

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY070820\  
 Data File : VY003139.D  
 Acq On : 08 Jul 2020 16:38  
 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5.00G/5ML/MSVOA Y/SOIL  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050EC

Manual Integrations  
 APPROVED

MMDadoda  
 7/9/2020 10:48:56 AM

Quant Time: Jul 09 03:33:51 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y062920S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jun 30 04:11:35 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.80  | 168  | 384486   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.69  | 114  | 547134   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.49 | 117  | 512308   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.42 | 152  | 273786   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 8.14   | 65  | 180112   | 47.17 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 94.34%  |      |
| 35) Dibromofluoromethane  | 7.72   | 113 | 185389   | 54.32 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 108.64% |      |
| 50) Toluene-d8            | 10.18  | 98  | 669465   | 52.65 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 105.30% |      |
| 62) 4-Bromofluorobenzene  | 12.48  | 95  | 237090   | 52.97 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 105.94% |      |

## Target Compounds

|                               |      |     |         |         |        | Qvalue |
|-------------------------------|------|-----|---------|---------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.91 | 85  | 128805  | 44.235  | ug/l   | 97     |
| 3) Chloromethane              | 2.12 | 50  | 185651  | 43.539  | ug/l   | 99     |
| 4) Vinyl Chloride             | 2.26 | 62  | 195534  | 47.012  | ug/l   | 97     |
| 5) Bromomethane               | 2.66 | 94  | 151661  | 53.704  | ug/l   | 99     |
| 6) Chloroethane               | 2.80 | 64  | 131271  | 49.613  | ug/l   | 99     |
| 7) Trichlorofluoromethane     | 3.13 | 101 | 291393  | 49.637  | ug/l   | 97     |
| 8) Diethyl Ether              | 3.54 | 74  | 98830   | 49.107  | ug/l   | 90     |
| 9) 1,1,2-Trichlorotrifluoroet | 3.91 | 101 | 177895  | 50.751  | ug/l   | 98     |
| 10) Methyl Iodide             | 4.10 | 142 | 173934  | 40.017  | ug/l   | 98     |
| 11) Tert butyl alcohol        | 4.97 | 59  | 64297   | 165.215 | ug/l # | 92     |
| 12) 1,1-Dichloroethene        | 3.88 | 96  | 165272  | 49.555  | ug/l   | 88     |
| 13) Acrolein                  | 3.74 | 56  | 77648   | 222.148 | ug/l   | 99     |
| 14) Allyl chloride            | 4.49 | 41  | 243099  | 41.748  | ug/l   | 96     |
| 15) Acrylonitrile             | 5.18 | 53  | 226049  | 217.939 | ug/l   | 99     |
| 16) Acetone                   | 3.96 | 43  | 160872  | 178.620 | ug/l   | 100    |
| 17) Carbon Disulfide          | 4.20 | 76  | 482909  | 45.319  | ug/l   | 100    |
| 18) Methyl Acetate            | 4.49 | 43  | 103438  | 42.629  | ug/l   | 93     |
| 19) Methyl tert-butyl Ether   | 5.22 | 73  | 479071  | 49.279  | ug/l   | 99     |
| 20) Methylene Chloride        | 4.72 | 84  | 213653  | 53.673  | ug/l   | 91     |
| 21) trans-1,2-Dichloroethene  | 5.22 | 96  | 188841  | 50.057  | ug/l   | 91     |
| 22) Diisopropyl ether         | 6.13 | 45  | 560922  | 44.944  | ug/l   | 97     |
| 23) Vinyl Acetate             | 6.07 | 43  | 1869177 | 224.013 | ug/l   | 97     |
| 24) 1,1-Dichloroethane        | 6.03 | 63  | 327448  | 48.030  | ug/l   | 99     |
| 25) 2-Butanone                | 7.00 | 43  | 276546  | 193.299 | ug/l   | 95     |
| 26) 2,2-Dichloropropane       | 6.99 | 77  | 290826  | 46.952  | ug/l   | 99     |
| 27) cis-1,2-Dichloroethene    | 6.99 | 96  | 213109  | 50.365  | ug/l   | 93     |
| 28) Bromochloromethane        | 7.34 | 49  | 151279  | 49.871  | ug/l   | 86     |
| 29) Tetrahydrofuran           | 7.35 | 42  | 194542  | 204.480 | ug/l   | 90     |
| 30) Chloroform                | 7.51 | 83  | 338663  | 50.142  | ug/l   | 100    |
| 31) Cyclohexane               | 7.79 | 56  | 281956  | 41.981  | ug/l   | 94     |
| 32) 1,1,1-Trichloroethane     | 7.71 | 97  | 303647  | 49.253  | ug/l   | 99     |
| 36) 1,1-Dichloropropene       | 7.92 | 75  | 262499  | 49.808  | ug/l   | 98     |
| 37) Ethyl Acetate             | 7.08 | 43  | 150318  | 47.438  | ug/l   | 98     |
| 38) Carbon Tetrachloride      | 7.91 | 117 | 277110  | 50.537  | ug/l   | 97     |

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 Sample : VSTDCCC050  
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 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050EC

Manual Integrations  
 APPROVED

MMDadoda  
 7/9/2020 10:48:56 AM

Quant Time: Jul 09 03:33:51 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y062920S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jun 30 04:11:35 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 9.19  | 83   | 323951   | 49.577  | ug/l   | 95       |
| 40) Benzene                    | 8.16  | 78   | 732242   | 50.750  | ug/l   | 98       |
| 41) Methacrylonitrile          | 7.32  | 41   | 69584m   | 41.109  | ug/l   |          |
| 42) 1,2-Dichloroethane         | 8.24  | 62   | 221720   | 48.575  | ug/l   | 99       |
| 43) Isopropyl Acetate          | 8.28  | 43   | 274091   | 45.500  | ug/l   | 95       |
| 44) Trichloroethene            | 8.94  | 130  | 226945   | 54.116  | ug/l   | 99       |
| 45) 1,2-Dichloropropane        | 9.22  | 63   | 191598   | 49.358  | ug/l   | 98       |
| 46) Dibromomethane             | 9.31  | 93   | 114364   | 52.750  | ug/l   | 99       |
| 47) Bromodichloromethane       | 9.50  | 83   | 274560   | 51.719  | ug/l   | 100      |
| 48) Methyl methacrylate        | 9.30  | 41   | 125961   | 45.939  | ug/l   | 92       |
| 49) 1,4-Dioxane                | 9.32  | 88   | 18737    | 707.986 | ug/l # | 73       |
| 51) 4-Methyl-2-Pentanone       | 10.07 | 43   | 732986   | 235.421 | ug/l   | 97       |
| 52) Toluene                    | 10.24 | 92   | 470064   | 51.753  | ug/l   | 100      |
| 53) t-1,3-Dichloropropene      | 10.47 | 75   | 279440   | 50.206  | ug/l   | 97       |
| 54) cis-1,3-Dichloropropene    | 9.93  | 75   | 321026   | 50.433  | ug/l   | 95       |
| 55) 1,1,2-Trichloroethane      | 10.64 | 97   | 160508   | 53.277  | ug/l   | 99       |
| 56) Ethyl methacrylate         | 10.51 | 69   | 225813   | 51.780  | ug/l   | 94       |
| 57) 1,3-Dichloropropane        | 10.79 | 76   | 270720   | 51.187  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether  | 9.78  | 63   | 573665   | 256.485 | ug/l   | 96       |
| 59) 2-Hexanone                 | 10.83 | 43   | 507015   | 232.978 | ug/l   | 96       |
| 60) Dibromochloromethane       | 10.99 | 129  | 211139   | 54.764  | ug/l   | 98       |
| 61) 1,2-Dibromoethane          | 11.09 | 107  | 159543   | 53.717  | ug/l   | 100      |
| 64) Tetrachloroethene          | 10.72 | 164  | 262935   | 60.641  | ug/l   | 97       |
| 65) Chlorobenzene              | 11.52 | 112  | 523732   | 51.846  | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane  | 11.59 | 131  | 209608   | 53.147  | ug/l   | 100      |
| 67) Ethyl Benzene              | 11.59 | 91   | 942592   | 51.005  | ug/l   | 99       |
| 68) m/p-Xylenes                | 11.70 | 106  | 713641   | 103.756 | ug/l   | 98       |
| 69) o-Xylene                   | 12.03 | 106  | 335953   | 51.833  | ug/l   | 97       |
| 70) Styrene                    | 12.04 | 104  | 587976   | 53.101  | ug/l   | 98       |
| 71) Bromoform                  | 12.20 | 173  | 138467   | 52.653  | ug/l   | 98       |
| 73) Isopropylbenzene           | 12.33 | 105  | 918335   | 51.252  | ug/l   | 100      |
| 74) N-amyl acetate             | 12.14 | 43   | 267200   | 45.807  | ug/l   | 94       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.58 | 83   | 179691   | 49.694  | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane     | 12.63 | 75   | 135372m  | 49.959  | ug/l   |          |
| 77) Bromobenzene               | 12.61 | 156  | 242403   | 52.763  | ug/l   | 94       |
| 78) n-propylbenzene            | 12.67 | 91   | 1093948  | 50.765  | ug/l   | 99       |
| 79) 2-Chlorotoluene            | 12.75 | 91   | 602375   | 50.080  | ug/l   | 97       |
| 80) 1,3,5-Trimethylbenzene     | 12.81 | 105  | 764893   | 50.871  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-buten | 12.38 | 75   | 69219    | 49.701  | ug/l   | 96       |
| 82) 4-Chlorotoluene            | 12.85 | 91   | 635251   | 50.726  | ug/l   | 98       |
| 83) tert-Butylbenzene          | 13.07 | 119  | 673195   | 50.989  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene     | 13.12 | 105  | 776752   | 51.267  | ug/l   | 98       |
| 85) sec-Butylbenzene           | 13.25 | 105  | 936643   | 51.470  | ug/l   | 100      |
| 86) p-Isopropyltoluene         | 13.37 | 119  | 862446   | 51.146  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene        | 13.36 | 146  | 451010   | 52.582  | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene        | 13.44 | 146  | 441997   | 52.259  | ug/l   | 99       |
| 89) n-Butylbenzene             | 13.70 | 91   | 822729   | 50.994  | ug/l   | 99       |
| 90) Hexachloroethane           | 13.96 | 117  | 164526   | 49.136  | ug/l   | 96       |
| 91) 1,2-Dichlorobenzene        | 13.74 | 146  | 401592   | 52.185  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.36 | 75   | 32488    | 50.754  | ug/l   | 93       |

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Sample : VSTDCCC050  
Misc : 5.00G/5ML/MSVOA Y/SOIL  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

Manual Integrations  
APPROVED

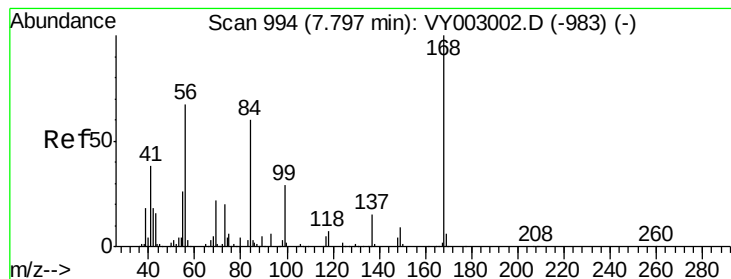
MMDadoda  
7/9/2020 10:48:56 AM

Quant Time: Jul 09 03:33:51 2020  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y062920S.M  
Quant Title : SW846 8260  
QLast Update : Tue Jun 30 04:11:35 2020  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 15.01 | 180  | 295294   | 51.640 | ug/l  | 100      |
| 94) Hexachlorobutadiene    | 15.11 | 225  | 179405   | 49.739 | ug/l  | 97       |
| 95) Naphthalene            | 15.23 | 128  | 560369   | 53.652 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 15.42 | 180  | 252398   | 50.831 | ug/l  | 100      |

(#) = 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: VY003139.D

Acq: 08 Jul 2020 16:38

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 384486

Ion Ratio Lower Upper

168 100

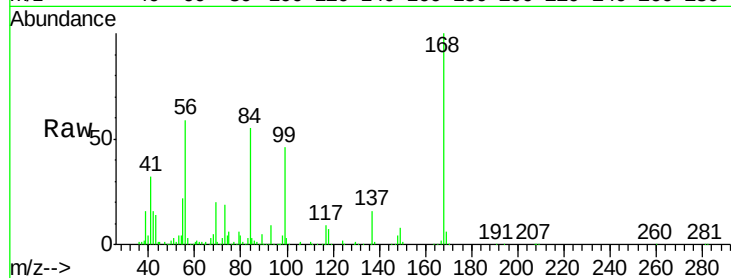
99 46.1 39.2 58.8

Manual Integrations

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7/9/2020 10:48:56 AM



Abundance Ion 167.90 (167.60 to 168.60): VY003139.D (-945) (-)

Ion 98.90 (98.60 to 99.60): VY003139.D (-945) (-)

7.80

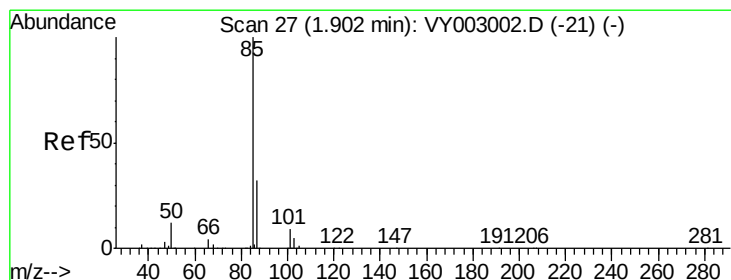
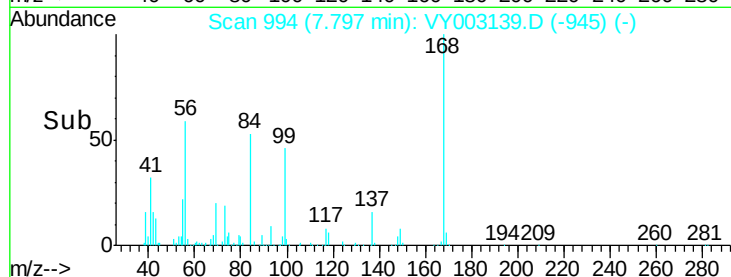
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 44.235 ug/l

RT: 1.91 min Scan# 28

Delta R.T. 0.01 min

Lab File: VY003139.D

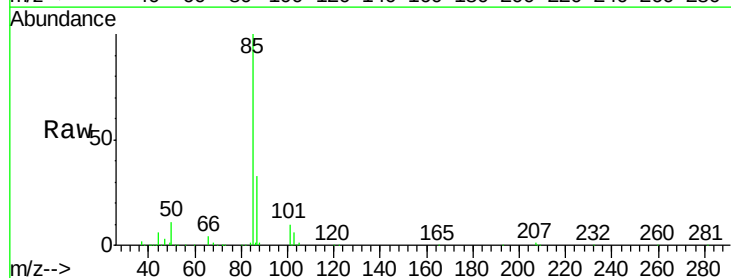
Acq: 08 Jul 2020 16:38

Tgt Ion: 85 Resp: 128805

Ion Ratio Lower Upper

85 100

87 33.3 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VY003139.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VY003139.D (-1) (-)

1.91

100000

80000

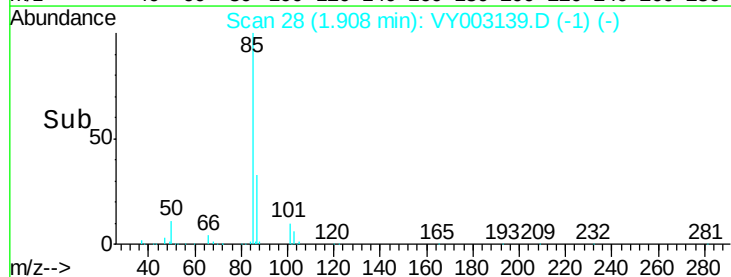
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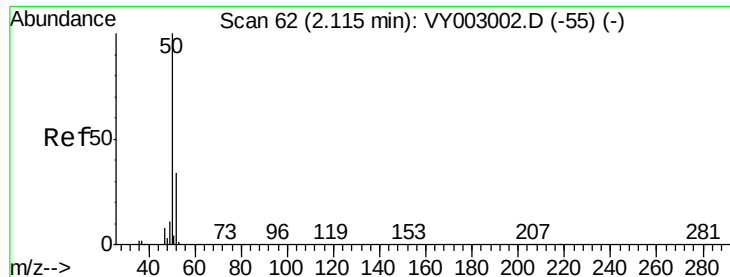
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20000

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Time-->





#3

Chloromethane

Concen: 43.539 ug/l

RT: 2.12 min Scan# 62

Delta R.T. 0.00 min

Lab File: VY003139.D

Acq: 08 Jul 2020 16:38

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 185651

Ion Ratio Lower Upper

50 100

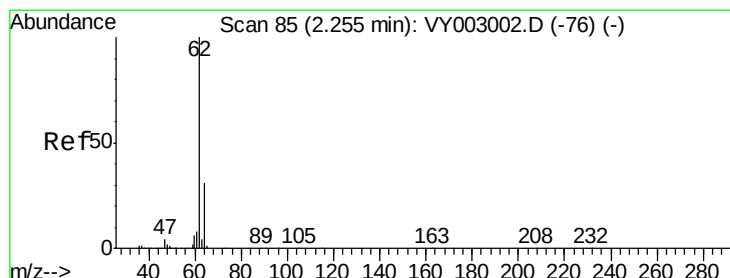
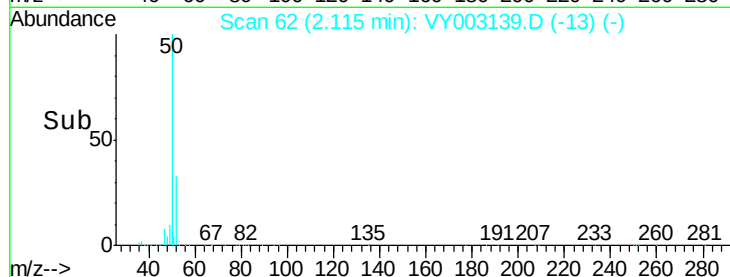
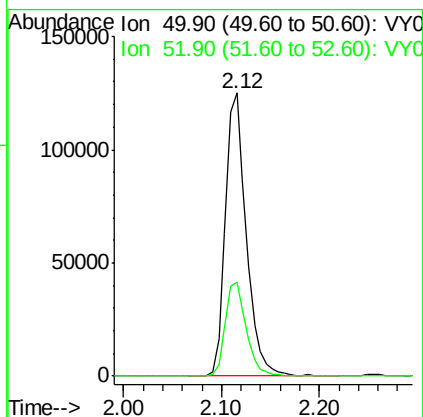
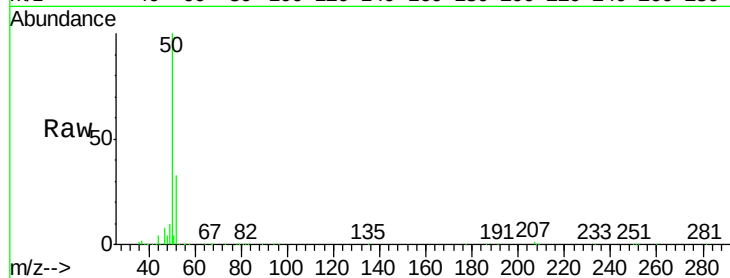
52 33.3 26.9 40.3

Manual Integrations

APPROVED

MMDadoda

7/9/2020 10:48:56 AM



#4

Vinyl Chloride

Concen: 47.012 ug/l

RT: 2.26 min Scan# 85

Delta R.T. 0.00 min

Lab File: VY003139.D

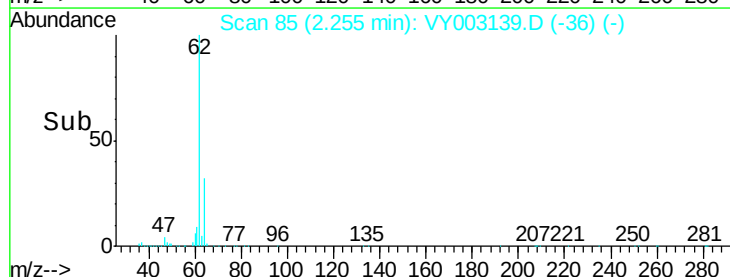
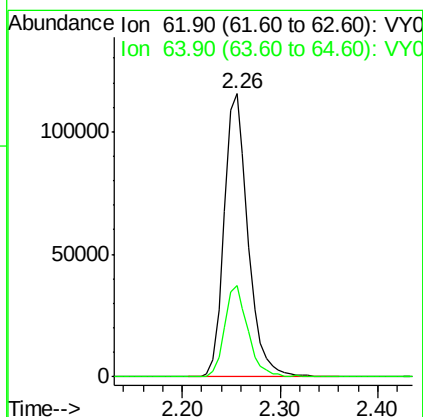
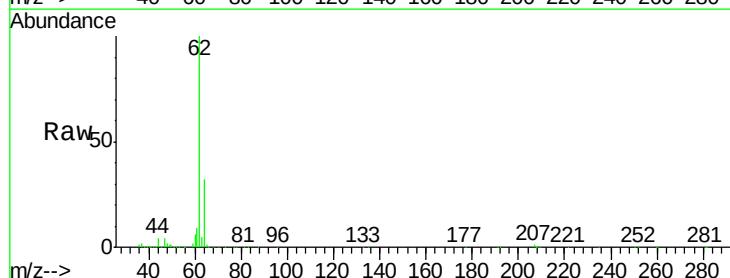
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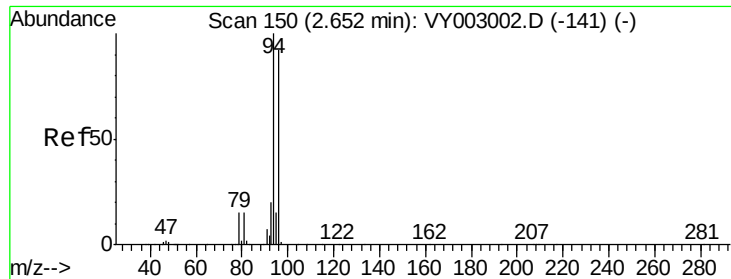
Tgt Ion: 62 Resp: 195534

Ion Ratio Lower Upper

62 100

64 32.1 24.4 36.6





#5

Bromomethane

Concen: 53.704 ug/l

RT: 2.66 min Scan# 151

Delta R.T. 0.01 min

Lab File: VY003139.D

Acq: 08 Jul 2020 16:38

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 151661

Ion Ratio Lower Upper

94 100

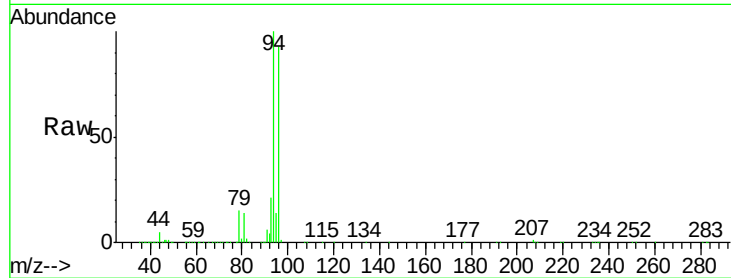
96 92.8 73.4 110.2

Manual Integrations

APPROVED

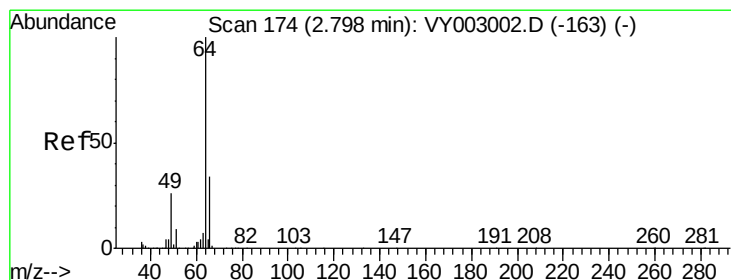
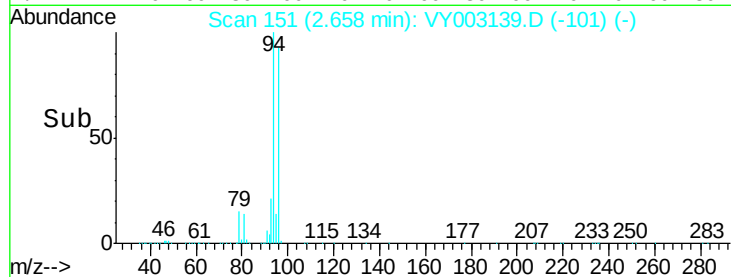
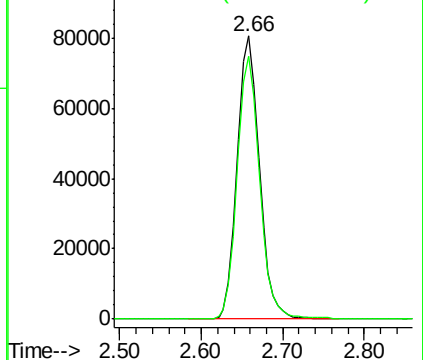
MMDadoda

7/9/2020 10:48:56 AM



Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 49.613 ug/l

RT: 2.80 min Scan# 174

Delta R.T. 0.00 min

Lab File: VY003139.D

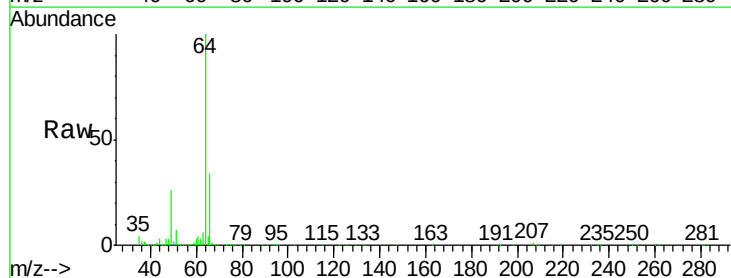
Acq: 08 Jul 2020 16:38

Tgt Ion: 64 Resp: 131271

Ion Ratio Lower Upper

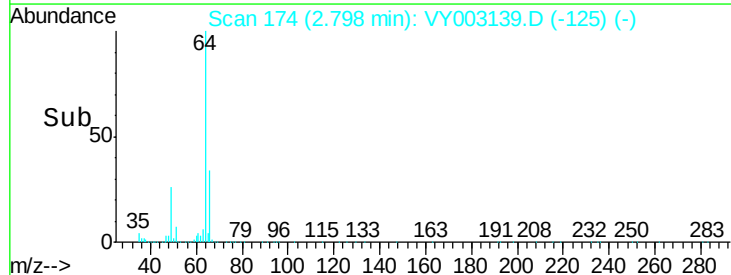
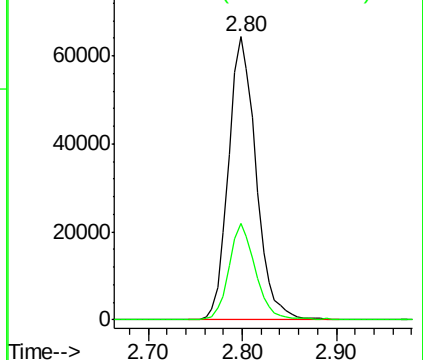
64 100

66 34.1 27.0 40.4

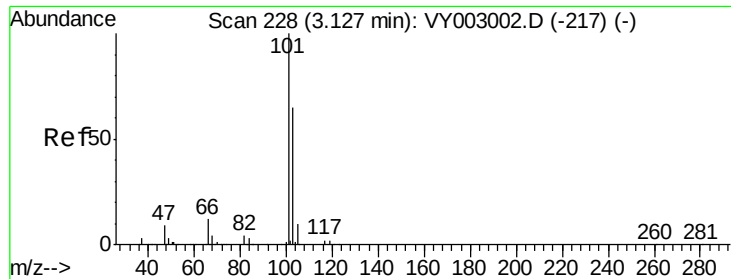


Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0







#7

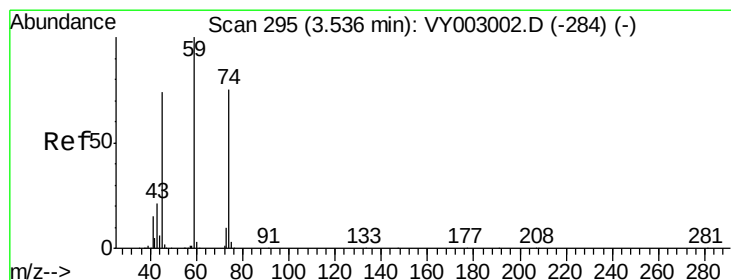
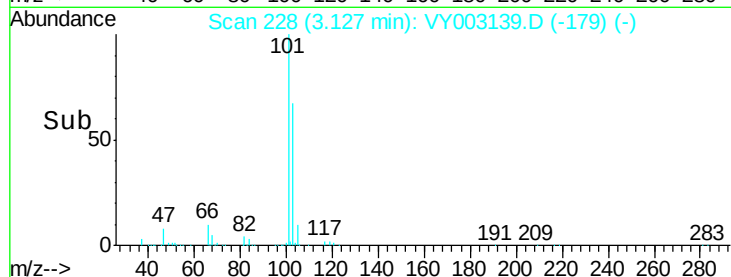
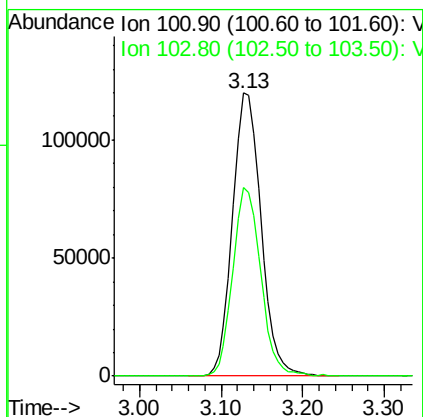
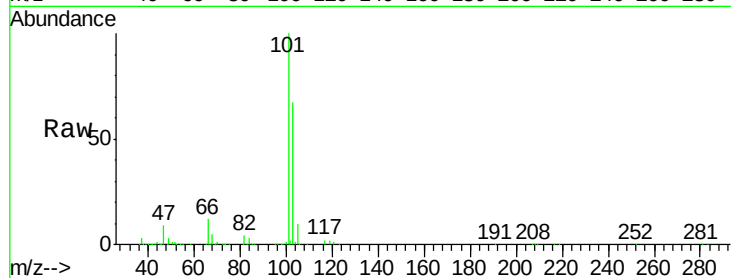
Trichlorofluoromethane  
Concen: 49.637 ug/l  
RT: 3.13 min Scan# 228  
Delta R.T. 0.00 min  
Lab File: VY003139.D  
Acq: 08 Jul 2020 16:38

