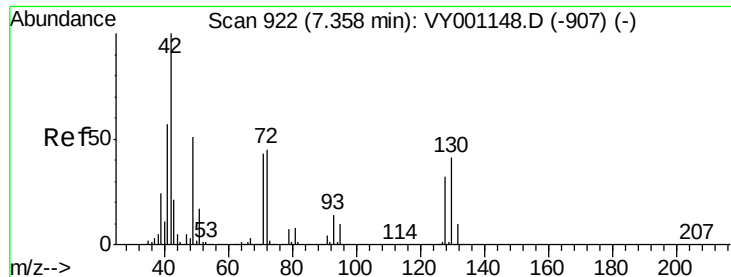


#28

Bromochloromethane  
Concen: 169.919 ug/l  
RT: 7.35 min Scan# 920  
Delta R.T. -0.00 min  
Lab File: VY001150.D  
Acq: 10 Jan 2020 15:45

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 49      | 100   |      |       |       |
| 129     | 1.9   | 0.0  | 4.4   |       |
| 130     | 75.5  | 61.2 | 91.8  |       |





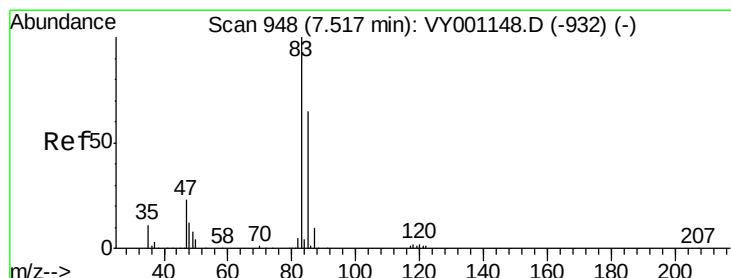
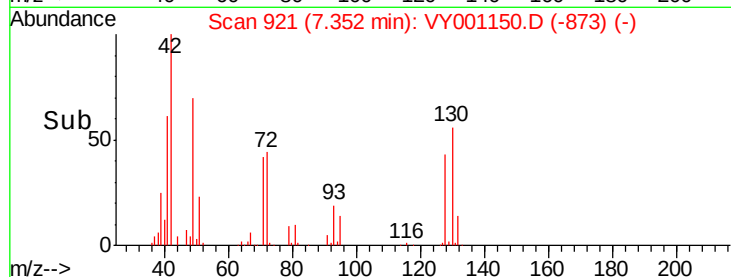
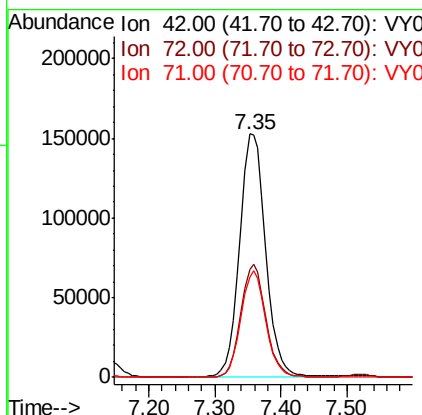
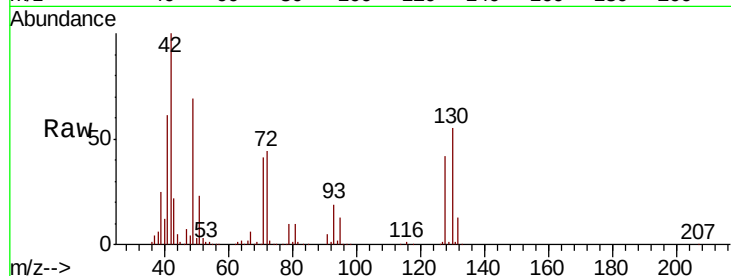
#29  
Tetrahydrofuran  
Concen: 708.584 ug/l  
RT: 7.35 min Scan# 921  
Delta R.T. -0.01 min  
Lab File: VY001150.D  
Acq: 10 Jan 2020 15:45

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC150

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 44.5  | 36.9  | 55.3  |
| 71      | 41.8  | 34.0  | 51.0  |

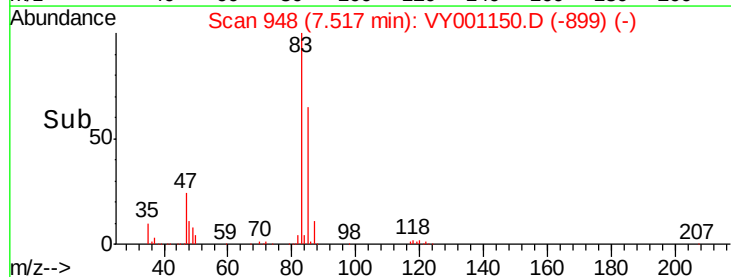
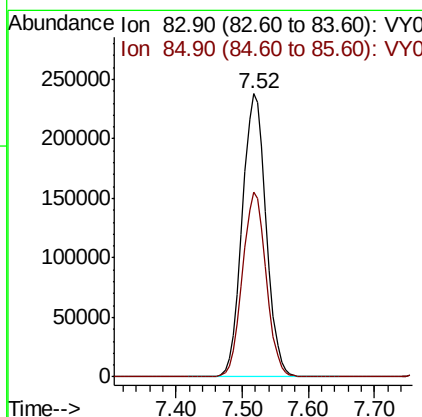
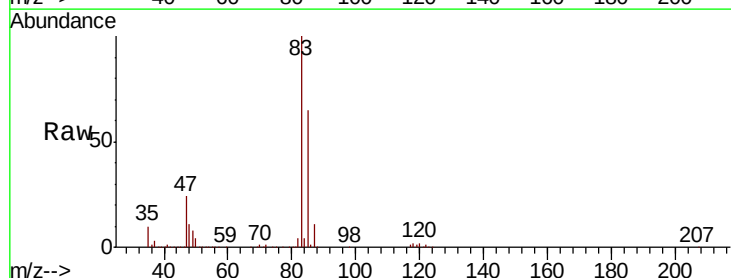
Manual Integrations  
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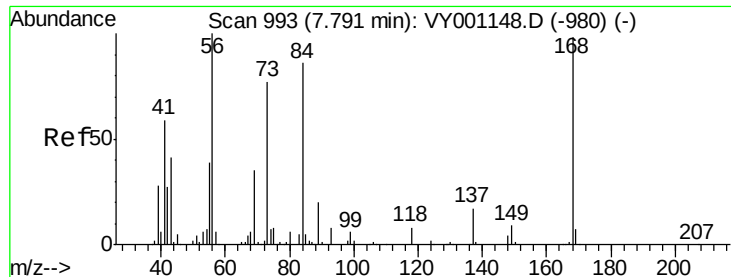
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#30  
Chloroform  
Concen: 139.241 ug/l  
RT: 7.52 min Scan# 948  
Delta R.T. -0.00 min  
Lab File: VY001150.D  
Acq: 10 Jan 2020 15:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 65.3  | 51.9  | 77.9  |





#31

Cyclohexane

Concen: 129.846 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.00 min

Lab File: VY001150.D

Acq: 10 Jan 2020 15:45

Instrument :

MSVOA\_Y

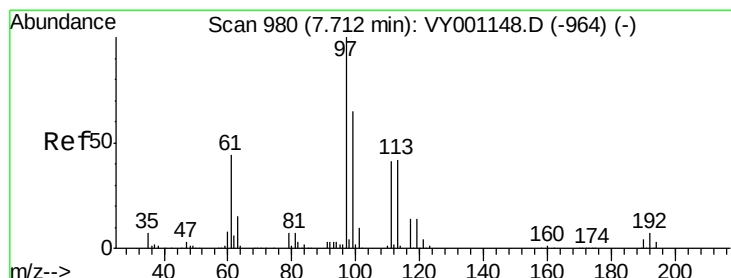
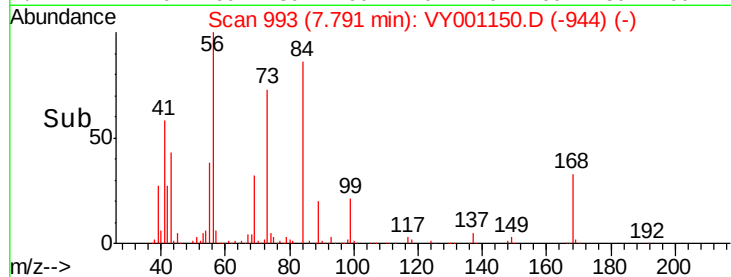
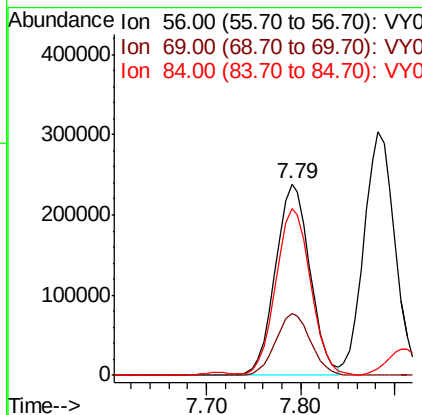
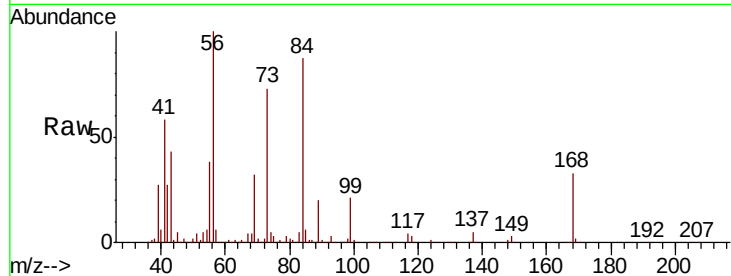
ClientSampleId :

VSTDIC150

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 56    | Resp: | 608592 |
| Ion      | Ratio | Lower | Upper  |
| 56       | 100   |       |        |
| 69       | 32.2  | 27.8  | 41.8   |
| 84       | 86.6  | 68.9  | 103.3  |

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#32

1,1,1-Trichloroethane

Concen: 136.677 ug/l

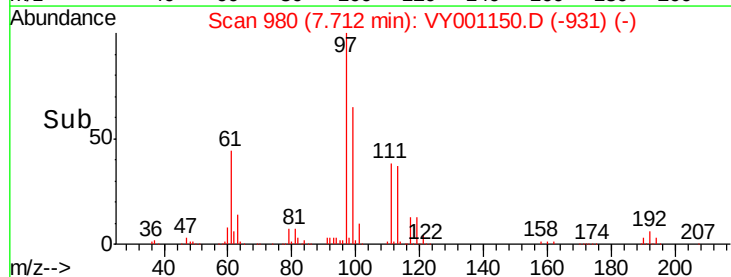
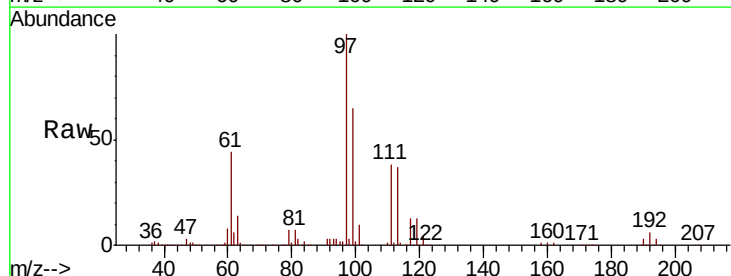
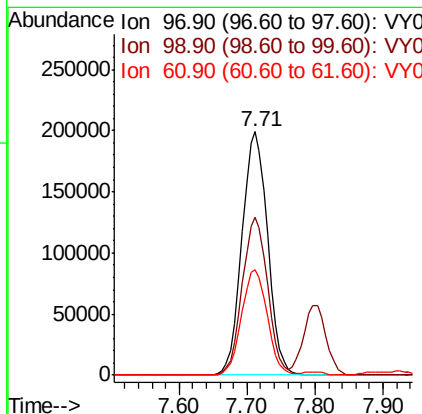
RT: 7.71 min Scan# 980

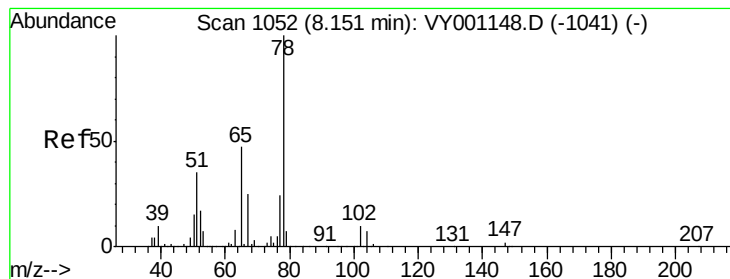
Delta R.T. -0.00 min

Lab File: VY001150.D

Acq: 10 Jan 2020 15:45

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 97    | Resp: | 521955 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 99       | 64.1  | 51.3  | 76.9   |
| 61       | 43.3  | 34.6  | 52.0   |





#33

1,2-Dichloroethane-d4

Concen: 151.393 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. -0.00 min

Lab File: VY001150.D

Acq: 10 Jan 2020 15:45

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDIC150

Tot Ion: 65 Resp: 358119

Ion Ratio Lower Upper

65 100

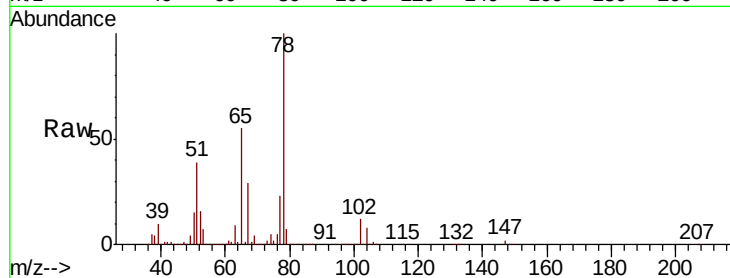
67 53.6 0.0 105.2

Manual Integrations

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Abundance Ion 64.90 (64.60 to 65.60): VY001148.D (-1041) (-)

Ion 66.90 (66.60 to 67.60): VY001148.D (-1041) (-)

8.15

150000

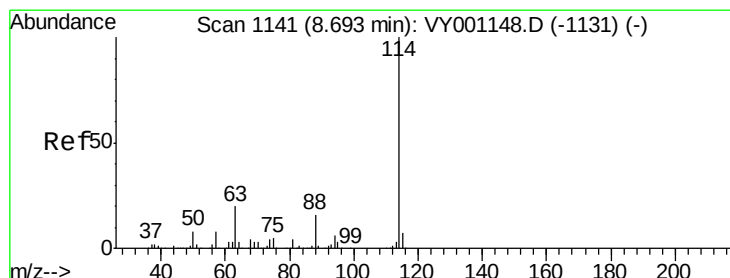
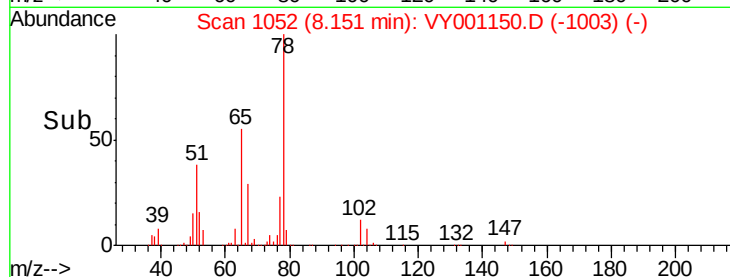
100000

50000

0

8.05 8.10 8.15 8.20 8.25

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.70 min Scan# 1142

Delta R.T. 0.01 min

Lab File: VY001150.D

Acq: 10 Jan 2020 15:45

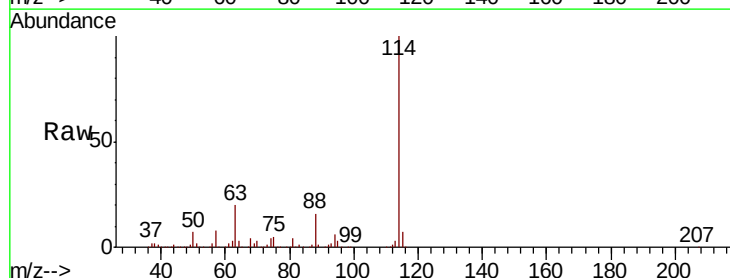
Tgt Ion: 114 Resp: 392970

Ion Ratio Lower Upper

114 100

63 20.4 0.0 40.8

88 15.8 0.0 32.4



Abundance Ion 113.90 (113.60 to 114.60): VY001148.D (-1131) (-)

Ion 63.00 (62.70 to 63.70): VY001148.D (-1131) (-)

Ion 87.90 (87.60 to 88.60): VY001148.D (-1131) (-)

8.70

250000

200000

150000

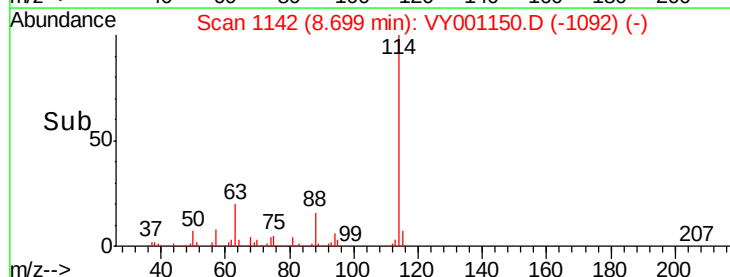
100000

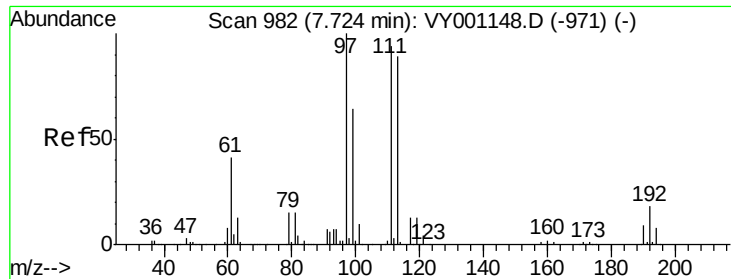
50000

0

8.60 8.65 8.70 8.75 8.80

Time-->





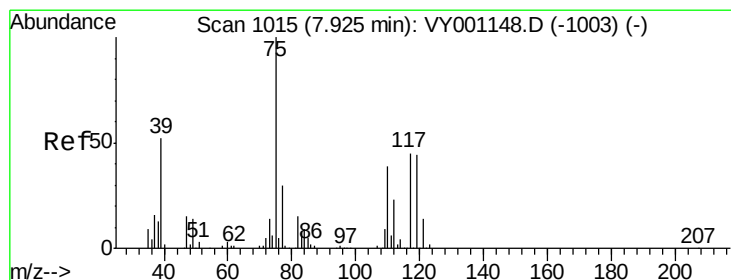
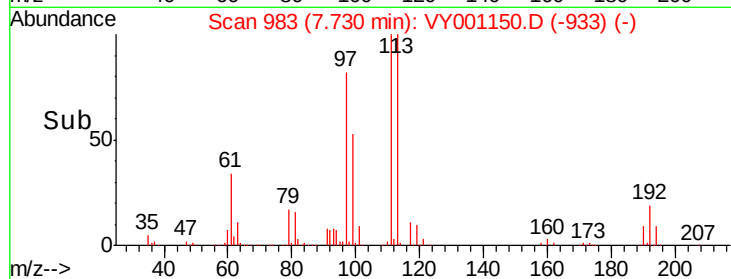
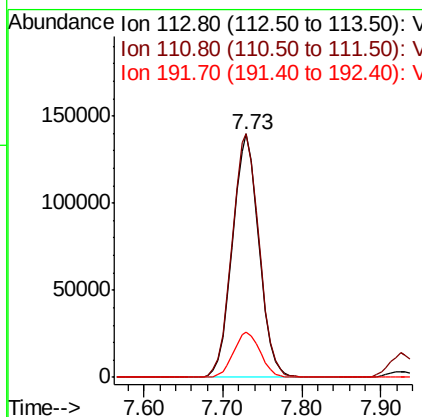
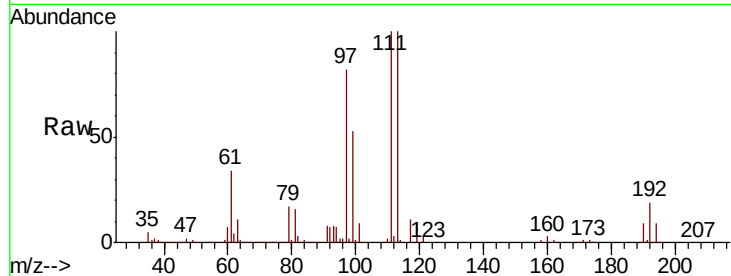
#35  
 Dibromofluoromethane  
 Concen: 139.683 ug/l  
 RT: 7.73 min Scan# 983  
 Delta R.T. 0.01 min  
 Lab File: VY001150.D  
 Acq: 10 Jan 2020 15:45

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDIC150

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 113     | 100   | 325114 |       |       |
| 111     | 102.3 | 82.9   | 124.3 |       |
| 192     | 18.9  | 15.4   | 23.2  |       |

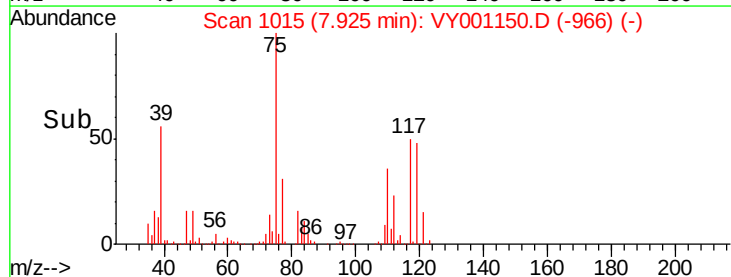
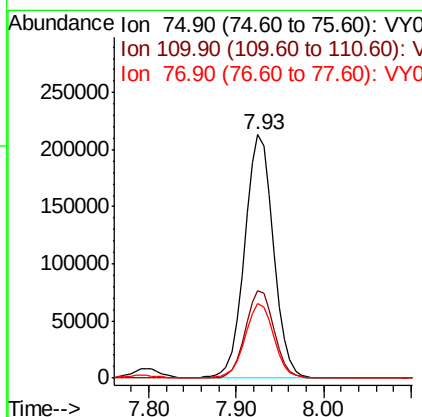
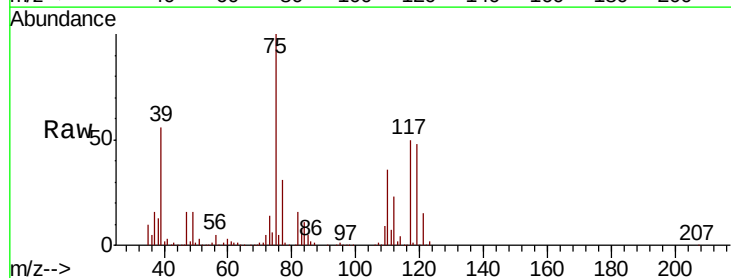
Manual Integrations  
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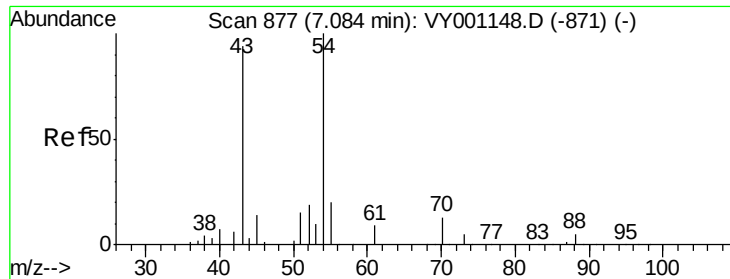
MMDadoda  
 1/13/2020 12:39:06 PM



#36  
 1,1-Dichloropropene  
 Concen: 132.369 ug/l  
 RT: 7.93 min Scan# 1015  
 Delta R.T. -0.00 min  
 Lab File: VY001150.D  
 Acq: 10 Jan 2020 15:45

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 75      | 100   | 483575 |       |       |
| 110     | 36.0  | 18.3   | 54.8  |       |
| 77      | 31.0  | 25.1   | 37.7  |       |