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 101     | 100   | 291393 |       |       |
| 103     | 66.5  | 51.6   | 77.4  |       |

Manual Integrations  
APPROVED

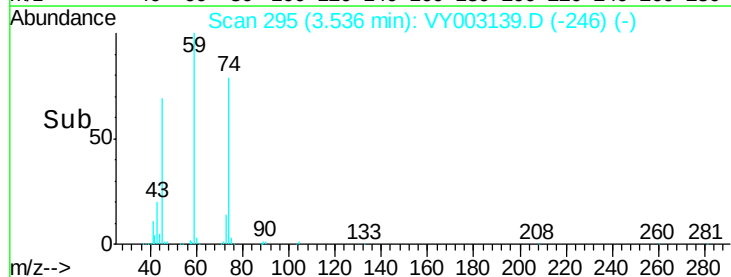
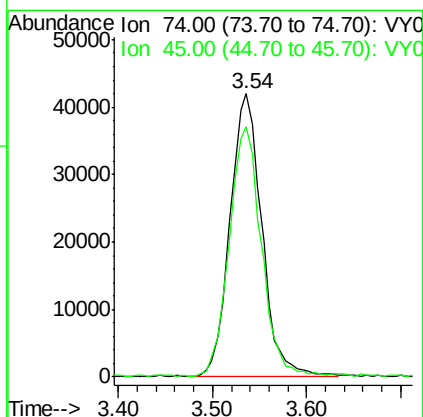
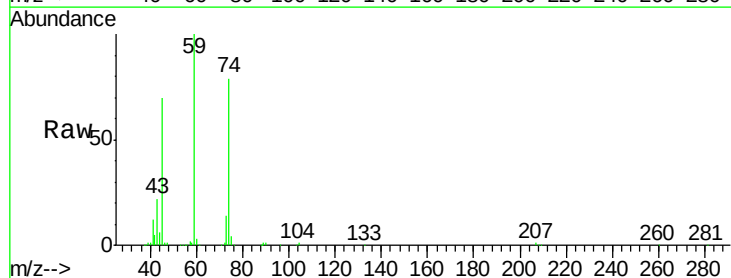
MMDadoda  
7/9/2020 10:48:56 AM



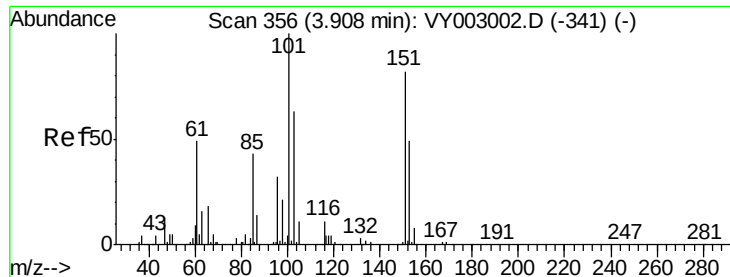
#8

Diethyl Ether  
Concen: 49.107 ug/l  
RT: 3.54 min Scan# 295  
Delta R.T. 0.00 min  
Lab File: VY003139.D  
Acq: 08 Jul 2020 16:38

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 74      | 100   | 98830 |       |       |
| 45      | 88.2  | 49.3  | 147.9 |       |







#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.751 ug/l

RT: 3.91 min Scan# 356

Delta R.T. 0.00 min

Lab File: VY003139.D

Acq: 08 Jul 2020 16:38

Instrument :

MSVOA\_Y

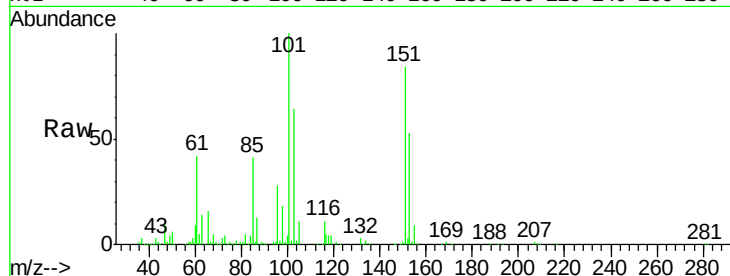
ClientSampleId :

VSTDCCC050EC

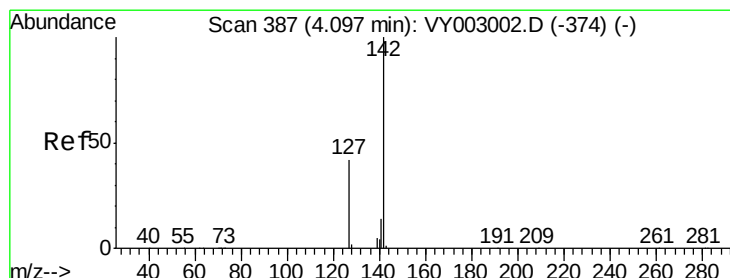
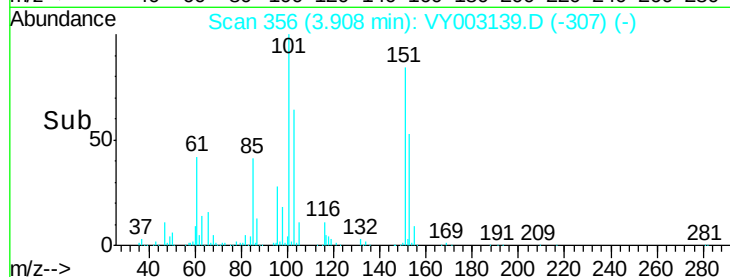
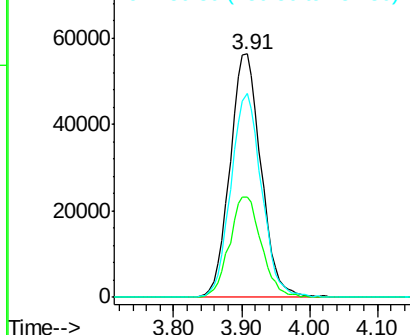
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 101   | Resp: | 177895 |
| Ion Ratio | Lower | Upper |        |
| 101       | 100   |       |        |
| 85        | 42.7  | 35.5  | 53.3   |
| 151       | 83.3  | 65.5  | 98.3   |

Manual Integrations  
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MMDadoda  
7/9/2020 10:48:56 AM



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: 40.017 ug/l

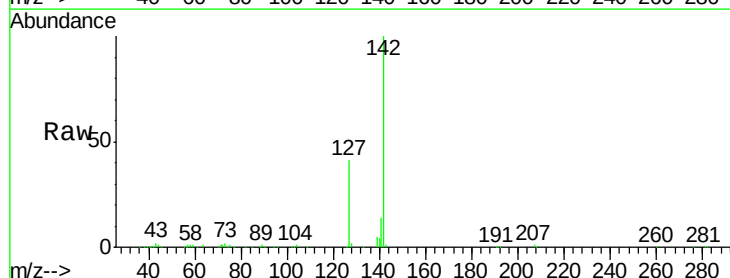
RT: 4.10 min Scan# 387

Delta R.T. 0.00 min

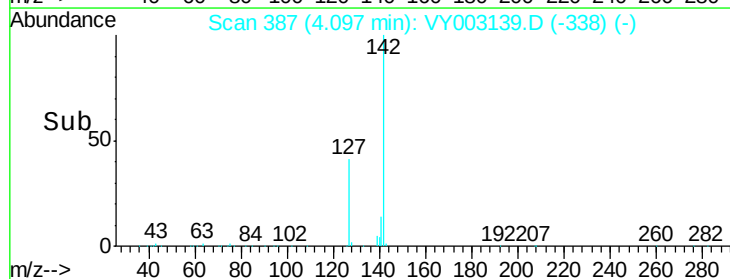
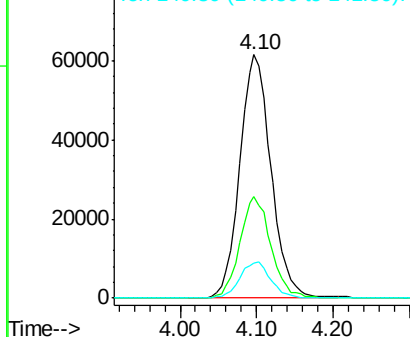
Lab File: VY003139.D

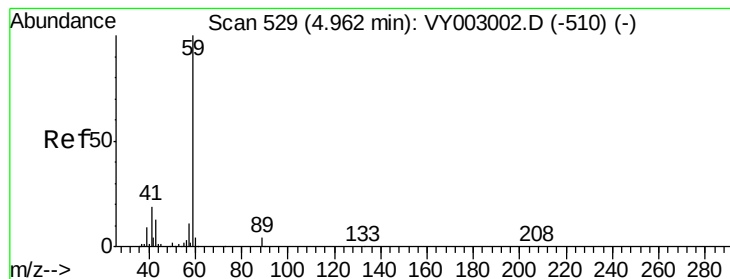
Acq: 08 Jul 2020 16:38

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 142   | Resp: | 173934 |
| Ion Ratio | Lower | Upper |        |
| 142       | 100   |       |        |
| 127       | 41.2  | 34.2  | 51.2   |
| 141       | 14.7  | 11.7  | 17.5   |



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

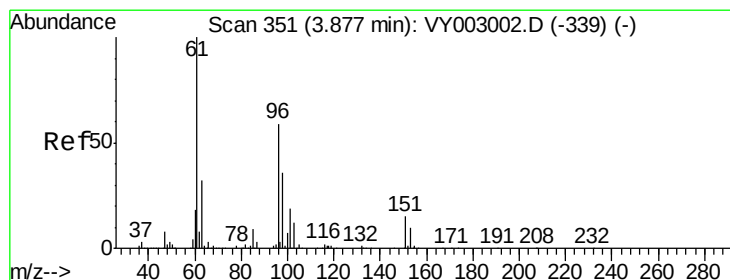
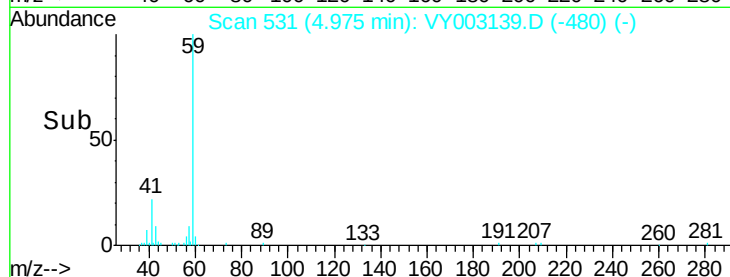
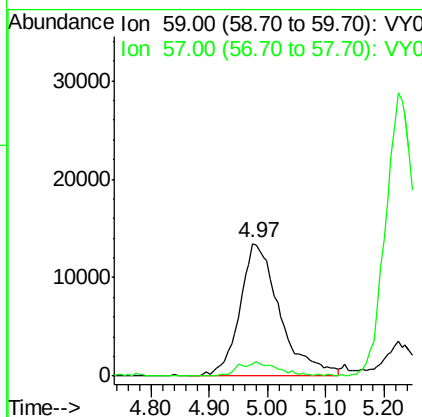
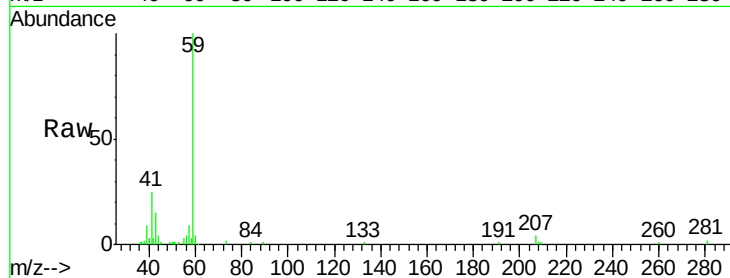
Tert butyl alcohol  
 Concen: 165.215 ug/l  
 RT: 4.97 min Scan# 531  
 Delta R.T. 0.01 min  
 Lab File: VY003139.D  
 Acq: 08 Jul 2020 16:38

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion   | 59  | Resp  | 64297 |
|-----------|-----|-------|-------|
| Ion Ratio | 100 | Lower | Upper |
| 57        | 7.1 | 8.0   | 12.0# |

Manual Integrations  
 APPROVED

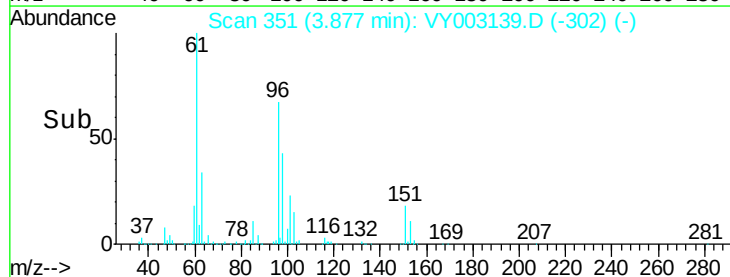
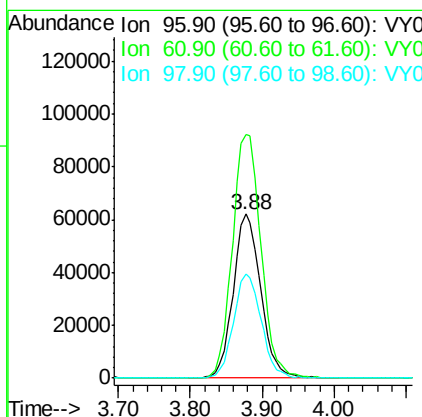
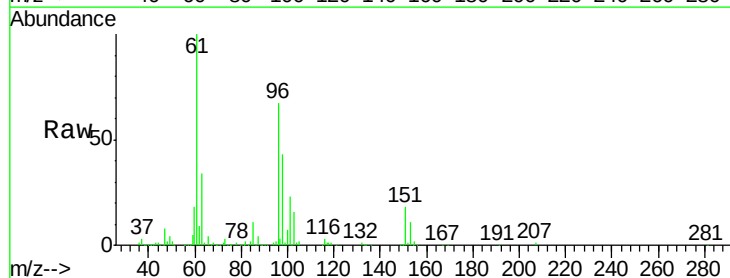
MMDadoda  
 7/9/2020 10:48:56 AM

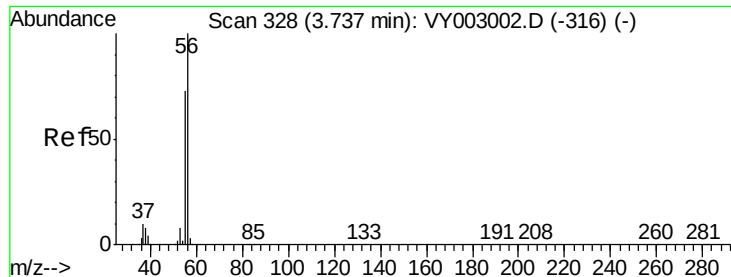


#12

1,1-Dichloroethene  
 Concen: 49.555 ug/l  
 RT: 3.88 min Scan# 351  
 Delta R.T. 0.00 min  
 Lab File: VY003139.D  
 Acq: 08 Jul 2020 16:38

| Tgt Ion   | 96    | Resp  | 165272 |
|-----------|-------|-------|--------|
| Ion Ratio | 100   | Lower | Upper  |
| 61        | 148.5 | 136.7 | 205.1  |
| 98        | 63.5  | 49.7  | 74.5   |





#13

Acrolein

Concen: 222.148 ug/l

RT: 3.74 min Scan# 328

Delta R.T. 0.00 min

Lab File: VY003139.D

Acq: 08 Jul 2020 16:38

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 77648

Ion Ratio Lower Upper

56 100

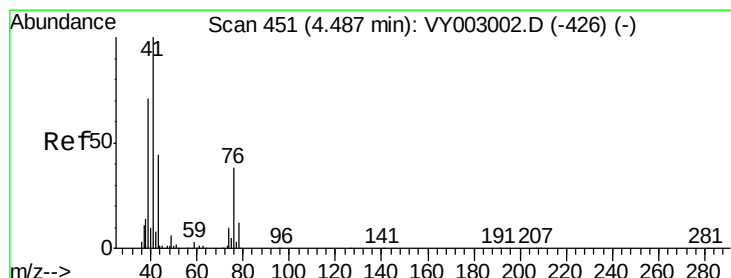
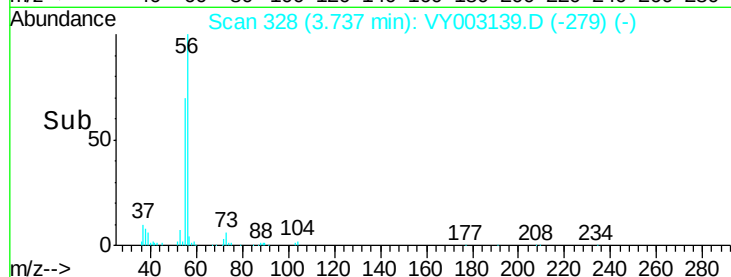
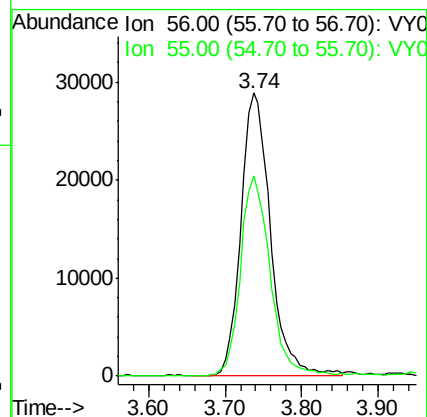
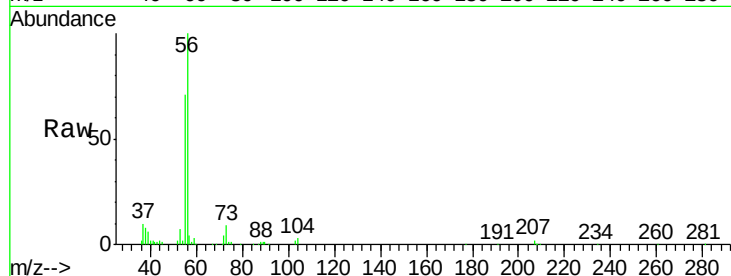
55 71.0 56.4 84.6

Manual Integrations

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MMDadoda

7/9/2020 10:48:56 AM



#14

Allyl chloride

Concen: 41.748 ug/l

RT: 4.49 min Scan# 452

Delta R.T. 0.01 min

Lab File: VY003139.D

Acq: 08 Jul 2020 16:38

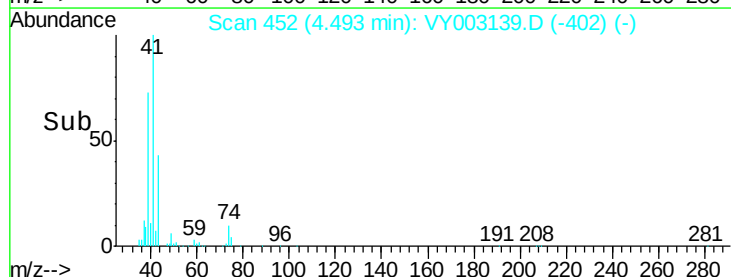
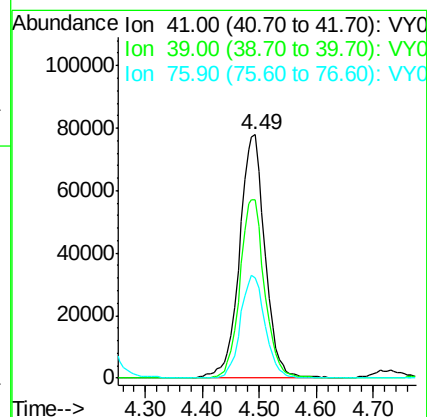
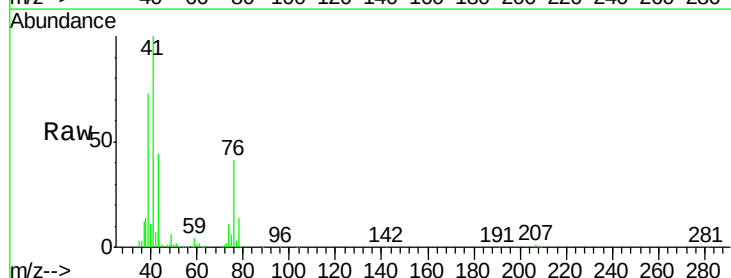
Tgt Ion: 41 Resp: 243099

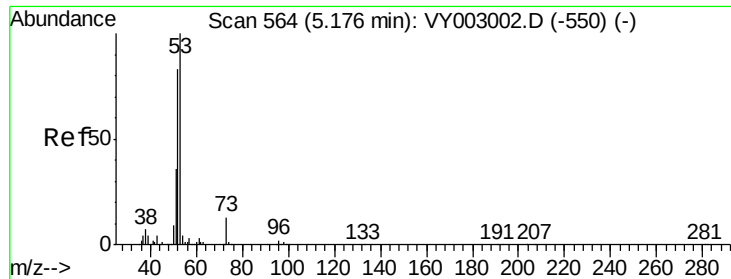
Ion Ratio Lower Upper

41 100

39 70.9 55.6 83.4

76 40.7 28.6 43.0





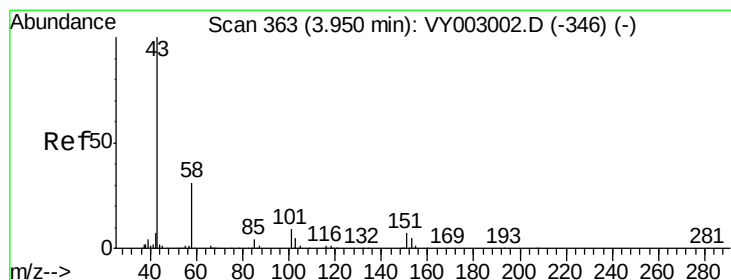
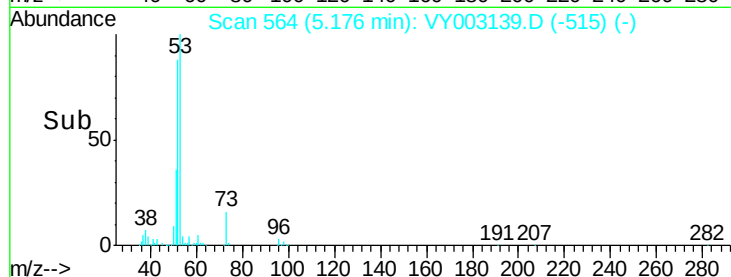
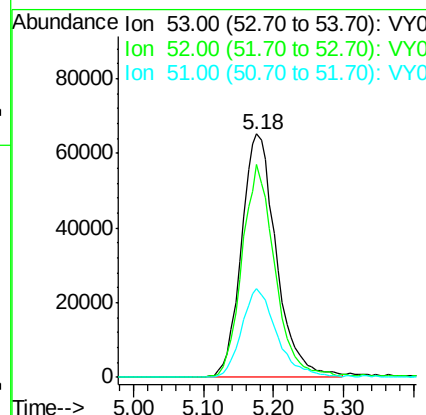
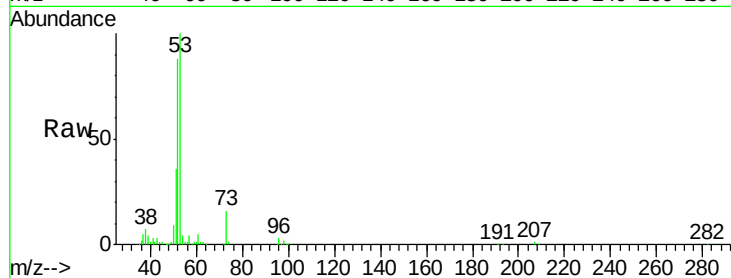
#15  
 Acrylonitrile  
 Concen: 217.939 ug/l  
 RT: 5.18 min Scan# 564  
 Delta R.T. 0.00 min  
 Lab File: VY003139.D  
 Acq: 08 Jul 2020 16:38

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050EC

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 53    | Resp: | 226049 |
| Ion      | Ratio | Lower | Upper  |
| 53       | 100   |       |        |
| 52       | 82.0  | 66.2  | 99.2   |
| 51       | 37.1  | 29.5  | 44.3   |

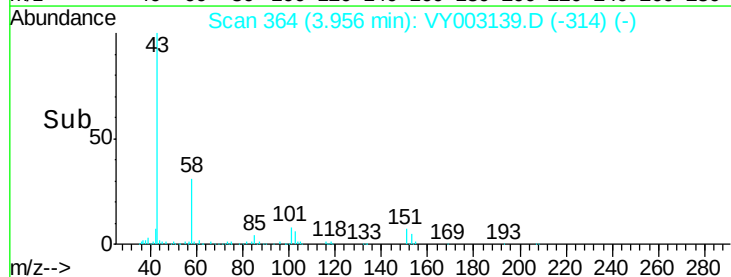
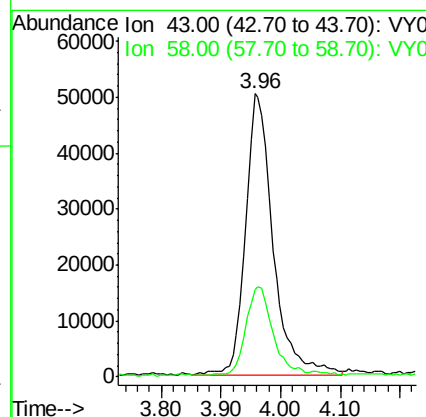
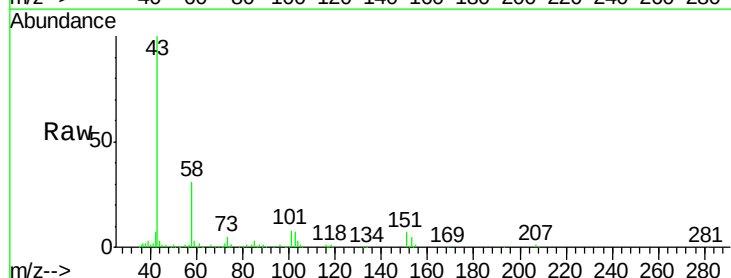
Manual Integrations  
 APPROVED

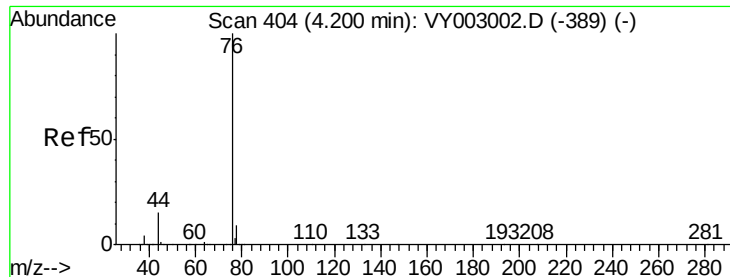
MMDadoda  
 7/9/2020 10:48:56 AM



#16  
 Acetone  
 Concen: 178.620 ug/l  
 RT: 3.96 min Scan# 364  
 Delta R.T. 0.01 min  
 Lab File: VY003139.D  
 Acq: 08 Jul 2020 16:38

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 43    | Resp: | 160872 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 58       | 30.7  | 24.7  | 37.1   |





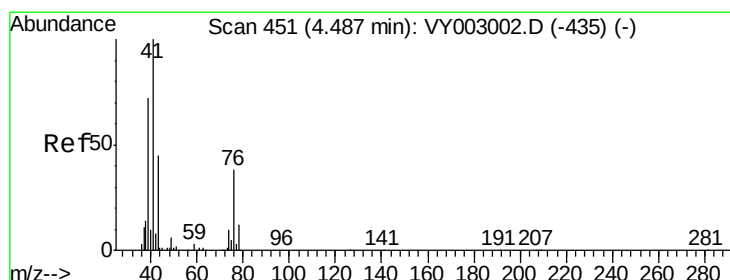
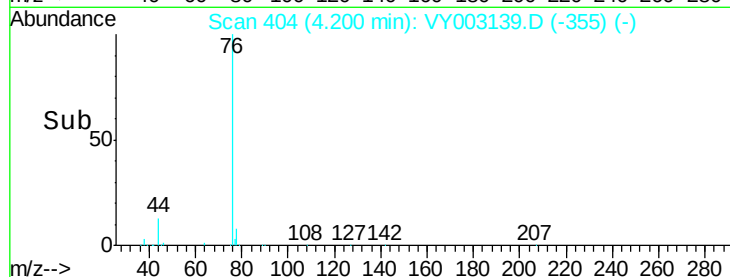
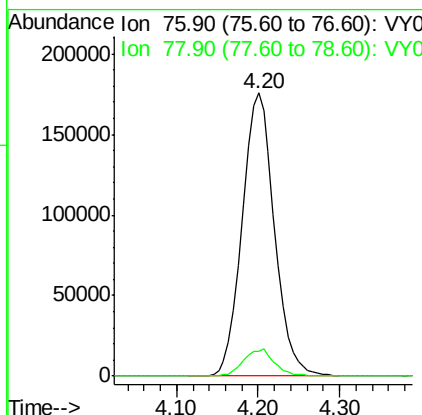
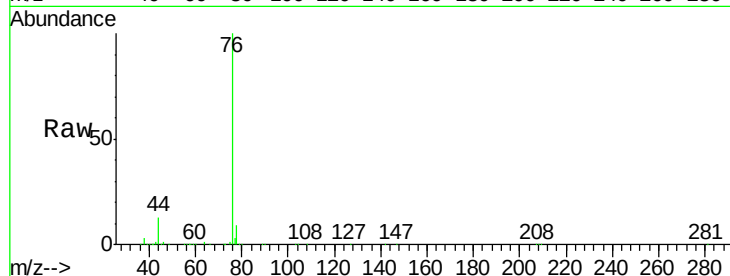
#17  
Carbon Disulfide  
Concen: 45.319 ug/l  
RT: 4.20 min Scan# 404  
Delta R.T. 0.00 min  
Lab File: VY003139.D  
Acq: 08 Jul 2020 16:38

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 8.8   | 7.0   | 10.6  |

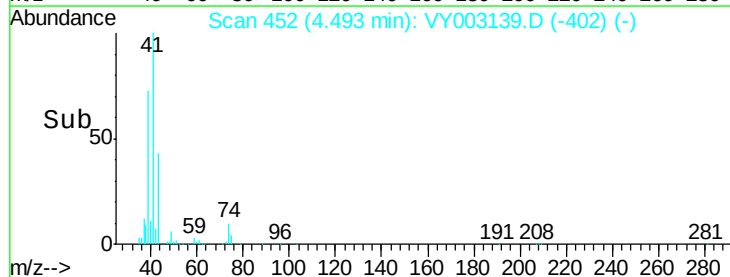
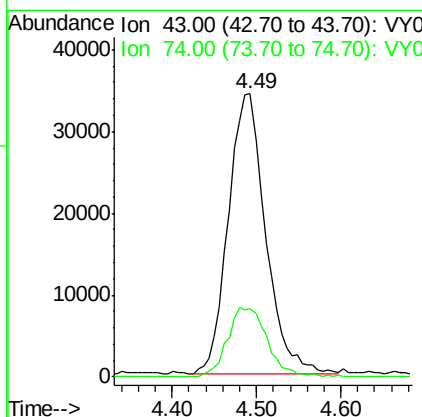
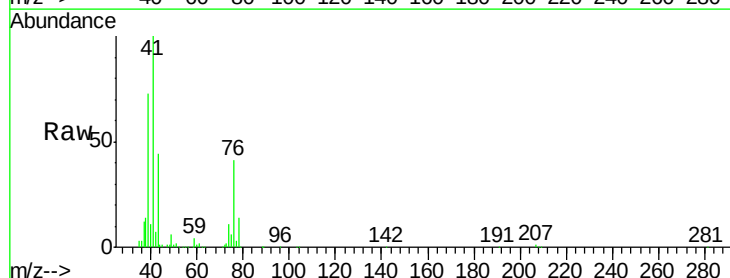
Manual Integrations  
APPROVED

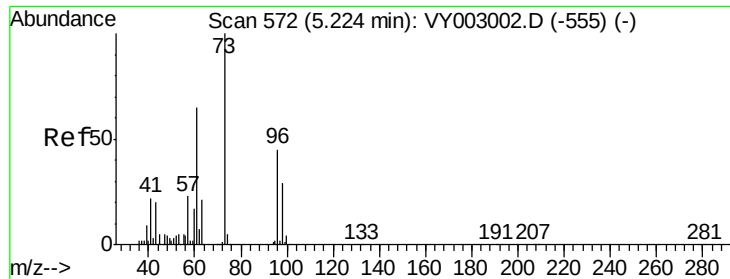
MMDadoda  
7/9/2020 10:48:56 AM



#18  
Methyl Acetate  
Concen: 42.629 ug/l  
RT: 4.49 min Scan# 452  
Delta R.T. 0.01 min  
Lab File: VY003139.D  
Acq: 08 Jul 2020 16:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 74      | 26.1  | 18.2  | 27.4  |





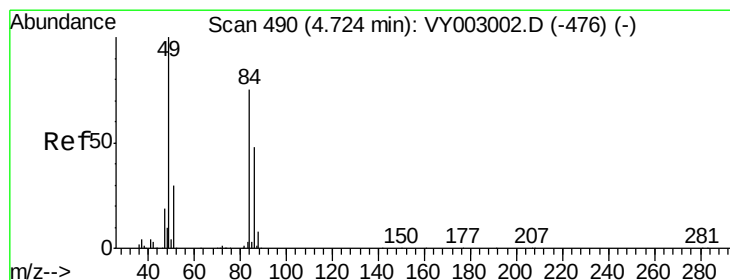
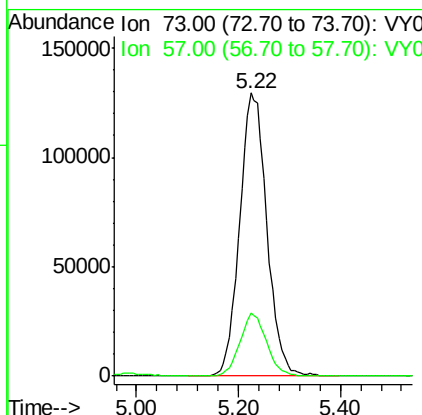
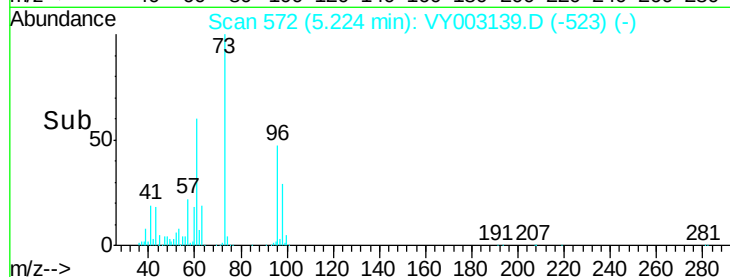
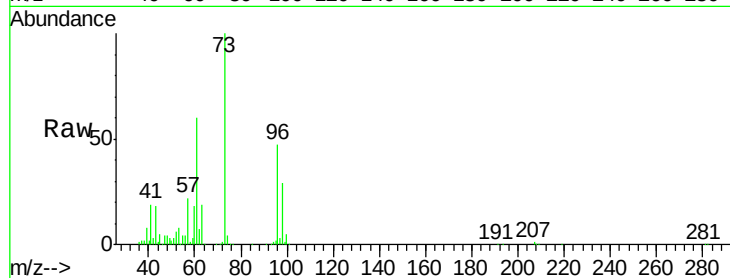
#19  
Methyl tert-butyl Ether  
Concen: 49.279 ug/l  
RT: 5.22 min Scan# 572  
Delta R.T. 0.00 min  
Lab File: VY003139.D  
Acq: 08 Jul 2020 16:38

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 73      | 100   |       |       |
| 57      | 22.2  | 18.2  | 27.2  |

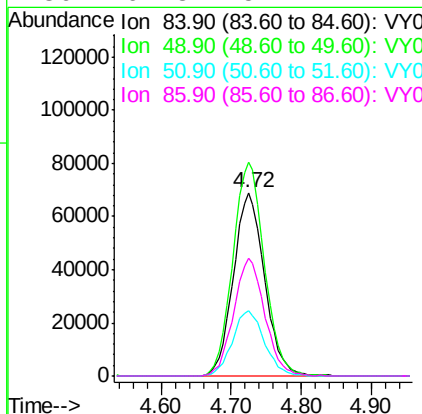
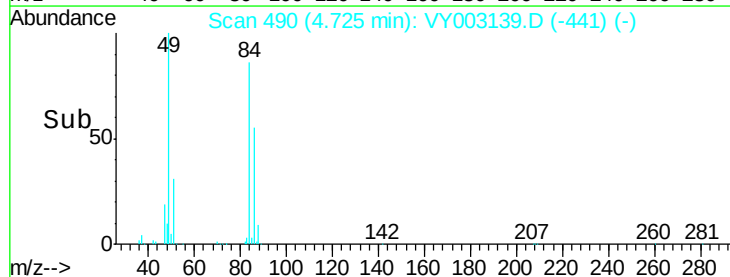
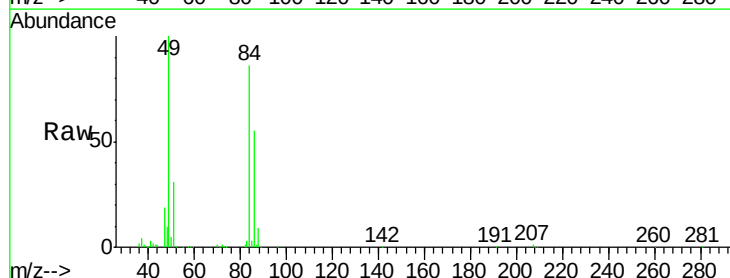
Manual Integrations  
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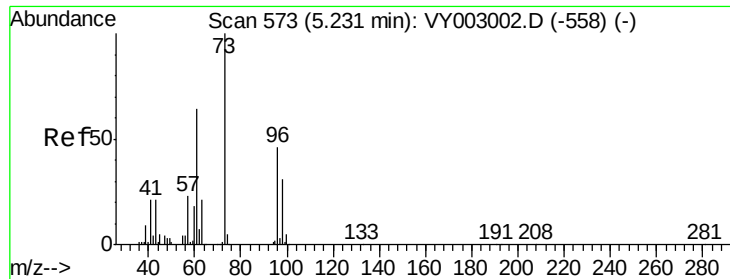
MMDadoda  
7/9/2020 10:48:56 AM



#20  
Methylene Chloride  
Concen: 53.673 ug/l  
RT: 4.72 min Scan# 490  
Delta R.T. 0.00 min  
Lab File: VY003139.D  
Acq: 08 Jul 2020 16:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 84      | 100   |       |       |
| 49      | 116.6 | 106.8 | 160.2 |
| 51      | 35.9  | 32.0  | 48.0  |
| 86      | 64.3  | 51.4  | 77.2  |





#21

trans-1,2-Dichloroethene

Concen: 50.057 ug/l

RT: 5.22 min Scan# 572

Delta R.T. -0.01 min

Lab File: VY003139.D

Acq: 08 Jul 2020 16:38

Instrument :

MSVOA\_Y

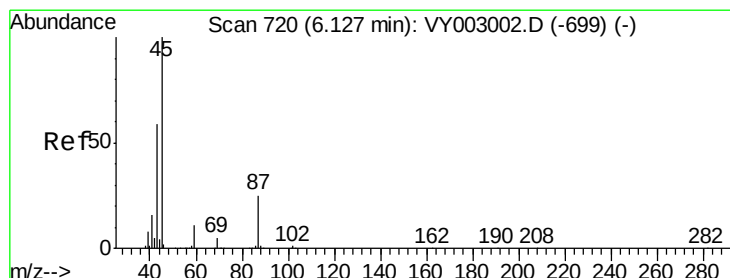
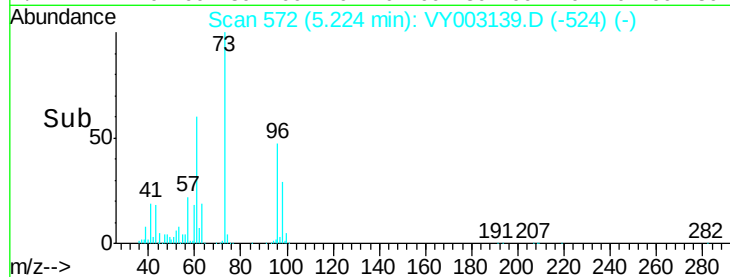
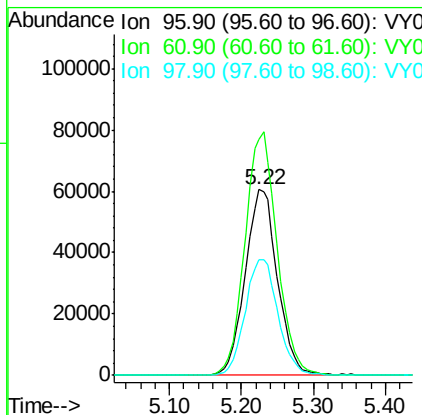
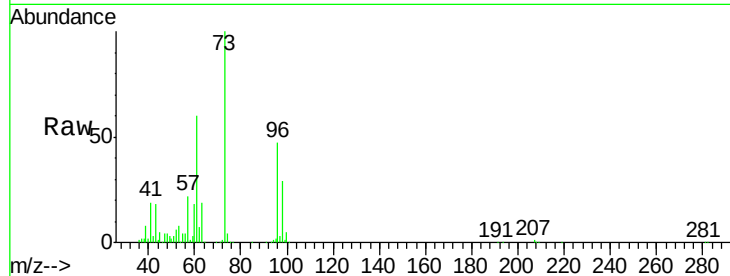
ClientSampleId :

VSTDCCC050EC

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 96    | Resp: | 188841 |
| Ion      | Ratio | Lower | Upper  |
| 96       | 100   |       |        |
| 61       | 127.4 | 112.3 | 168.5  |
| 98       | 62.3  | 53.8  | 80.8   |

Manual Integrations  
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MMDadoda  
7/9/2020 10:48:56 AM



#22

Diisopropyl ether

Concen: 44.944 ug/l

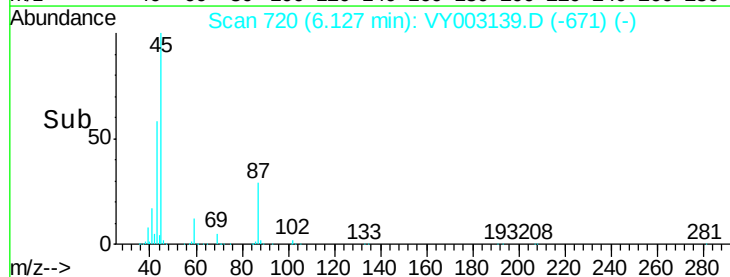
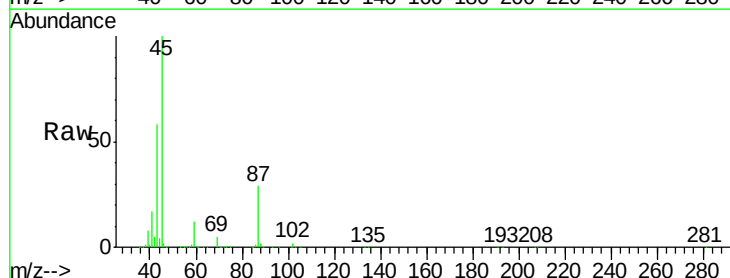
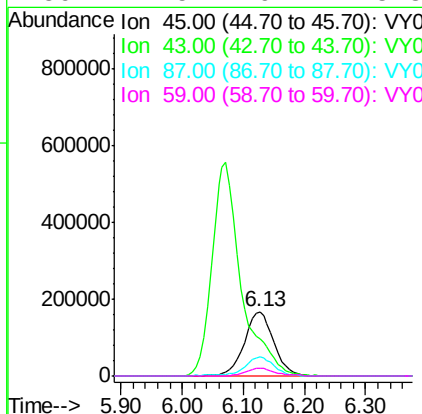
RT: 6.13 min Scan# 720

Delta R.T. 0.00 min

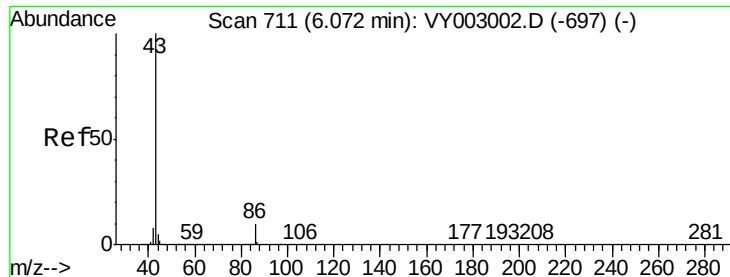
Lab File: VY003139.D

Acq: 08 Jul 2020 16:38

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 45    | Resp: | 560922 |
| Ion      | Ratio | Lower | Upper  |
| 45       | 100   |       |        |
| 43       | 57.7  | 47.4  | 71.2   |
| 87       | 29.2  | 20.2  | 30.2   |
| 59       | 11.5  | 9.2   | 13.8   |







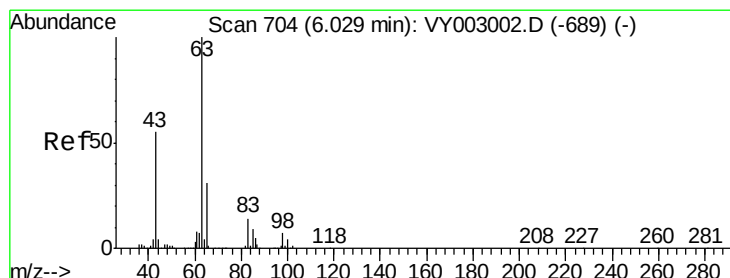
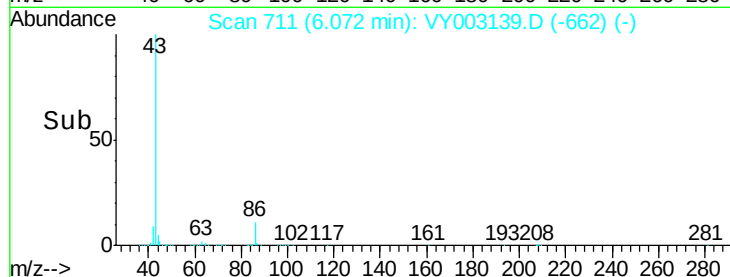
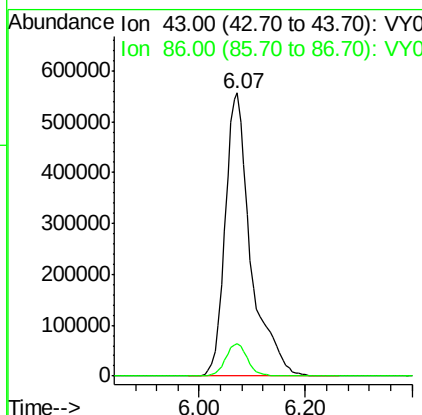
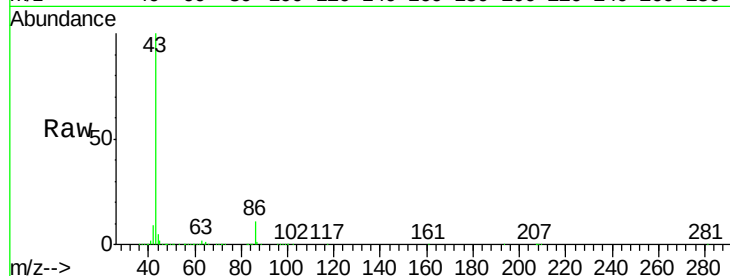
#23  
 Vinyl Acetate  
 Concen: 224.013 ug/l  
 RT: 6.07 min Scan# 711  
 Delta R.T. 0.00 min  
 Lab File: VY003139.D  
 Acq: 08 Jul 2020 16:38

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050EC

Tot Ion: 43 Resp: 1869177  
 Ion Ratio Lower Upper  
 43 100  
 86 11.3 8.1 12.1

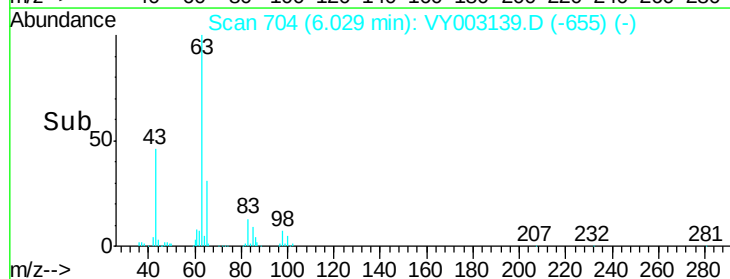
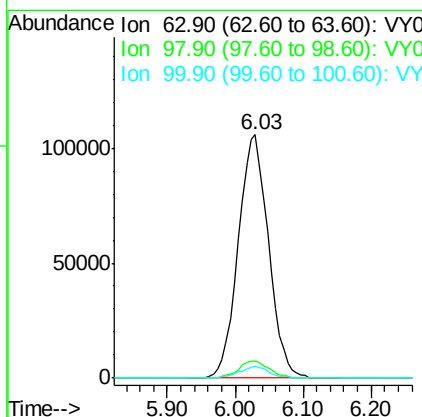
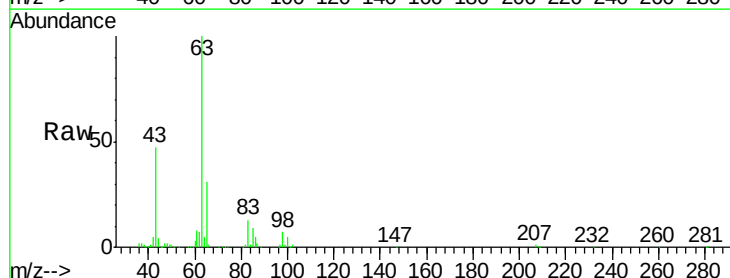
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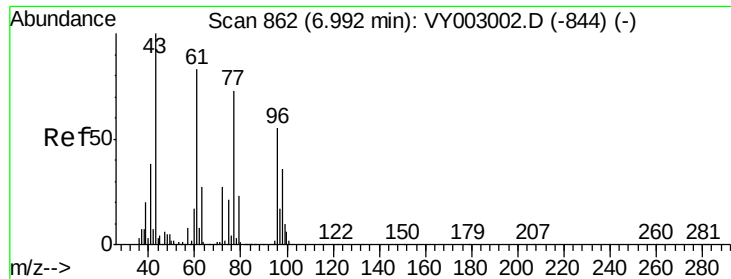
MMDadoda  
 7/9/2020 10:48:56 AM



#24  
 1,1-Dichloroethane  
 Concen: 48.030 ug/l  
 RT: 6.03 min Scan# 704  
 Delta R.T. 0.00 min  
 Lab File: VY003139.D  
 Acq: 08 Jul 2020 16:38

Tgt Ion: 63 Resp: 327448  
 Ion Ratio Lower Upper  
 63 100  
 98 7.0 3.4 10.1  
 100 4.8 2.3 6.8





#25

2-Butanone

Concen: 193.299 ug/l

RT: 7.00 min Scan# 863

Delta R.T. 0.01 min

Lab File: VY003139.D

Acq: 08 Jul 2020 16:38

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 276546

Ion Ratio Lower Upper

43 100

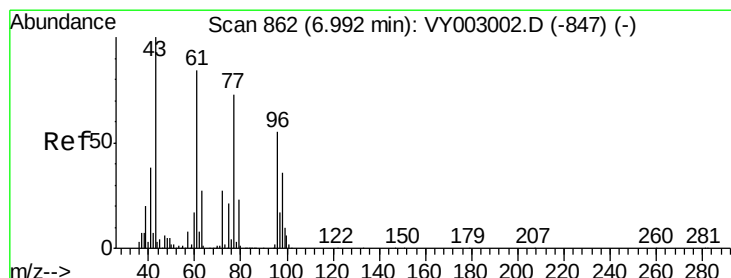
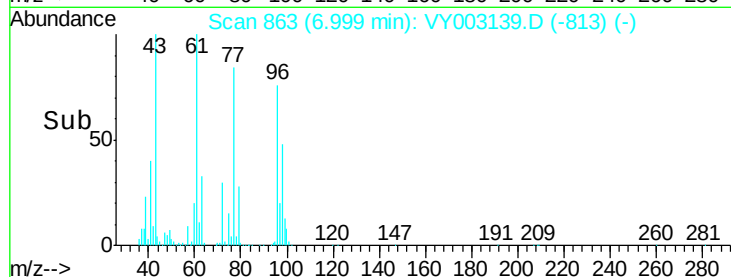
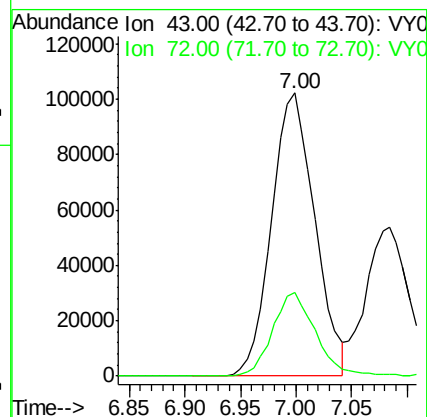
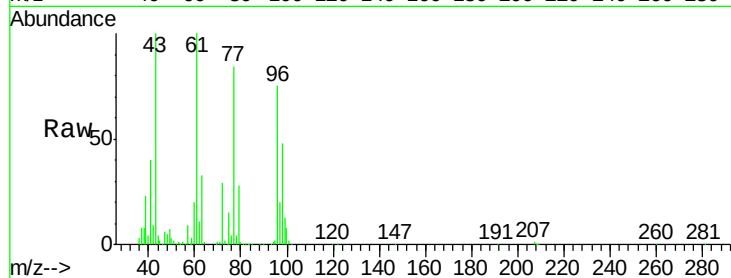
72 29.5 21.4 32.0

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#26

2,2-Dichloropropane

Concen: 46.952 ug/l

RT: 6.99 min Scan# 861

Delta R.T. -0.01 min

Lab File: VY003139.D

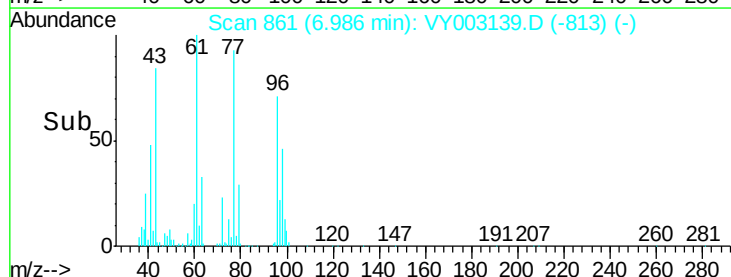
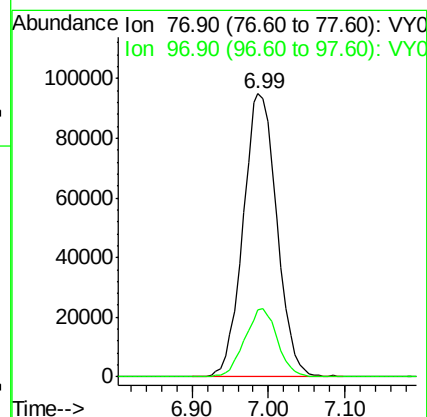
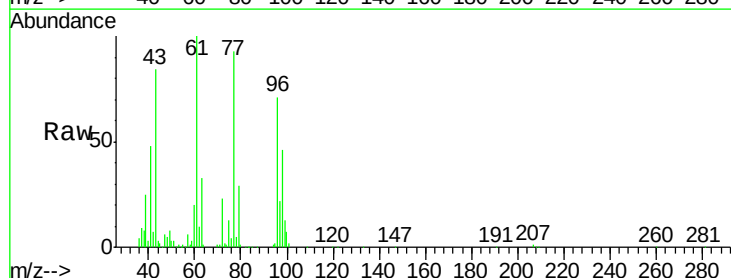
Acq: 08 Jul 2020 16:38

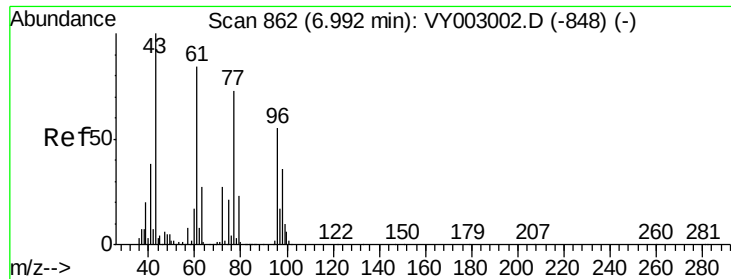
Tgt Ion: 77 Resp: 290826

Ion Ratio Lower Upper

77 100

97 23.3 11.3 33.9





#27

cis-1,2-Dichloroethene

Concen: 50.365 ug/l

RT: 6.99 min Scan# 862

Delta R.T. 0.00 min

Lab File: VY003139.D

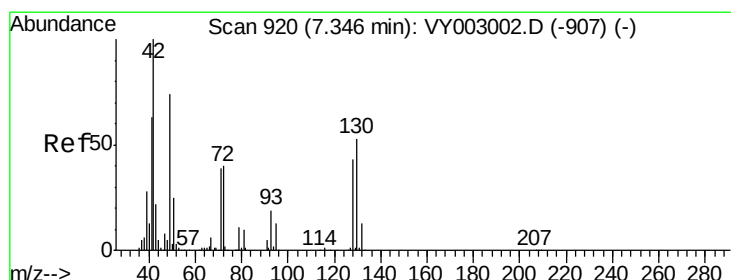
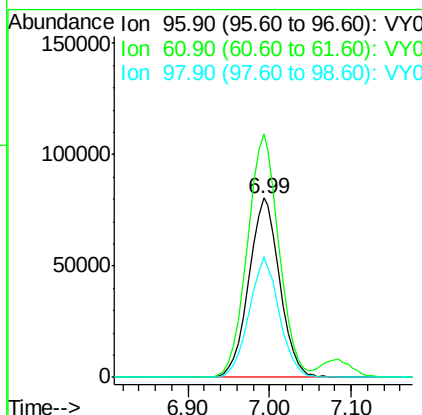
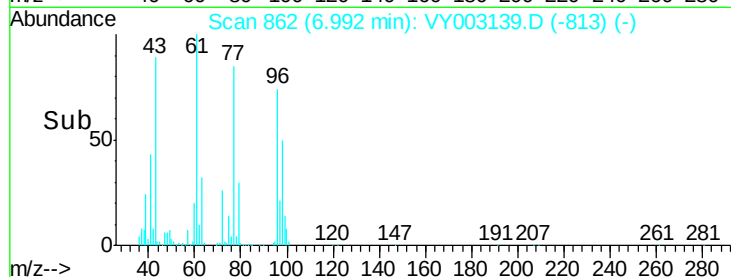
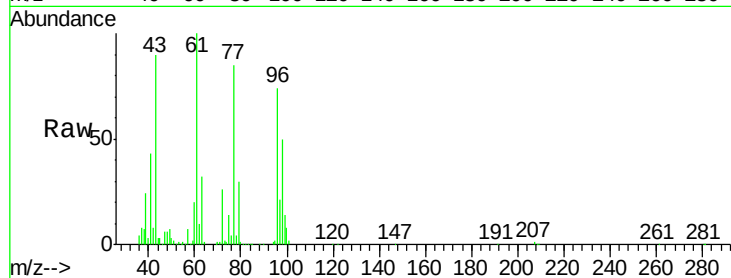
Acq: 08 Jul 2020 16:38