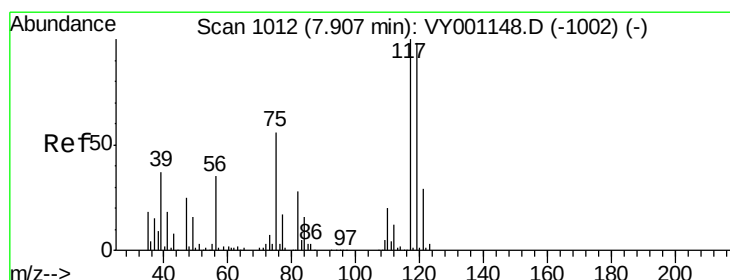
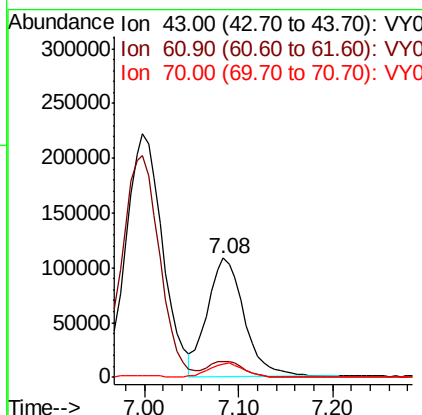
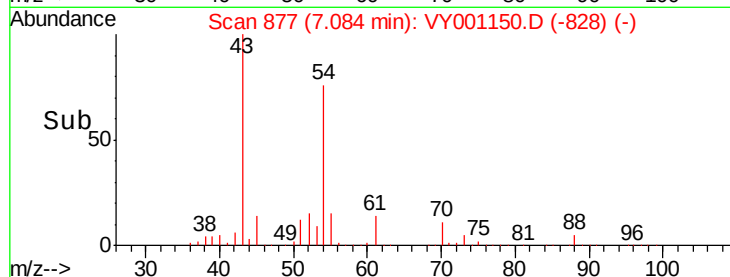
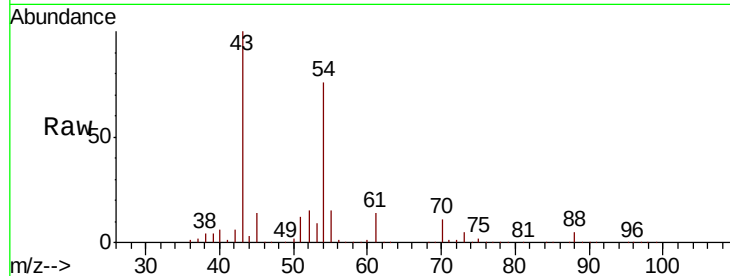
#37  
Ethyl Acetate  
Concen: 137.798 ug/l  
RT: 7.08 min Scan# 877  
Delta R.T. -0.00 min  
Lab File: VY001150.D  
Acq: 10 Jan 2020 15:45

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC150

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 13.7  | 11.1  | 16.7  |
| 70      | 11.3  | 9.7   | 14.5  |

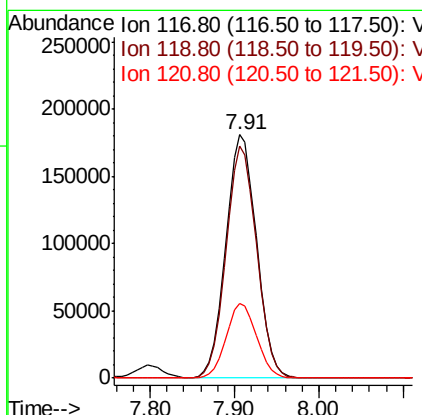
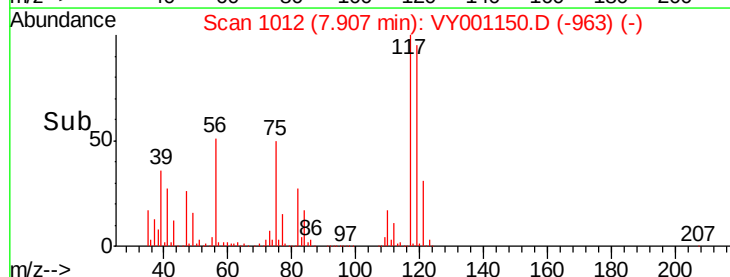
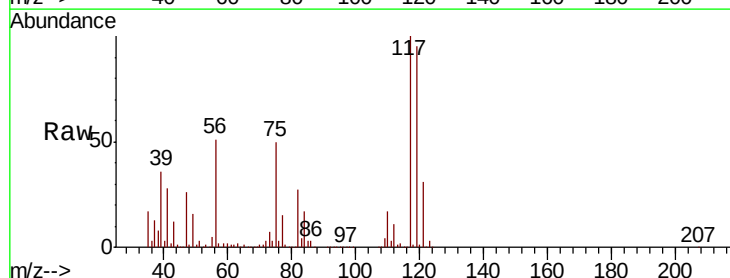
Manual Integrations  
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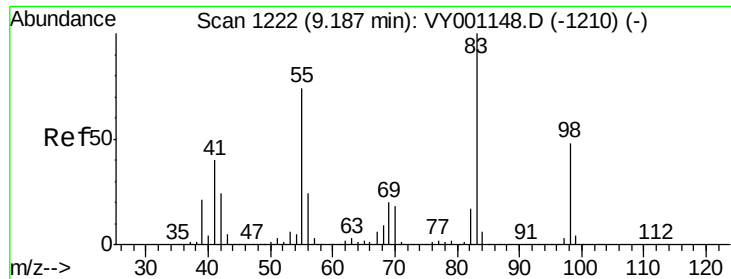


#38  
Carbon Tetrachloride  
Concen: 134.250 ug/l  
RT: 7.91 min Scan# 1012  
Delta R.T. -0.00 min  
Lab File: VY001150.D  
Acq: 10 Jan 2020 15:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 95.1  | 78.3  | 117.5 |
| 121     | 30.7  | 23.5  | 35.3  |







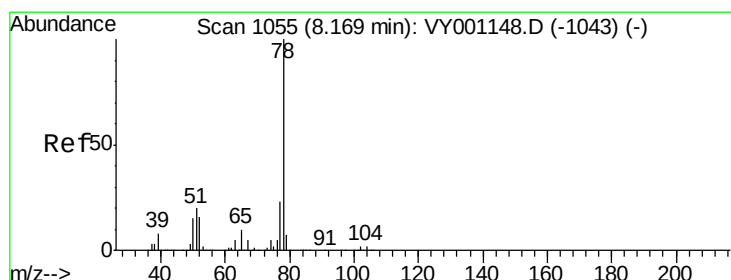
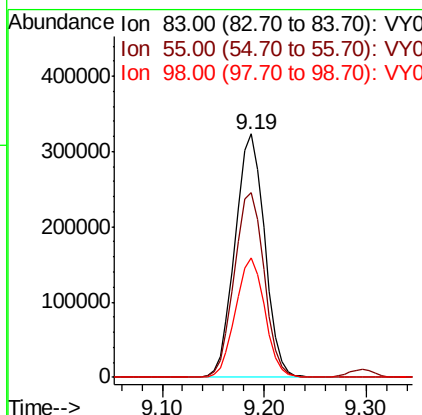
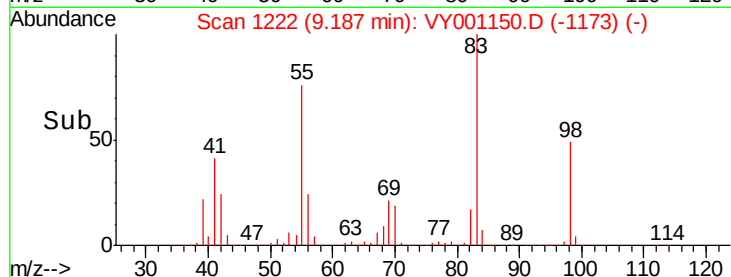
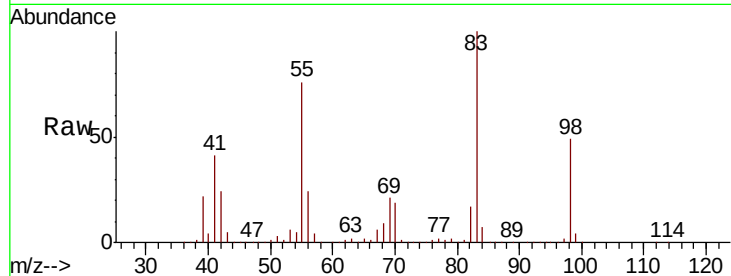
#39  
Methylvlcyclohexane  
Concen: 131.531 ug/l  
RT: 9.19 min Scan# 1222  
Delta R.T. -0.00 min  
Lab File: VY001150.D  
Acq: 10 Jan 2020 15:45

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC150

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 76.1  | 58.9  | 88.3  |
| 98      | 49.0  | 38.4  | 57.6  |

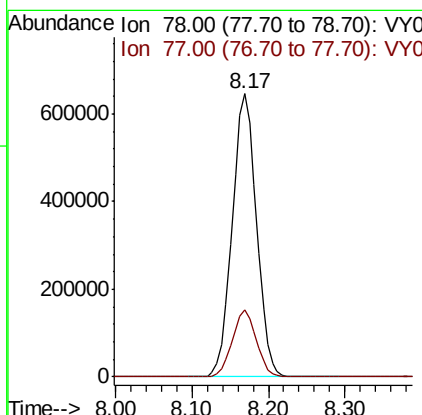
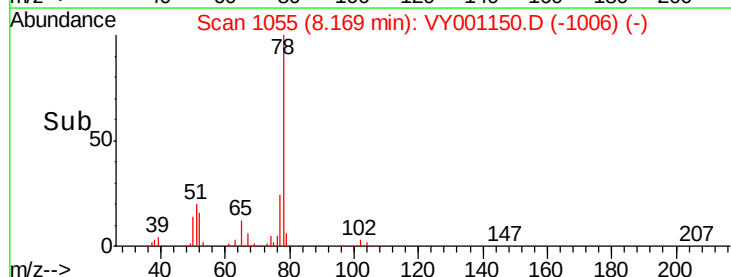
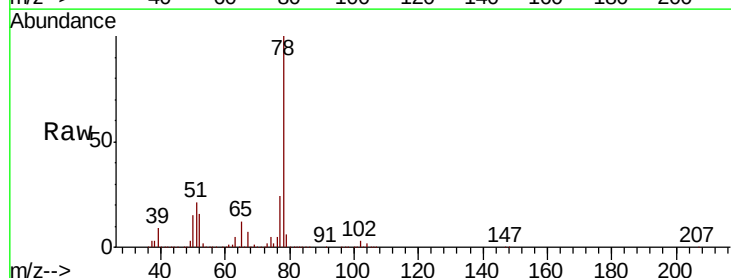
Manual Integrations  
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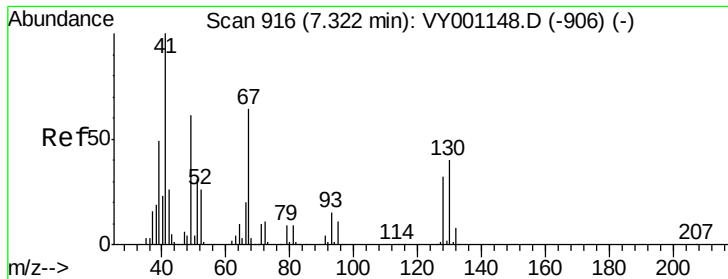
MMDadoda  
1/13/2020 12:39:06 PM



#40  
Benzene  
Concen: 133.015 ug/l  
RT: 8.17 min Scan# 1055  
Delta R.T. -0.00 min  
Lab File: VY001150.D  
Acq: 10 Jan 2020 15:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 23.9  | 18.8  | 28.2  |





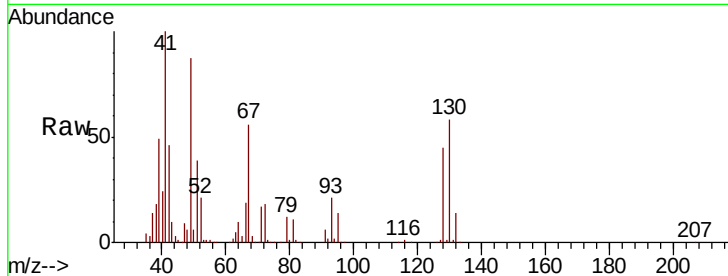
#41  
Methacrylonitrile  
Concen: 131.864 ug/l m  
RT: 7.33 min Scan# 917  
Delta R.T. 0.01 min  
Lab File: VY001150.D  
Acq: 10 Jan 2020 15:45

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC150

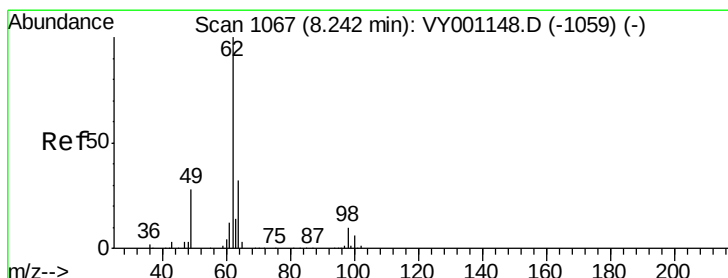
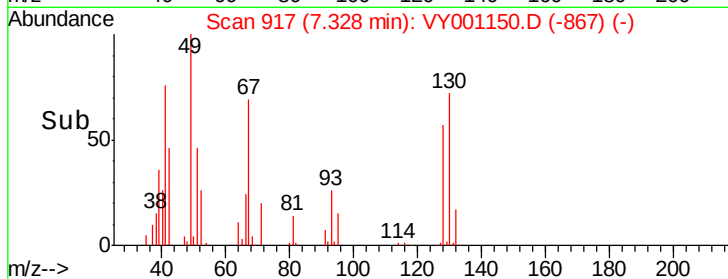
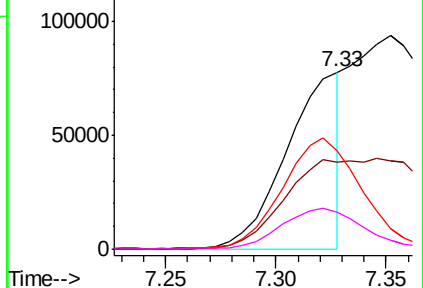
| Tot Ion | 41    | Resp  | 132879 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 41      | 100   |       |        |
| 39      | 135.0 | 103.5 | 155.3  |
| 67      | 0.0   | 0.0   | 0.0    |
| 52      | 0.0   | 0.0   | 0.0    |

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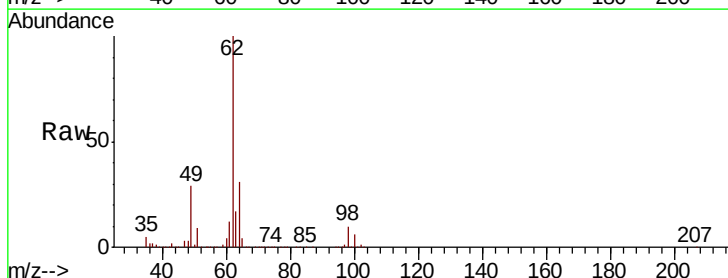


Abundance Ion 41.00 (40.70 to 41.70): VY0  
Ion 39.00 (38.70 to 39.70): VY0  
Ion 67.00 (66.70 to 67.70): VY0  
Ion 52.00 (51.70 to 52.70): VY0

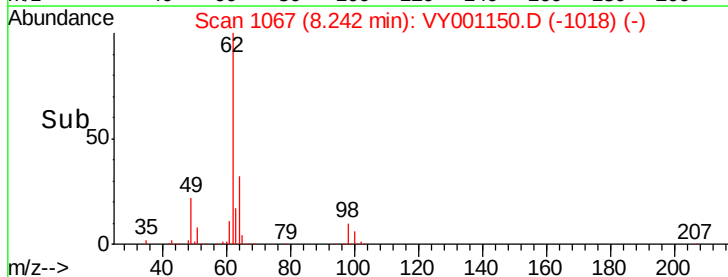
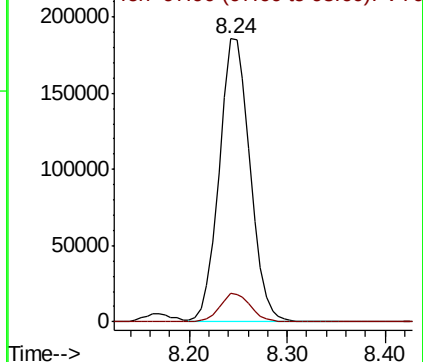


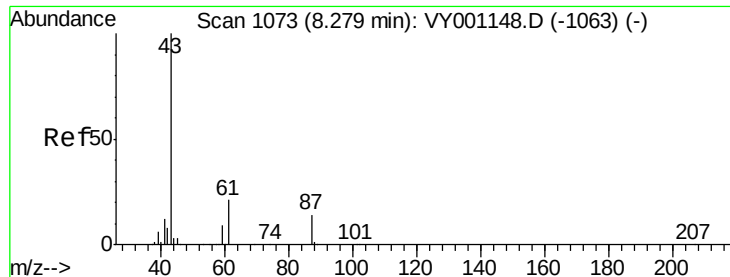
#42  
1,2-Dichloroethane  
Concen: 136.498 ug/l  
RT: 8.24 min Scan# 1067  
Delta R.T. -0.00 min  
Lab File: VY001150.D  
Acq: 10 Jan 2020 15:45

| Tgt Ion | 62    | Resp  | 405693 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 62      | 100   |       |        |
| 98      | 10.0  | 0.0   | 20.4   |



Abundance Ion 61.90 (61.60 to 62.60): VY0  
Ion 97.90 (97.60 to 98.60): VY0





#43

Isopropyl Acetate

Concen: 136.571 ug/l

RT: 8.28 min Scan# 1073

Delta R.T. -0.00 min

Lab File: VY001150.D

Acq: 10 Jan 2020 15:45

Instrument :

MSVOA\_Y

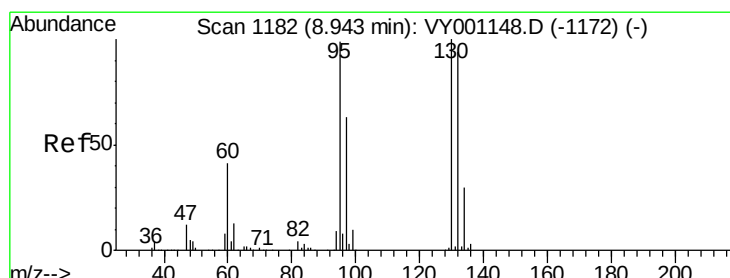
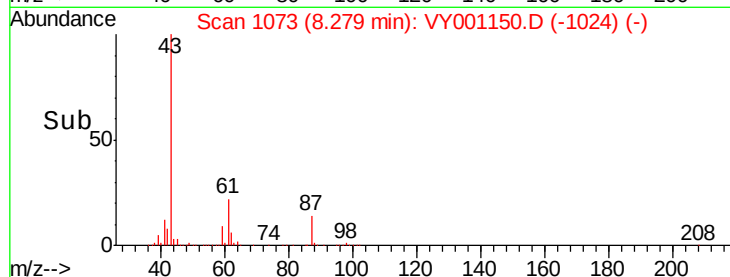
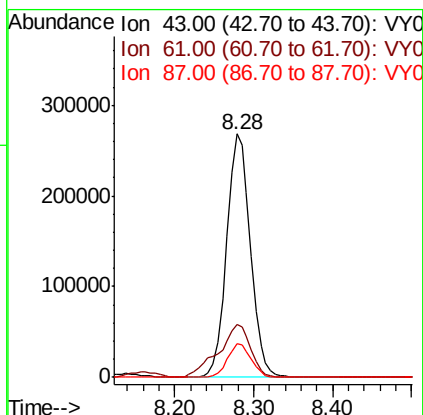
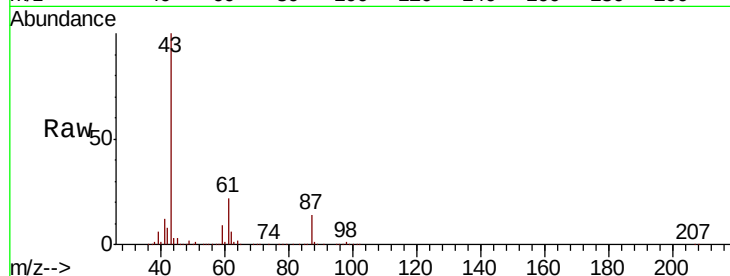
ClientSampleId :

VSTDIC150

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 43    | Resp: | 557255 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 61       | 29.4  | 23.9  | 35.9   |
| 87       | 13.8  | 11.4  | 17.2   |

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#44

Trichloroethene

Concen: 134.087 ug/l

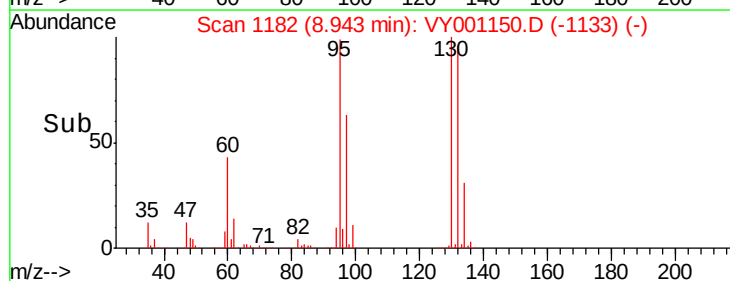
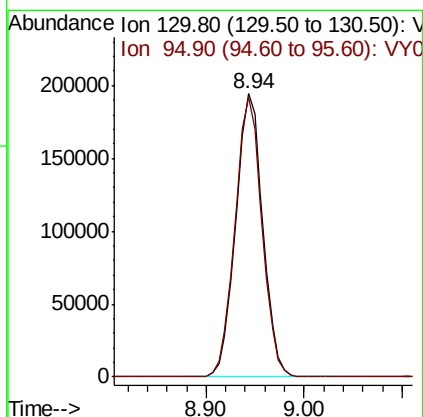
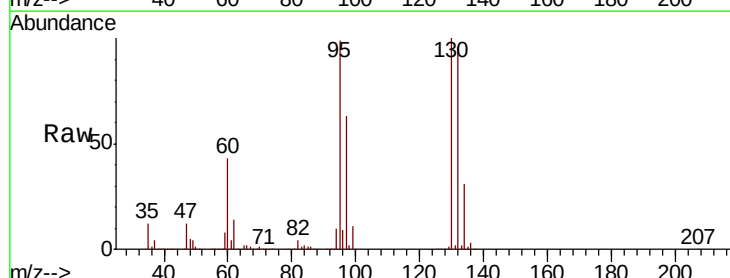
RT: 8.94 min Scan# 1182

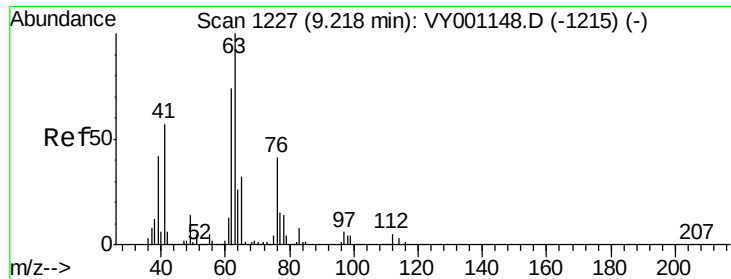
Delta R.T. -0.00 min

Lab File: VY001150.D

Acq: 10 Jan 2020 15:45

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 130   | Resp: | 371869 |
| Ion      | Ratio | Lower | Upper  |
| 130      | 100   |       |        |
| 95       | 98.7  | 0.0   | 197.6  |





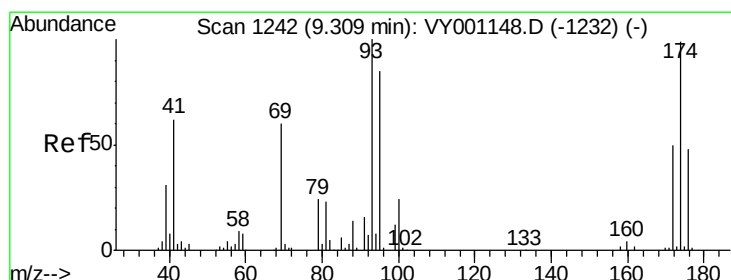
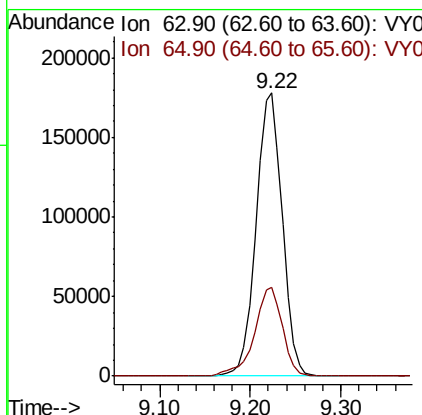
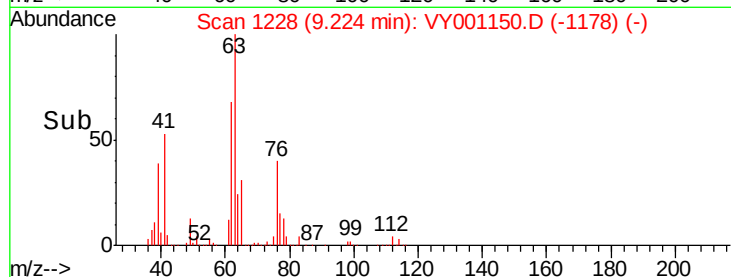
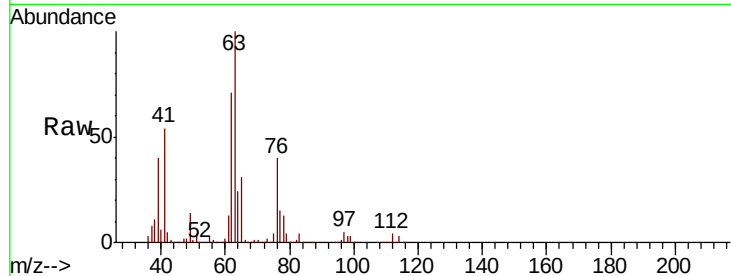
#45  
 1,2-Dichloropropane  
 Concen: 134.729 ug/l  
 RT: 9.22 min Scan# 1228  
 Delta R.T. 0.01 min  
 Lab File: VY001150.D  
 Acq: 10 Jan 2020 15:45

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDIC150

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 65      | 31.5  | 25.8  | 38.8  |

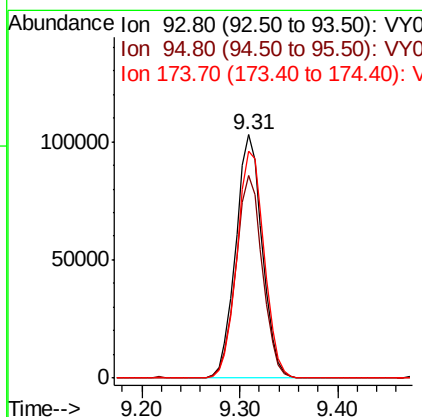
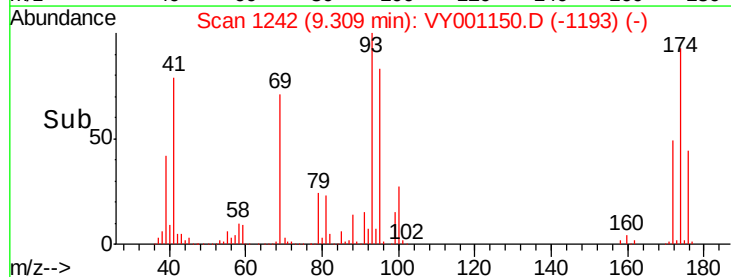
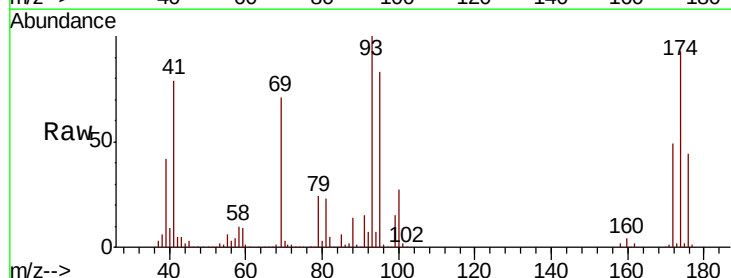
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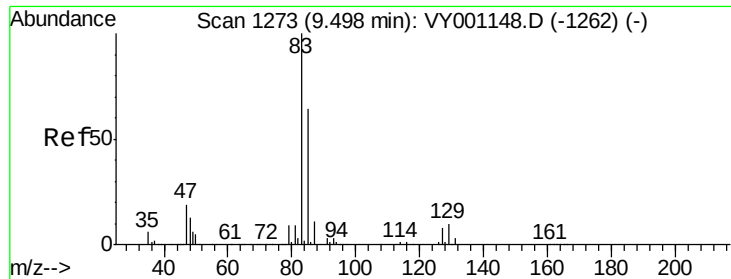
MMDadoda  
 1/13/2020 12:39:06 PM



#46  
 Dibromomethane  
 Concen: 134.898 ug/l  
 RT: 9.31 min Scan# 1242  
 Delta R.T. -0.00 min  
 Lab File: VY001150.D  
 Acq: 10 Jan 2020 15:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 95      | 83.3  | 66.8  | 100.2 |
| 174     | 95.8  | 78.4  | 117.6 |





#47

Bromodichloromethane

Concen: 135.082 ug/l

RT: 9.50 min Scan# 1273

Delta R.T. -0.00 min

Lab File: VY001150.D

Acq: 10 Jan 2020 15:45

Instrument :

MSVOA\_Y

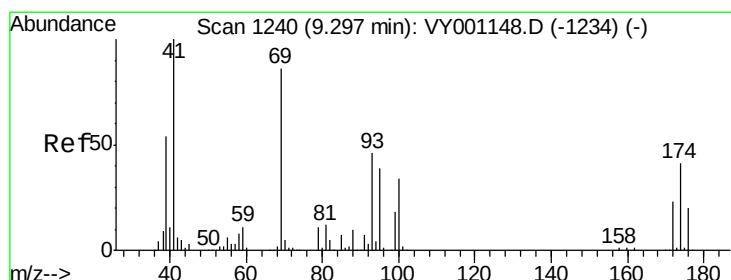
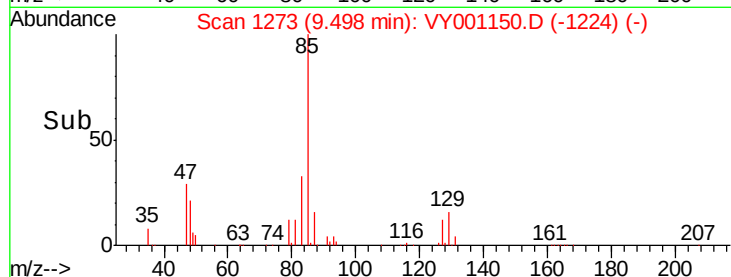
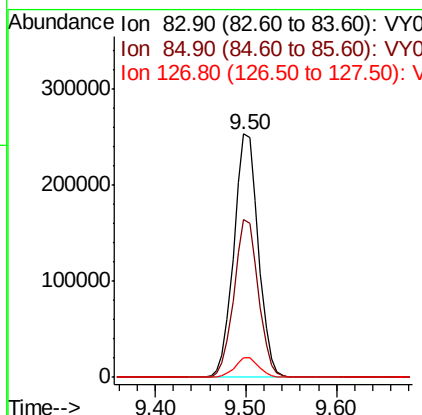
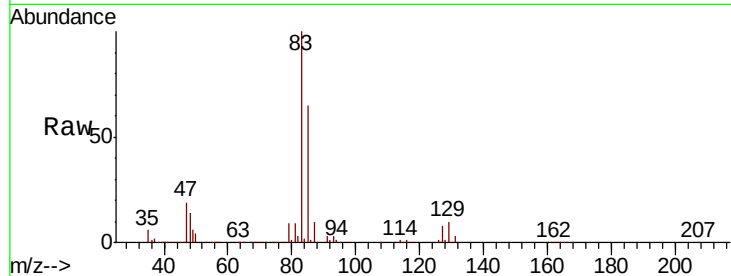
ClientSampleId :

VSTDIC150

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 83    | Resp: | 472096 |
| Ion      | Ratio | Lower | Upper  |
| 83       | 100   |       |        |
| 85       | 64.7  | 51.5  | 77.3   |
| 127      | 7.9   | 6.3   | 9.5    |

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1/13/2020 12:39:06 PM



#48

Methyl methacrylate

Concen: 135.454 ug/l

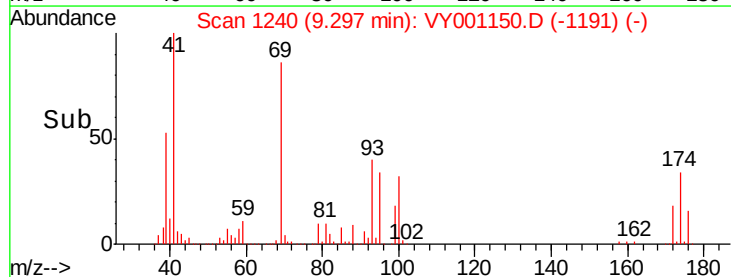
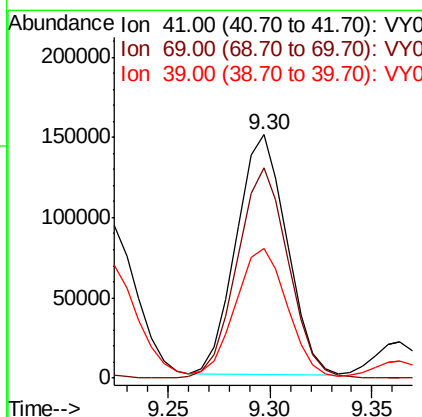
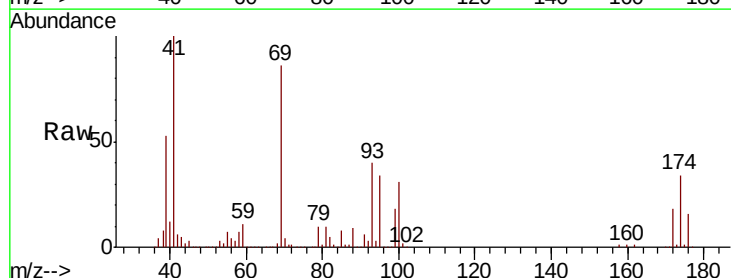
RT: 9.30 min Scan# 1240

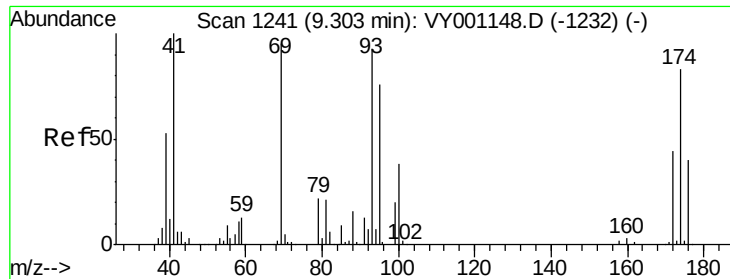
Delta R.T. -0.00 min

Lab File: VY001150.D

Acq: 10 Jan 2020 15:45

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 41    | Resp: | 256086 |
| Ion      | Ratio | Lower | Upper  |
| 41       | 100   |       |        |
| 69       | 89.0  | 69.8  | 104.8  |
| 39       | 56.0  | 45.2  | 67.8   |





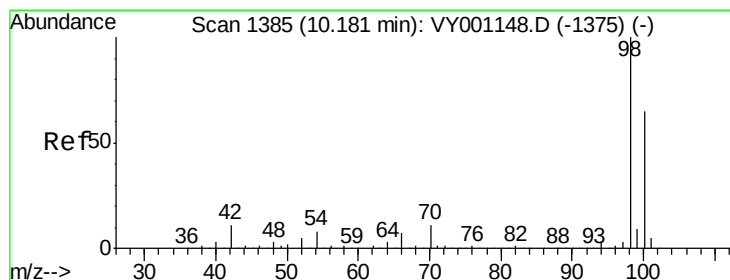
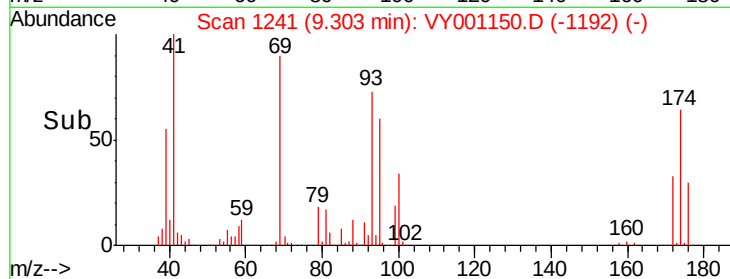
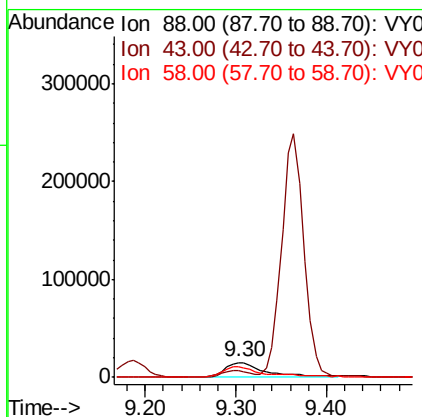
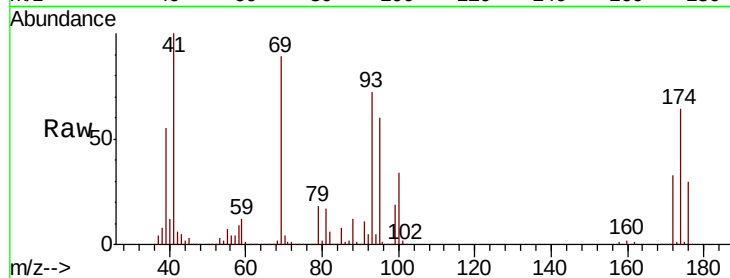
#49  
1,4-Dioxane  
Concen: 2759.223 ug/l  
RT: 9.30 min Scan# 1241  
Delta R.T. -0.00 min  
Lab File: VY001150.D  
Acq: 10 Jan 2020 15:45

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC150

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 28.4  | 22.4  | 33.6  |
| 58      | 80.9  | 58.0  | 87.0  |

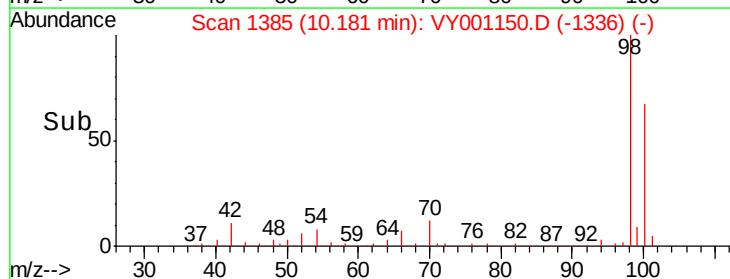
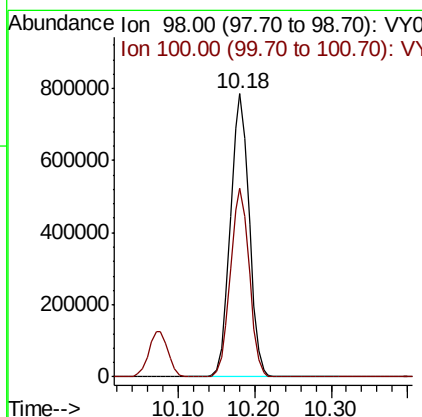
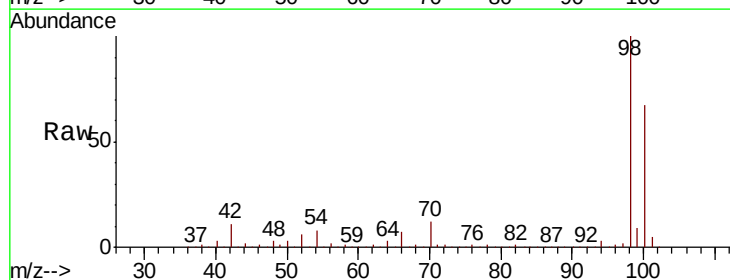
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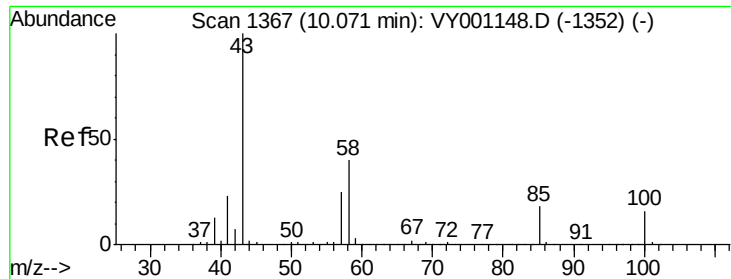
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#50  
Toluene-d8  
Concen: 149.719 ug/l  
RT: 10.18 min Scan# 1385  
Delta R.T. -0.00 min  
Lab File: VY001150.D  
Acq: 10 Jan 2020 15:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 66.9  | 53.1  | 79.7  |





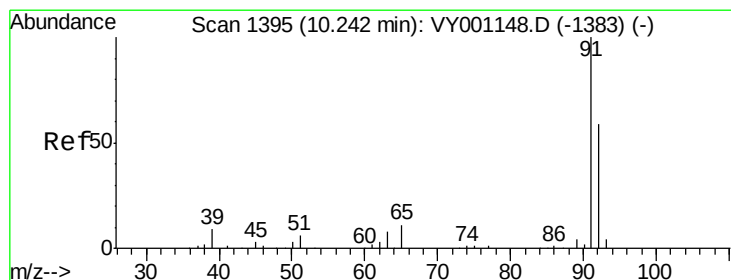
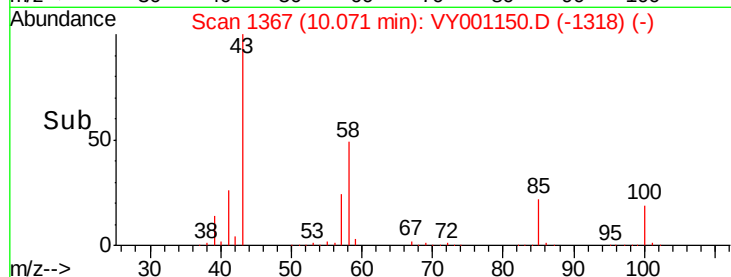
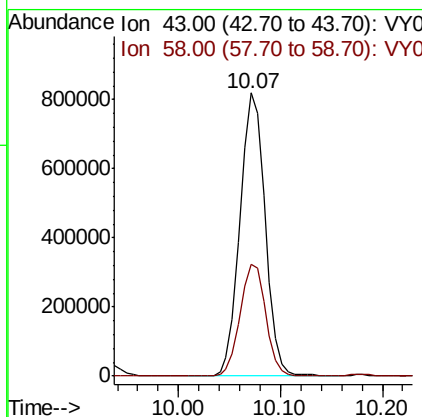
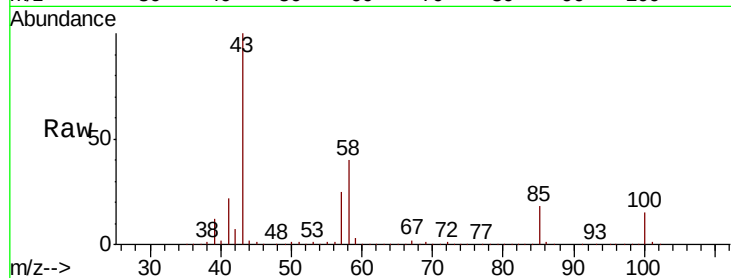
#51  
4-Methyl-2-Pentanone  
Concen: 677.329 ug/l  
RT: 10.07 min Scan# 1367  
Delta R.T. -0.00 min  
Lab File: VY001150.D  
Acq: 10 Jan 2020 15:45

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC150

Tot Ion: 43 Resp: 1404092  
Ion Ratio Lower Upper  
43 100  
58 40.4 32.3 48.5

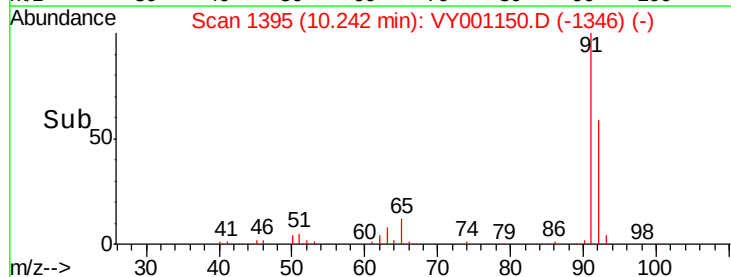
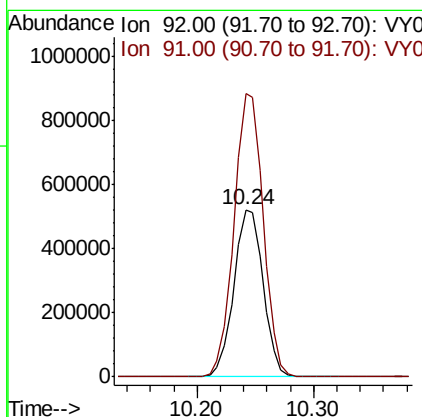
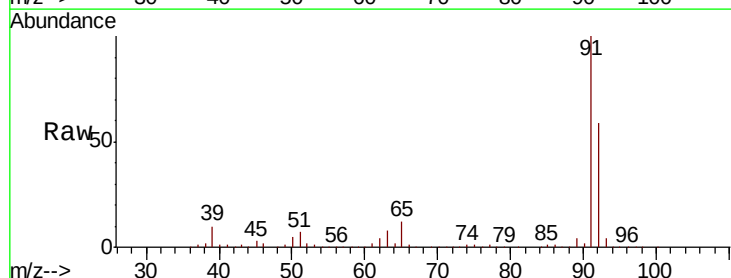
Manual Integrations  
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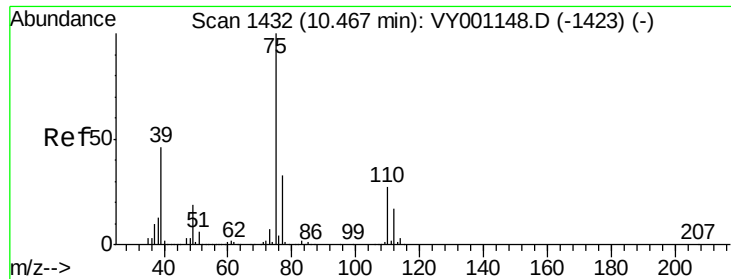
MMDadoda  
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#52  
Toluene  
Concen: 134.732 ug/l  
RT: 10.24 min Scan# 1395  
Delta R.T. -0.00 min  
Lab File: VY001150.D  
Acq: 10 Jan 2020 15:45

Tgt Ion: 92 Resp: 913943  
Ion Ratio Lower Upper  
92 100  
91 169.2 136.6 204.8





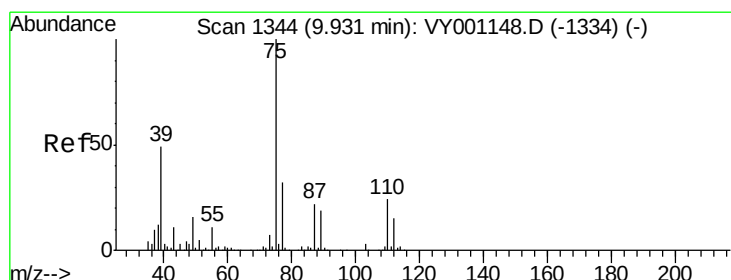
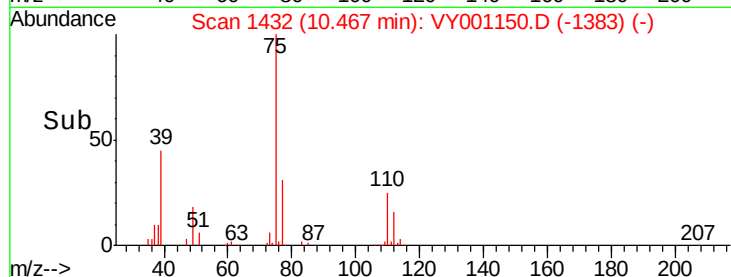
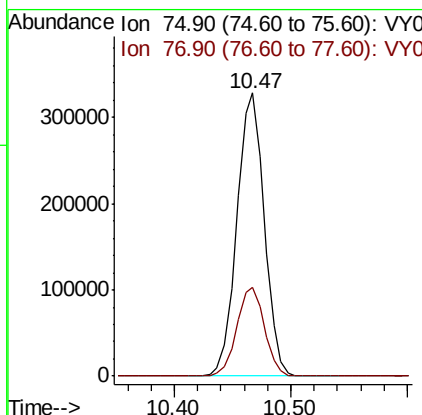
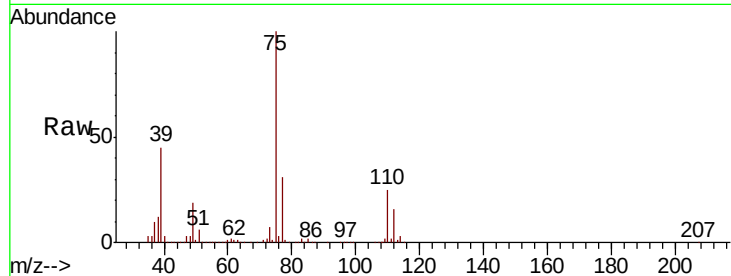
#53  
t-1,3-Dichloropropene  
Concen: 137.935 ug/l  
RT: 10.47 min Scan# 1432  
Delta R.T. -0.00 min  
Lab File: VY001150.D  
Acq: 10 Jan 2020 15:45