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 138.2 | 0.0   | 301.2 |
| 98      | 65.4  | 0.0   | 129.0 |

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#28

Bromochloromethane

Concen: 49.871 ug/l

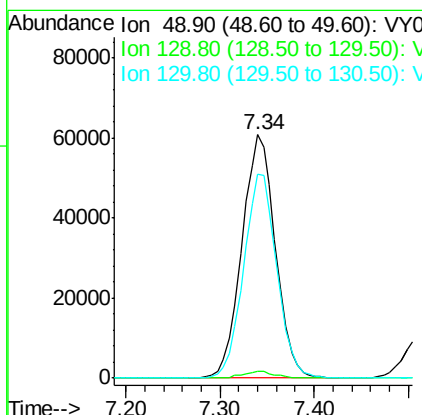
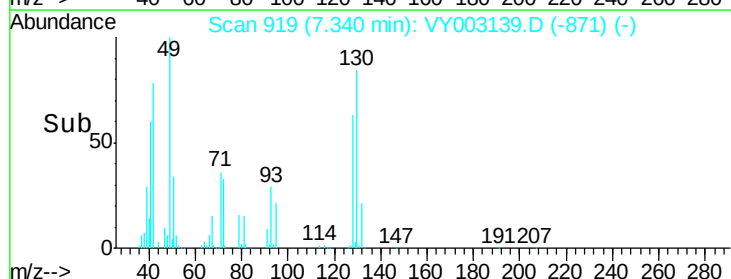
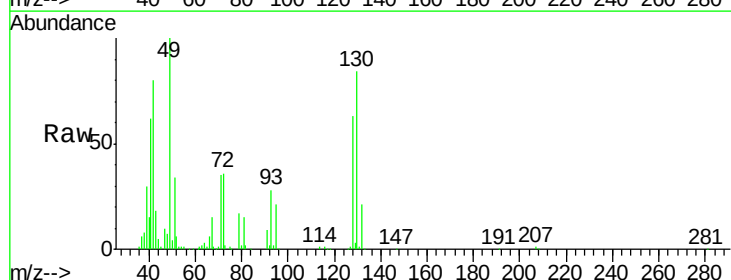
RT: 7.34 min Scan# 919

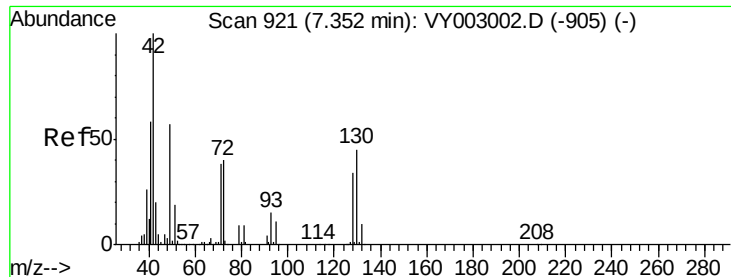
Delta R.T. -0.01 min

Lab File: VY003139.D

Acq: 08 Jul 2020 16:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 49      | 100   |       |       |
| 129     | 2.7   | 0.0   | 4.4   |
| 130     | 83.4  | 57.0  | 85.6  |





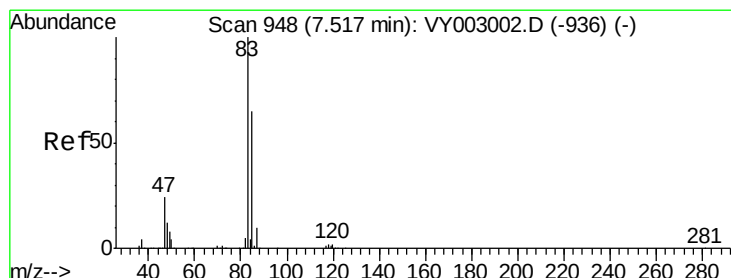
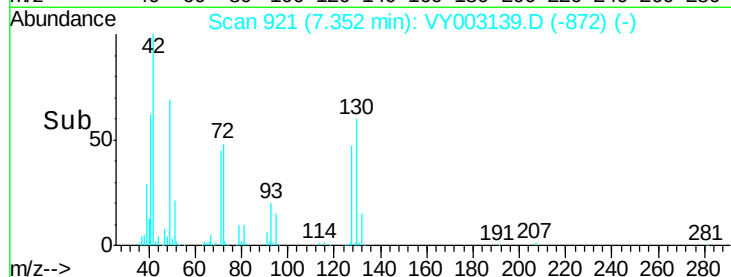
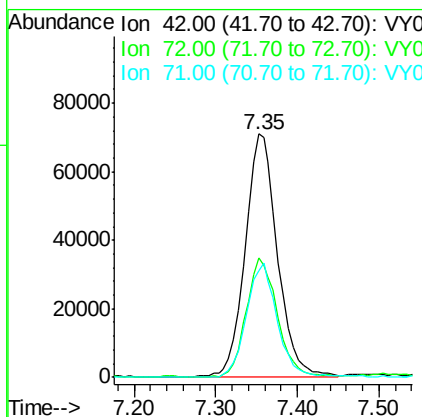
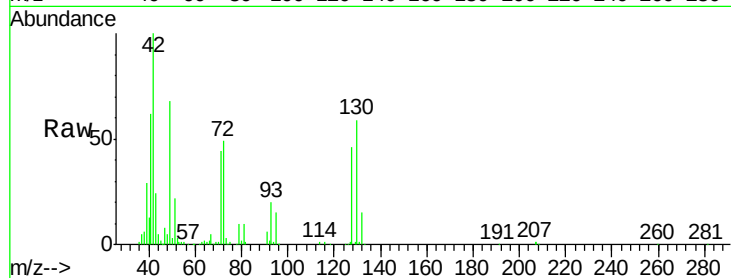
#29  
Tetrahydrofuran  
Concen: 204.480 ug/l  
RT: 7.35 min Scan# 921  
Delta R.T. 0.00 min  
Lab File: VY003139.D  
Acq: 08 Jul 2020 16:38

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 47.4  | 32.9  | 49.3  |
| 71      | 45.6  | 31.2  | 46.8  |

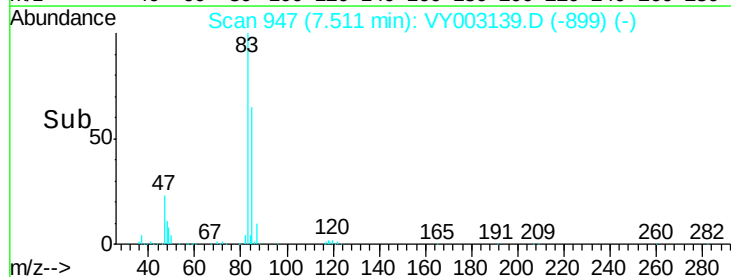
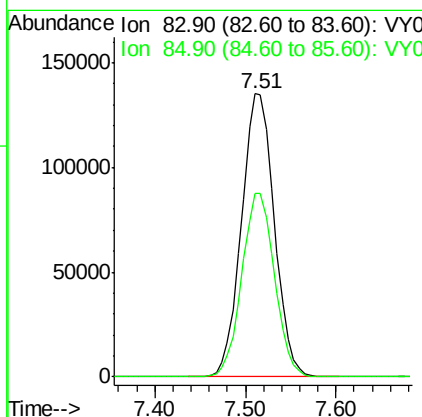
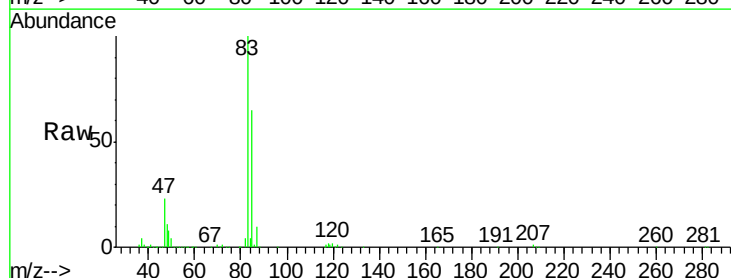
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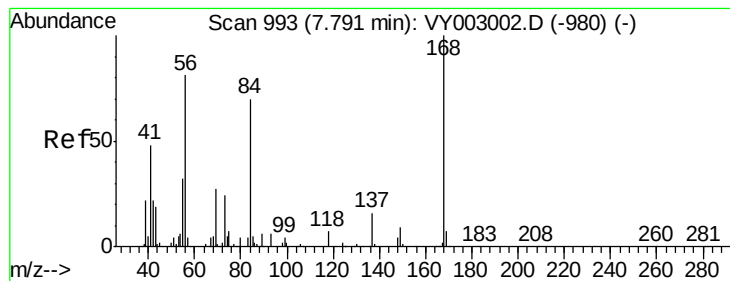
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#30  
Chloroform  
Concen: 50.142 ug/l  
RT: 7.51 min Scan# 947  
Delta R.T. -0.01 min  
Lab File: VY003139.D  
Acq: 08 Jul 2020 16:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 64.9  | 51.7  | 77.5  |





#31

Cyclohexane

Concen: 41.981 ug/l

RT: 7.79 min Scan# 993

Delta R.T. 0.00 min

Lab File: VY003139.D

Acq: 08 Jul 2020 16:38

Instrument :

MSVOA\_Y

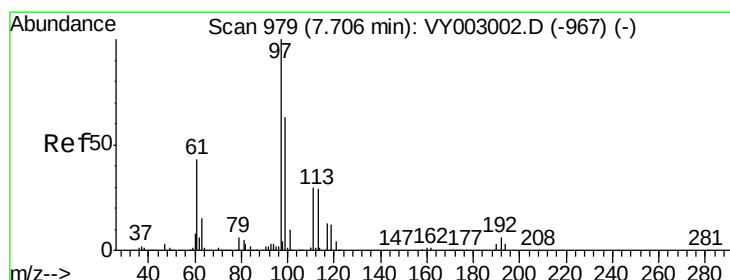
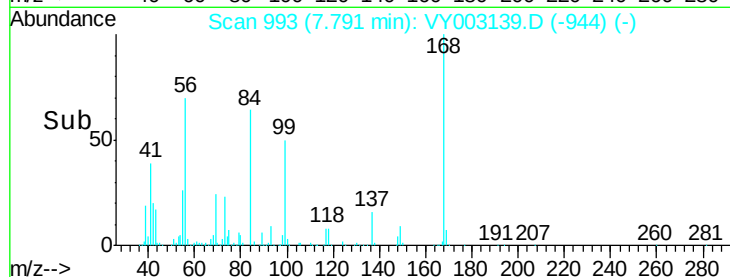
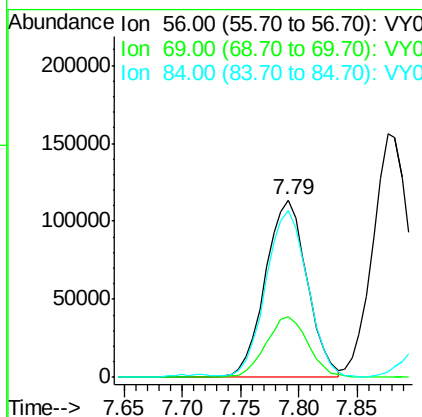
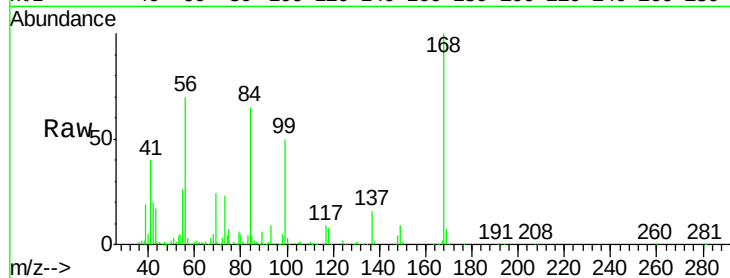
ClientSampleId :

VSTDCCC050EC

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 56    | Resp: | 281956 |
| Ion      | Ratio | Lower | Upper  |
| 56       | 100   |       |        |
| 69       | 34.1  | 27.0  | 40.4   |
| 84       | 92.5  | 68.1  | 102.1  |

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#32

1,1,1-Trichloroethane

Concen: 49.253 ug/l

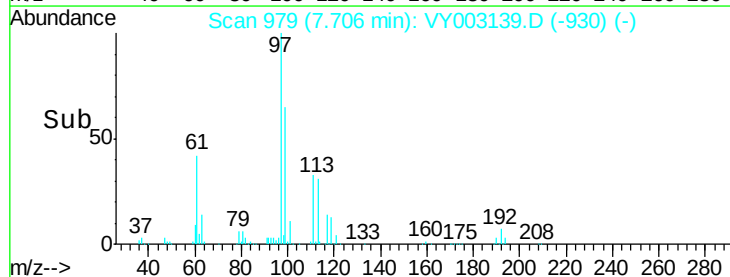
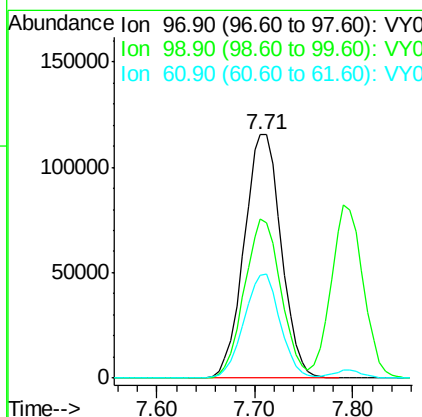
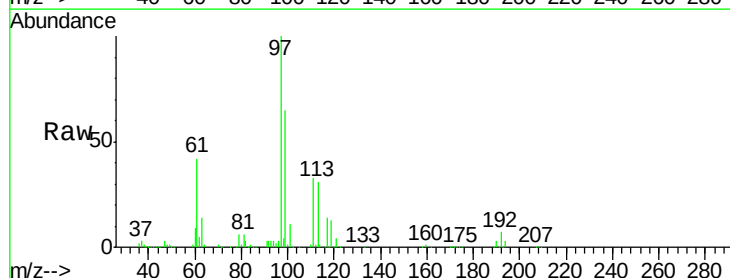
RT: 7.71 min Scan# 979

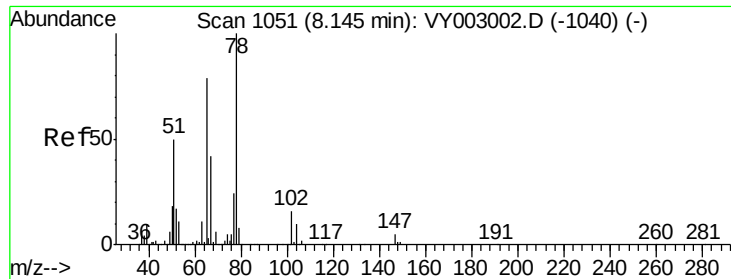
Delta R.T. 0.00 min

Lab File: VY003139.D

Acq: 08 Jul 2020 16:38

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 97    | Resp: | 303647 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 99       | 64.7  | 51.4  | 77.2   |
| 61       | 41.7  | 33.9  | 50.9   |





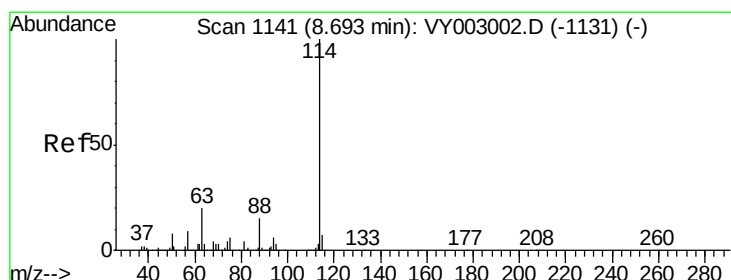
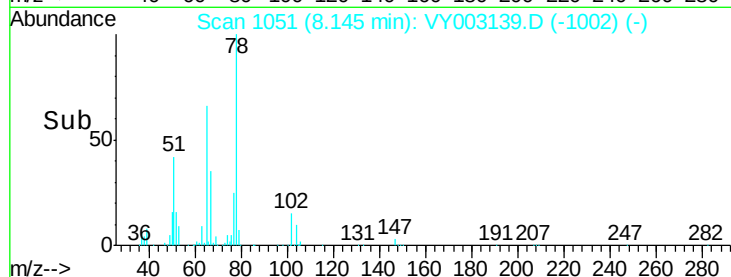
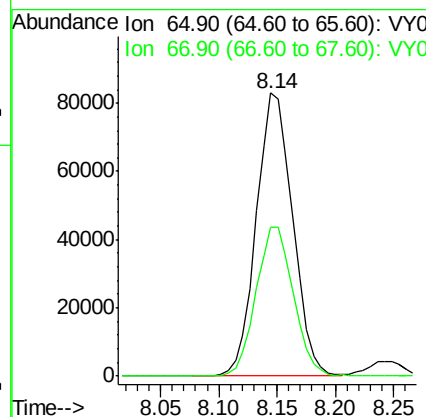
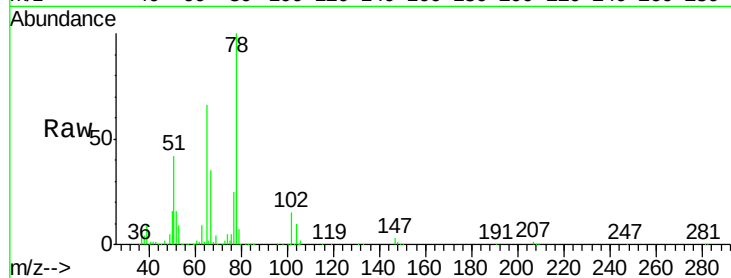
#33  
 1,2-Dichloroethane-d4  
 Concen: 47.166 ug/l  
 RT: 8.14 min Scan# 1051  
 Delta R.T. 0.00 min  
 Lab File: VY003139.D  
 Acq: 08 Jul 2020 16:38

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 65      | 100   | 180112 |       |       |
| 67      | 54.2  | 0.0    | 105.6 |       |

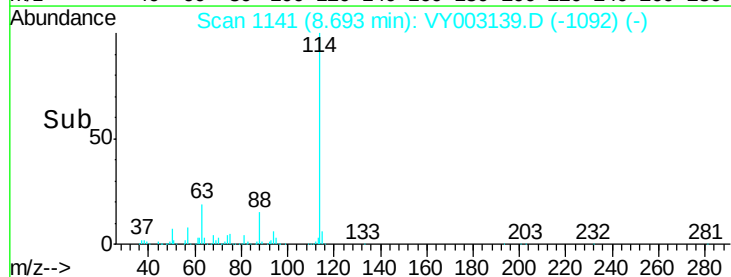
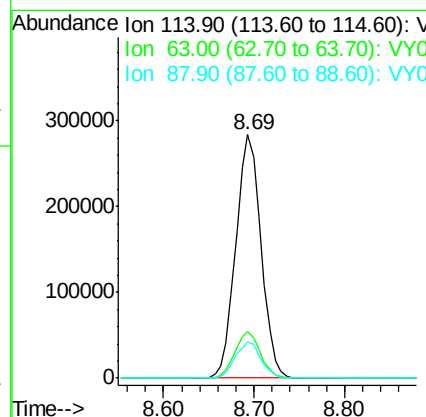
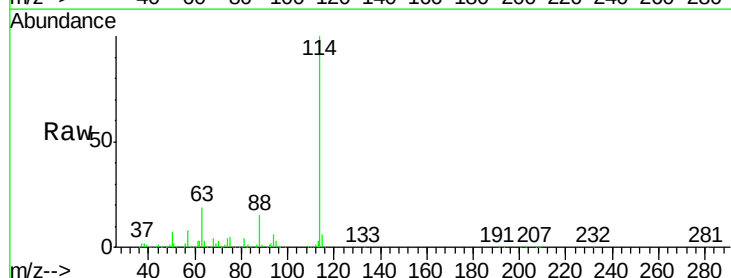
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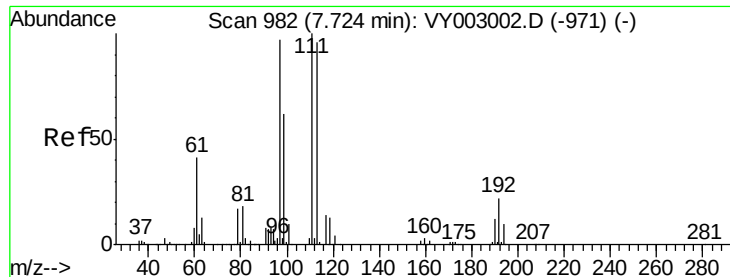
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#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.69 min Scan# 1141  
 Delta R.T. 0.00 min  
 Lab File: VY003139.D  
 Acq: 08 Jul 2020 16:38

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 114     | 100   | 547134 |       |       |
| 63      | 19.3  | 0.0    | 40.6  |       |
| 88      | 14.9  | 0.0    | 30.0  |       |





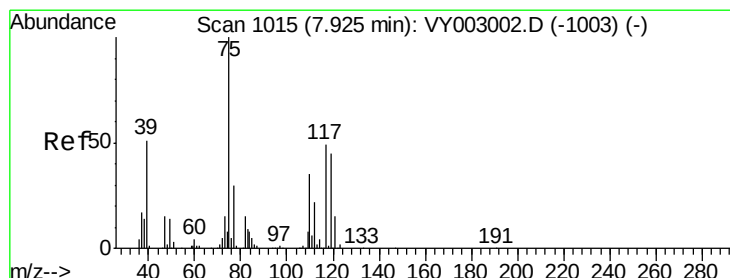
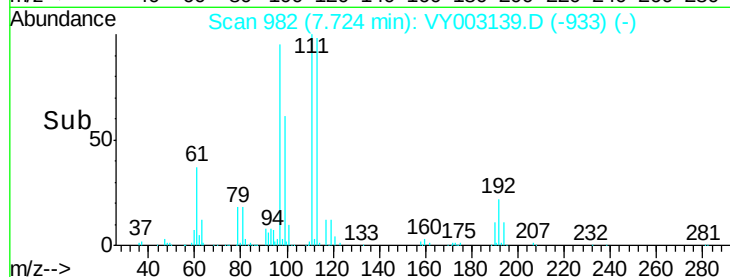
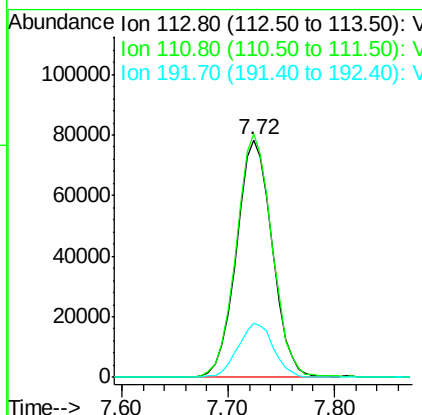
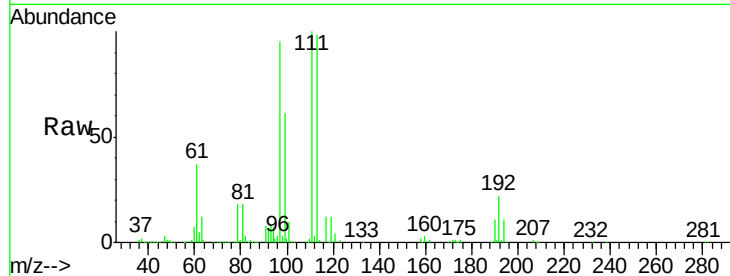
#35  
 Dibromofluoromethane  
 Concen: 54.317 ug/l  
 RT: 7.72 min Scan# 982  
 Delta R.T. 0.00 min  
 Lab File: VY003139.D  
 Acq: 08 Jul 2020 16:38

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 113     | 100   | 185389 |       |       |
| 111     | 102.5 | 82.6   | 123.8 |       |
| 192     | 22.6  | 18.1   | 27.1  |       |

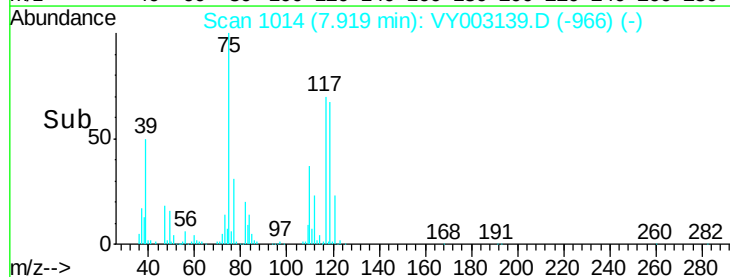
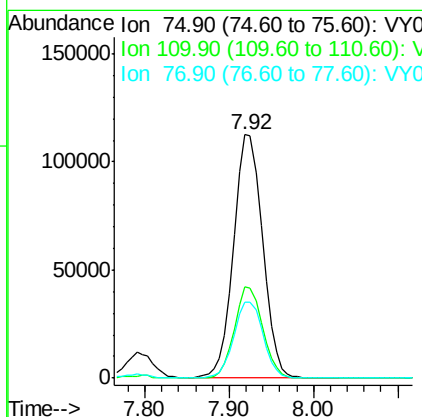
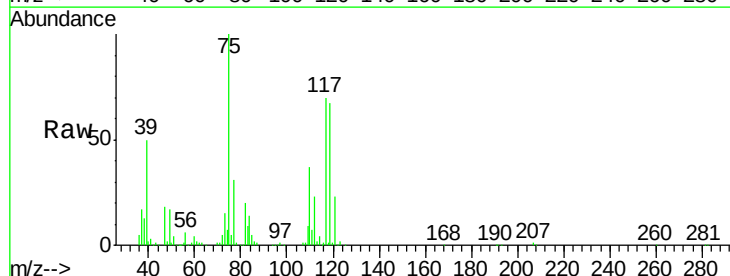
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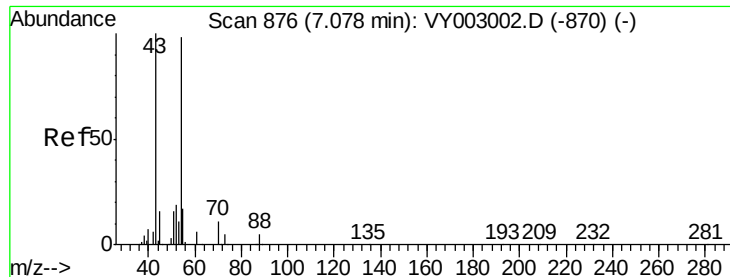
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#36  
 1,1-Dichloropropene  
 Concen: 49.808 ug/l  
 RT: 7.92 min Scan# 1014  
 Delta R.T. -0.01 min  
 Lab File: VY003139.D  
 Acq: 08 Jul 2020 16:38

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 75      | 100   | 262499 |       |       |
| 110     | 36.2  | 17.1   | 51.2  |       |
| 77      | 31.5  | 24.9   | 37.3  |       |





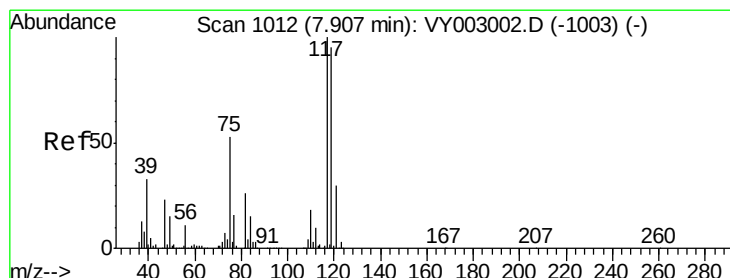
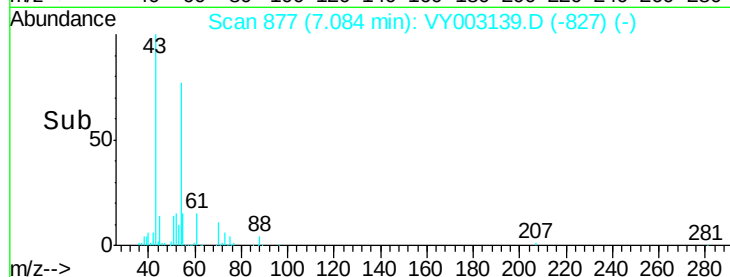
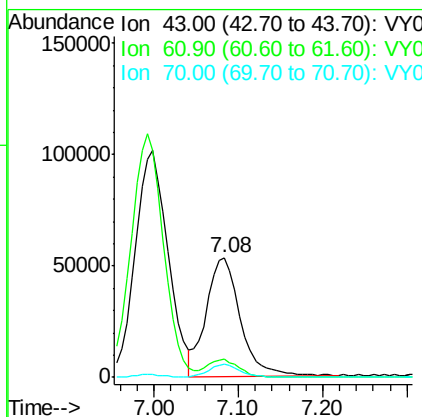
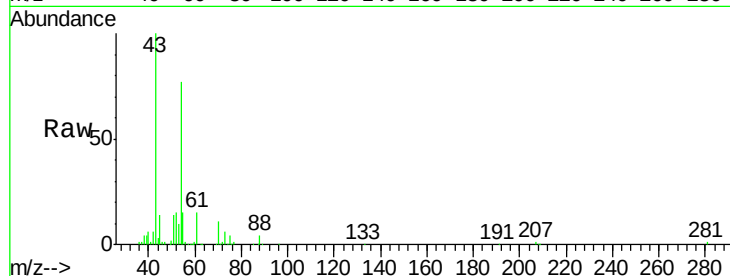
#37  
Ethyl Acetate  
Concen: 47.438 ug/l  
RT: 7.08 min Scan# 877  
Delta R.T. 0.01 min  
Lab File: VY003139.D  
Acq: 08 Jul 2020 16:38

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 14.1  | 10.4  | 15.6  |
| 70      | 10.3  | 7.7   | 11.5  |