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC150

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 31.4  | 26.2  | 39.2  |

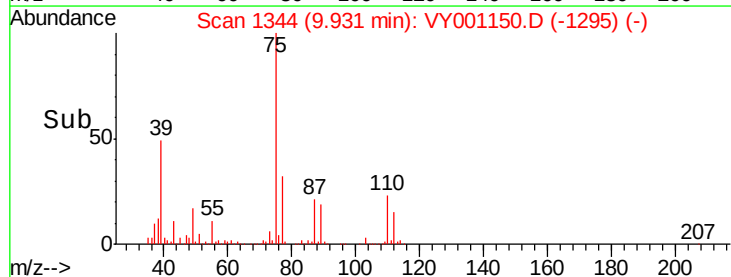
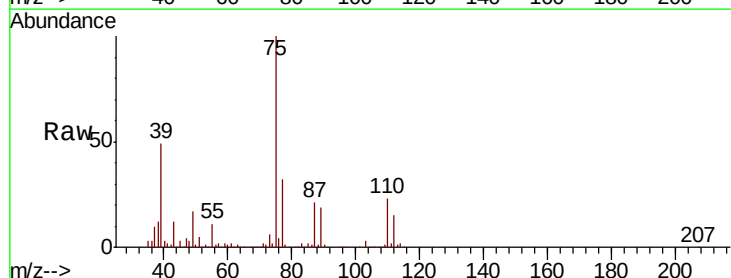
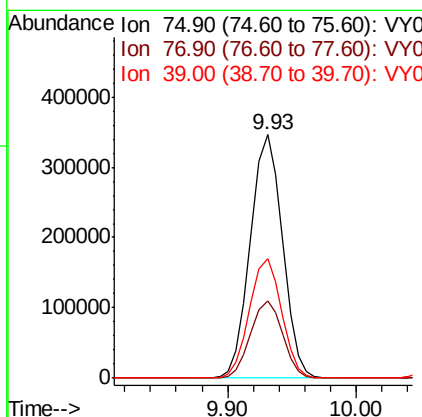
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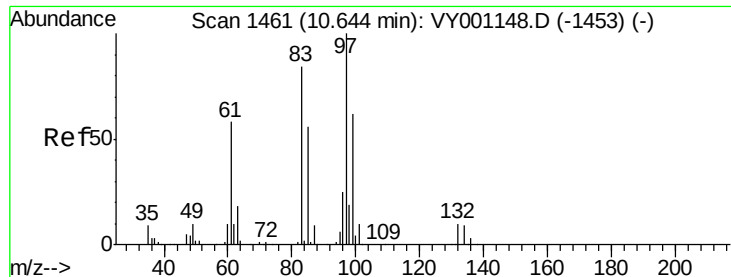


#54  
cis-1,3-Dichloropropene  
Concen: 135.729 ug/l  
RT: 9.93 min Scan# 1344  
Delta R.T. -0.00 min  
Lab File: VY001150.D  
Acq: 10 Jan 2020 15:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 31.7  | 25.3  | 37.9  |
| 39      | 48.9  | 39.1  | 58.7  |







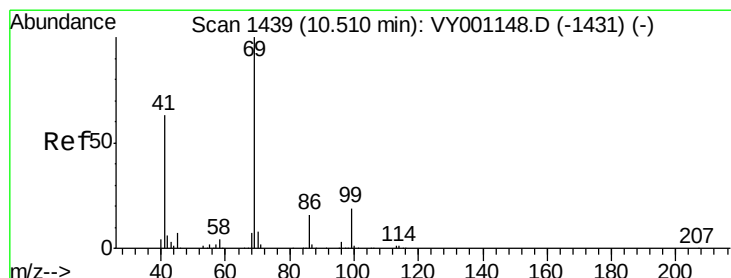
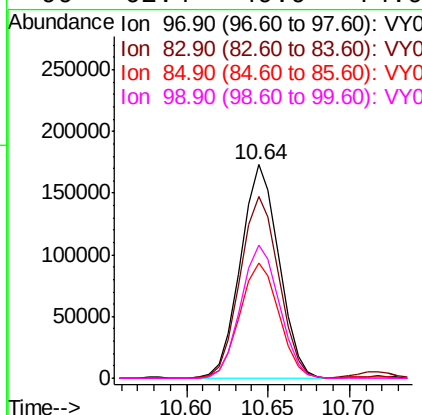
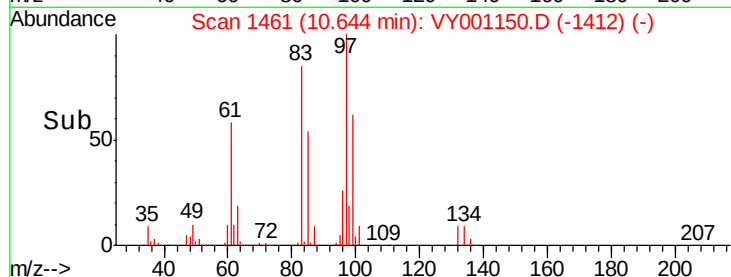
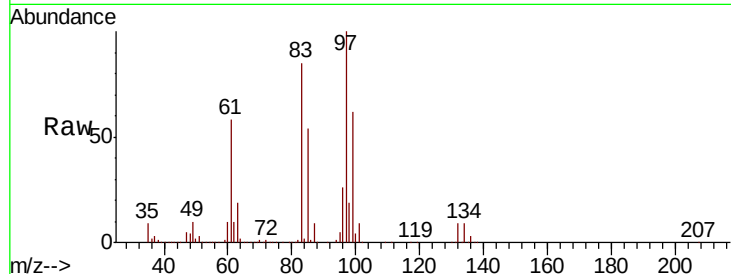
#55  
 1,1,2-Trichloroethane  
 Concen: 132.656 ug/l  
 RT: 10.64 min Scan# 1461  
 Delta R.T. -0.00 min  
 Lab File: VY001150.D  
 Acq: 10 Jan 2020 15:45

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDIC150

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 97    | Resp: | 282797 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 83       | 85.3  | 67.2  | 100.8  |
| 85       | 54.1  | 44.9  | 67.3   |
| 99       | 62.4  | 49.9  | 74.9   |

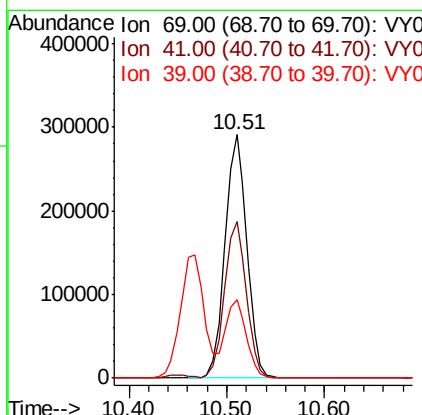
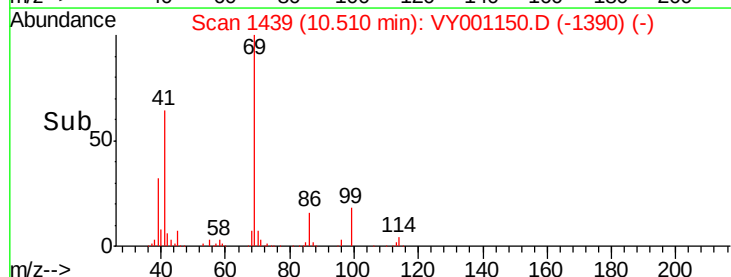
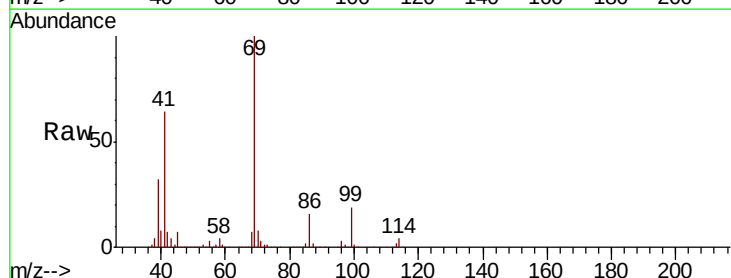
Manual Integrations  
 APPROVED

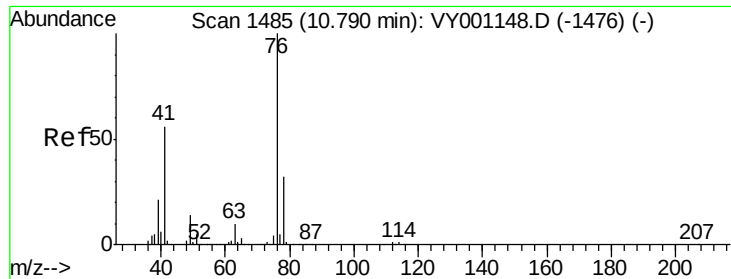
MMDadoda  
 1/13/2020 12:39:06 PM



#56  
 Ethyl methacrylate  
 Concen: 138.530 ug/l  
 RT: 10.51 min Scan# 1439  
 Delta R.T. -0.00 min  
 Lab File: VY001150.D  
 Acq: 10 Jan 2020 15:45

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 69    | Resp: | 448756 |
| Ion      | Ratio | Lower | Upper  |
| 69       | 100   |       |        |
| 41       | 64.3  | 51.4  | 77.2   |
| 39       | 29.8  | 26.3  | 39.5   |





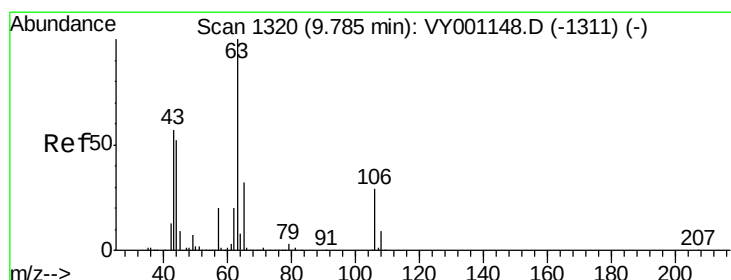
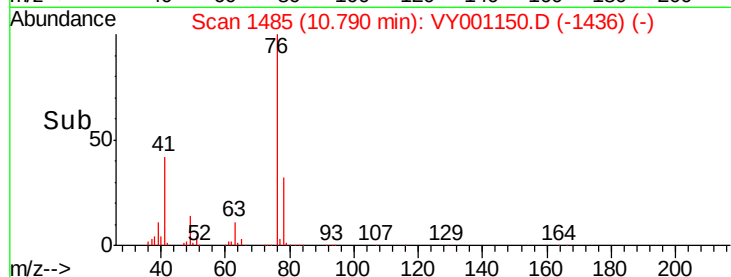
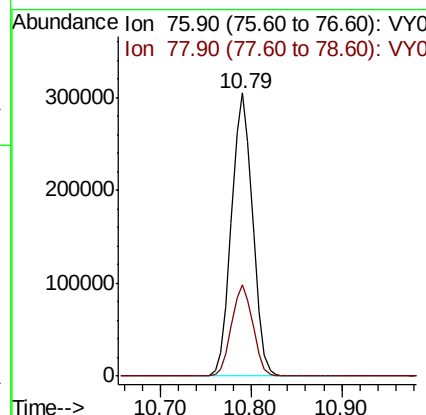
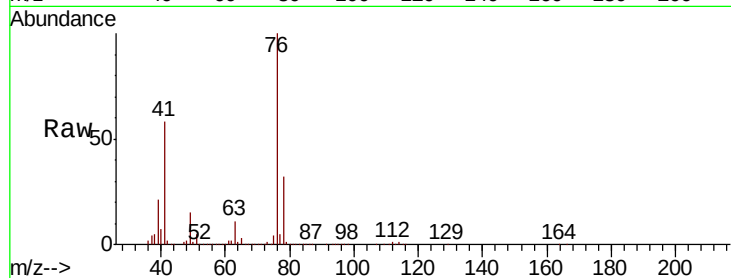
#57  
 1,3-Dichloropropane  
 Concen: 135.069 ug/l  
 RT: 10.79 min Scan# 1485  
 Delta R.T. -0.00 min  
 Lab File: VY001150.D  
 Acq: 10 Jan 2020 15:45

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDIC150

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 32.5  | 26.1  | 39.1  |

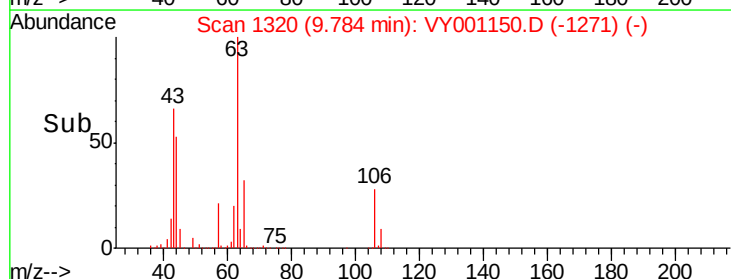
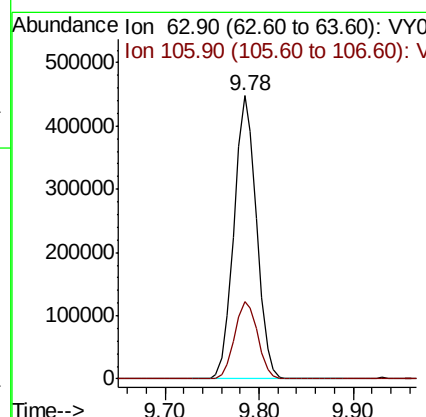
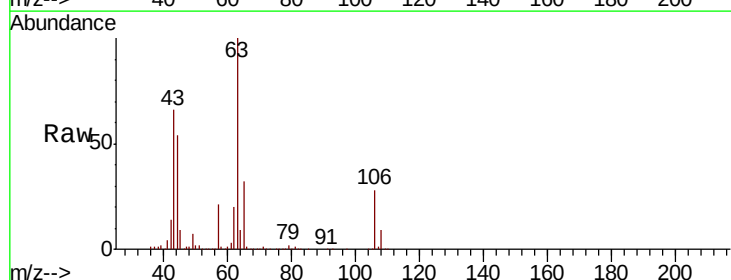
Manual Integrations  
 APPROVED

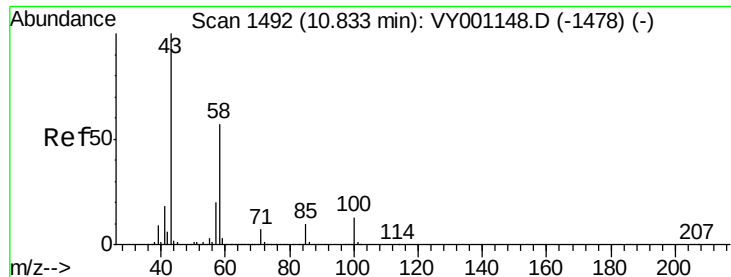
MMDadoda  
 1/13/2020 12:39:06 PM



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 644.720 ug/l  
 RT: 9.78 min Scan# 1320  
 Delta R.T. -0.00 min  
 Lab File: VY001150.D  
 Acq: 10 Jan 2020 15:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 106     | 28.2  | 23.0  | 34.6  |





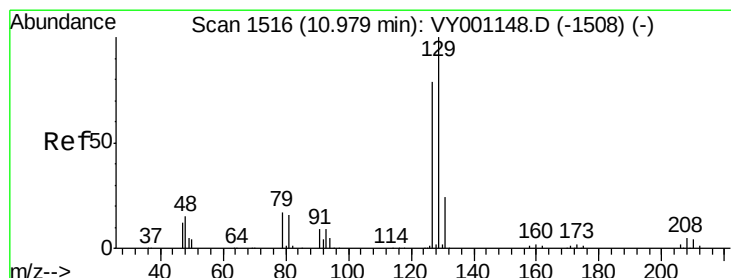
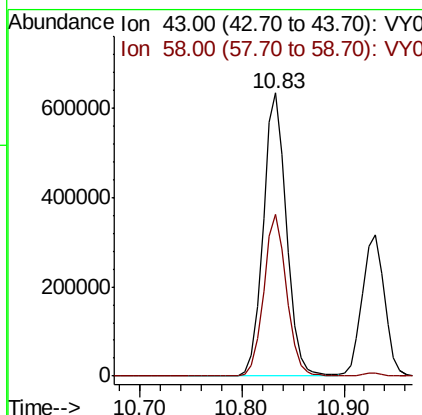
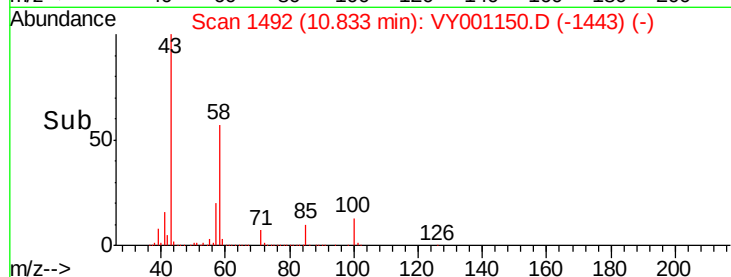
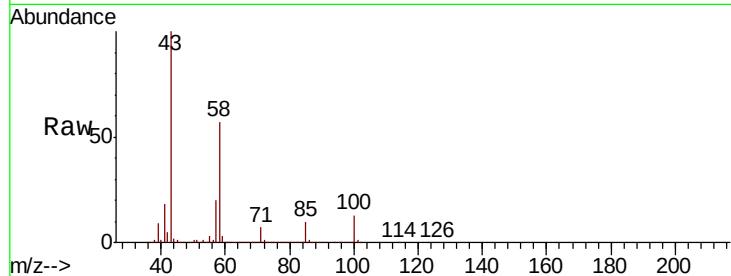
#59  
2-Hexanone  
Concen: 690.320 ug/l  
RT: 10.83 min Scan# 1492  
Delta R.T. -0.00 min  
Lab File: VY001150.D  
Acq: 10 Jan 2020 15:45

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC150

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 58      | 56.5  | 28.4  | 85.2  |

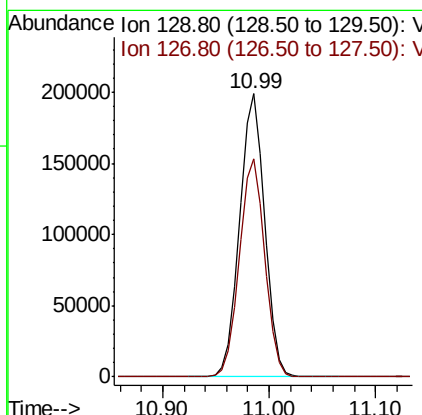
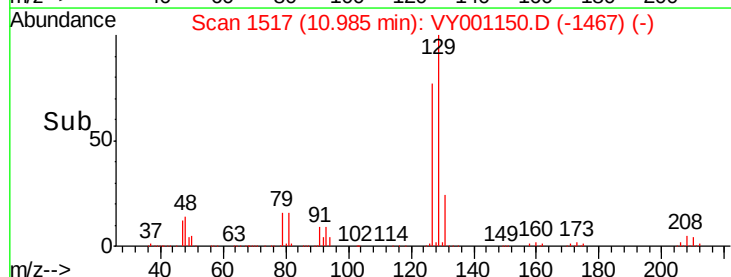
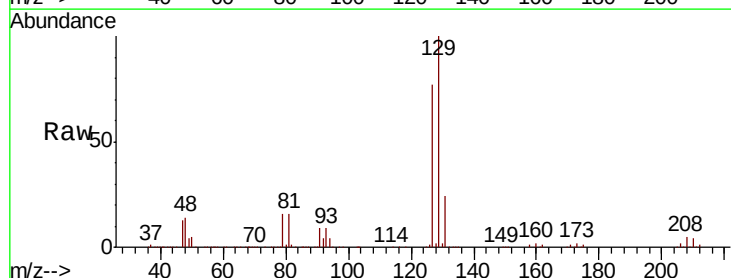
Manual Integrations  
APPROVED

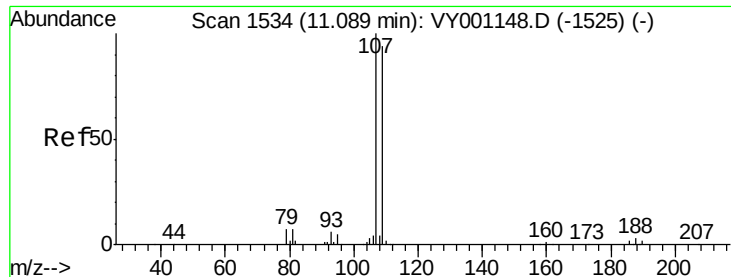
MMDadoda  
1/13/2020 12:39:06 PM



#60  
Dibromochloromethane  
Concen: 134.730 ug/l  
RT: 10.99 min Scan# 1517  
Delta R.T. 0.01 min  
Lab File: VY001150.D  
Acq: 10 Jan 2020 15:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 129     | 100   |       |       |
| 127     | 77.6  | 38.9  | 116.7 |





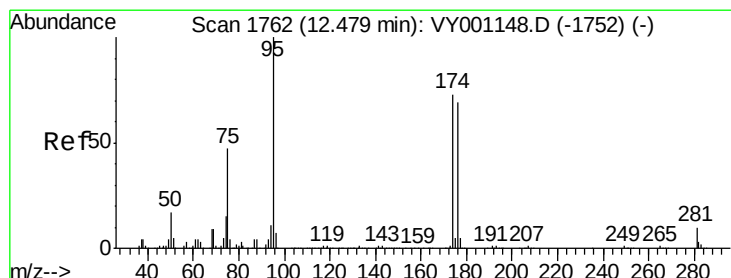
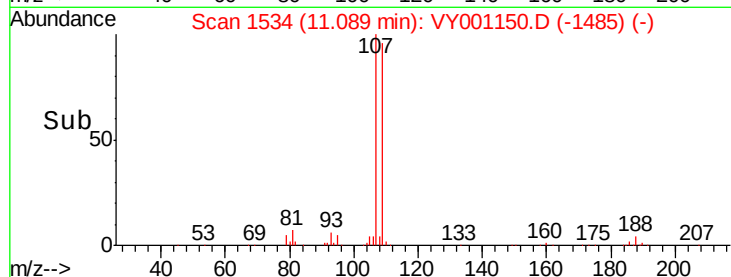
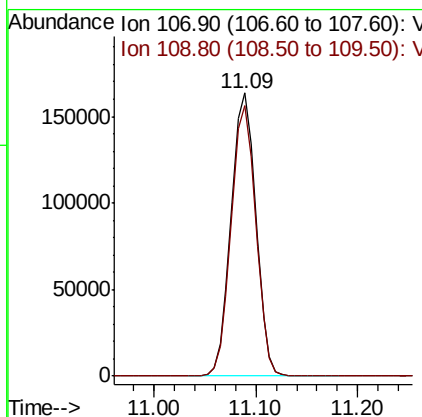
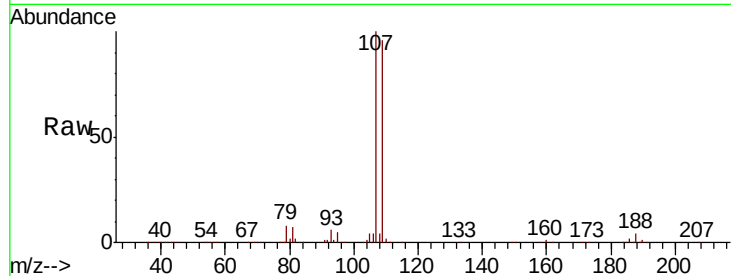
#61  
1,2-Dibromoethane  
Concen: 131.854 ug/l  
RT: 11.09 min Scan# 1534  
Delta R.T. -0.00 min  
Lab File: VY001150.D  
Acq: 10 Jan 2020 15:45

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC150

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 109     | 95.0  | 75.4  | 113.0 |

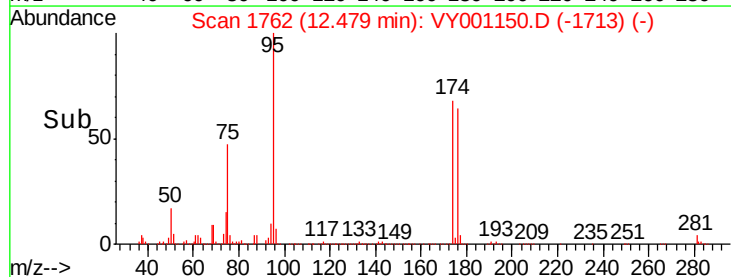
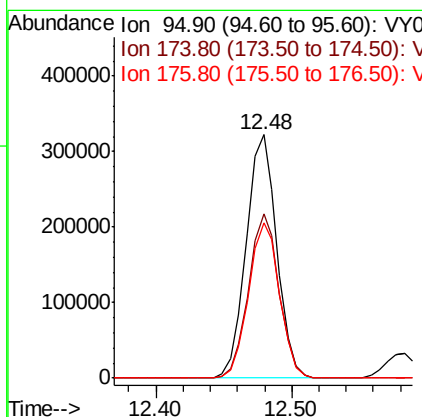
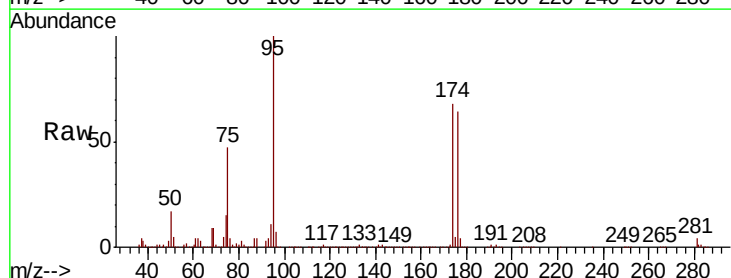
Manual Integrations  
APPROVED