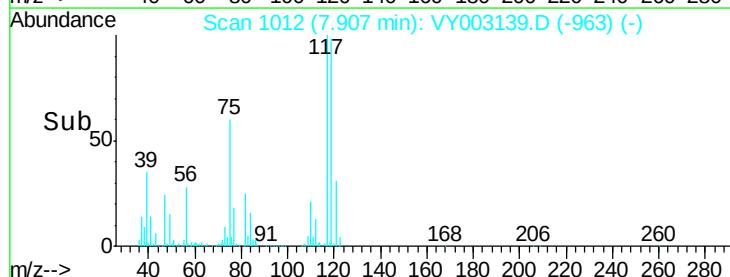
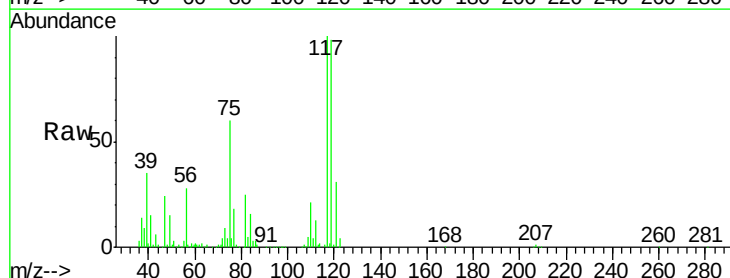
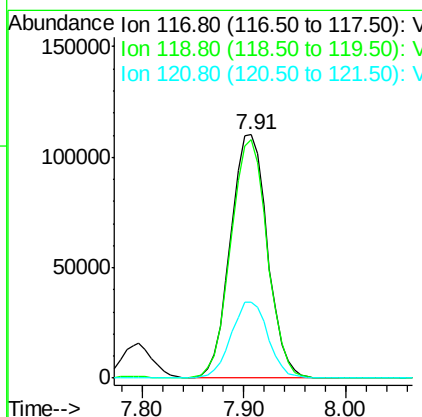
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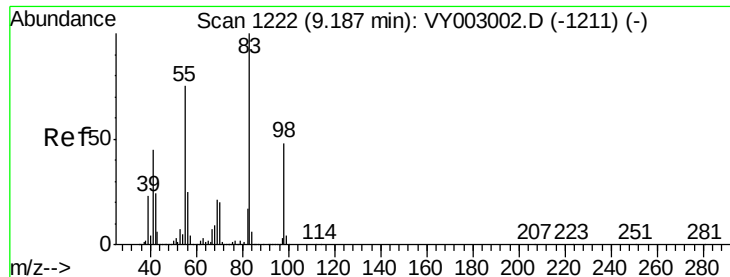


#38  
Carbon Tetrachloride  
Concen: 50.537 ug/l  
RT: 7.91 min Scan# 1012  
Delta R.T. 0.00 min  
Lab File: VY003139.D  
Acq: 08 Jul 2020 16:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 97.9  | 75.7  | 113.5 |
| 121     | 30.9  | 23.9  | 35.9  |







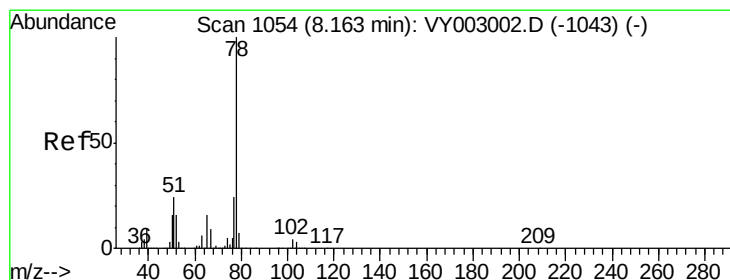
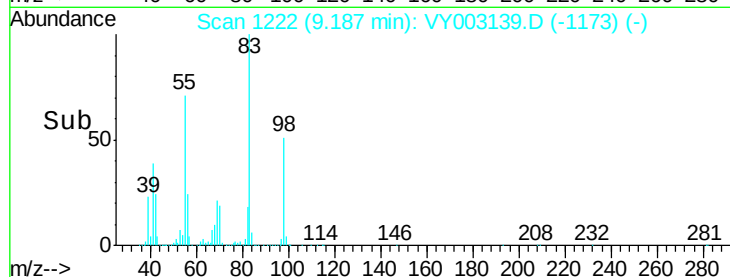
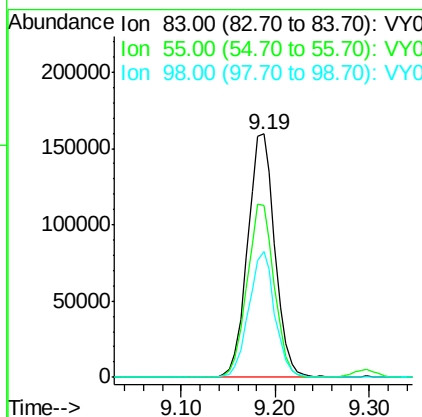
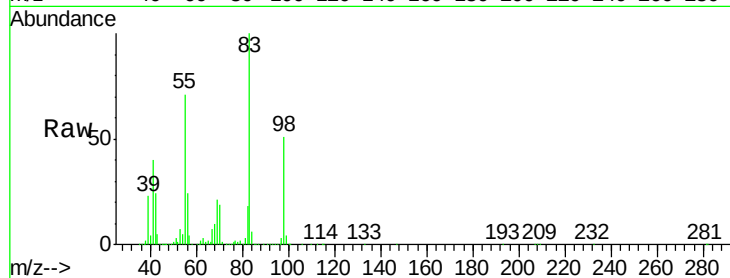
#39  
Methylvlcyclohexane  
Concen: 49.577 ug/l  
RT: 9.19 min Scan# 1222  
Delta R.T. 0.00 min  
Lab File: VY003139.D  
Acq: 08 Jul 2020 16:38

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | 83    | Resp  | 323951 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 83      | 100   |       |        |
| 55      | 70.8  | 59.9  | 89.9   |
| 98      | 51.4  | 38.7  | 58.1   |

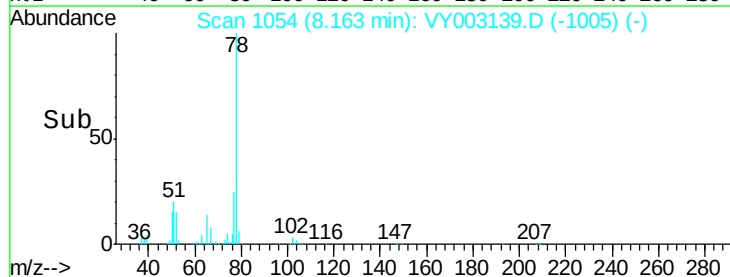
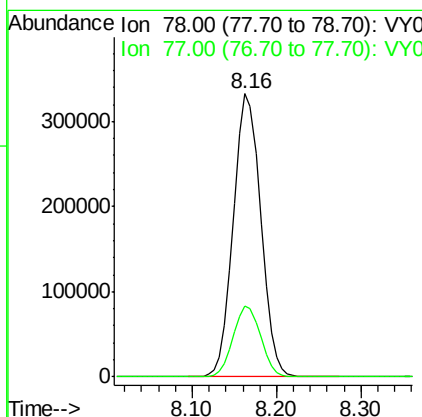
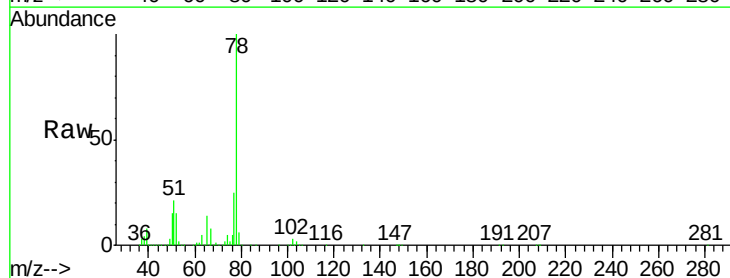
Manual Integrations  
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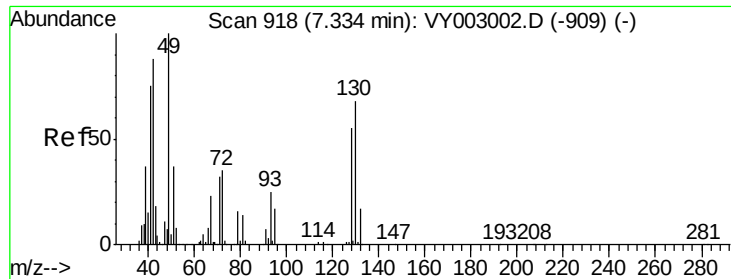
MMDadoda  
7/9/2020 10:48:56 AM



#40  
Benzene  
Concen: 50.750 ug/l  
RT: 8.16 min Scan# 1054  
Delta R.T. 0.00 min  
Lab File: VY003139.D  
Acq: 08 Jul 2020 16:38

| Tgt Ion | 78    | Resp  | 732242 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 78      | 100   |       |        |
| 77      | 25.0  | 19.2  | 28.8   |





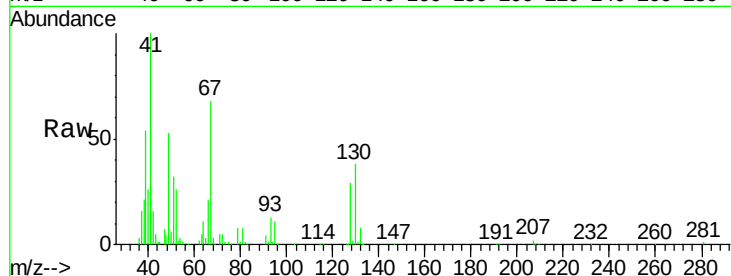
#41  
Methacrylonitrile  
Concen: 41.109 ug/l m  
RT: 7.32 min Scan# 915  
Delta R.T. -0.02 min  
Lab File: VY003139.D  
Acq: 08 Jul 2020 16:38

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

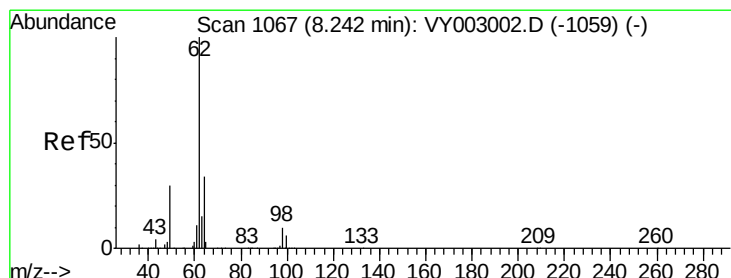
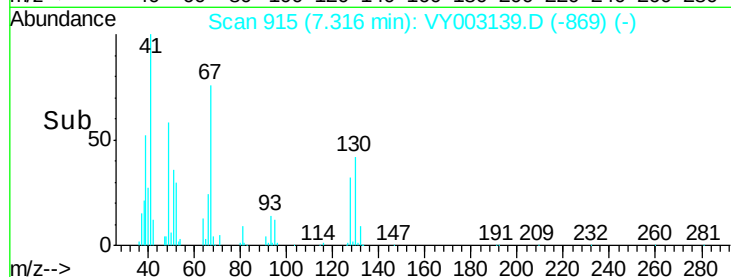
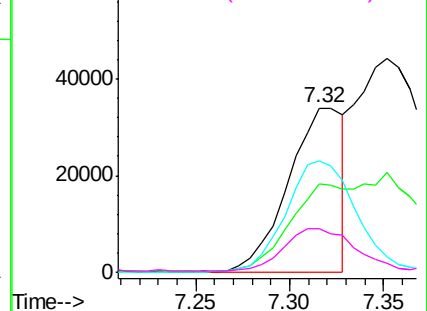
| Tot Ion | 41    | Resp  | 69584  |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 41      | 100   |       |        |
| 39      | 0.0   | 85.7  | 128.5# |
| 67      | 0.0   | 0.0   | 0.0    |
| 52      | 0.0   | 0.0   | 0.0    |

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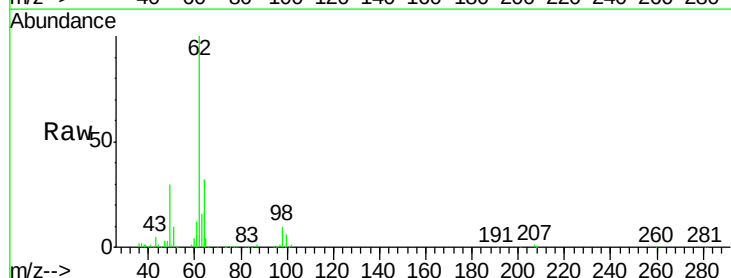


Abundance Ion 41.00 (40.70 to 41.70): VY0  
Ion 39.00 (38.70 to 39.70): VY0  
Ion 67.00 (66.70 to 67.70): VY0  
Ion 52.00 (51.70 to 52.70): VY0

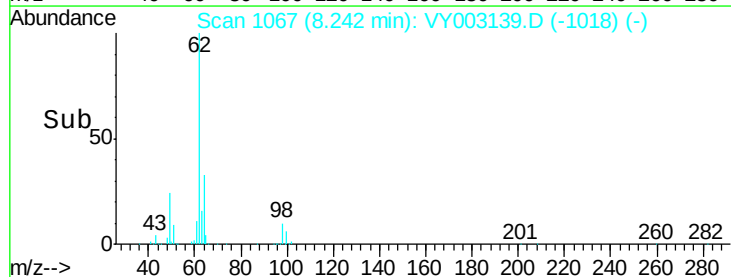
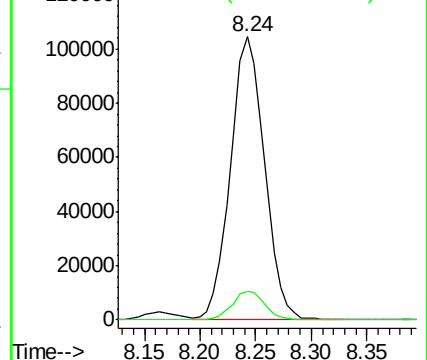


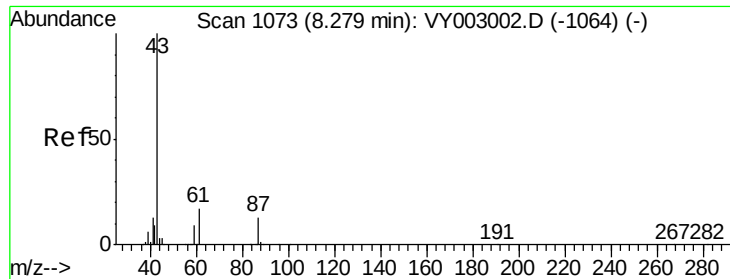
#42  
1,2-Dichloroethane  
Concen: 48.575 ug/l  
RT: 8.24 min Scan# 1067  
Delta R.T. 0.00 min  
Lab File: VY003139.D  
Acq: 08 Jul 2020 16:38

| Tgt Ion | 62    | Resp  | 221720 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 62      | 100   |       |        |
| 98      | 9.9   | 0.0   | 19.2   |



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





#43

Isopropyl Acetate

Concen: 45.500 ug/l

RT: 8.28 min Scan# 1073

Delta R.T. 0.00 min

Lab File: VY003139.D

Acq: 08 Jul 2020 16:38

Instrument :

MSVOA\_Y

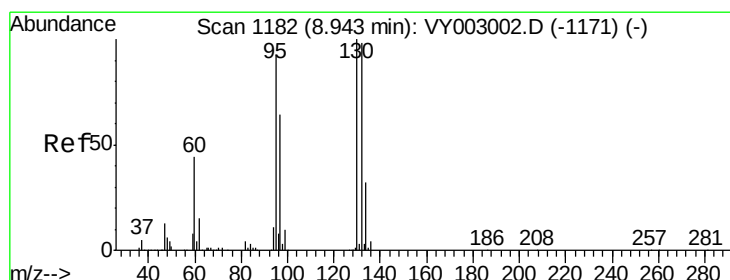
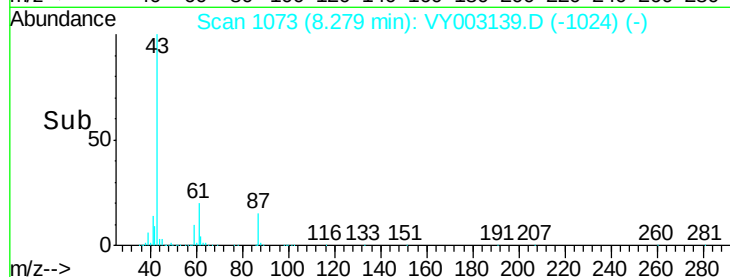
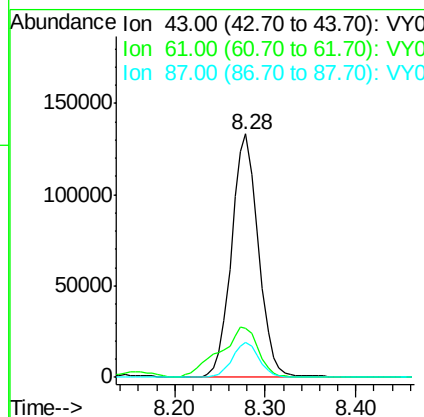
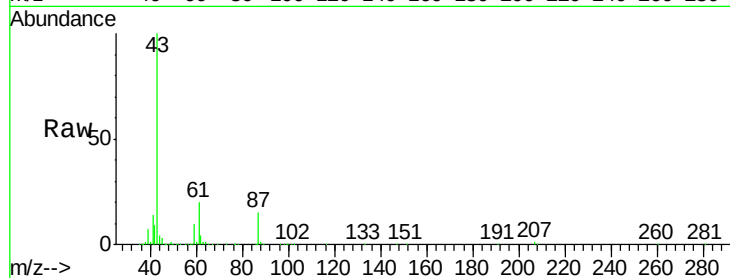
ClientSampleId :

VSTDCCC050EC

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 43    | Resp: | 274091 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 61       | 29.9  | 21.8  | 32.6   |
| 87       | 14.4  | 10.1  | 15.1   |

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#44

Trichloroethene

Concen: 54.116 ug/l

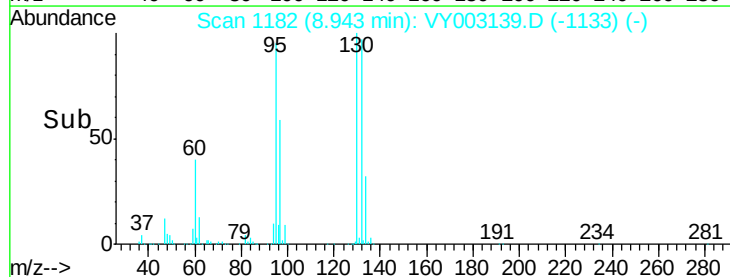
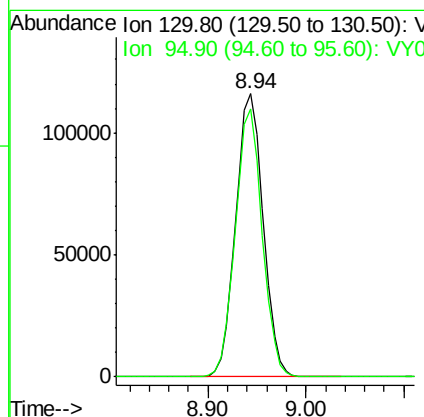
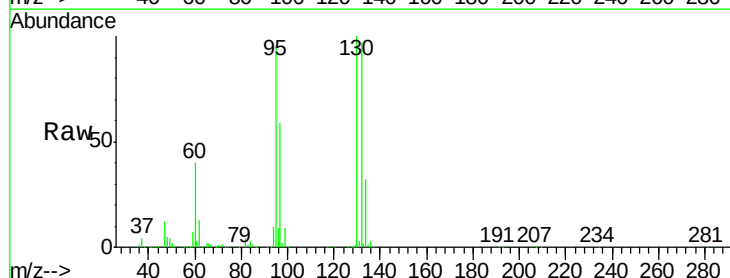
RT: 8.94 min Scan# 1182

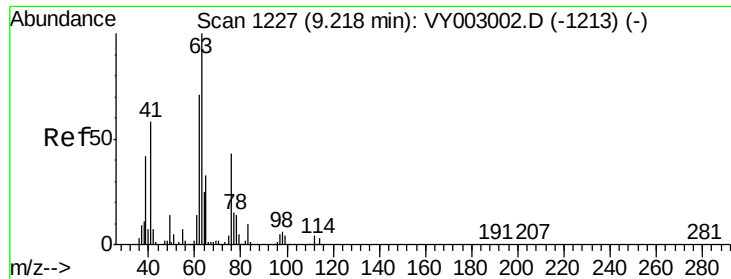
Delta R.T. 0.00 min

Lab File: VY003139.D

Acq: 08 Jul 2020 16:38

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 130   | Resp: | 226945 |
| Ion      | Ratio | Lower | Upper  |
| 130      | 100   |       |        |
| 95       | 94.4  | 0.0   | 186.4  |





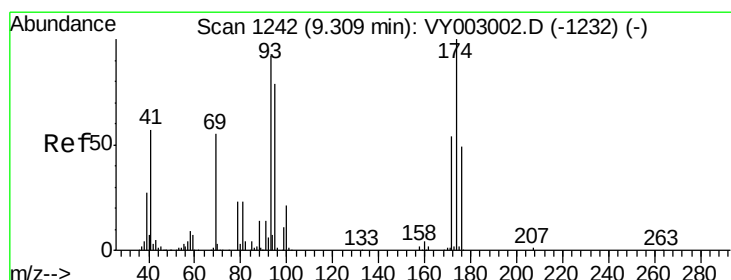
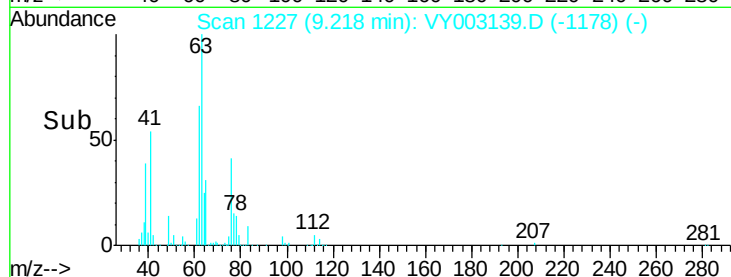
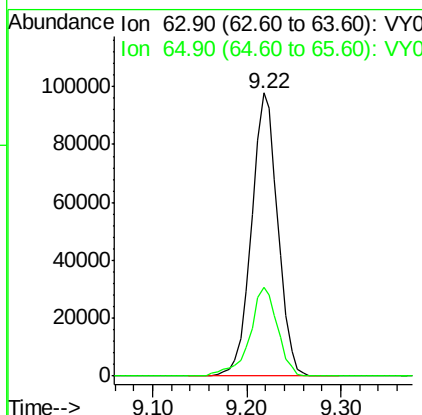
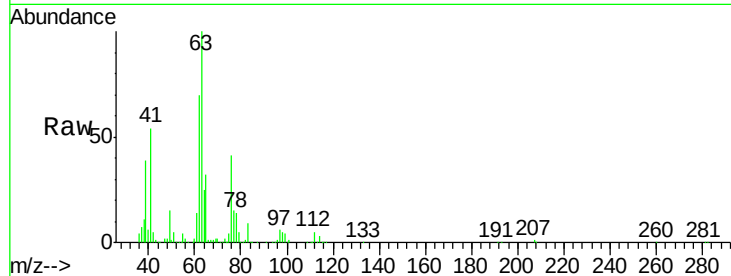
#45  
 1,2-Dichloropropane  
 Concen: 49.358 ug/l  
 RT: 9.22 min Scan# 1227  
 Delta R.T. 0.00 min  
 Lab File: VY003139.D  
 Acq: 08 Jul 2020 16:38

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 65      | 31.6  | 26.2  | 39.4  |

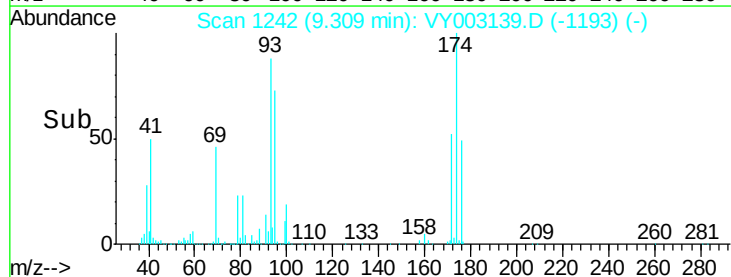
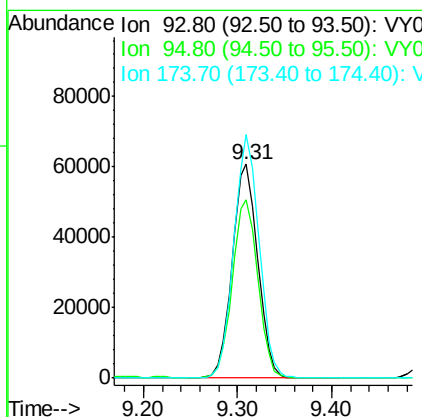
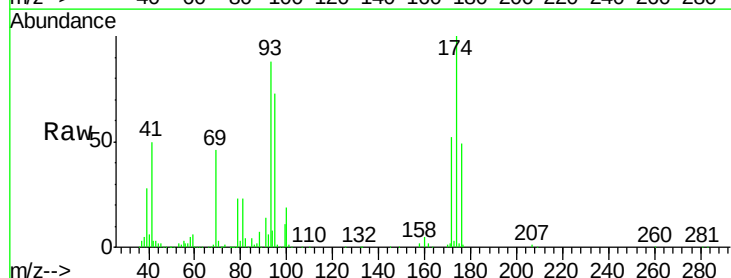
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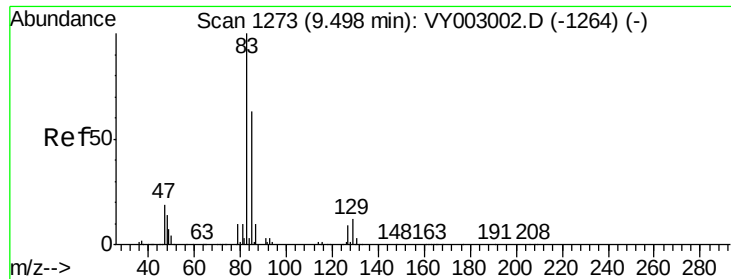
MMDadoda  
 7/9/2020 10:48:56 AM



#46  
 Dibromomethane  
 Concen: 52.750 ug/l  
 RT: 9.31 min Scan# 1242  
 Delta R.T. 0.00 min  
 Lab File: VY003139.D  
 Acq: 08 Jul 2020 16:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 95      | 83.8  | 67.6  | 101.4 |
| 174     | 112.5 | 88.3  | 132.5 |





#47

Bromodichloromethane

Concen: 51.719 ug/l

RT: 9.50 min Scan# 1273

Delta R.T. 0.00 min

Lab File: VY003139.D

Acq: 08 Jul 2020 16:38

Instrument :

MSVOA\_Y

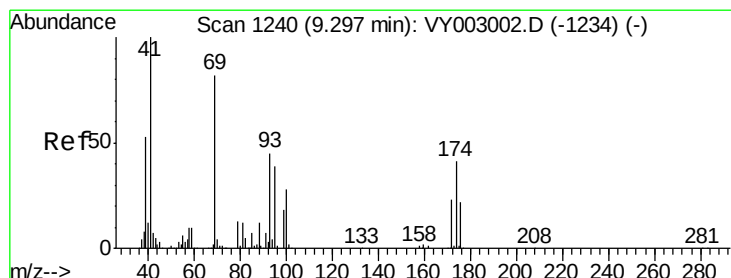
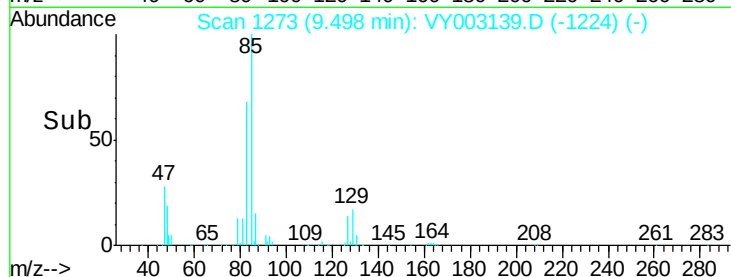
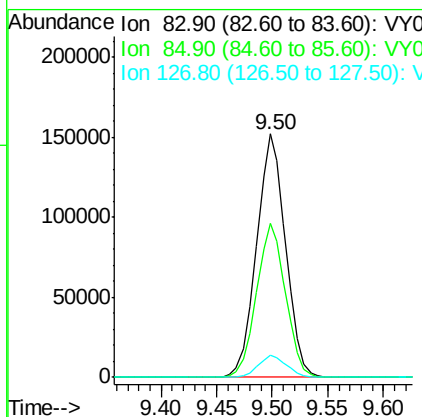
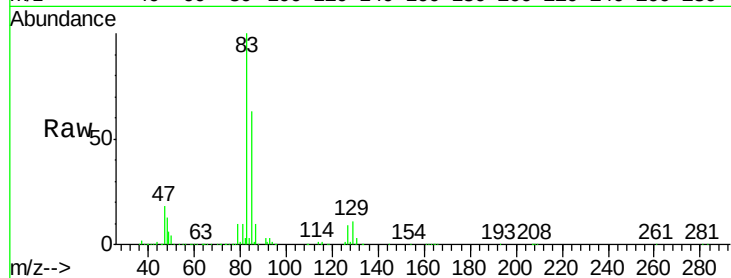
ClientSampleId :

VSTDCCC050EC

| Tot Ion | 83    | Resp  | 274560 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 83      | 100   |       |        |
| 85      | 63.3  | 50.5  | 75.7   |
| 127     | 9.0   | 7.0   | 10.4   |

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#48

Methyl methacrylate

Concen: 45.939 ug/l

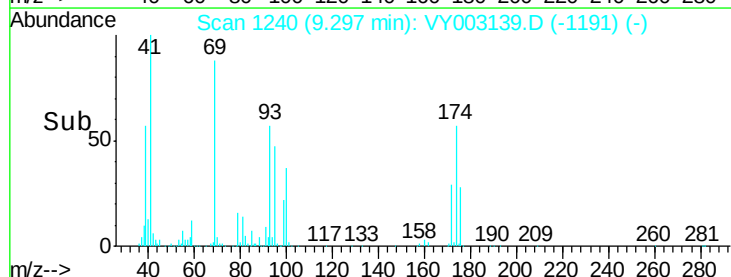
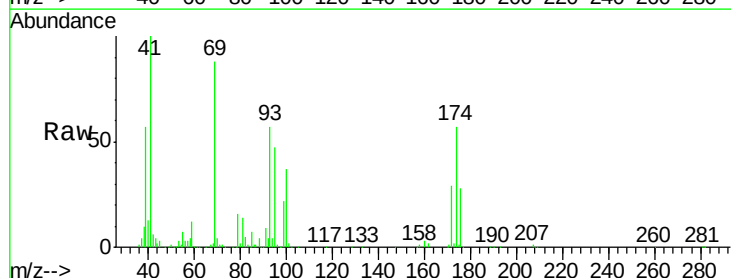
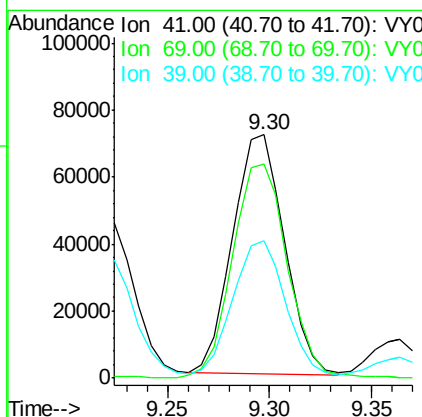
RT: 9.30 min Scan# 1240

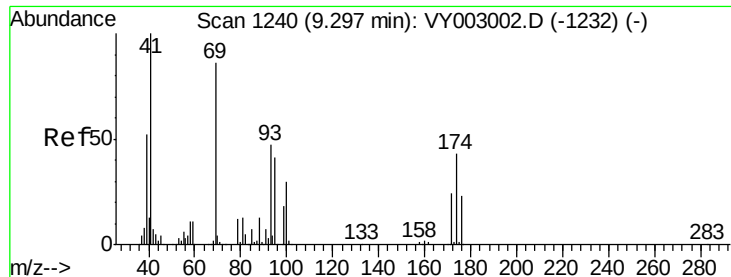
Delta R.T. 0.00 min

Lab File: VY003139.D

Acq: 08 Jul 2020 16:38

| Tgt Ion | 41    | Resp  | 125961 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 41      | 100   |       |        |
| 69      | 94.6  | 67.7  | 101.5  |
| 39      | 59.3  | 45.0  | 67.4   |





#49

1,4-Dioxane

Concen: 707.986 ug/l

RT: 9.32 min Scan# 1243

Delta R.T. 0.02 min

Lab File: VY003139.D

Acq: 08 Jul 2020 16:38

Instrument :

MSVOA\_Y

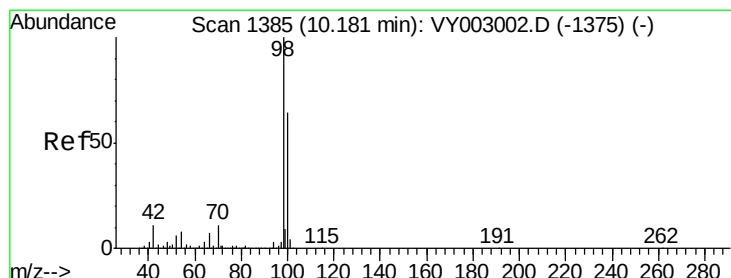
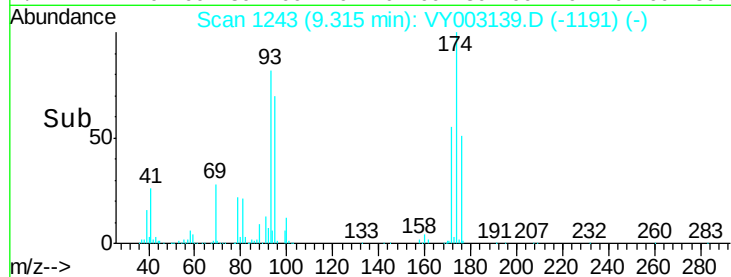
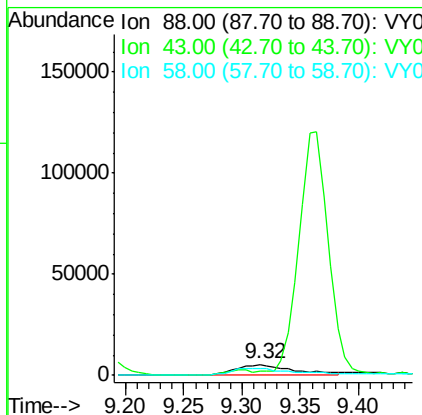
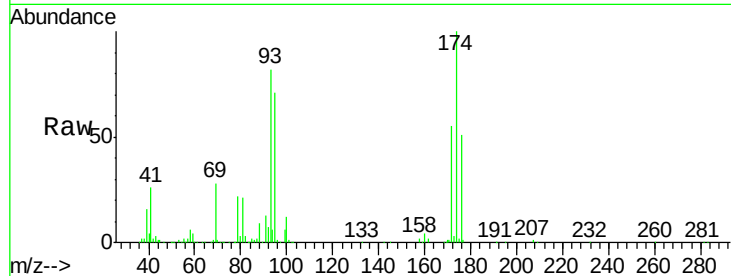
ClientSampleId :

VSTDCCC050EC

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 88    | Resp: | 18737 |
| Ion Ratio | Lower | Upper |       |
| 88        | 100   |       |       |
| 43        | 0.0   | 28.6  | 42.8# |
| 58        | 79.2  | 56.7  | 85.1  |

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#50

Toluene-d8

Concen: 52.650 ug/l

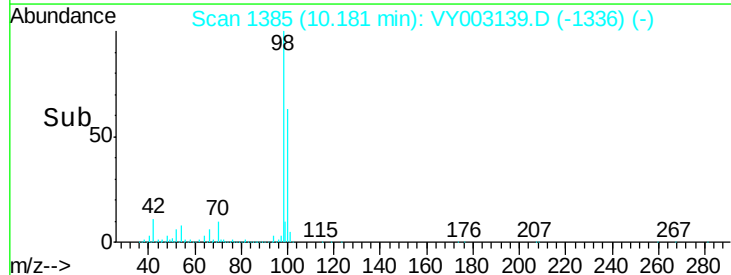
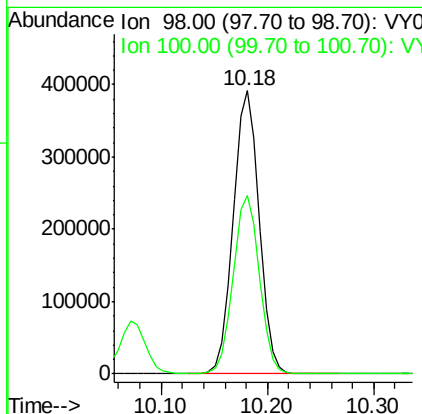
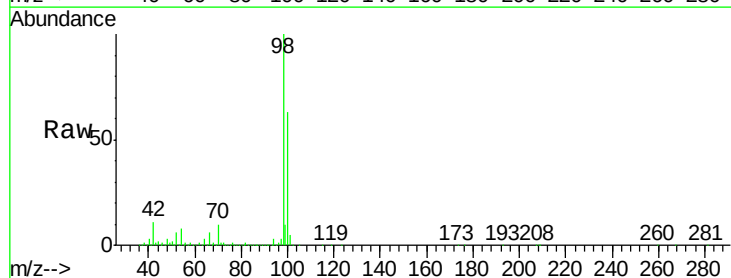
RT: 10.18 min Scan# 1385

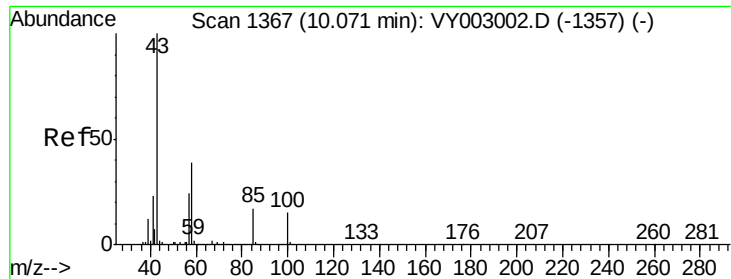
Delta R.T. 0.00 min

Lab File: VY003139.D

Acq: 08 Jul 2020 16:38

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 98    | Resp: | 669465 |
| Ion Ratio | Lower | Upper |        |
| 98        | 100   |       |        |
| 100       | 63.8  | 51.1  | 76.7   |





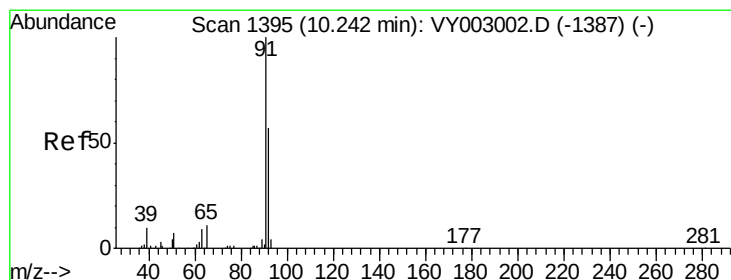
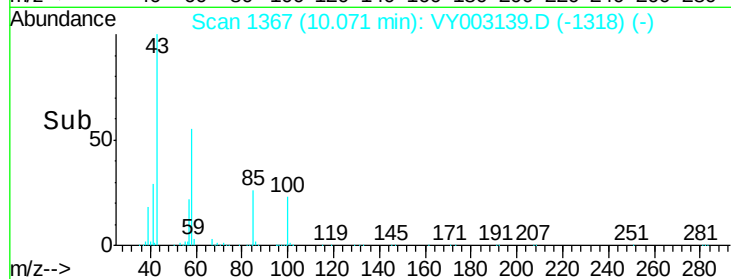
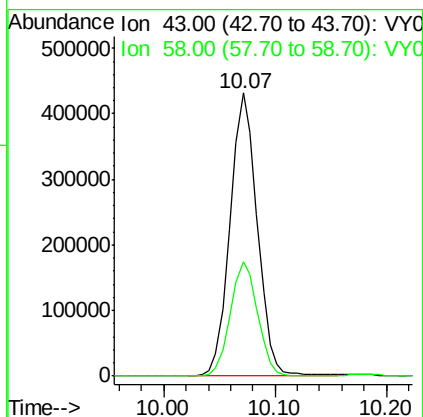
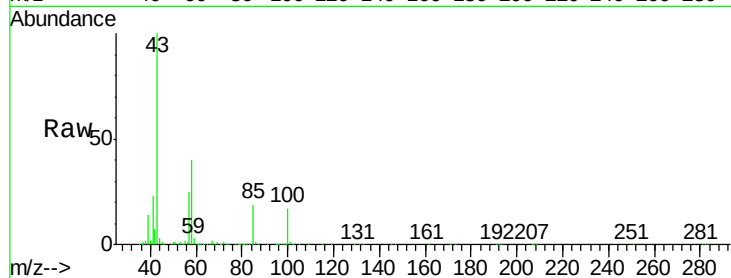
#51  
4-Methyl-2-Pentanone  
Concen: 235.421 ug/l  
RT: 10.07 min Scan# 1367  
Delta R.T. 0.00 min  
Lab File: VY003139.D  
Acq: 08 Jul 2020 16:38

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 58      | 40.7  | 31.1  | 46.7  |

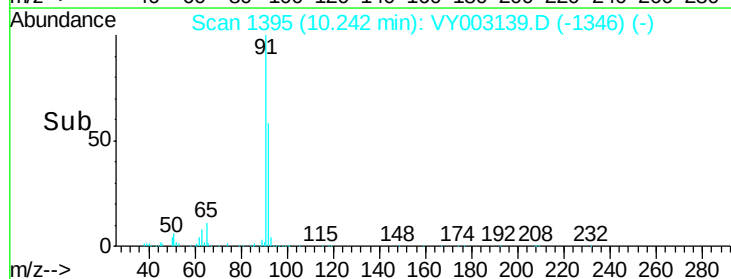
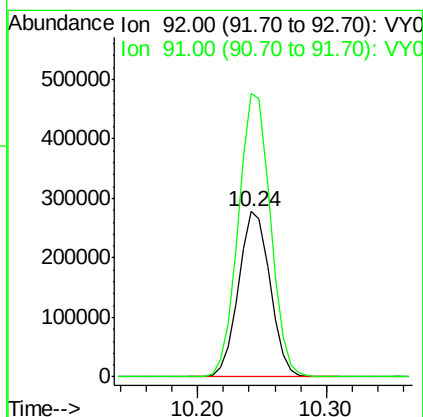
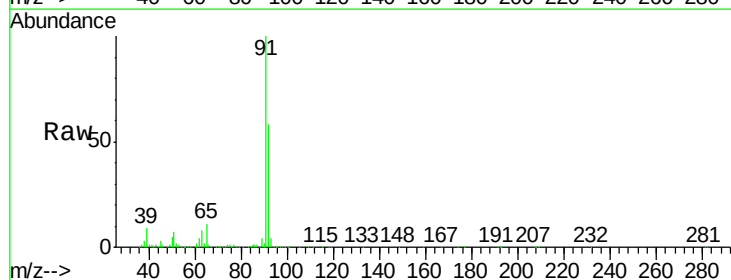
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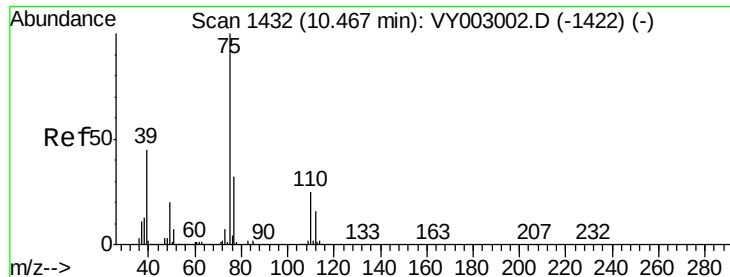
MMDadoda  
7/9/2020 10:48:56 AM



#52  
Toluene  
Concen: 51.753 ug/l  
RT: 10.24 min Scan# 1395  
Delta R.T. 0.00 min  
Lab File: VY003139.D  
Acq: 08 Jul 2020 16:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 92      | 100   |       |       |
| 91      | 174.6 | 139.6 | 209.4 |





#53

t-1,3-Dichloropropene

Concen: 50.206 ug/l

RT: 10.47 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VY003139.D

Acq: 08 Jul 2020 16:38

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 279440

Ion Ratio Lower Upper

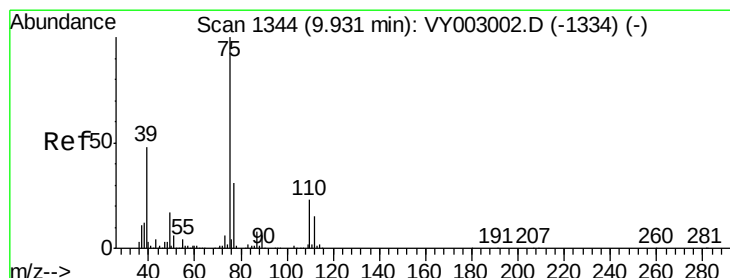
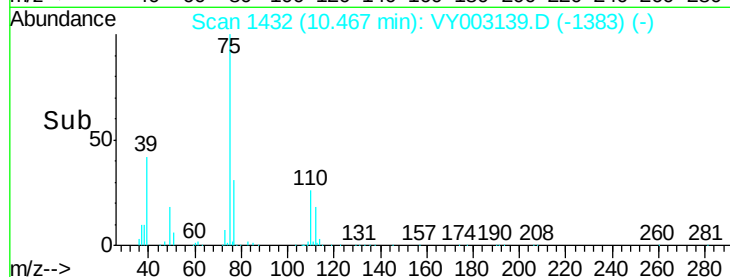
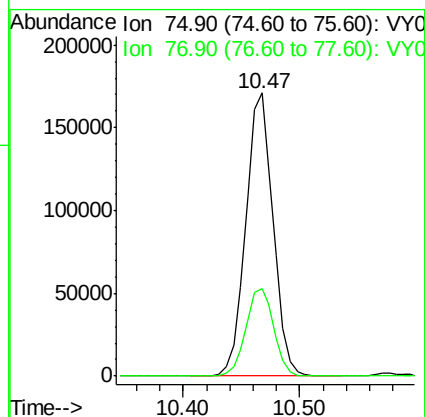
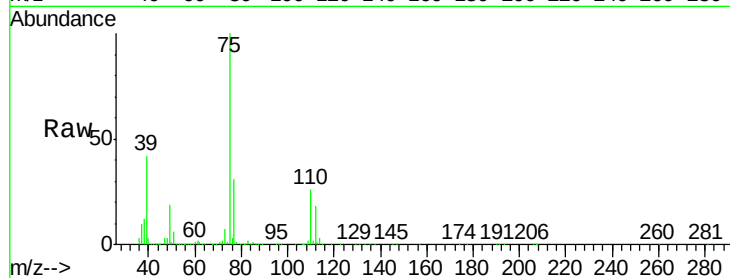
75 100

77 30.8 25.9 38.9

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#54

cis-1,3-Dichloropropene

Concen: 50.433 ug/l

RT: 9.93 min Scan# 1344

Delta R.T. 0.00 min

Lab File: VY003139.D

Acq: 08 Jul 2020 16:38

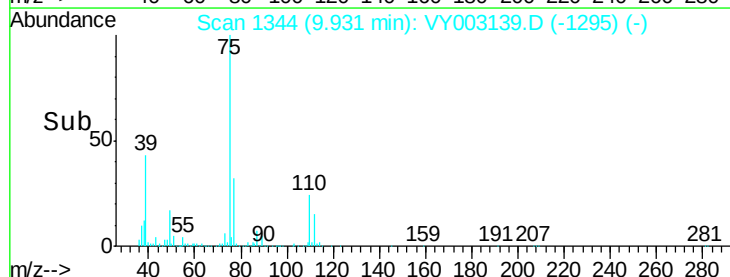
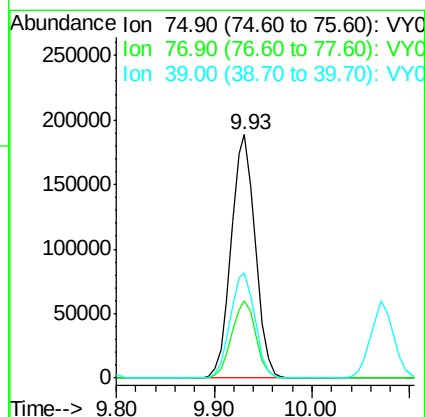
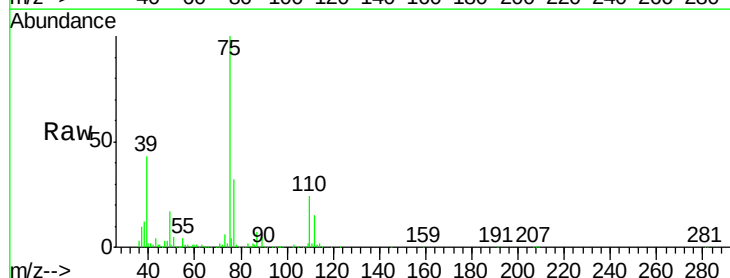
Tgt Ion: 75 Resp: 321026

Ion Ratio Lower Upper

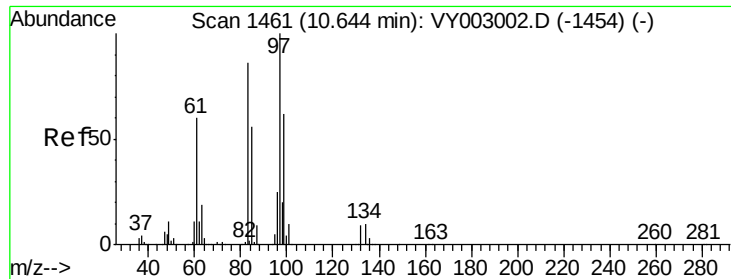
75 100

77 31.5 24.6 37.0

39 43.0 38.3 57.5







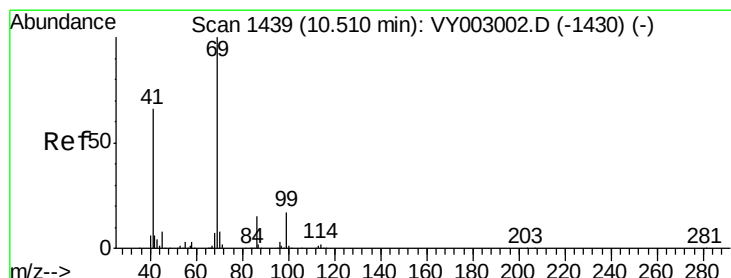
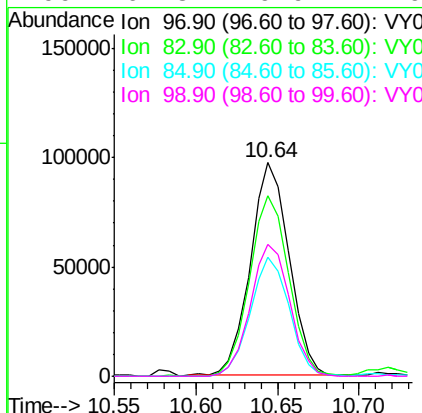
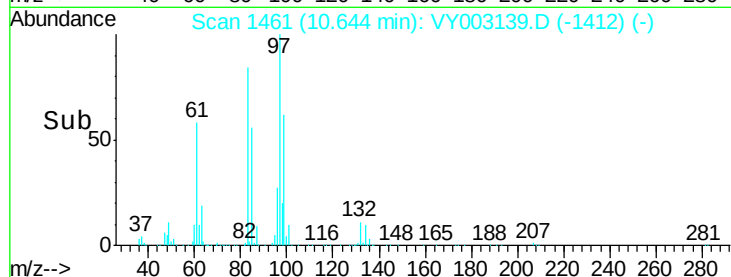
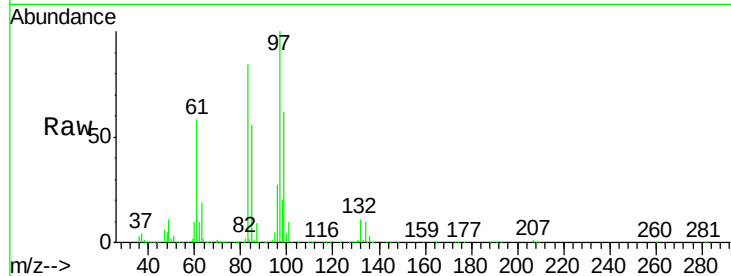
#55  
 1,1,2-Trichloroethane  
 Concen: 53.277 ug/l  
 RT: 10.64 min Scan# 1461  
 Delta R.T. 0.00 min  
 Lab File: VY003139.D  
 Acq: 08 Jul 2020 16:38

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 97      | 100  |       | 160508 |       |       |
| 83      | 84.6 | 69.0  | 103.6  |       |       |
| 85      | 56.1 | 44.8  | 67.2   |       |       |
| 99      | 61.8 | 49.9  | 74.9   |       |       |

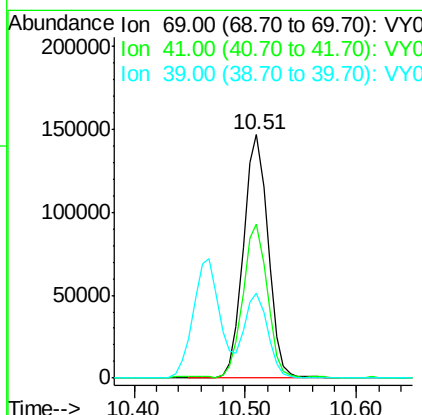
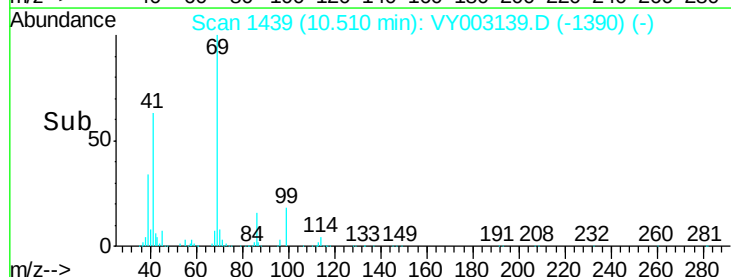
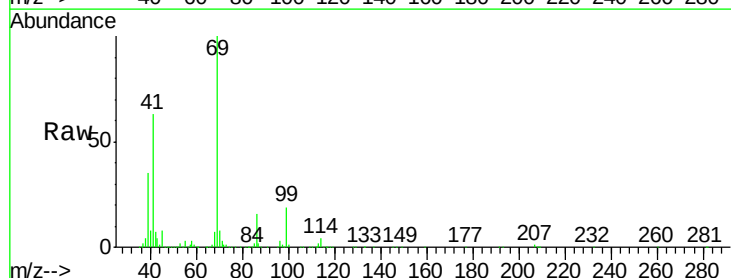
Manual Integrations  
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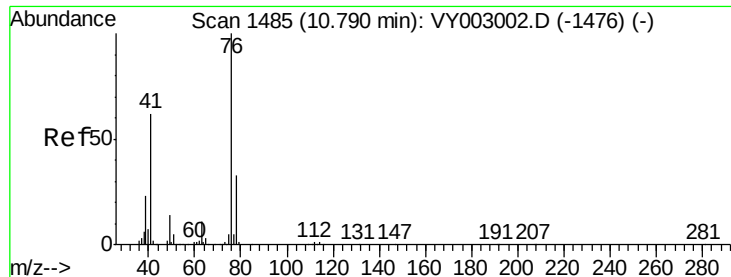
MMDadoda  
 7/9/2020 10:48:56 AM



#56  
 Ethyl methacrylate  
 Concen: 51.780 ug/l  
 RT: 10.51 min Scan# 1439  
 Delta R.T. 0.00 min  
 Lab File: VY003139.D  
 Acq: 08 Jul 2020 16:38

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 69      | 100  |       | 225813 |       |       |
| 41      | 61.5 | 53.7  | 80.5   |       |       |
| 39      | 32.1 | 28.3  | 42.5   |       |       |





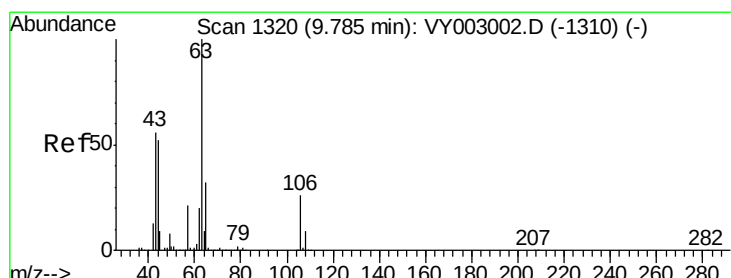
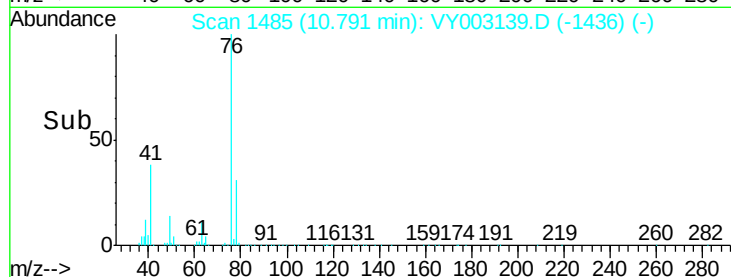
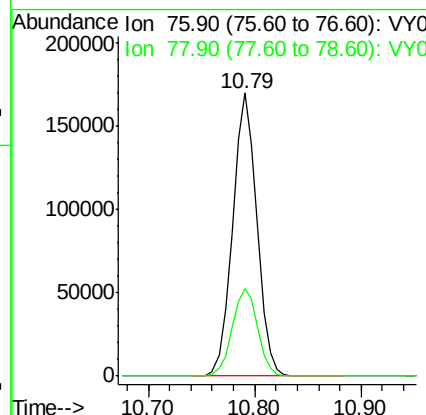
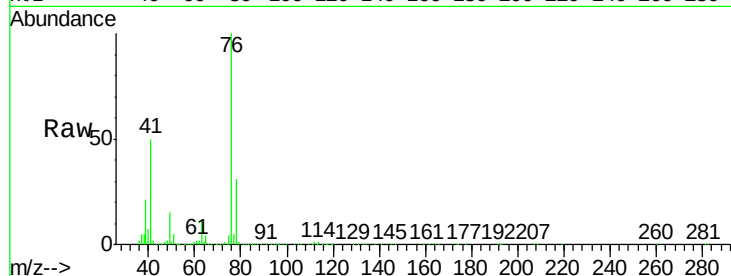
#57  
 1,3-Dichloropropane  
 Concen: 51.187 ug/l  
 RT: 10.79 min Scan# 1485  
 Delta R.T. 0.00 min  
 Lab File: VY003139.D  
 Acq: 08 Jul 2020 16:38