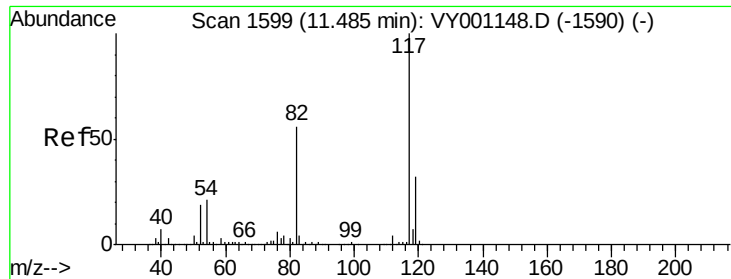
MMDadoda  
1/13/2020 12:39:06 PM



#62  
4-Bromofluorobenzene  
Concen: 137.667 ug/l  
RT: 12.48 min Scan# 1762  
Delta R.T. -0.00 min  
Lab File: VY001150.D  
Acq: 10 Jan 2020 15:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 95      | 100   |       |       |
| 174     | 67.6  | 0.0   | 143.2 |
| 176     | 64.7  | 0.0   | 136.0 |





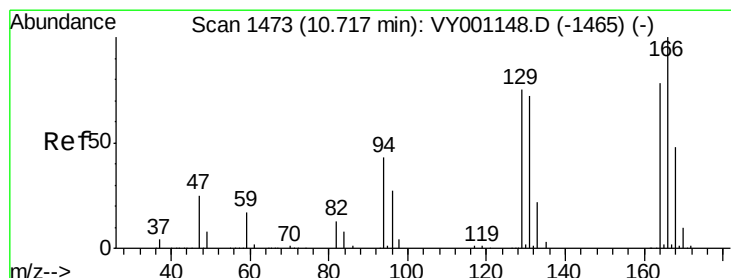
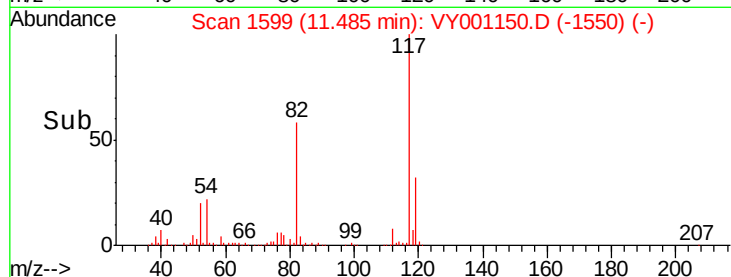
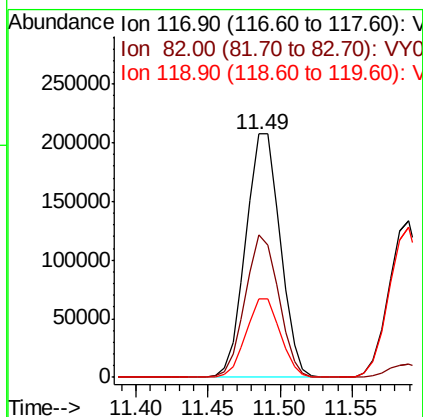
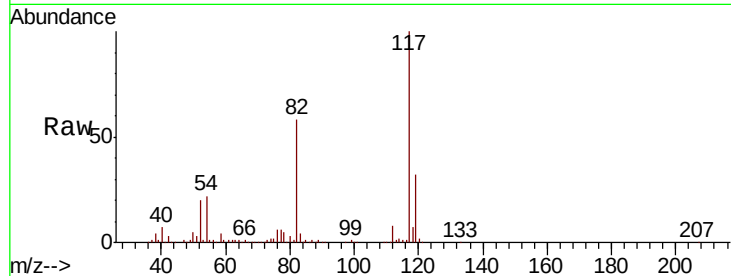
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.49 min Scan# 1599  
Delta R.T. -0.00 min  
Lab File: VY001150.D  
Acq: 10 Jan 2020 15:45

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC150

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 117     | 100   | 345025 |       |       |
| 82      | 58.5  | 44.9   | 67.3  |       |
| 119     | 32.1  | 25.7   | 38.5  |       |

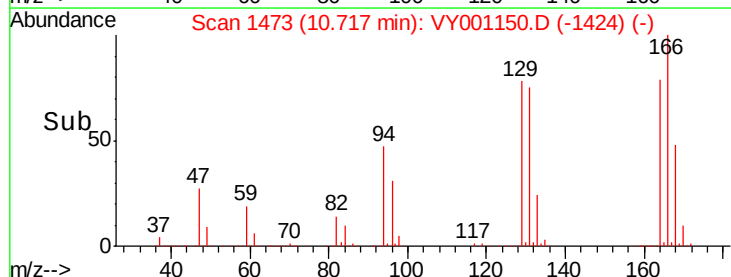
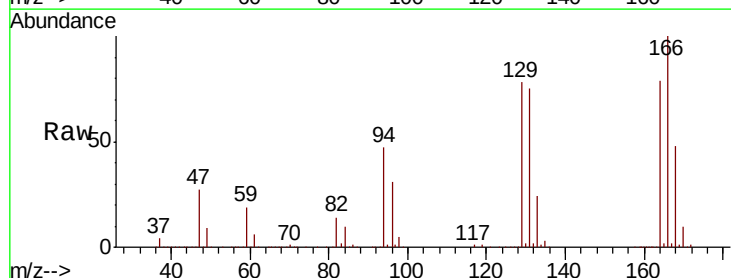
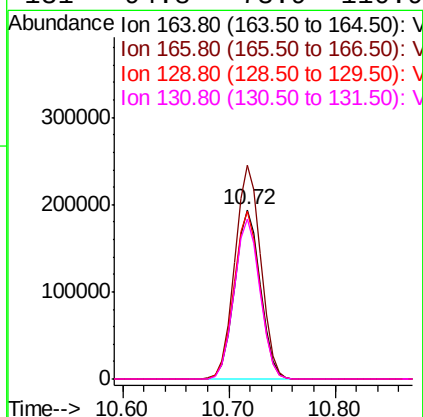
Manual Integrations  
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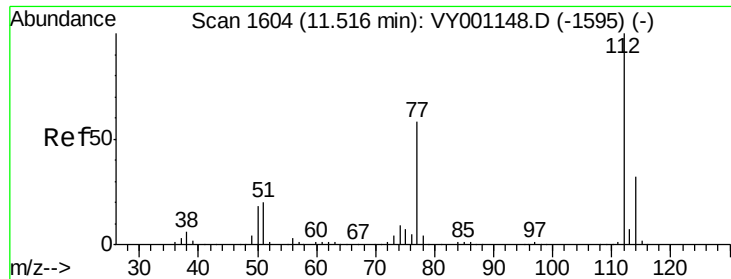
MMDadoda  
1/13/2020 12:39:06 PM



#64  
Tetrachloroethene  
Concen: 146.540 ug/l  
RT: 10.72 min Scan# 1473  
Delta R.T. -0.00 min  
Lab File: VY001150.D  
Acq: 10 Jan 2020 15:45

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 164     | 100   | 327181 |       |       |
| 166     | 126.4 | 102.3  | 153.5 |       |
| 129     | 99.1  | 76.2   | 114.4 |       |
| 131     | 94.8  | 73.9   | 110.9 |       |





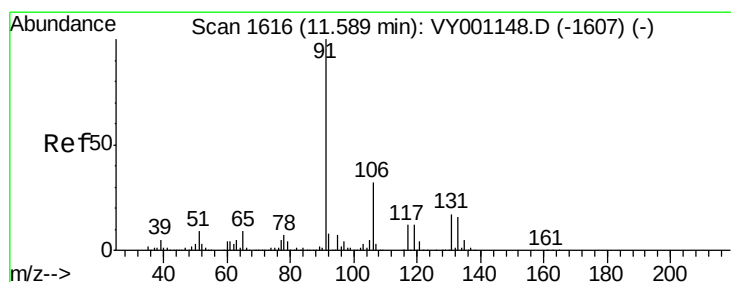
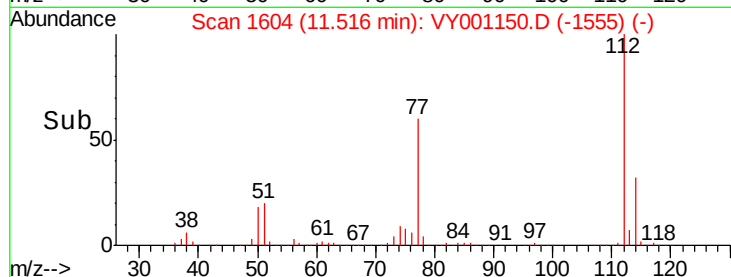
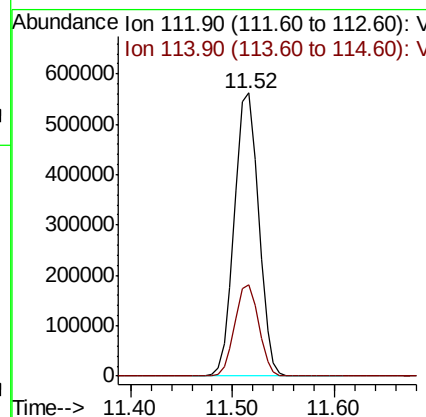
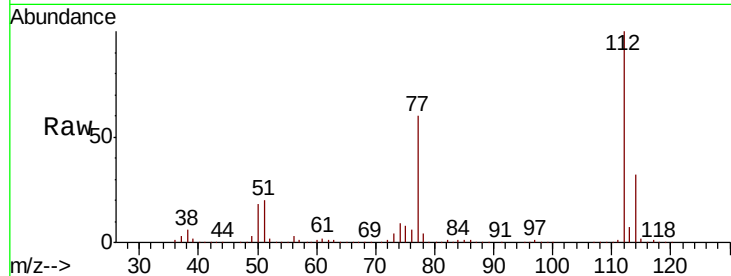
#65  
Chlorobenzene  
Concen: 131.031 ug/l  
RT: 11.52 min Scan# 1604  
Delta R.T. -0.00 min  
Lab File: VY001150.D  
Acq: 10 Jan 2020 15:45

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC150

Tot Ion:112 Resp: 922797  
Ion Ratio Lower Upper  
112 100  
114 32.2 25.9 38.9

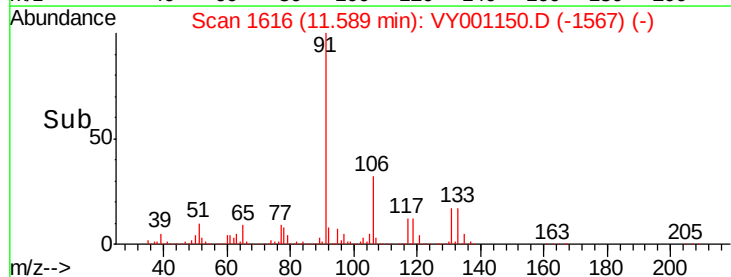
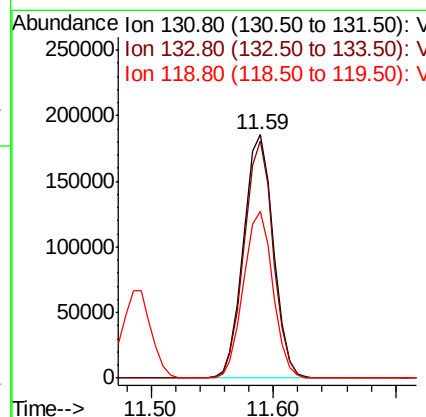
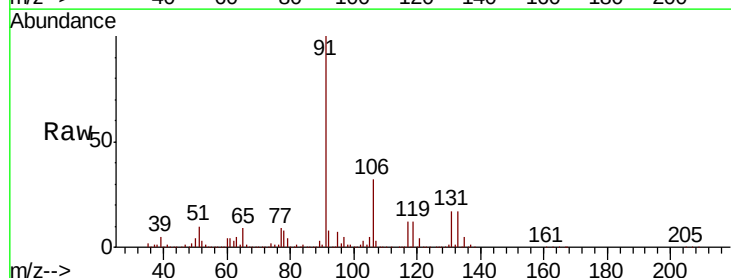
Manual Integrations  
APPROVED

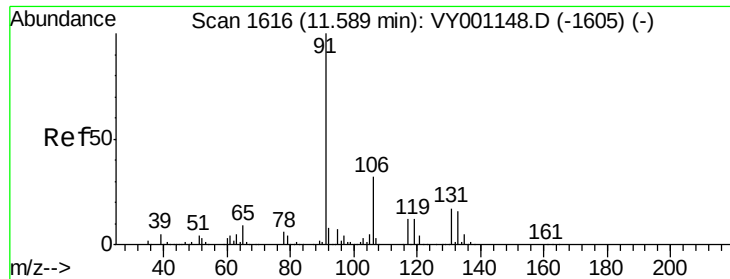
MMDadoda  
1/13/2020 12:39:06 PM



#66  
1,1,1,2-Tetrachloroethane  
Concen: 128.955 ug/l  
RT: 11.59 min Scan# 1616  
Delta R.T. -0.00 min  
Lab File: VY001150.D  
Acq: 10 Jan 2020 15:45

Tgt Ion:131 Resp: 313749  
Ion Ratio Lower Upper  
131 100  
133 95.0 47.3 142.0  
119 67.9 33.6 100.8





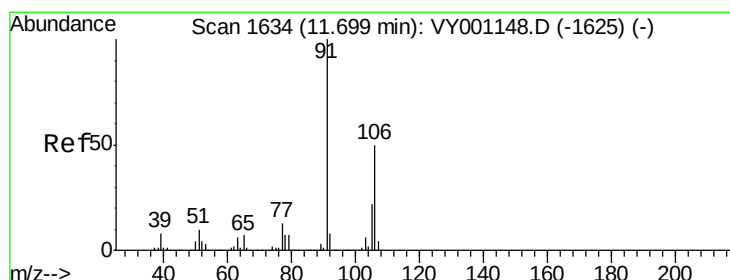
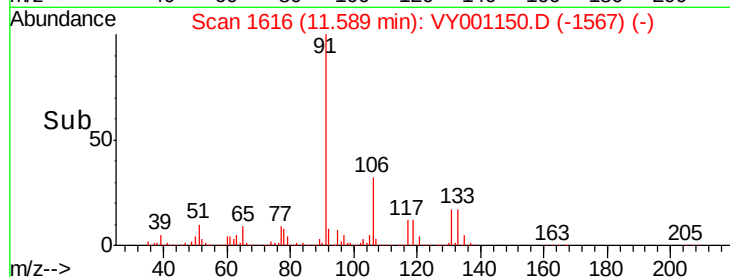
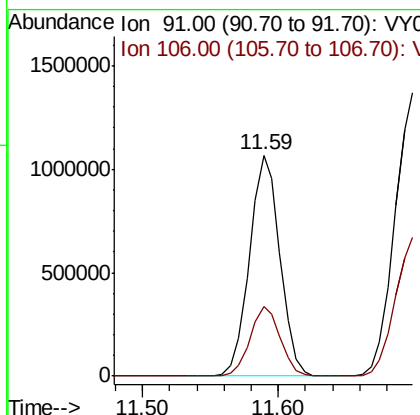
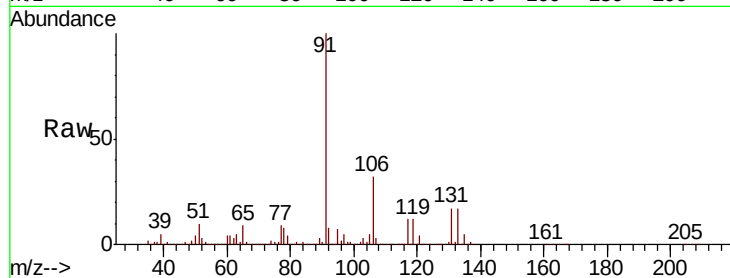
#67  
Ethyl Benzene  
Concen: 129.072 ug/l  
RT: 11.59 min Scan# 1616  
Delta R.T. -0.00 min  
Lab File: VY001150.D  
Acq: 10 Jan 2020 15:45

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC150

Tot Ion: 91 Resp: 1666553  
Ion Ratio Lower Upper  
91 100  
106 31.5 25.3 37.9

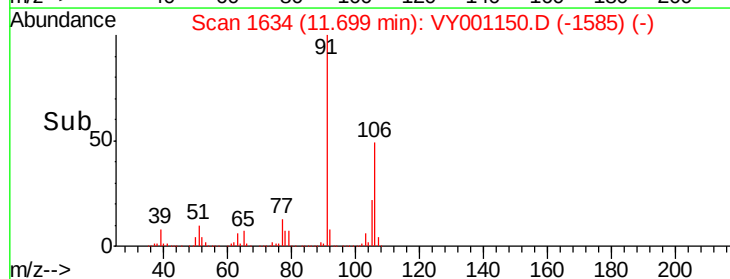
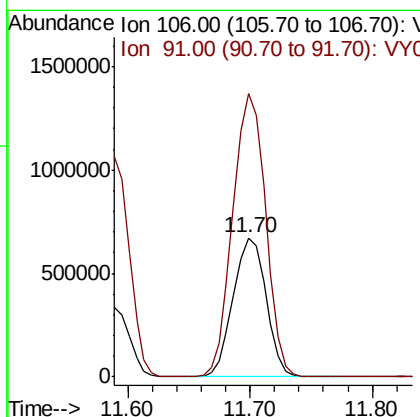
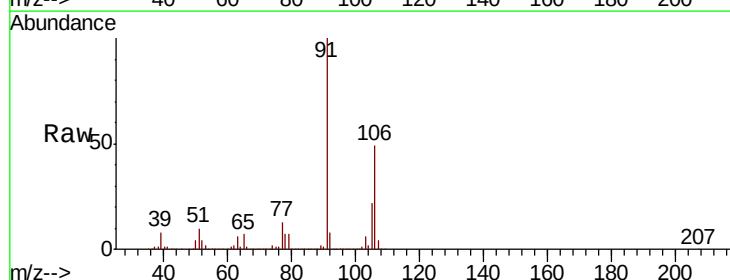
Manual Integrations  
APPROVED

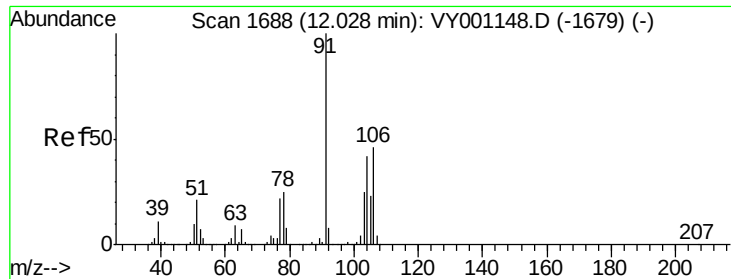
MMDadoda  
1/13/2020 12:39:06 PM



#68  
m/p-Xylenes  
Concen: 257.338 ug/l  
RT: 11.70 min Scan# 1634  
Delta R.T. -0.00 min  
Lab File: VY001150.D  
Acq: 10 Jan 2020 15:45

Tgt Ion: 106 Resp: 1253999  
Ion Ratio Lower Upper  
106 100  
91 203.5 161.4 242.2





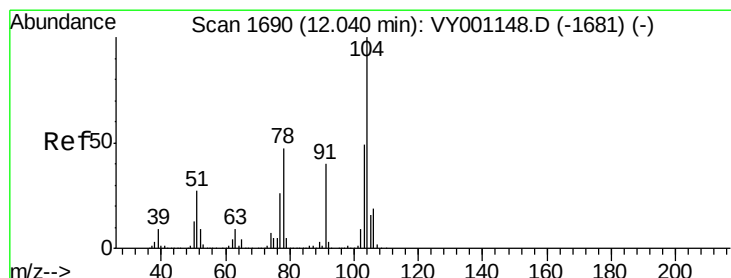
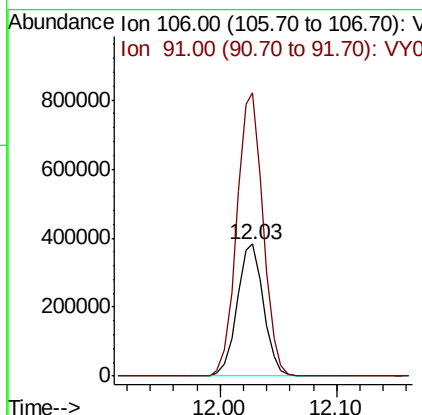
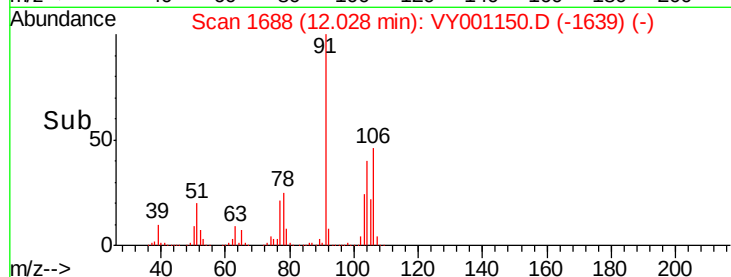
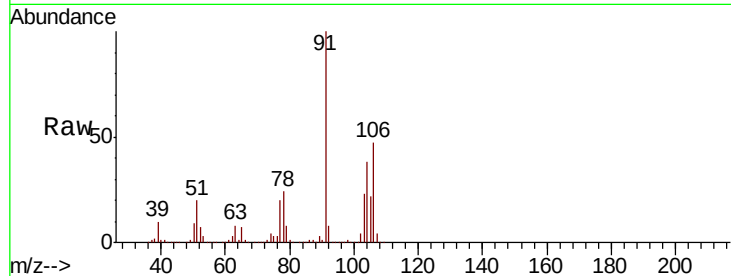
#69  
o-Xylene  
Concen: 128.719 ug/l  
RT: 12.03 min Scan# 1688  
Delta R.T. -0.00 min  
Lab File: VY001150.D  
Acq: 10 Jan 2020 15:45

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC150

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 106     | 100   |       |       |
| 91      | 213.7 | 106.3 | 318.8 |

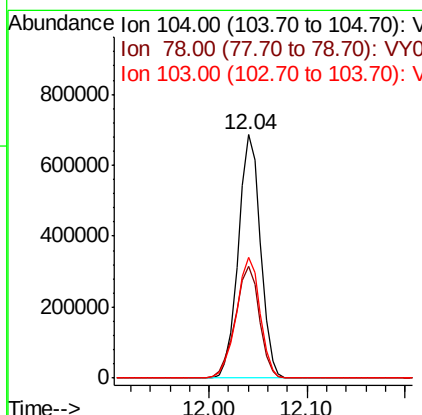
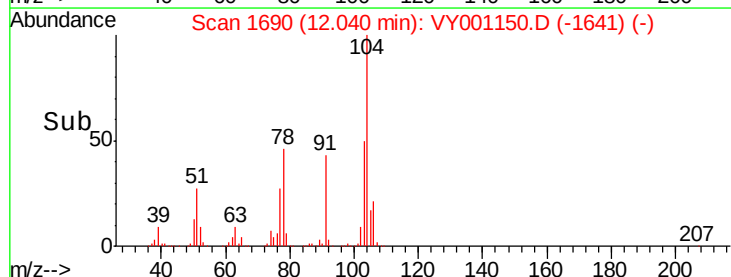
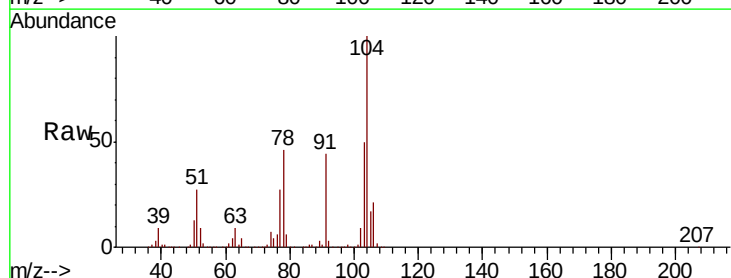
Manual Integrations  
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MMDadoda  
1/13/2020 12:39:06 PM

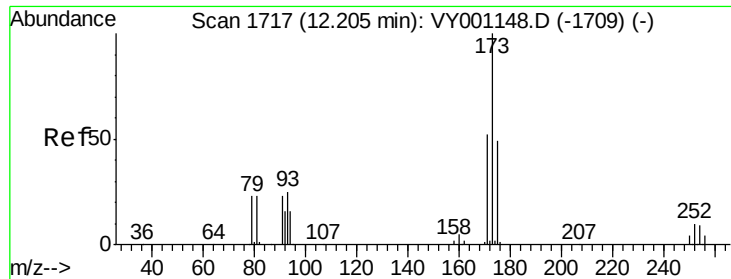


#70  
Styrene  
Concen: 131.590 ug/l  
RT: 12.04 min Scan# 1690  
Delta R.T. -0.00 min  
Lab File: VY001150.D  
Acq: 10 Jan 2020 15:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 104     | 100   |       |       |
| 78      | 50.3  | 40.5  | 60.7  |
| 103     | 53.4  | 42.4  | 63.6  |







#71

Bromoform

Concen: 135.283 ug/l

RT: 12.20 min Scan# 1717

Delta R.T. -0.00 min

Lab File: VY001150.D

Acq: 10 Jan 2020 15:45

Instrument :

MSVOA\_Y

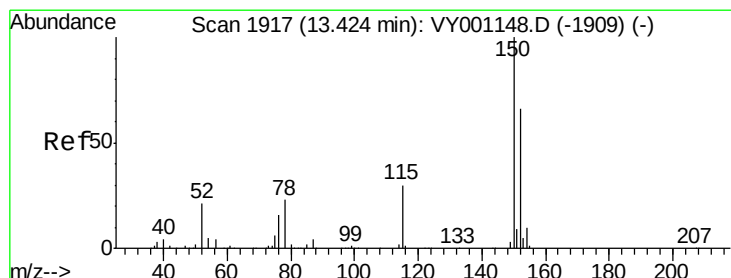
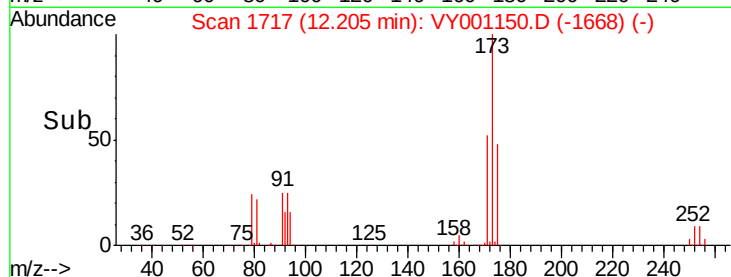
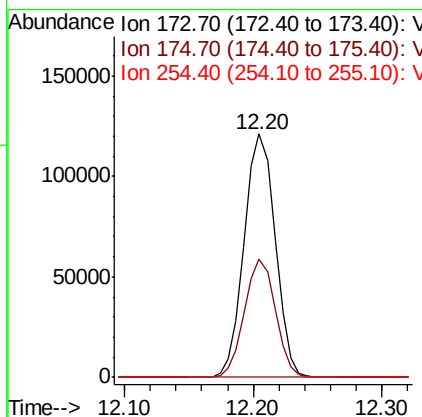
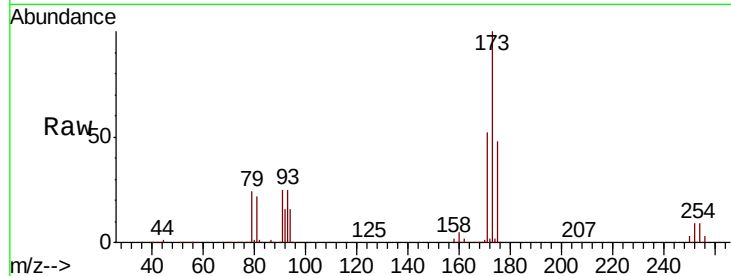
ClientSampleId :

VSTDIC150

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 173     | 100   |       |       |
| 175     | 48.4  | 24.1  | 72.2  |
| 254     | 0.1   | 0.1   | 0.1#  |

Manual Integrations  
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MMDadoda  
1/13/2020 12:39:06 PM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

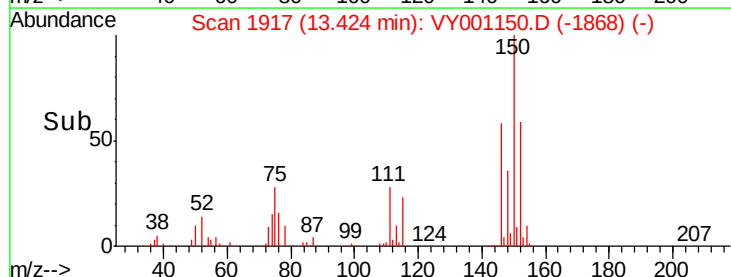
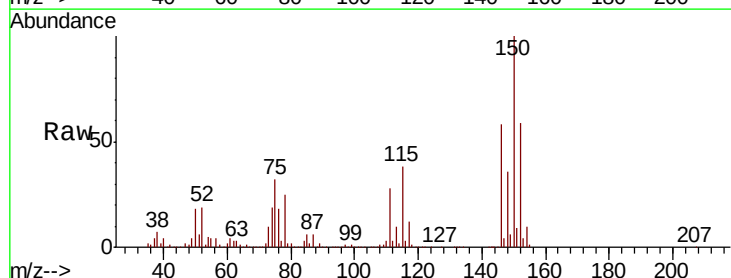
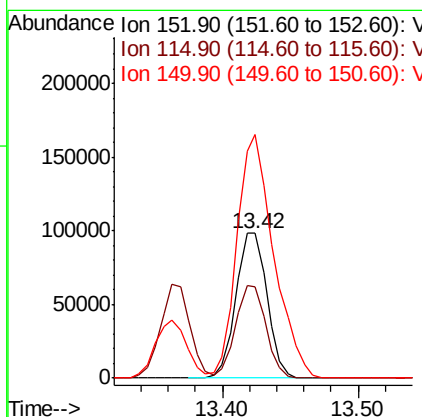
RT: 13.42 min Scan# 1917

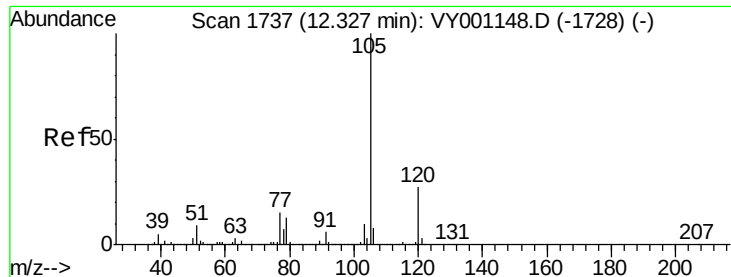
Delta R.T. -0.00 min

Lab File: VY001150.D

Acq: 10 Jan 2020 15:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 62.1  | 30.9  | 92.5  |
| 150     | 198.6 | 0.0   | 346.8 |





#73

Isopropylbenzene

Concen: 135.365 ug/l

RT: 12.33 min Scan# 1737

Delta R.T. -0.00 min

Lab File: VY001150.D

Acq: 10 Jan 2020 15:45

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 1617345

Ion Ratio Lower Upper

105 100

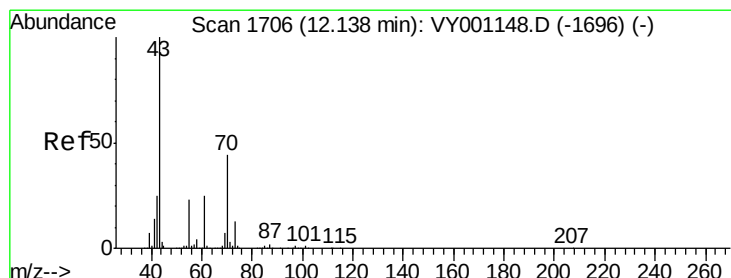
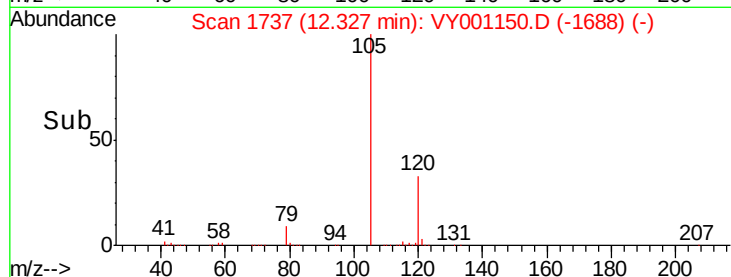
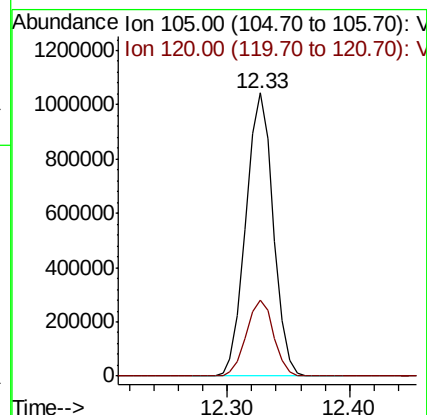
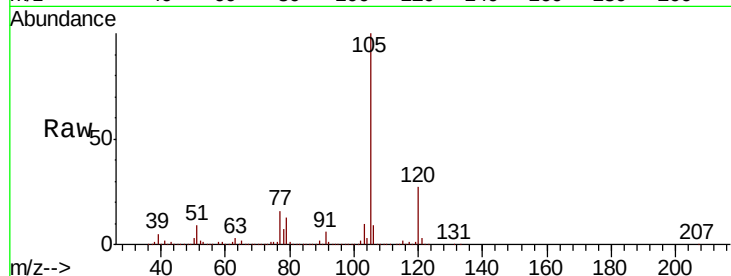
120 26.9 13.4 40.2

Manual Integrations

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#74

N-ethyl acetate

Concen: 140.528 ug/l

RT: 12.14 min Scan# 1706

Delta R.T. -0.00 min

Lab File: VY001150.D

Acq: 10 Jan 2020 15:45

Tgt Ion: 43 Resp: 520958

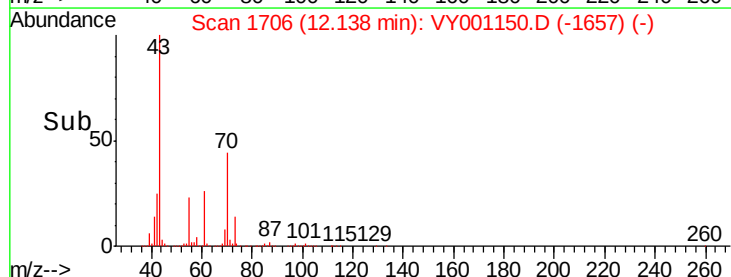
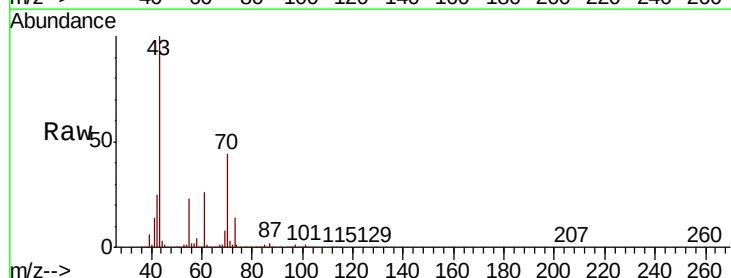
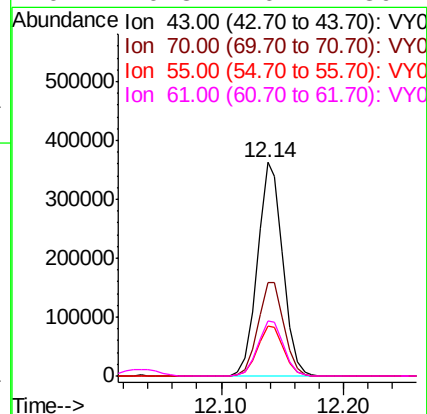
Ion Ratio Lower Upper

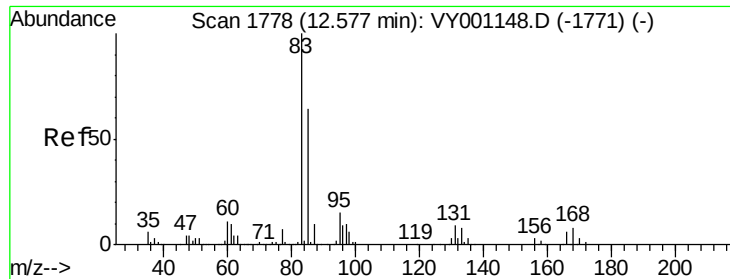
43 100

70 45.2 35.0 52.6

55 24.0 18.4 27.6

61 26.3 20.1 30.1





#75

1,1,2,2-Tetrachloroethane

Concen: 137.262 ug/l

RT: 12.58 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VY001150.D

Acq: 10 Jan 2020 15:45

Instrument :

MSVOA\_Y

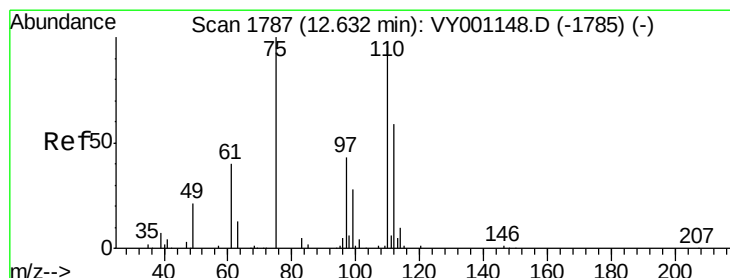
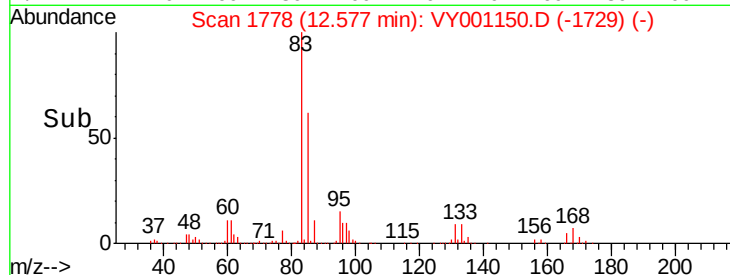
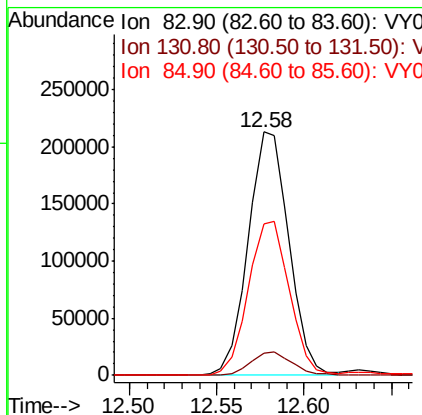
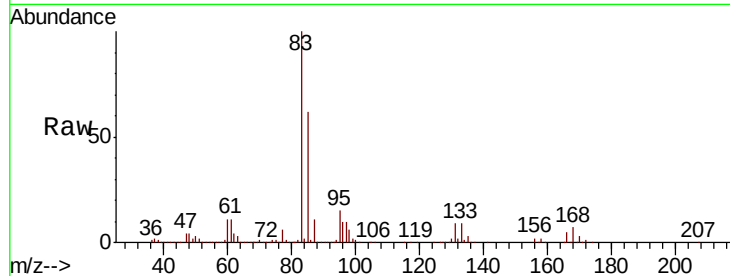
ClientSampleId :

VSTDIC150

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 83    | Resp: | 344309 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 131       | 9.9   | 5.1   | 15.3   |
| 85        | 63.9  | 32.2  | 96.6   |

Manual Integrations  
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#76

1,2,3-Trichloropropane

Concen: 134.291 ug/l m

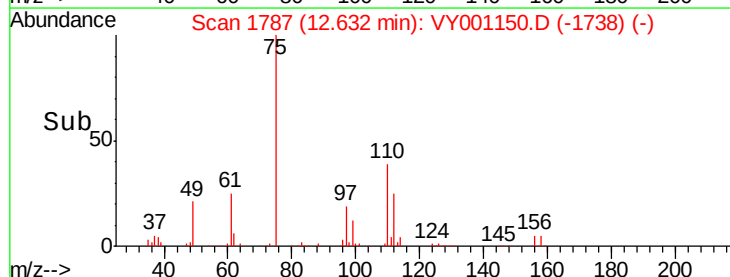
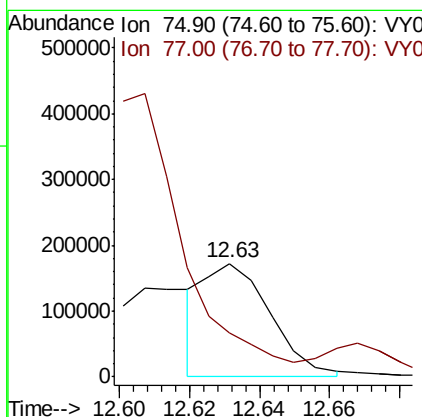
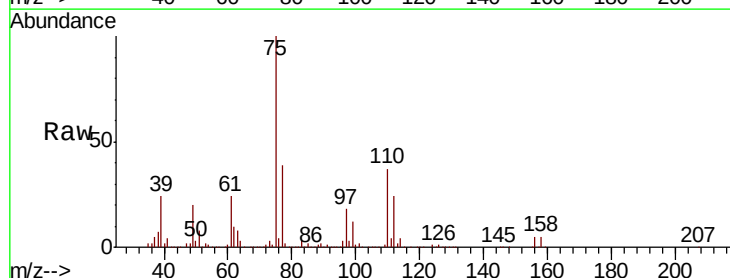
RT: 12.63 min Scan# 1787

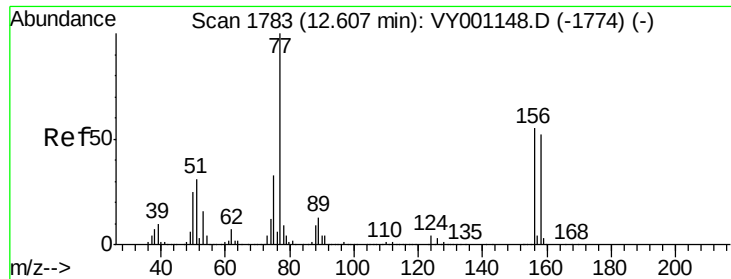
Delta R.T. -0.00 min

Lab File: VY001150.D

Acq: 10 Jan 2020 15:45

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 75    | Resp: | 228757 |
| Ion Ratio | Lower | Upper |        |
| 75        | 100   |       |        |
| 77        | 0.0   | 0.0   | 0.0    |





#77

Bromobenzene

Concen: 131.835 ug/l

RT: 12.61 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VY001150.D

Acq: 10 Jan 2020 15:45

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDIC150

Tot Ion:156 Resp: 349448

Ion Ratio Lower Upper

156 100

77 220.9 106.7 320.1

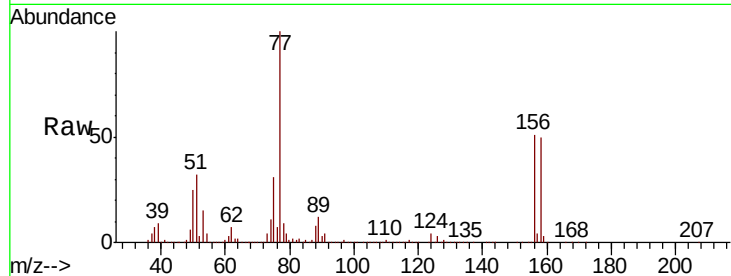
158 96.7 48.3 144.8

Manual Integrations

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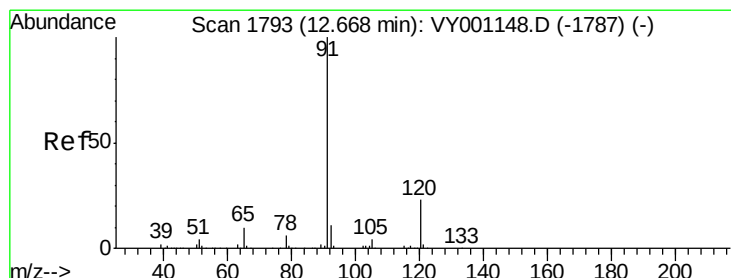
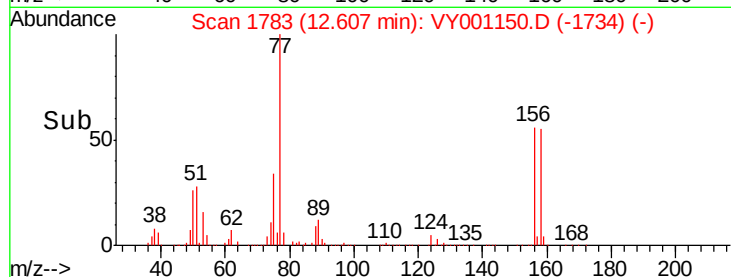
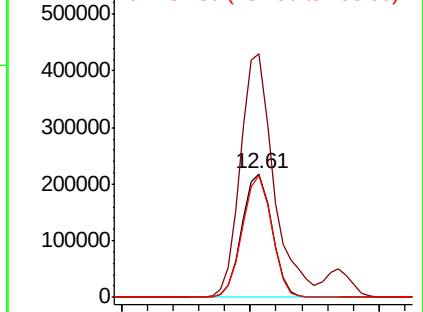


Abundance

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: 133.788 ug/l

RT: 12.67 min Scan# 1793

Delta R.T. -0.00 min

Lab File: VY001150.D

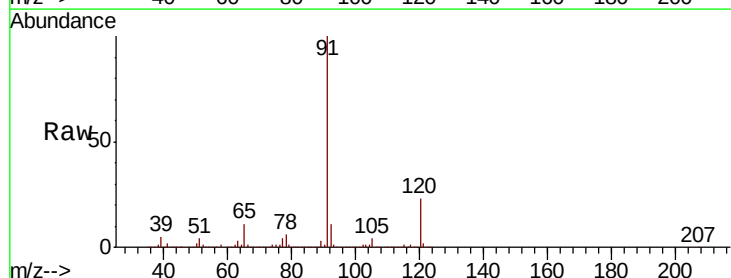
Acq: 10 Jan 2020 15:45

Tgt Ion: 91 Resp: 1926196

Ion Ratio Lower Upper

91 100

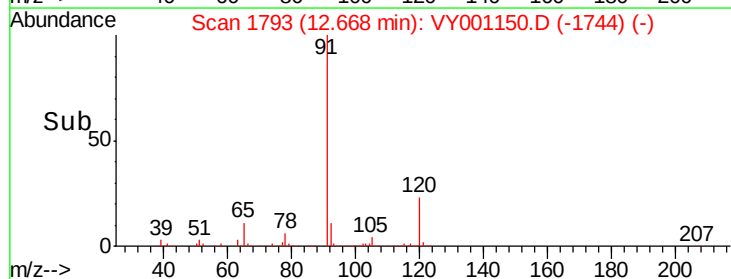
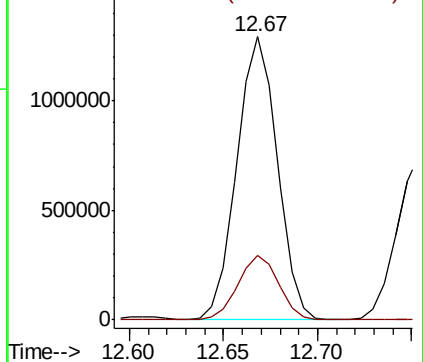
120 22.8 11.5 34.4

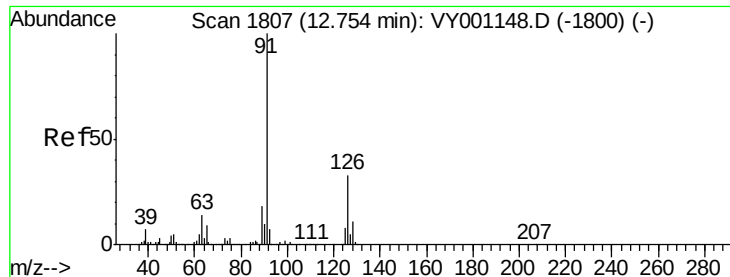


Abundance

Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 137.711 ug/l

RT: 12.75 min Scan# 1807

Delta R.T. -0.00 min

Lab File: VY001150.D

Acq: 10 Jan 2020 15:45

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDICC150

Tot Ion: 91 Resp: 1133620

Ion Ratio Lower Upper

91 100

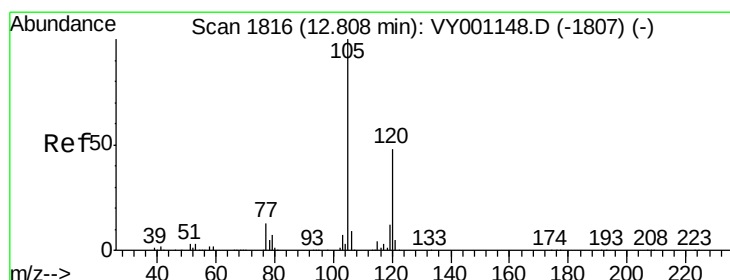
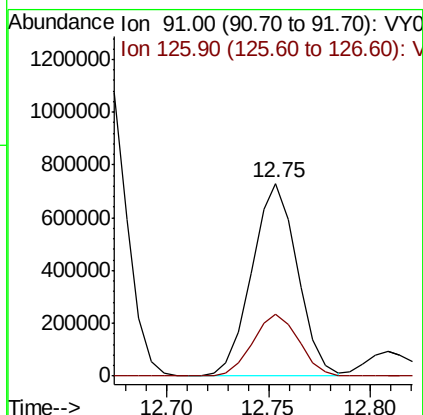
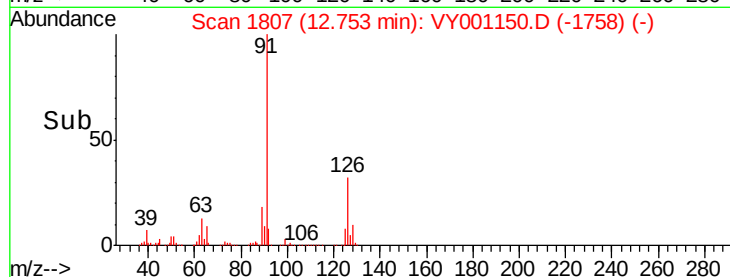
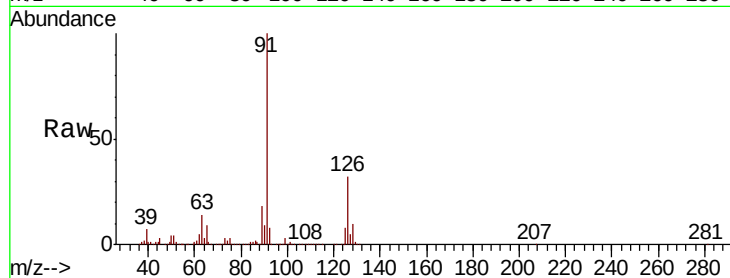
126 32.5 16.4 49.4