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 32.6  | 26.0  | 39.0  |

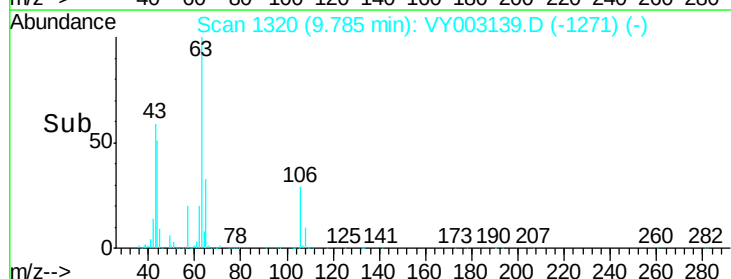
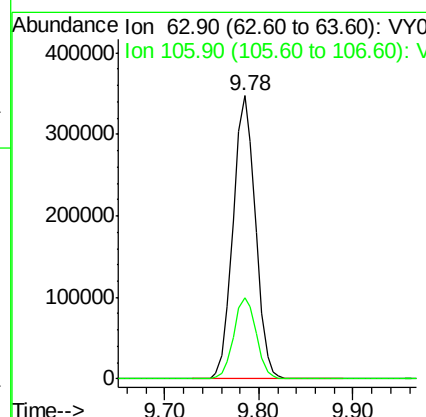
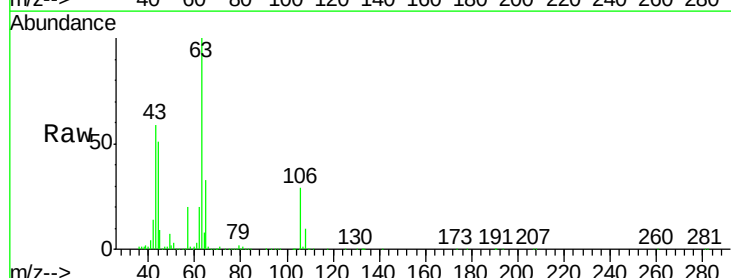
Manual Integrations  
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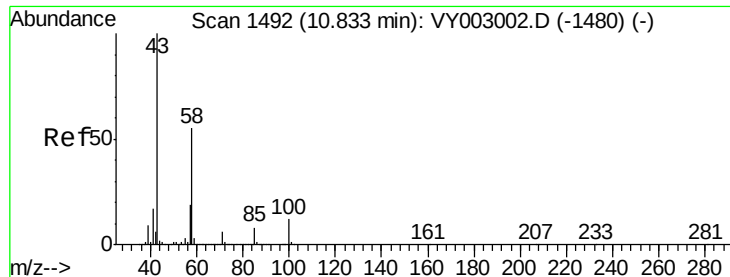
MMDadoda  
 7/9/2020 10:48:56 AM



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 256.485 ug/l  
 RT: 9.78 min Scan# 1320  
 Delta R.T. 0.00 min  
 Lab File: VY003139.D  
 Acq: 08 Jul 2020 16:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 106     | 28.8  | 21.5  | 32.3  |





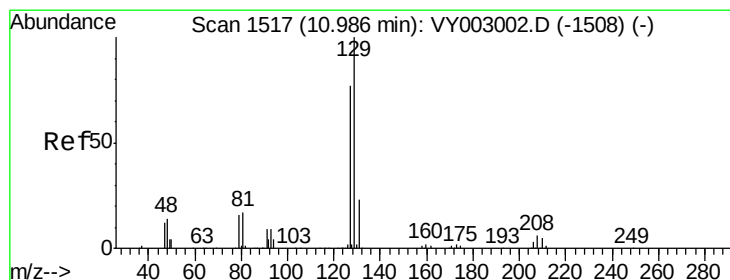
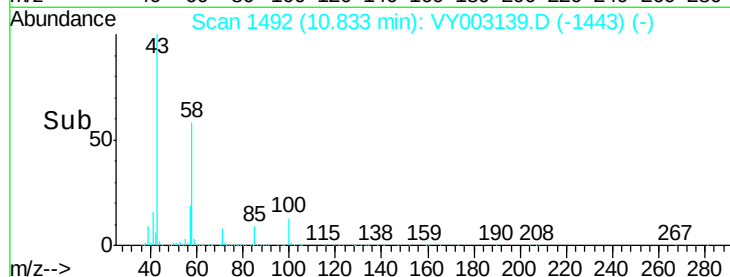
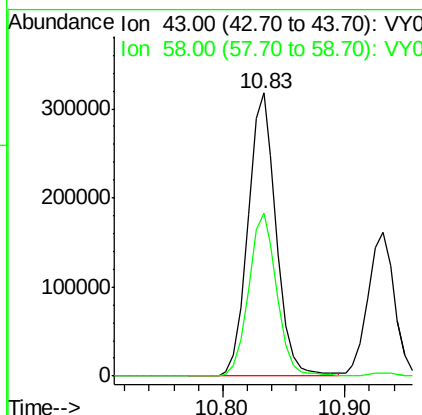
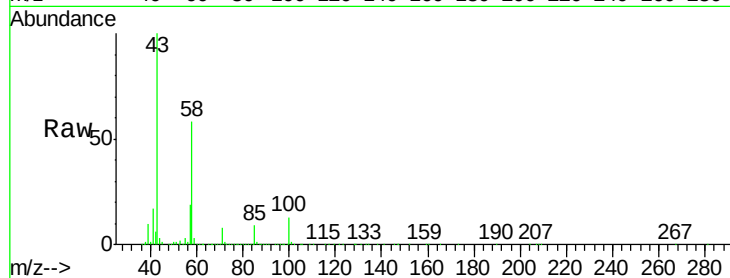
#59  
2-Hexanone  
Concen: 232.978 ug/l  
RT: 10.83 min Scan# 1492  
Delta R.T. 0.00 min  
Lab File: VY003139.D  
Acq: 08 Jul 2020 16:38

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

Tot Ion: 43 Resp: 507015  
Ion Ratio Lower Upper  
43 100  
58 57.7 27.5 82.4

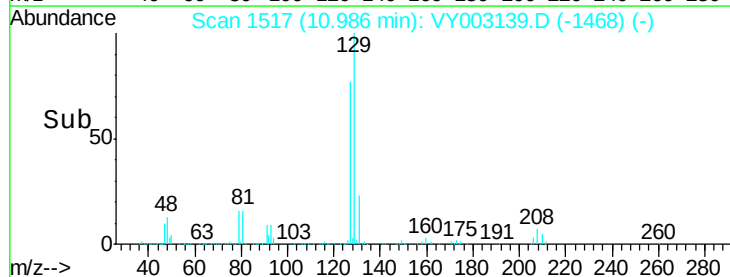
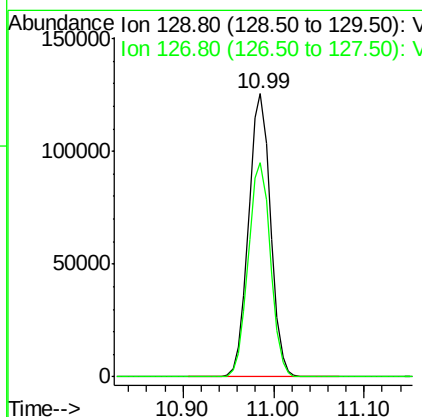
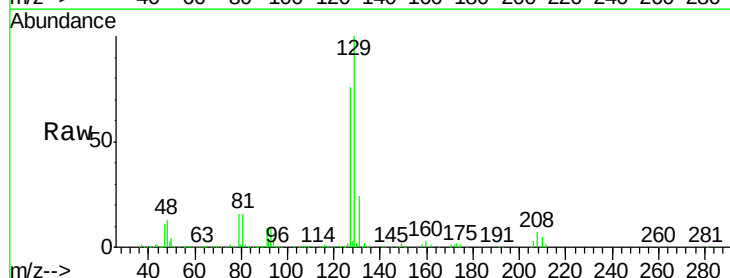
Manual Integrations  
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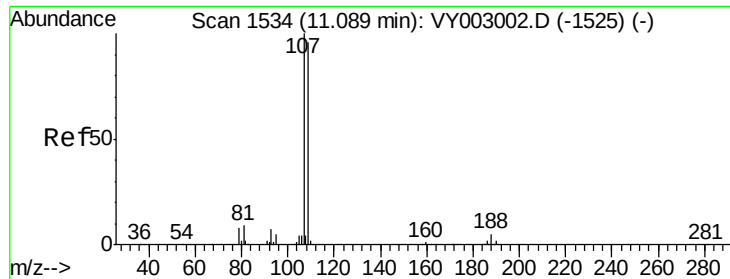
MMDadoda  
7/9/2020 10:48:56 AM



#60  
Dibromochloromethane  
Concen: 54.764 ug/l  
RT: 10.99 min Scan# 1517  
Delta R.T. 0.00 min  
Lab File: VY003139.D  
Acq: 08 Jul 2020 16:38

Tgt Ion: 129 Resp: 211139  
Ion Ratio Lower Upper  
129 100  
127 76.6 39.1 117.3





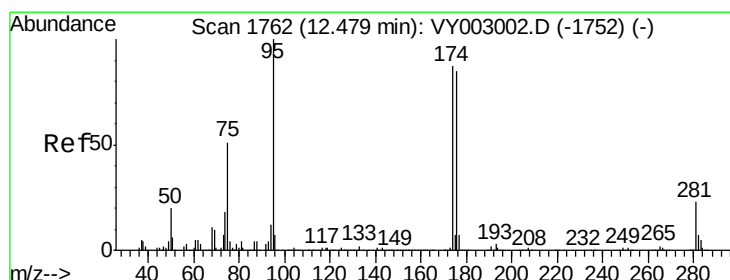
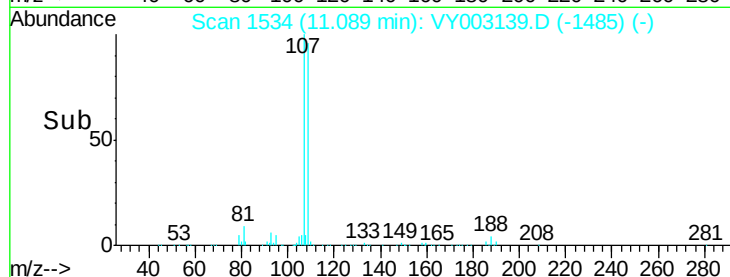
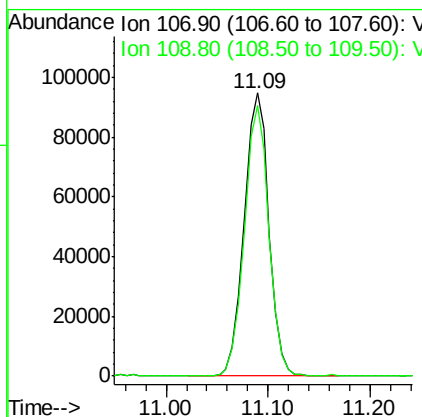
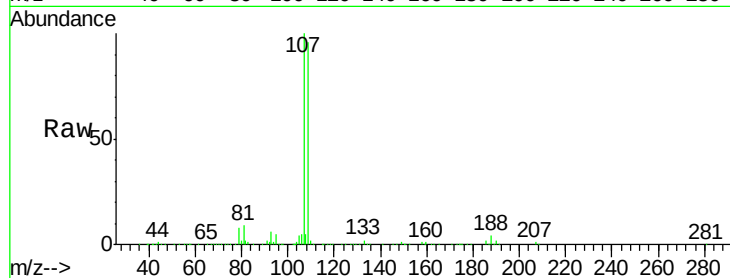
#61  
 1,2-Dibromoethane  
 Concen: 53.717 ug/l  
 RT: 11.09 min Scan# 1534  
 Delta R.T. 0.00 min  
 Lab File: VY003139.D  
 Acq: 08 Jul 2020 16:38

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 109     | 94.6  | 75.8  | 113.8 |

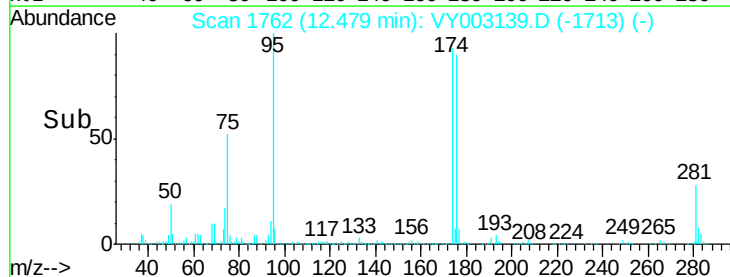
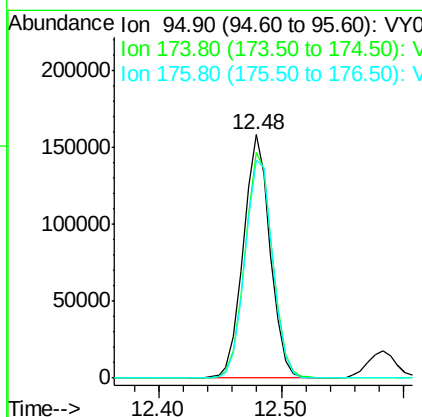
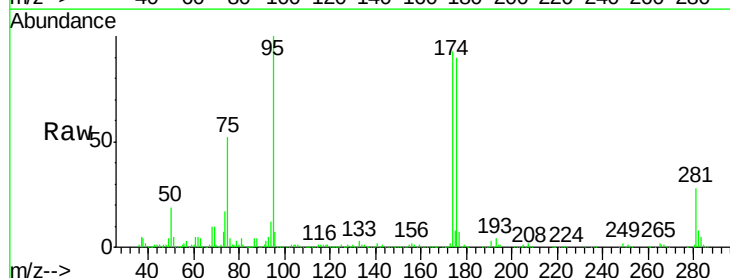
Manual Integrations  
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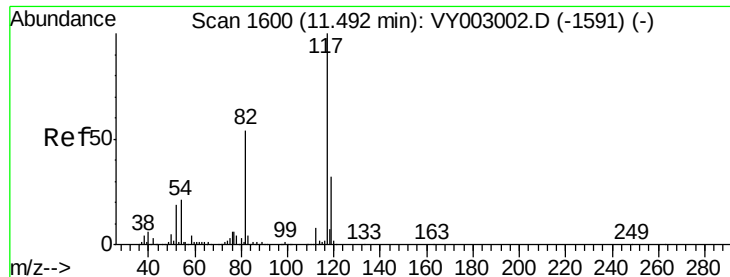
MMDadoda  
 7/9/2020 10:48:56 AM



#62  
 4-Bromofluorobenzene  
 Concen: 52.971 ug/l  
 RT: 12.48 min Scan# 1762  
 Delta R.T. 0.00 min  
 Lab File: VY003139.D  
 Acq: 08 Jul 2020 16:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 95      | 100   |       |       |
| 174     | 95.7  | 0.0   | 184.8 |
| 176     | 94.0  | 0.0   | 183.0 |





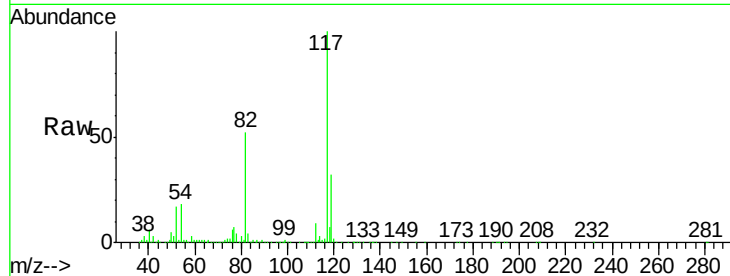
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.49 min Scan# 1600  
Delta R.T. 0.00 min  
Lab File: VY003139.D  
Acq: 08 Jul 2020 16:38

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 117     | 100   | 512308 |       |       |
| 82      | 51.5  | 43.0   | 64.6  |       |
| 119     | 32.3  | 25.8   | 38.8  |       |

Manual Integrations  
APPROVED

MMDadoda  
7/9/2020 10:48:56 AM

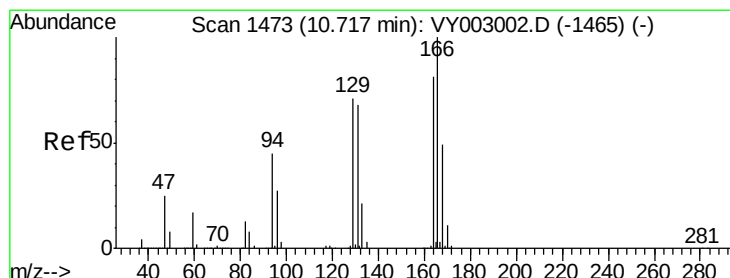
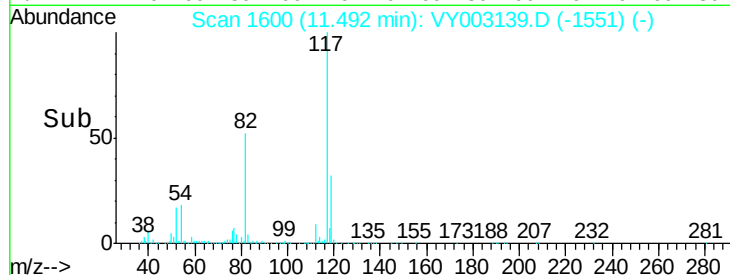
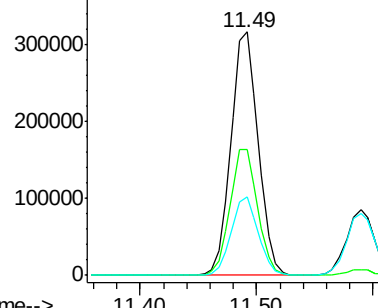


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64  
Tetrachloroethene  
Concen: 60.641 ug/l  
RT: 10.72 min Scan# 1473  
Delta R.T. 0.00 min  
Lab File: VY003139.D  
Acq: 08 Jul 2020 16:38

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 164     | 100   | 262935 |       |       |
| 166     | 129.5 | 98.5   | 147.7 |       |
| 129     | 88.8  | 69.7   | 104.5 |       |
| 131     | 84.1  | 67.2   | 100.8 |       |

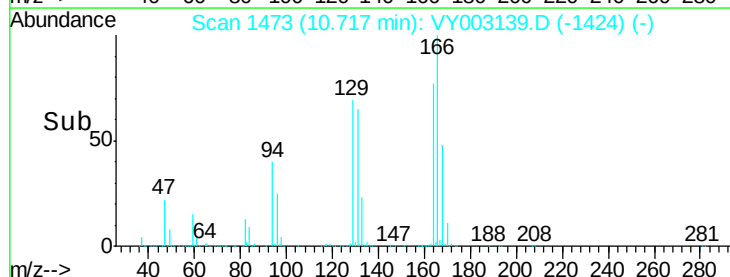
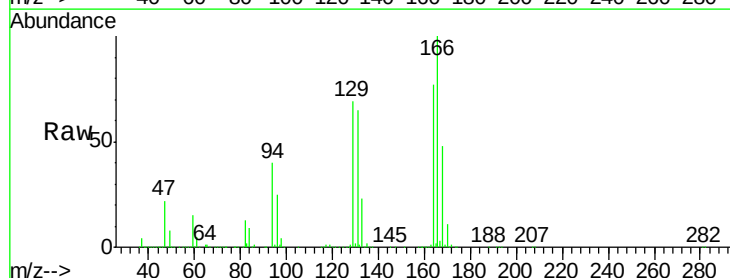
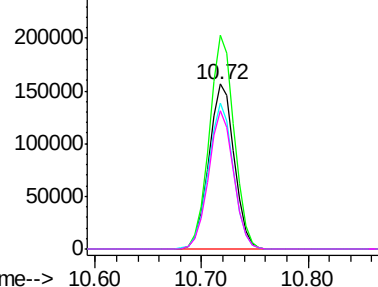
Abundance

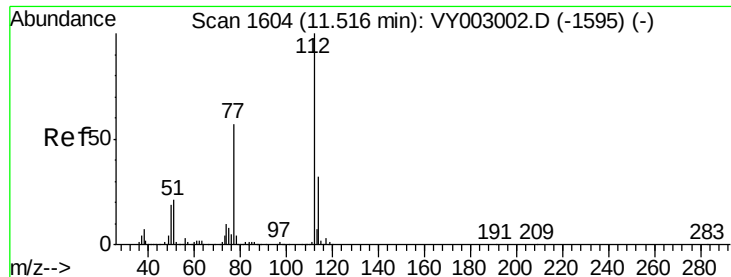
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





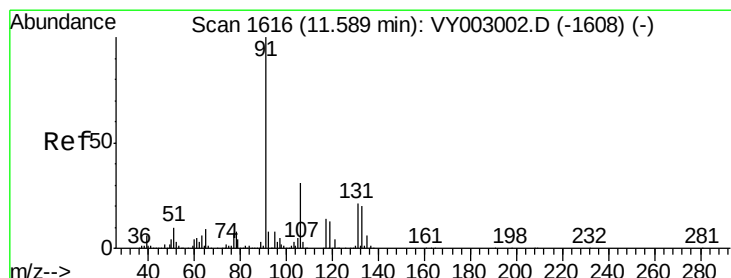
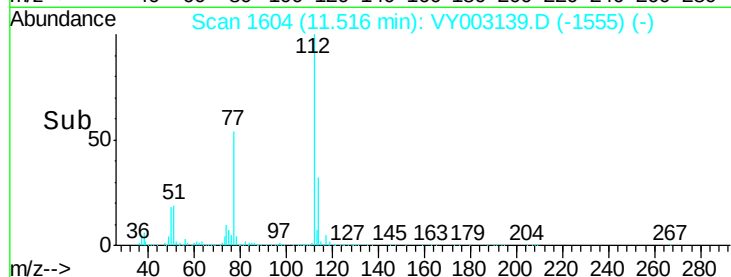
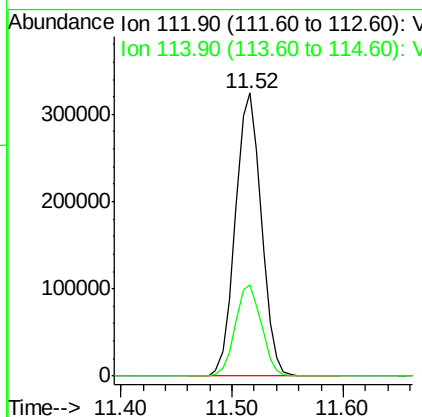
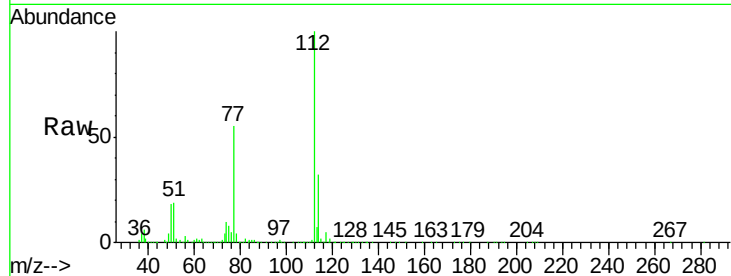
#65  
Chlorobenzene  
Concen: 51.846 ug/l  
RT: 11.52 min Scan# 1604  
Delta R.T. 0.00 min  
Lab File: VY003139.D  
Acq: 08 Jul 2020 16:38

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 114     | 32.2  | 25.7  | 38.5  |

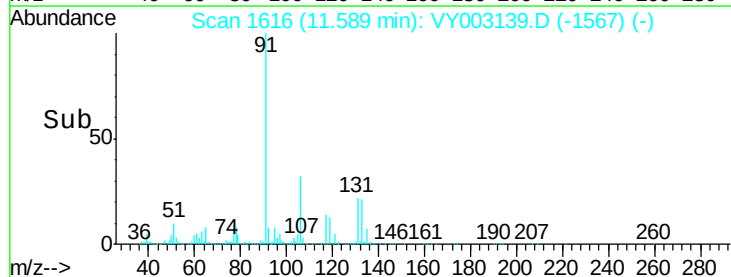
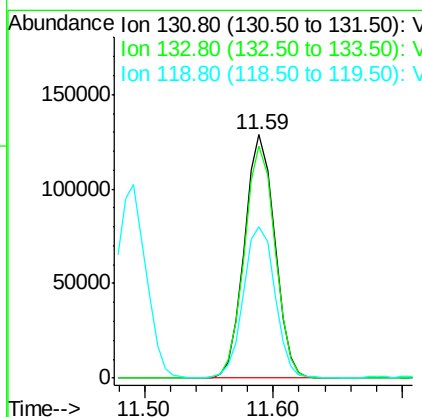
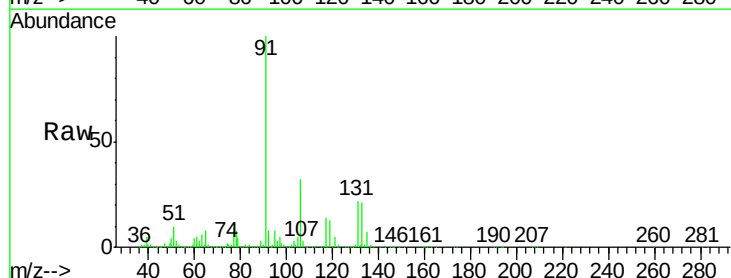
Manual Integrations  
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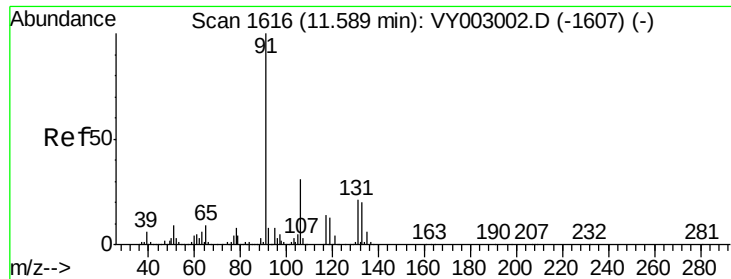
MMDadoda  
7/9/2020 10:48:56 AM



#66  
1,1,1,2-Tetrachloroethane  
Concen: 53.147 ug/l  
RT: 11.59 min Scan# 1616  
Delta R.T. 0.00 min  
Lab File: VY003139.D  
Acq: 08 Jul 2020 16:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 131     | 100   |       |       |
| 133     | 96.0  | 47.9  | 143.8 |
| 119     | 64.0  | 31.8  | 95.3  |





#67

Ethyl Benzene

Concen: 51.005 ug/l

RT: 11.59 min Scan# 1616

Delta R.T. 0.00 min

Lab File: VY003139.D

Acq: 08 Jul 2020 16:38

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 942592

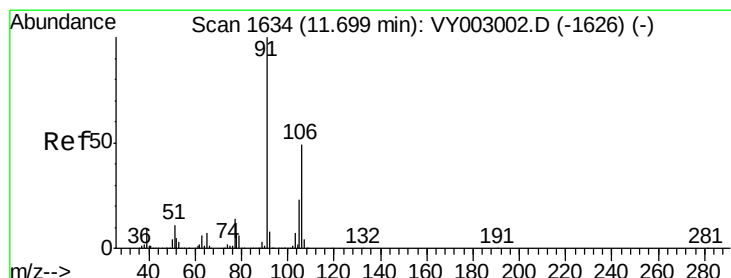
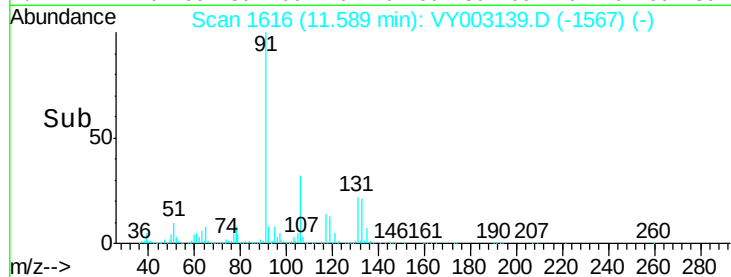
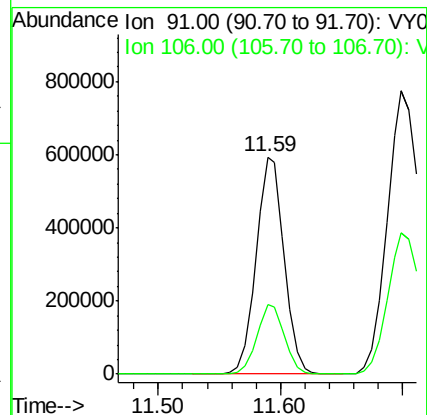
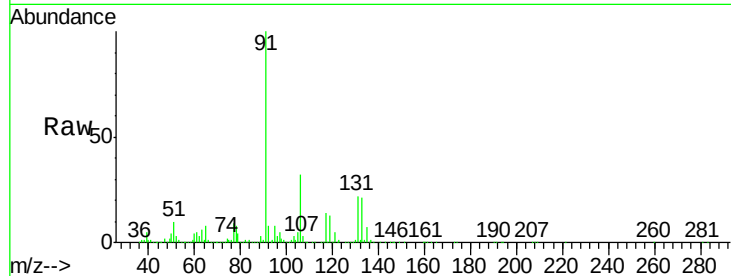
Ion Ratio Lower Upper

91 100

106 31.8 25.0 37.4

Manual Integrations  
APPROVED

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7/9/2020 10:48:56 AM



#68

m/p-Xylenes

Concen: 103.756 ug/l

RT: 11.70 min Scan# 1634

Delta R.T. 0.00 min

Lab File: VY003139.D

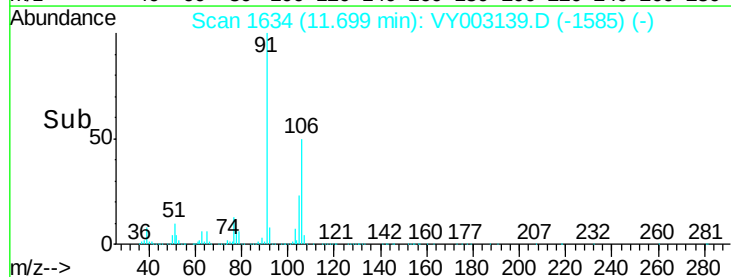
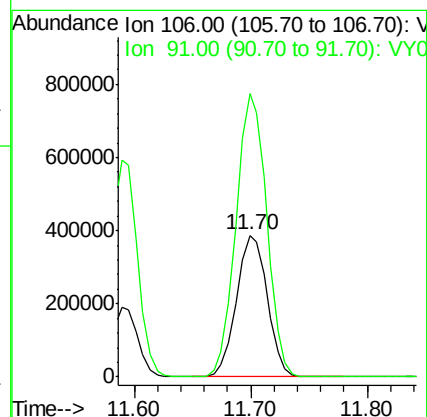
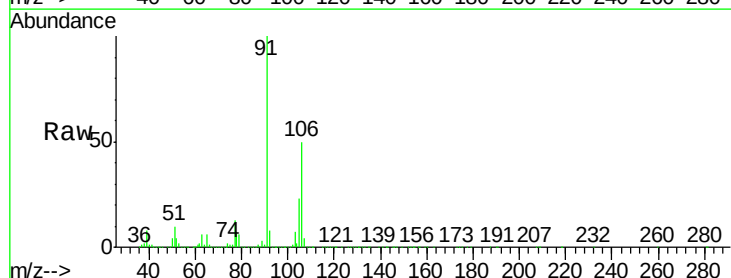
Acq: 08 Jul 2020 16:38