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 132.896 ug/l

RT: 12.81 min Scan# 1816

Delta R.T. -0.00 min

Lab File: VY001150.D

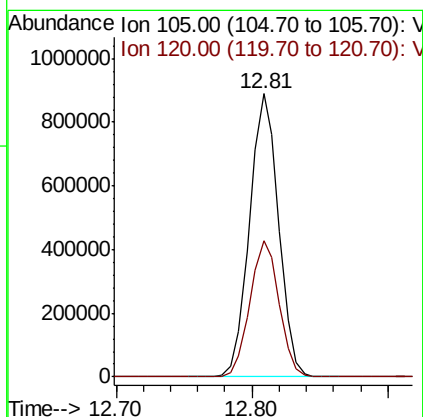
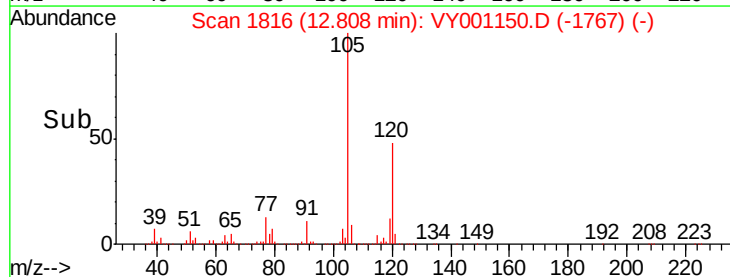
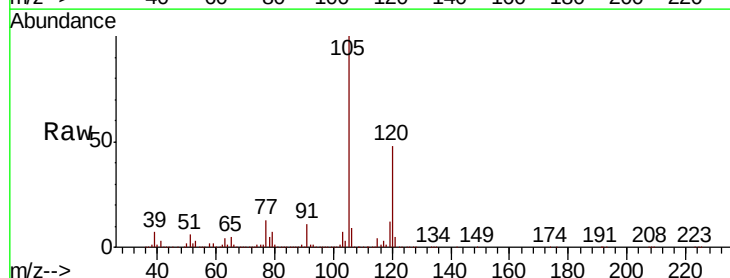
Acq: 10 Jan 2020 15:45

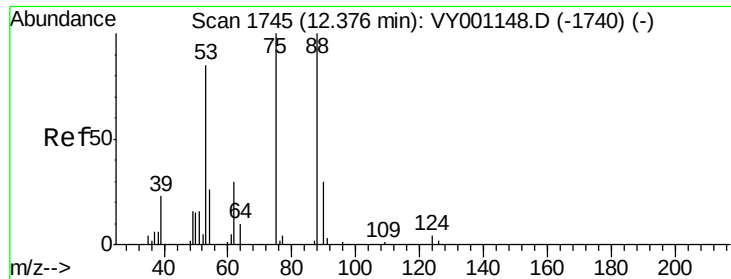
Tgt Ion:105 Resp: 1328560

Ion Ratio Lower Upper

105 100

120 48.3 24.2 72.6





#81

trans-1,4-Dichloro-2-butene

Concen: 144.945 ug/l

RT: 12.38 min Scan# 1745

Delta R.T. -0.00 min

Lab File: VY001150.D

Acq: 10 Jan 2020 15:45

Instrument :

MSVOA\_Y

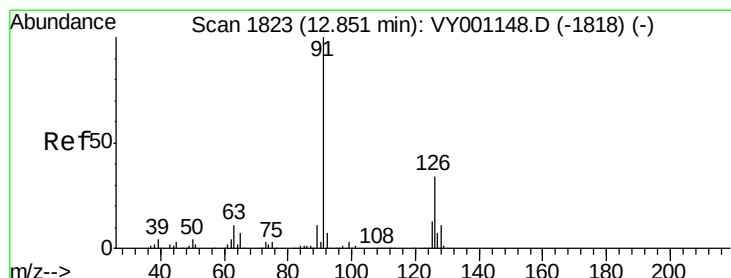
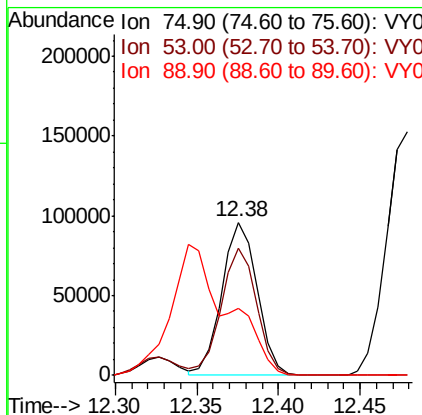
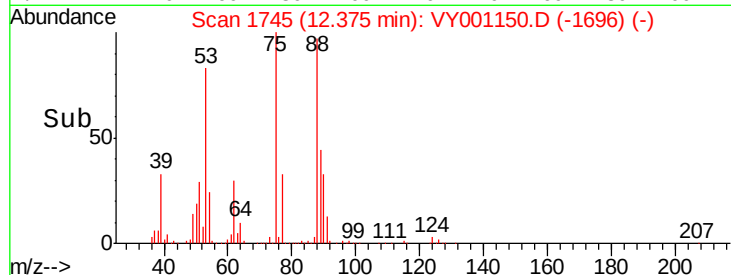
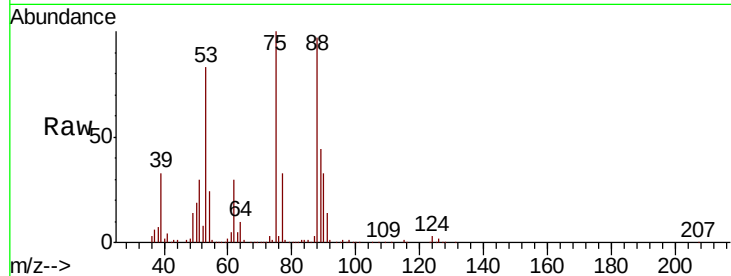
ClientSampleId :

VSTDIC150

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 75    | Resp: | 143866 |
| Ion      | Ratio | Lower | Upper  |
| 75       | 100   |       |        |
| 53       | 83.6  | 69.4  | 104.2  |
| 89       | 0.0   | 0.0   | 0.0    |

Manual Integrations  
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#82

4-Chlorotoluene

Concen: 136.687 ug/l

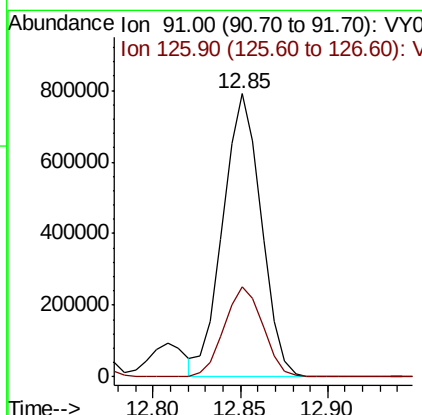
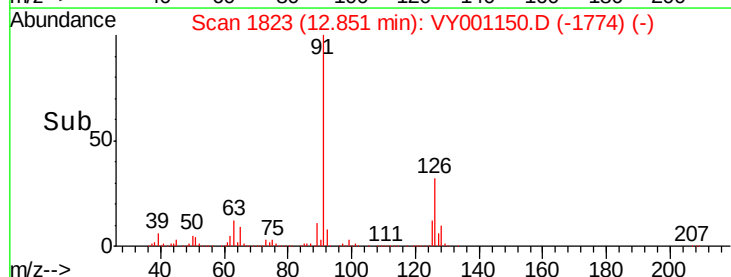
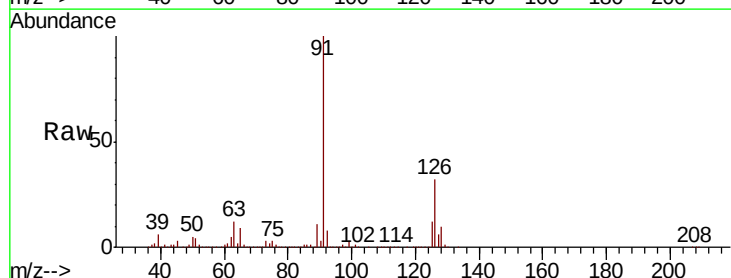
RT: 12.85 min Scan# 1823

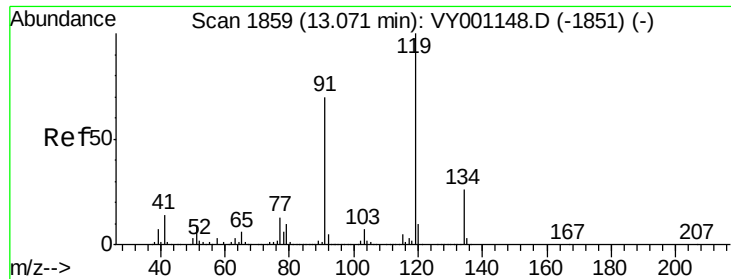
Delta R.T. -0.00 min

Lab File: VY001150.D

Acq: 10 Jan 2020 15:45

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 91    | Resp: | 1202611 |
| Ion      | Ratio | Lower | Upper   |
| 91       | 100   |       |         |
| 126      | 32.1  | 16.3  | 48.8    |





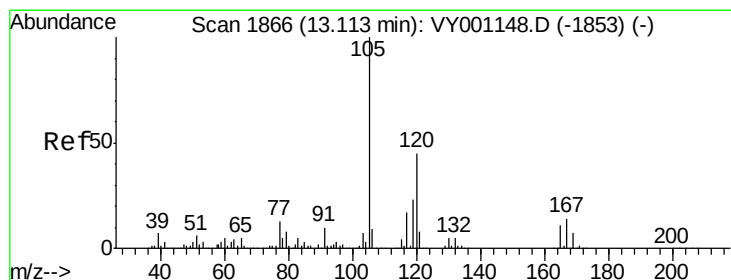
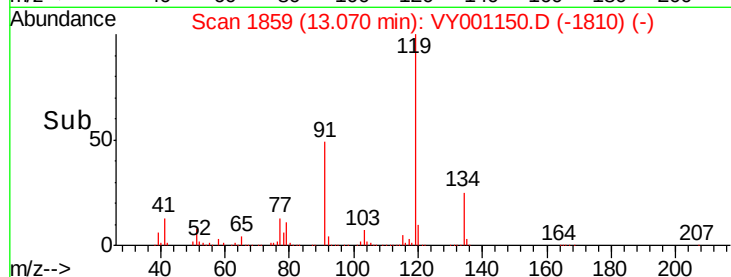
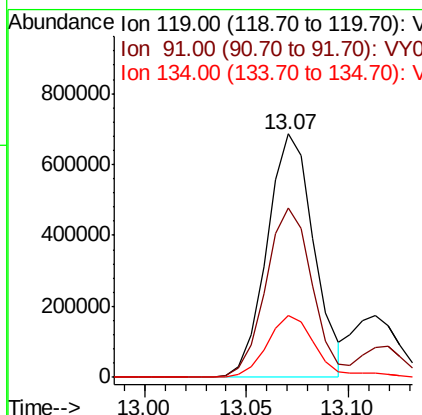
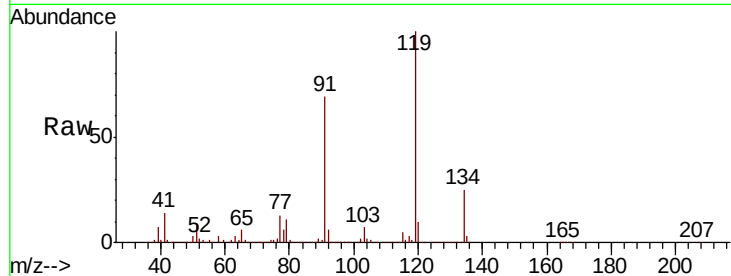
#83  
tert-Butylbenzene  
Concen: 130.709 ug/l  
RT: 13.07 min Scan# 1859  
Delta R.T. -0.00 min  
Lab File: VY001150.D  
Acq: 10 Jan 2020 15:45

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC150

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 91      | 69.4  | 33.9  | 101.7 |
| 134     | 26.3  | 13.5  | 40.4  |

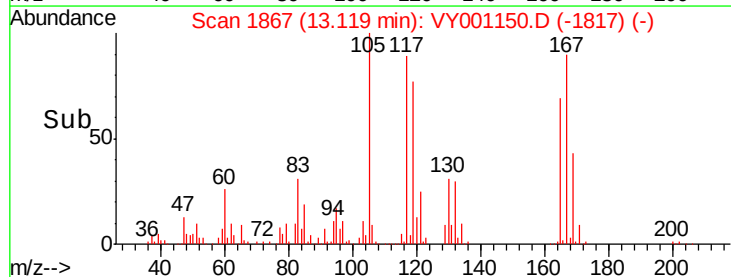
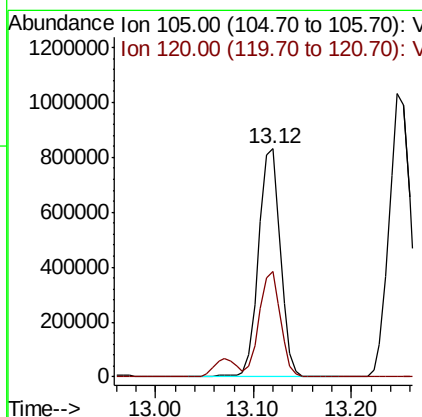
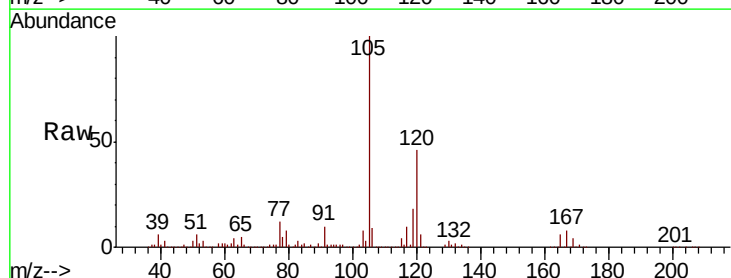
Manual Integrations  
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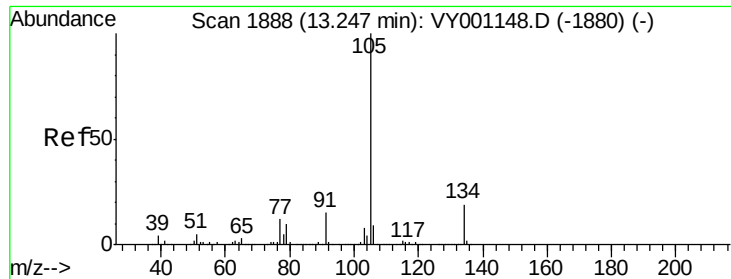
MMDadoda  
1/13/2020 12:39:06 PM



#84  
1,2,4-Trimethylbenzene  
Concen: 130.167 ug/l  
RT: 13.12 min Scan# 1867  
Delta R.T. 0.01 min  
Lab File: VY001150.D  
Acq: 10 Jan 2020 15:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 45.1  | 22.8  | 68.3  |





#85

sec-Butylbenzene

Concen: 130.711 ug/l

RT: 13.25 min Scan# 1888

Delta R.T. -0.00 min

Lab File: VY001150.D

Acq: 10 Jan 2020 15:45

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 1583499

Ion Ratio Lower Upper

105 100

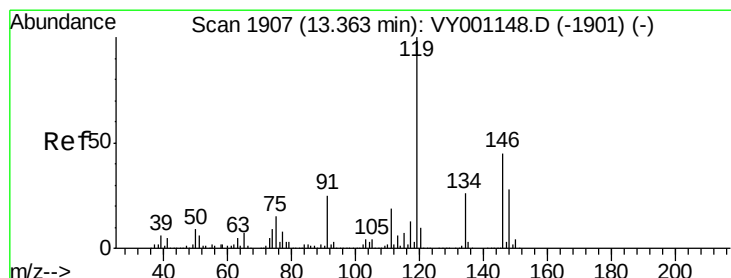
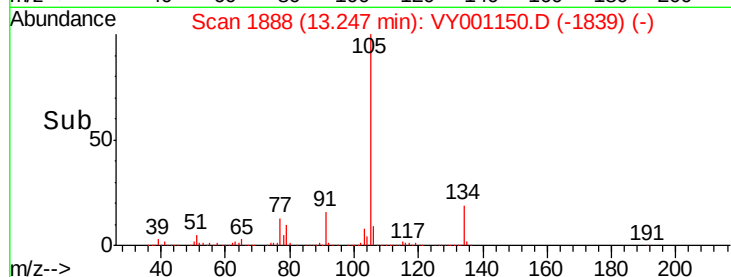
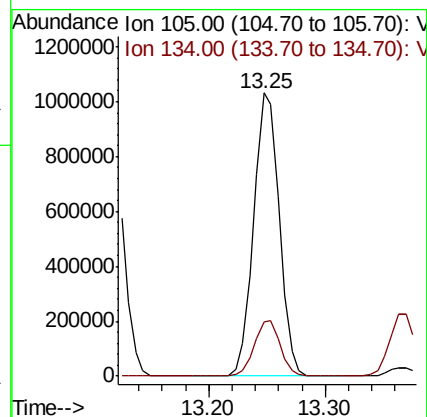
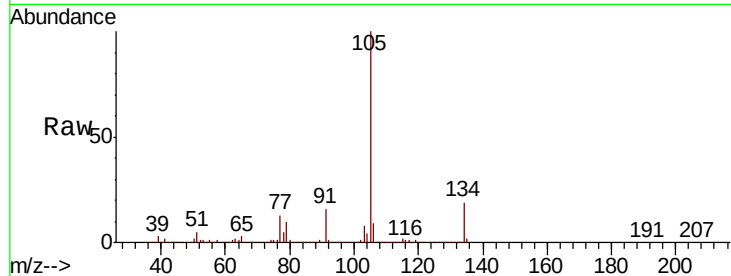
134 19.8 9.8 29.5

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 124.683 ug/l

RT: 13.36 min Scan# 1907

Delta R.T. -0.00 min

Lab File: VY001150.D

Acq: 10 Jan 2020 15:45

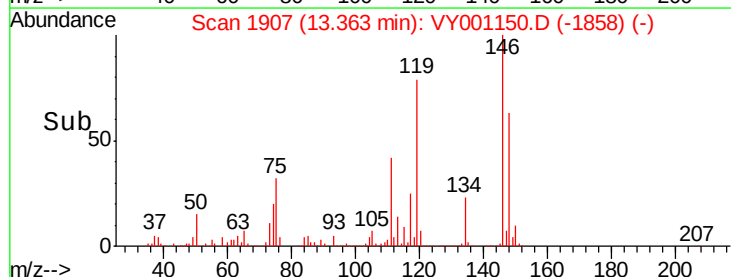
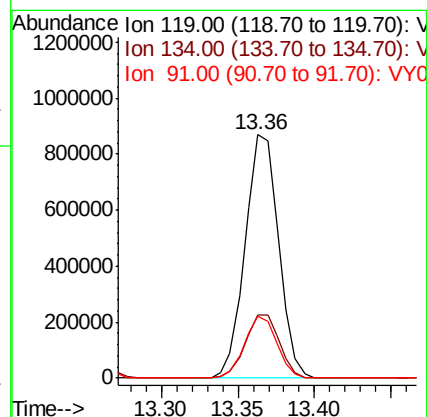
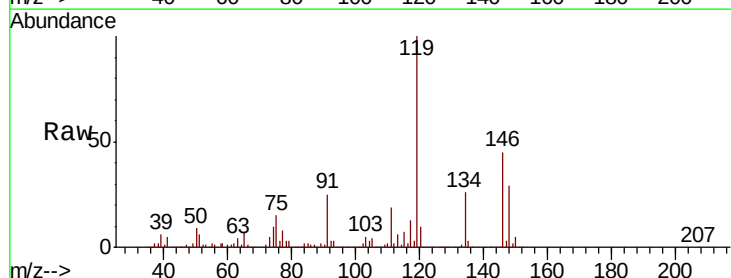
Tgt Ion:119 Resp: 1320497

Ion Ratio Lower Upper

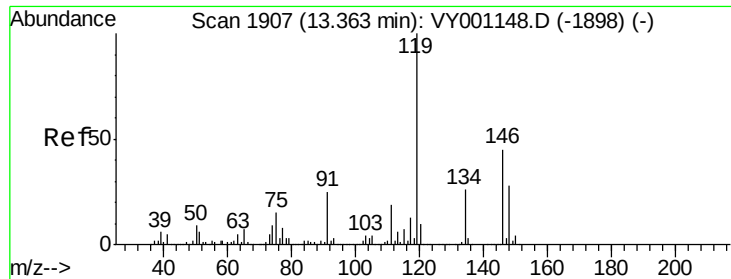
119 100

134 26.5 13.4 40.2

91 24.7 12.4 37.2







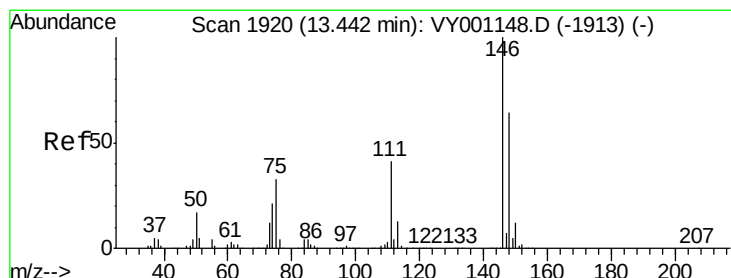
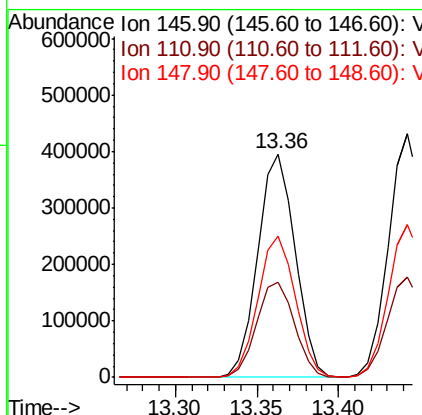
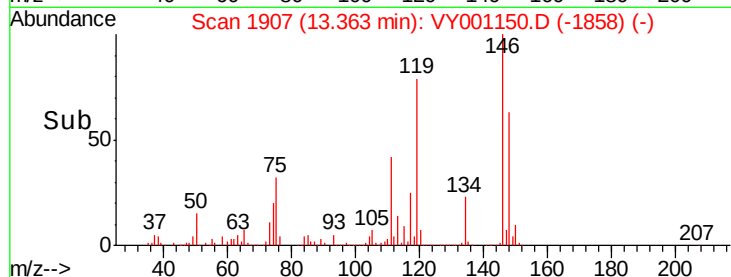
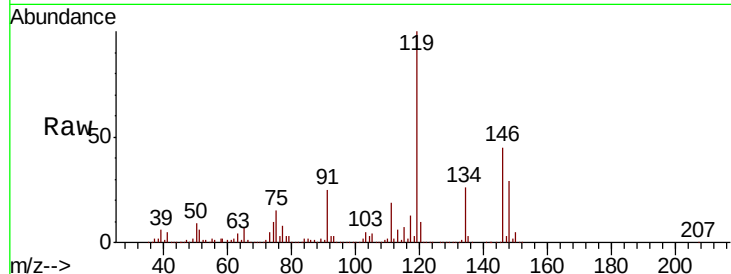
#87  
 1,3-Dichlorobenzene  
 Concen: 124.374 ug/l  
 RT: 13.36 min Scan# 1907  
 Delta R.T. -0.00 min  
 Lab File: VY001150.D  
 Acq: 10 Jan 2020 15:45

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDIC150

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 146     | 100   | 628795 |       |       |
| 111     | 43.1  | 21.3   | 64.0  |       |
| 148     | 63.3  | 31.9   | 95.5  |       |

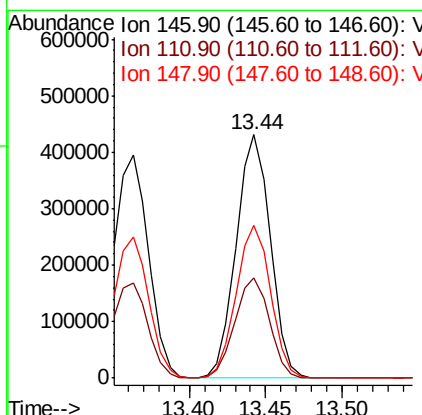
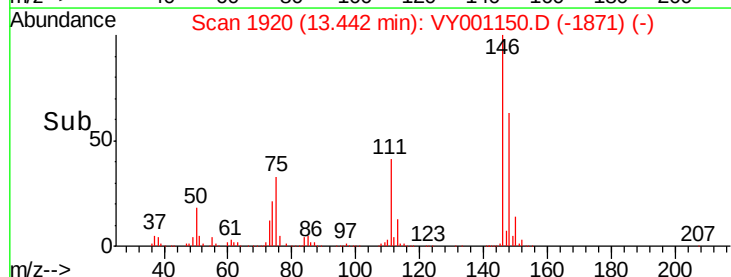
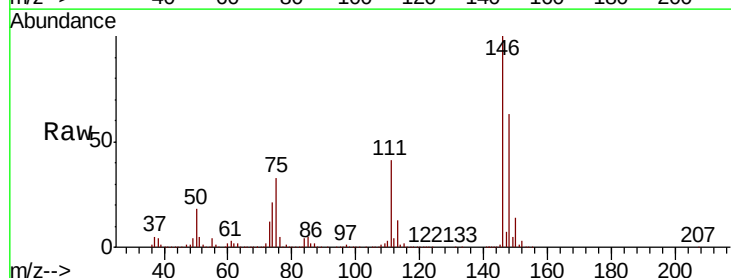
Manual Integrations  
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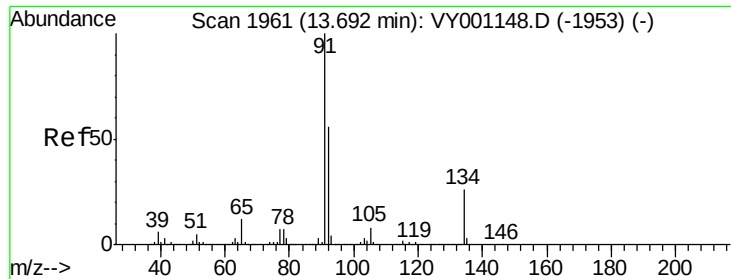
MMDadoda  
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#88  
 1,4-Dichlorobenzene  
 Concen: 129.457 ug/l  
 RT: 13.44 min Scan# 1920  
 Delta R.T. -0.00 min  
 Lab File: VY001150.D  
 Acq: 10 Jan 2020 15:45

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 146     | 100   | 669708 |       |       |
| 111     | 41.5  | 20.8   | 62.5  |       |
| 148     | 63.1  | 32.0   | 96.2  |       |





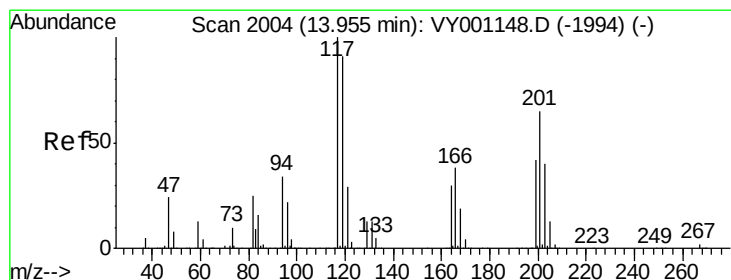
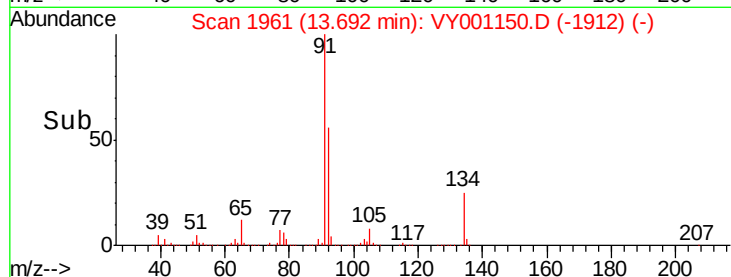
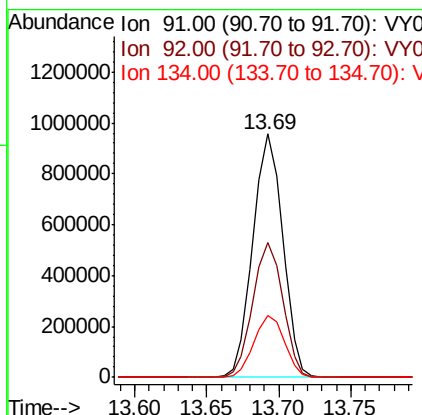
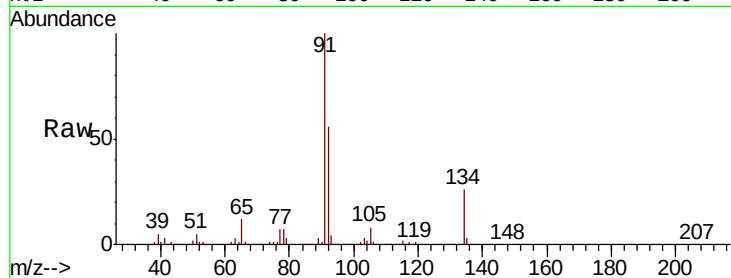
#89  
n-Butylbenzene  
Concen: 129.860 ug/l  
RT: 13.69 min Scan# 1961  
Delta R.T. -0.00 min  
Lab File: VY001150.D  
Acq: 10 Jan 2020 15:45

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC150

Tot Ion: 91 Resp: 1377041  
Ion Ratio Lower Upper  
91 100  
92 55.6 27.7 83.1  
134 25.8 12.9 38.6

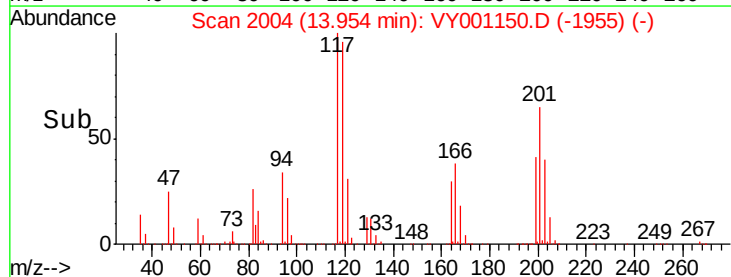
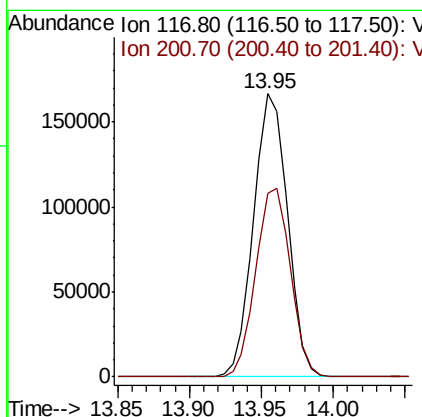
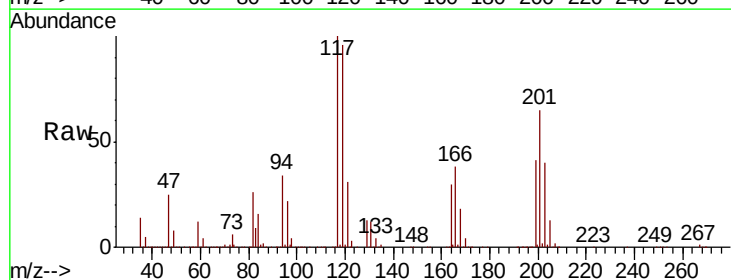
Manual Integrations  
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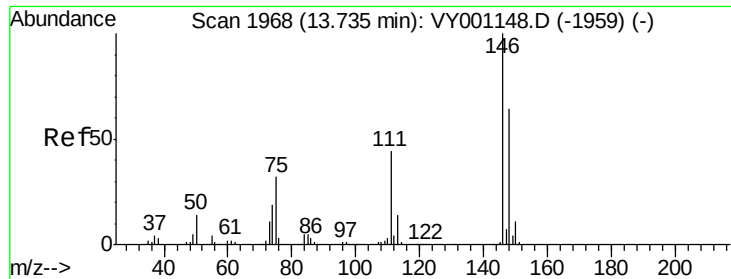
MMDadoda  
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#90  
Hexachloroethane  
Concen: 132.154 ug/l  
RT: 13.95 min Scan# 2004  
Delta R.T. -0.00 min  
Lab File: VY001150.D  
Acq: 10 Jan 2020 15:45

Tgt Ion: 117 Resp: 271164  
Ion Ratio Lower Upper  
117 100  
201 68.1 35.4 106.2





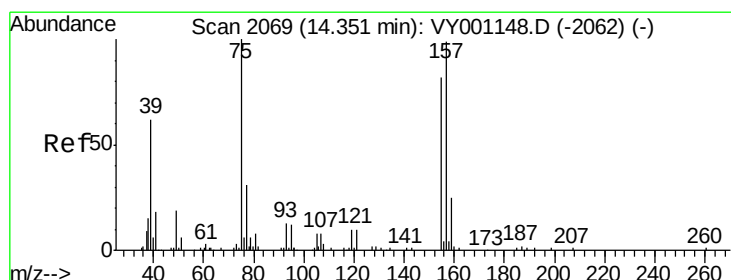
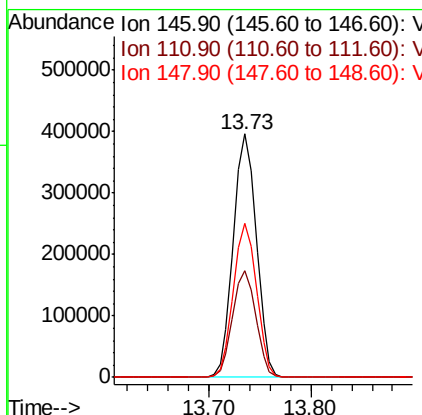
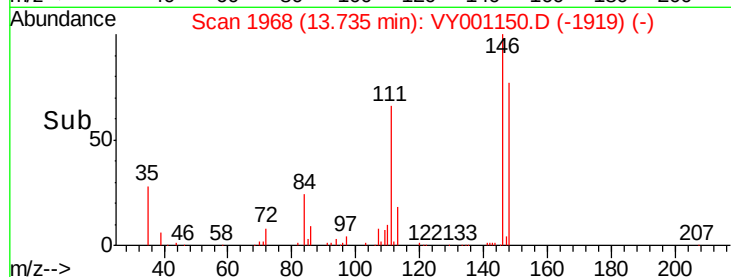
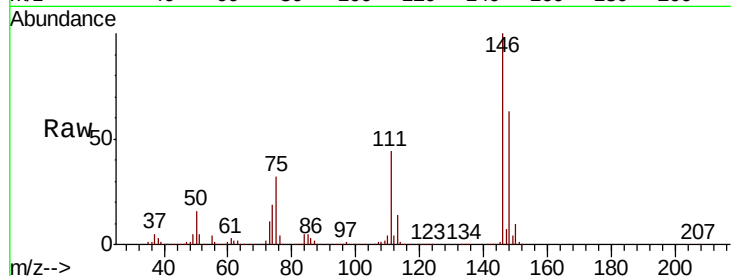
#91  
 1,2-Dichlorobenzene  
 Concen: 133.247 ug/l  
 RT: 13.73 min Scan# 1968  
 Delta R.T. -0.00 min  
 Lab File: VY001150.D  
 Acq: 10 Jan 2020 15:45

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDIC150

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 44.0  | 22.0  | 66.0  |
| 148     | 63.3  | 32.1  | 96.3  |

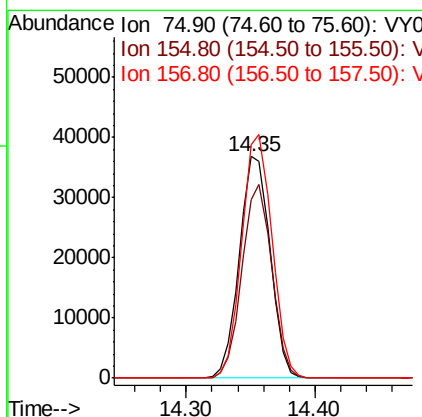
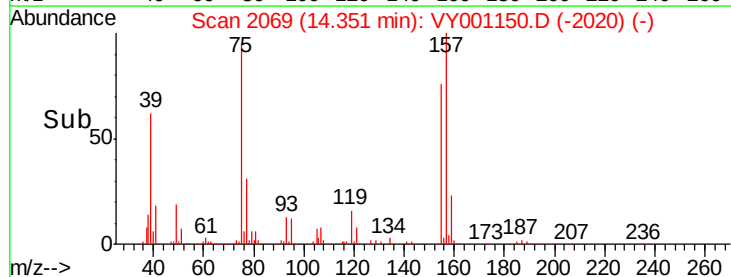
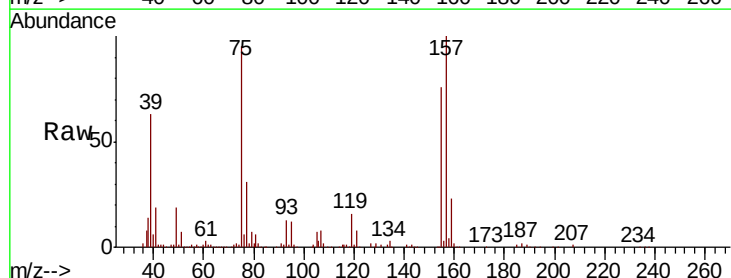
Manual Integrations  
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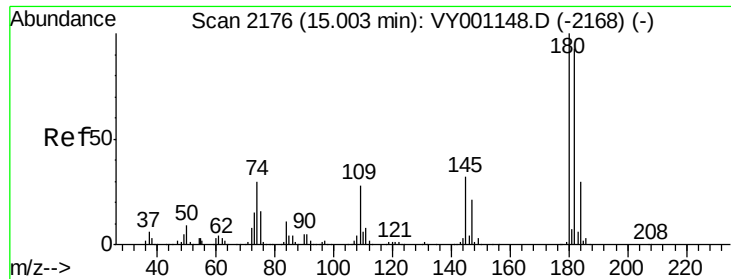
MMDadoda  
 1/13/2020 12:39:06 PM



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 134.425 ug/l  
 RT: 14.35 min Scan# 2069  
 Delta R.T. -0.00 min  
 Lab File: VY001150.D  
 Acq: 10 Jan 2020 15:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 83.9  | 41.2  | 123.6 |
| 157     | 107.4 | 52.8  | 158.4 |





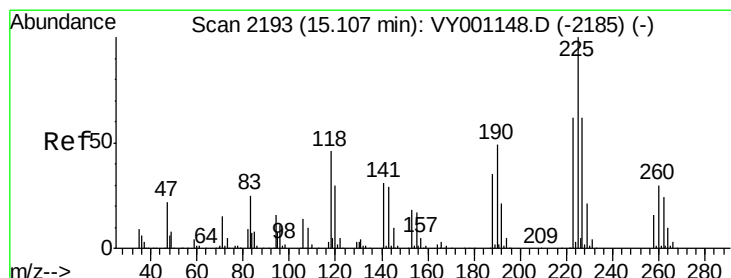
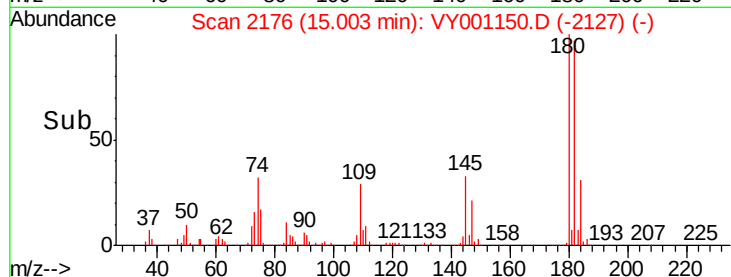
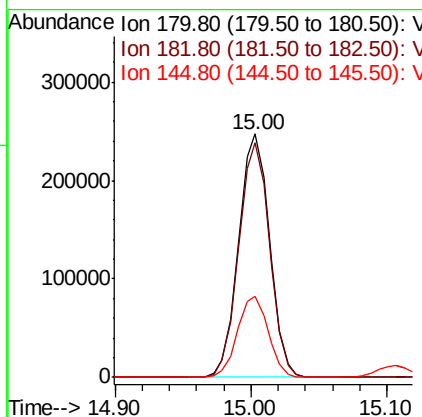
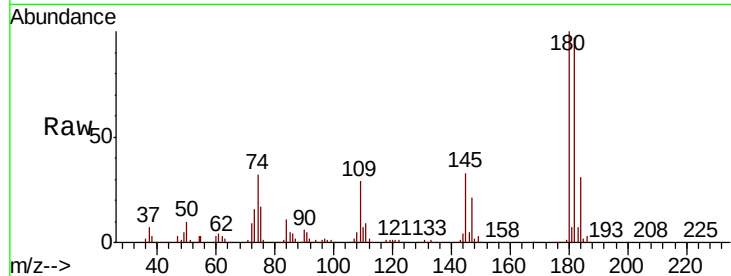
#93  
1,2,4-Trichlorobenzene  
Concen: 126.838 ug/l  
RT: 15.00 min Scan# 2176  
Delta R.T. -0.00 min  
Lab File: VY001150.D  
Acq: 10 Jan 2020 15:45

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC150

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 391556 |       |       |
| 182     | 96.1  | 46.9   | 140.8 |       |
| 145     | 33.2  | 16.0   | 48.0  |       |

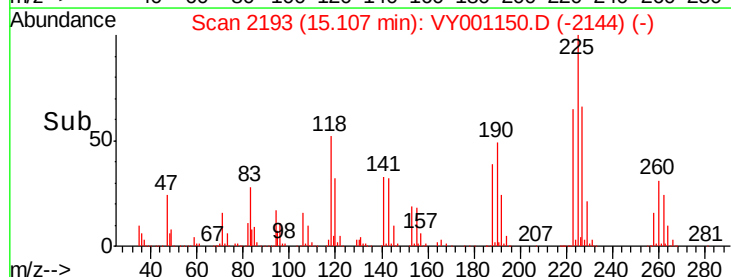
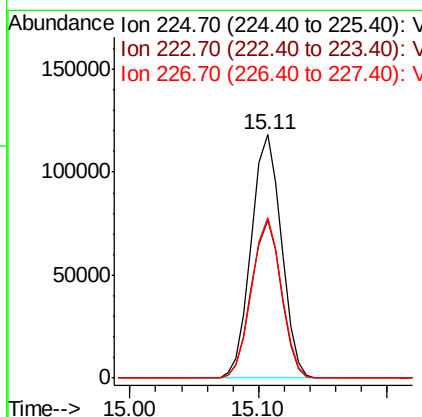
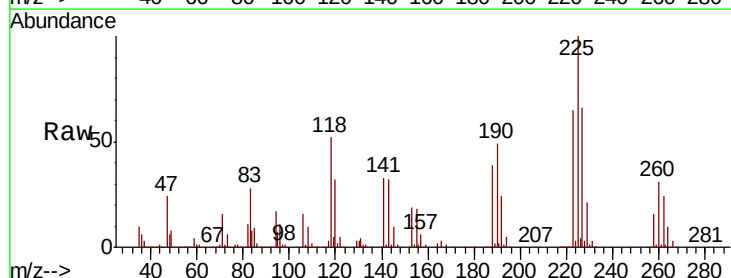
Manual Integrations  
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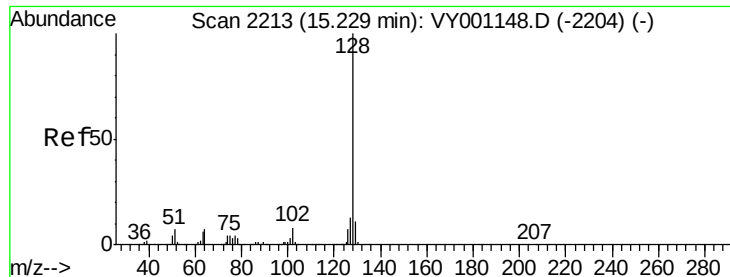
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1/13/2020 12:39:06 PM



#94  
Hexachlorobutadiene  
Concen: 121.867 ug/l  
RT: 15.11 min Scan# 2193  
Delta R.T. -0.00 min  
Lab File: VY001150.D  
Acq: 10 Jan 2020 15:45

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 225     | 100   | 190609 |       |       |
| 223     | 63.9  | 31.1   | 93.3  |       |
| 227     | 64.8  | 31.3   | 93.9  |       |





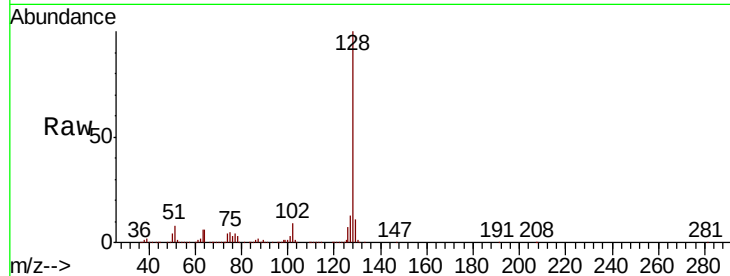
#95  
Naphthalene  
Concen: 135.097 ug/l  
RT: 15.23 min Scan# 2213  
Delta R.T. -0.00 min  
Lab File: VY001150.D  
Acq: 10 Jan 2020 15:45

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC150

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 12.7  | 10.2  | 15.4  |
| 129     | 11.0  | 8.5   | 12.7  |

Manual Integrations  
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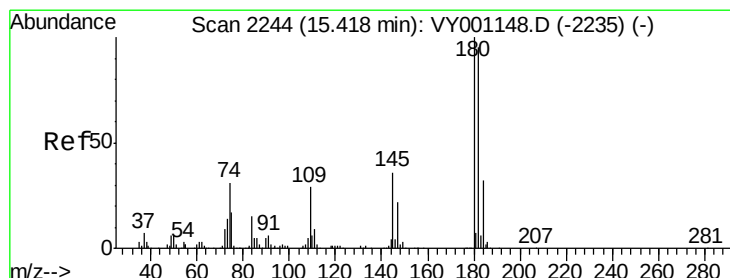
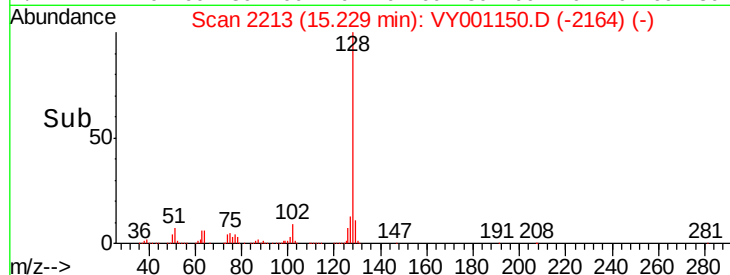
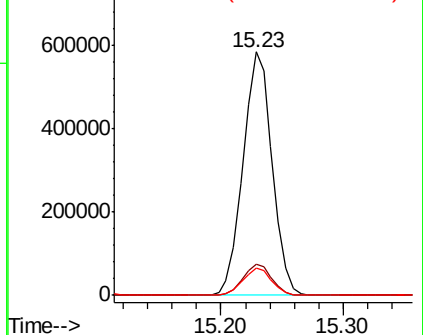


Abundance

Ion 128.00 (127.70 to 128.70): V

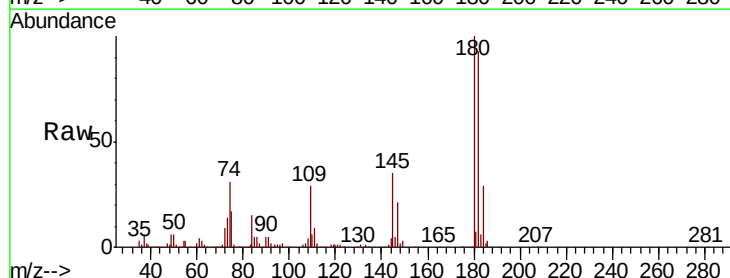
Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96  
1,2,3-Trichlorobenzene  
Concen: 130.639 ug/l  
RT: 15.42 min Scan# 2244  
Delta R.T. -0.00 min  
Lab File: VY001150.D  
Acq: 10 Jan 2020 15:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 94.6  | 47.5  | 142.5 |
| 145     | 35.0  | 17.1  | 51.3  |



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