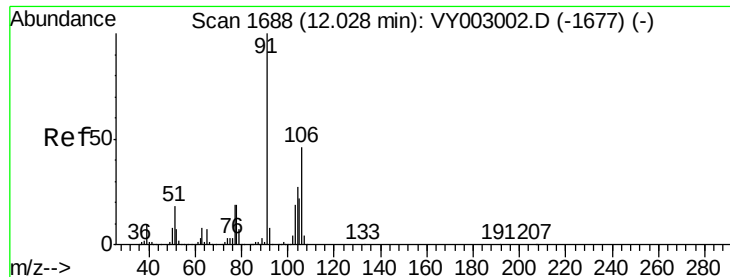
Tgt Ion: 106 Resp: 713641

Ion Ratio Lower Upper

106 100

91 198.8 161.9 242.9





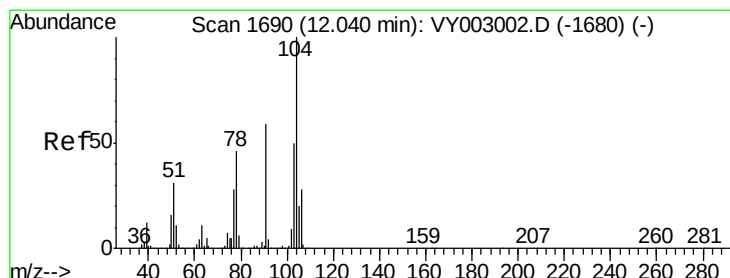
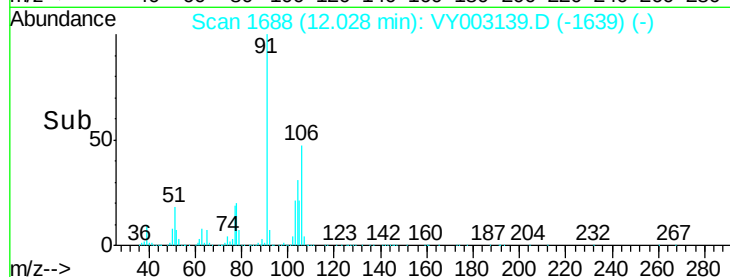
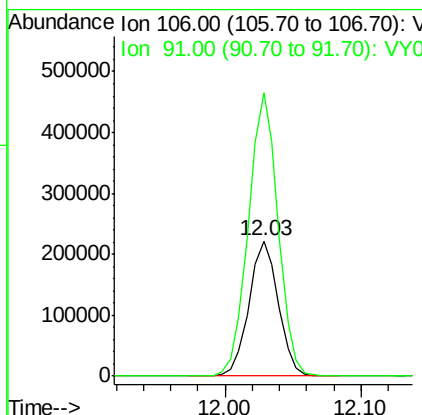
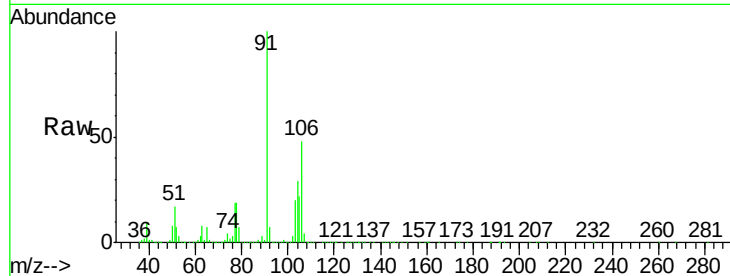
#69  
o-Xylene  
Concen: 51.833 ug/l  
RT: 12.03 min Scan# 1688  
Delta R.T. 0.00 min  
Lab File: VY003139.D  
Acq: 08 Jul 2020 16:38

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

Tot Ion:106 Resp: 335953  
Ion Ratio Lower Upper  
106 100  
91 210.7 107.9 323.8

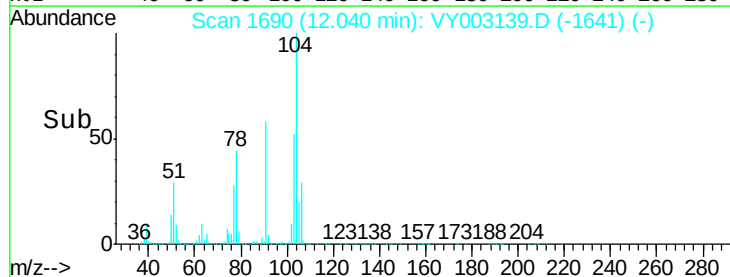
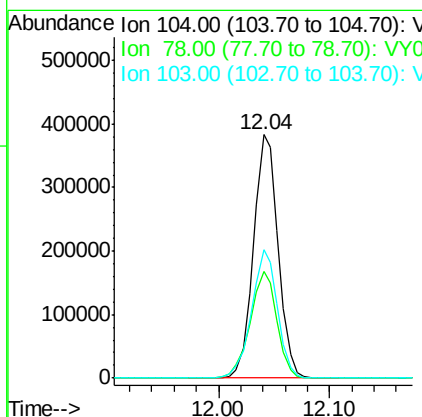
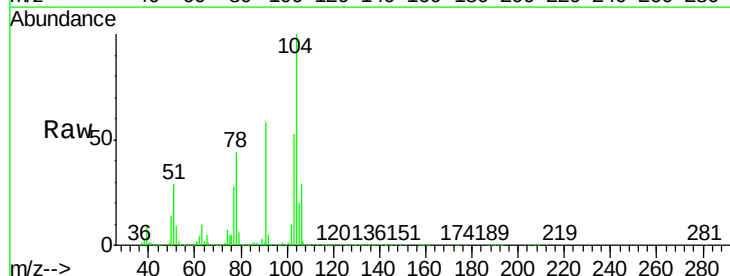
Manual Integrations  
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7/9/2020 10:48:56 AM

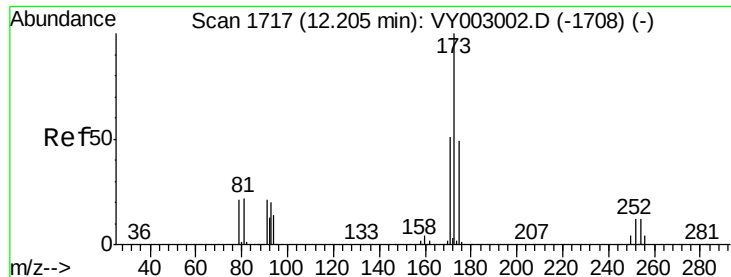


#70  
Styrene  
Concen: 53.101 ug/l  
RT: 12.04 min Scan# 1690  
Delta R.T. 0.00 min  
Lab File: VY003139.D  
Acq: 08 Jul 2020 16:38

Tgt Ion:104 Resp: 587976  
Ion Ratio Lower Upper  
104 100  
78 47.8 40.4 60.6  
103 55.4 44.1 66.1







#71

Bromoform

Concen: 52.653 ug/l

RT: 12.20 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VY003139.D

Acq: 08 Jul 2020 16:38

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 138467

Ion Ratio Lower Upper

173 100

175 50.4 24.6 73.6

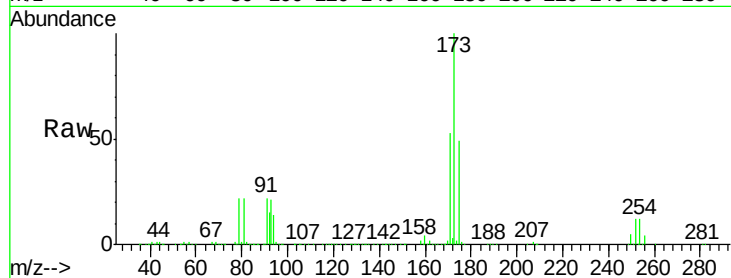
254 0.2 0.2 0.2

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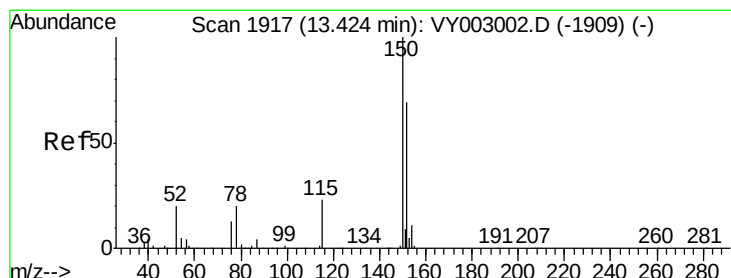
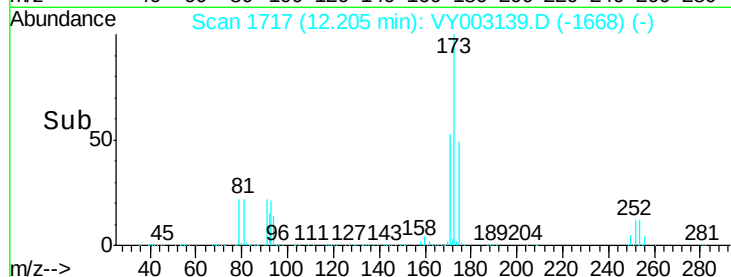
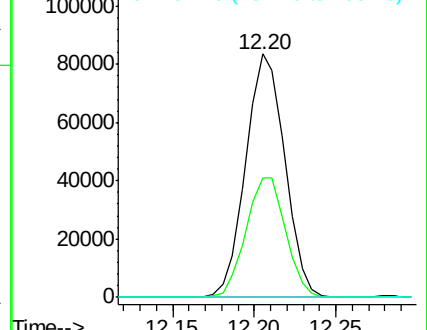
7/9/2020 10:48:56 AM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.42 min Scan# 1917

Delta R.T. 0.00 min

Lab File: VY003139.D

Acq: 08 Jul 2020 16:38

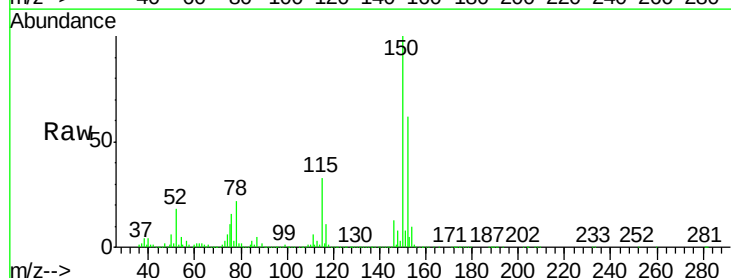
Tgt Ion:152 Resp: 273786

Ion Ratio Lower Upper

152 100

115 54.6 27.3 81.9

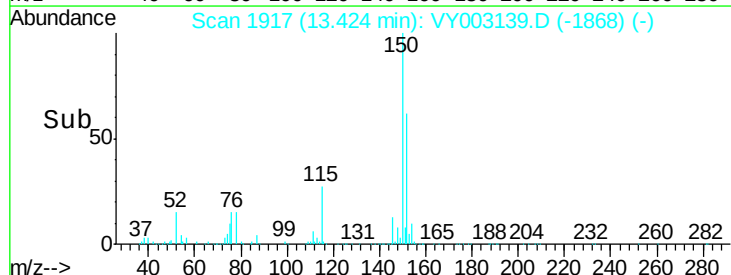
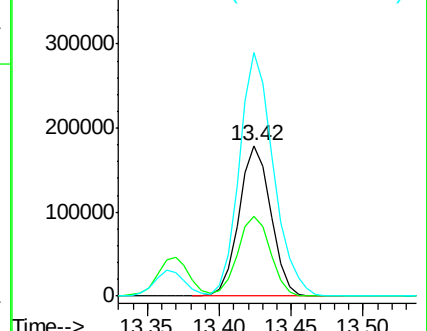
150 173.6 0.0 343.4

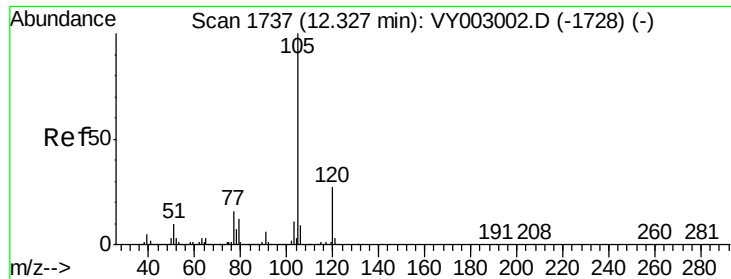


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 51.252 ug/l

RT: 12.33 min Scan# 1737

Delta R.T. 0.00 min

Lab File: VY003139.D

Acq: 08 Jul 2020 16:38

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 918335

Ion Ratio Lower Upper

105 100

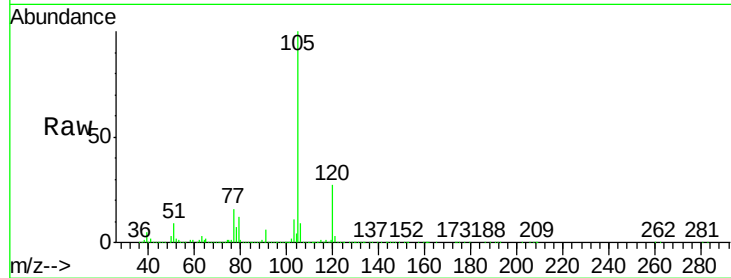
120 26.6 13.4 40.1

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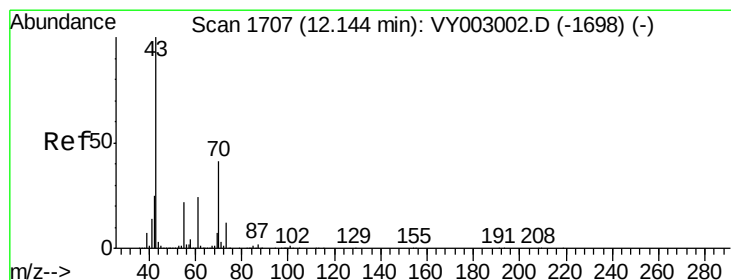
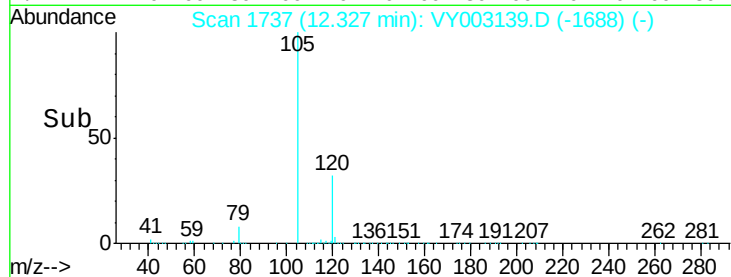
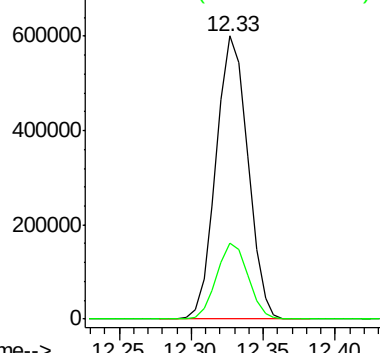
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 45.807 ug/l

RT: 12.14 min Scan# 1707

Delta R.T. 0.00 min

Lab File: VY003139.D

Acq: 08 Jul 2020 16:38

Tgt Ion: 43 Resp: 267200

Ion Ratio Lower Upper

43 100

70 46.5 33.0 49.4

55 24.5 18.2 27.2

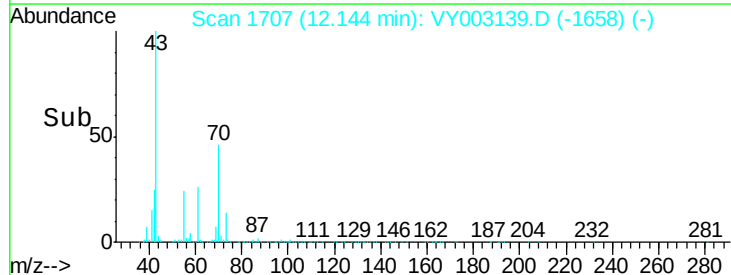
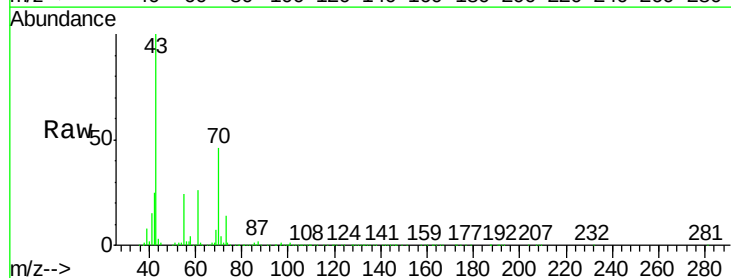
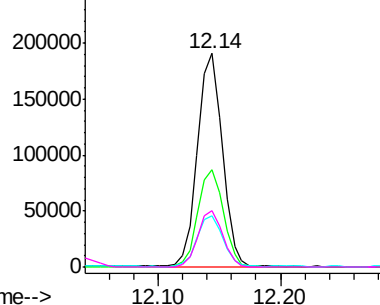
61 26.3 19.4 29.2

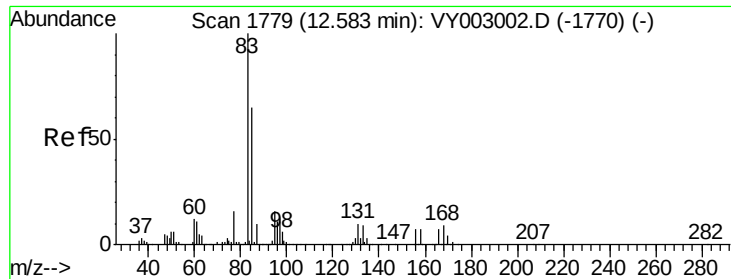
Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 70.00 (69.70 to 70.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

Ion 61.00 (60.70 to 61.70): VY0





#75

1,1,2,2-Tetrachloroethane

Concen: 49.694 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VY003139.D

Acq: 08 Jul 2020 16:38

Instrument :

MSVOA\_Y

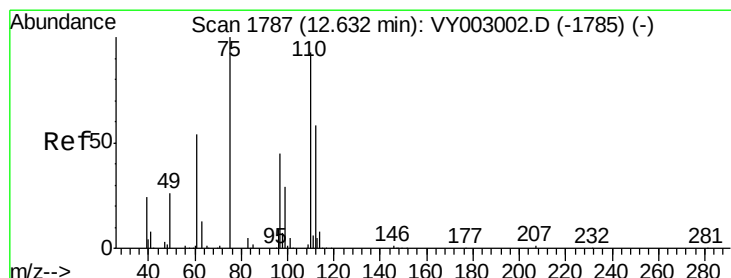
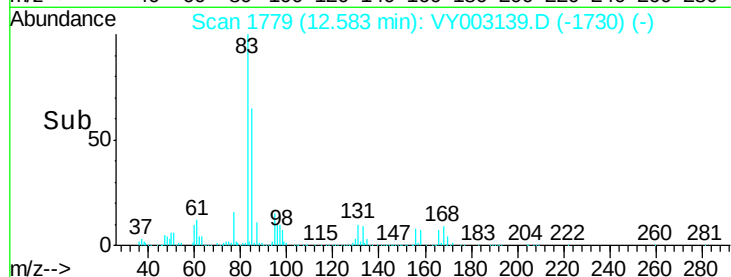
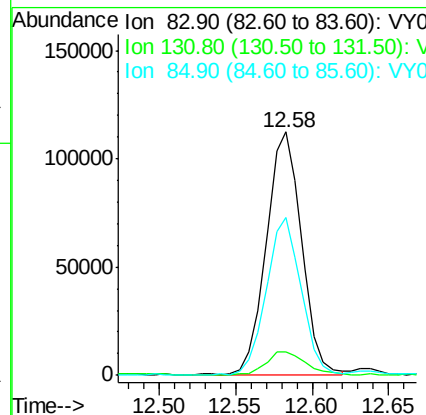
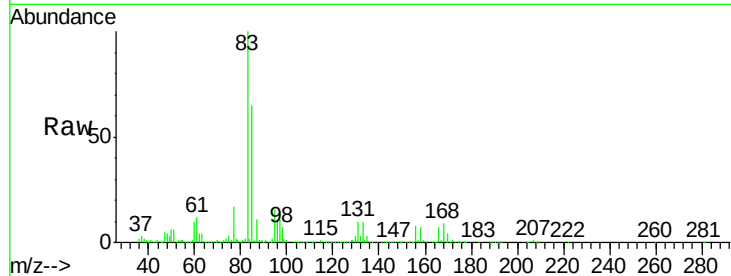
ClientSampleId :

VSTDCCC050EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 83    | Resp: | 179691 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 131       | 10.7  | 5.3   | 16.1   |
| 85        | 63.9  | 32.1  | 96.3   |

Manual Integrations  
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#76

1,2,3-Trichloropropane

Concen: 49.959 ug/l m

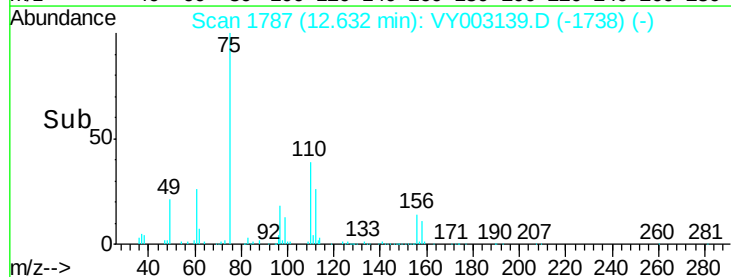
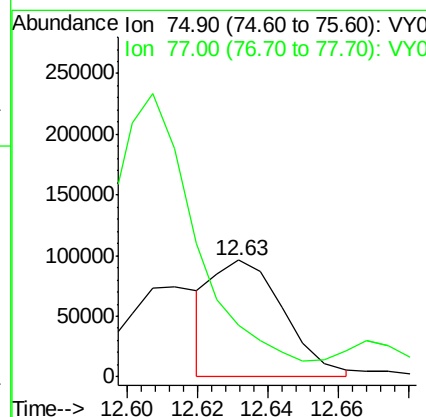
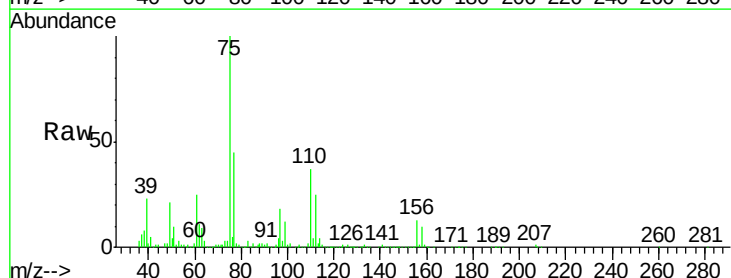
RT: 12.63 min Scan# 1787

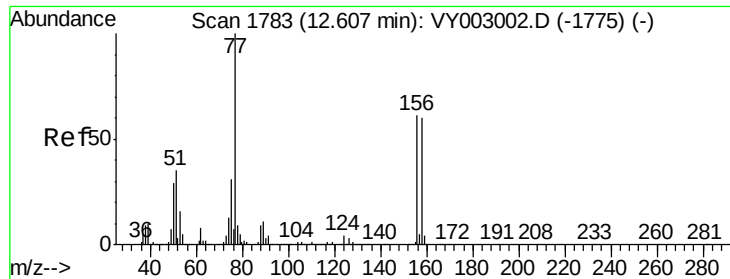
Delta R.T. 0.00 min

Lab File: VY003139.D

Acq: 08 Jul 2020 16:38

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 75    | Resp: | 135372 |
| Ion Ratio | Lower | Upper |        |
| 75        | 100   |       |        |
| 77        | 0.0   | 0.0   | 0.0    |





#77

Bromobenzene

Concen: 52.763 ug/l

RT: 12.61 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VY003139.D

Acq: 08 Jul 2020 16:38

Instrument :

MSVOA\_Y

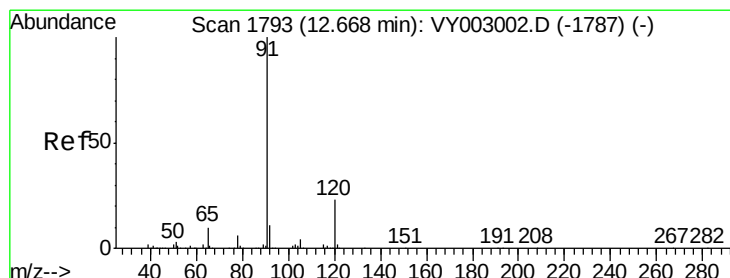
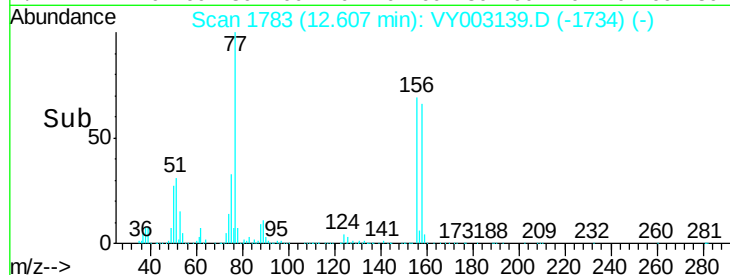
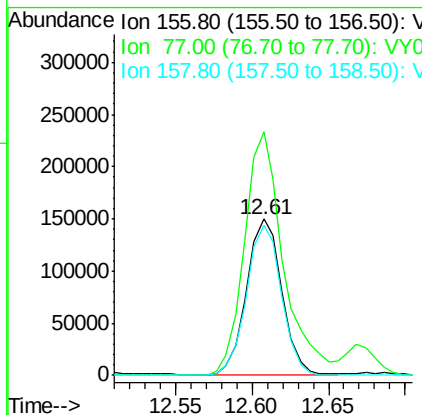
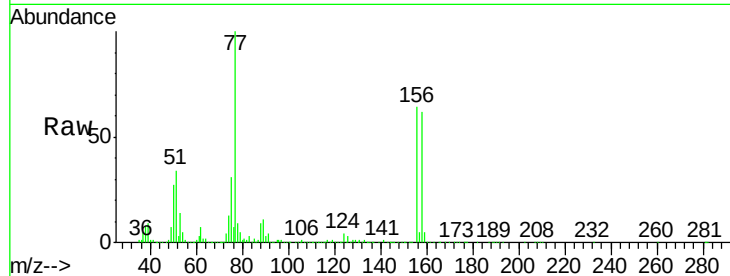
ClientSampleId :

VSTDCCC050EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 156   | Resp: | 242403 |
| Ion Ratio | Lower | Upper |        |
| 156       | 100   |       |        |
| 77        | 168.7 | 90.0  | 270.0  |
| 158       | 94.3  | 48.5  | 145.5  |

Manual Integrations  
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#78

n-propylbenzene

Concen: 50.765 ug/l

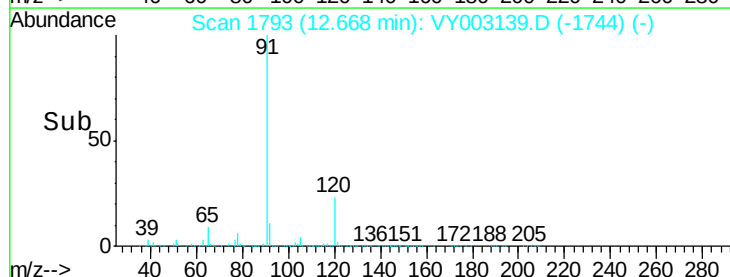
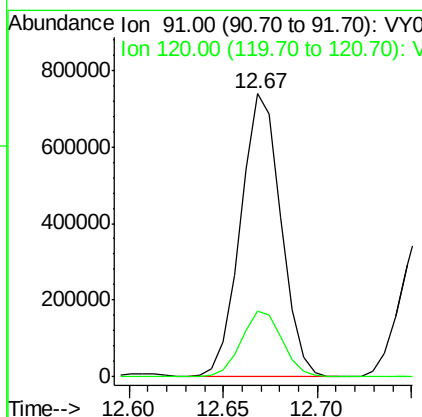
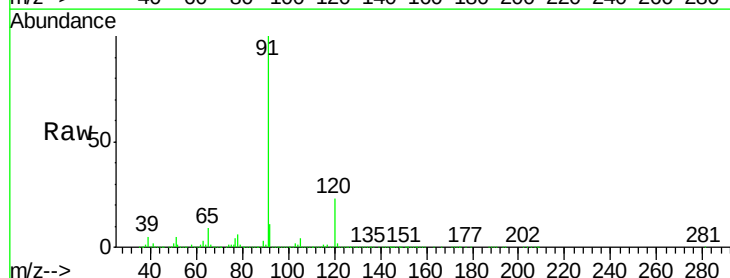
RT: 12.67 min Scan# 1793

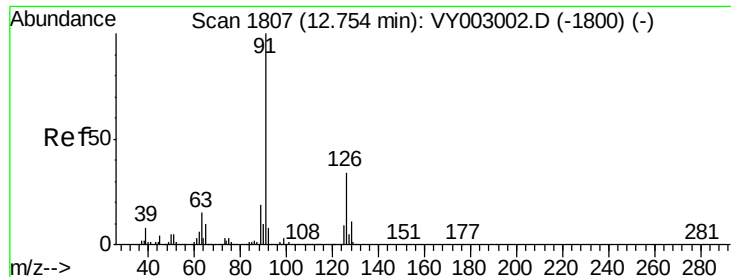
Delta R.T. 0.00 min

Lab File: VY003139.D

Acq: 08 Jul 2020 16:38

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 91    | Resp: | 1093948 |
| Ion Ratio | Lower | Upper |         |
| 91        | 100   |       |         |
| 120       | 23.4  | 11.5  | 34.5    |





#79

2-Chlorotoluene

Concen: 50.080 ug/l

RT: 12.75 min Scan# 1807

Delta R.T. 0.00 min

Lab File: VY003139.D

Acq: 08 Jul 2020 16:38

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 602375

Ion Ratio Lower Upper

91 100

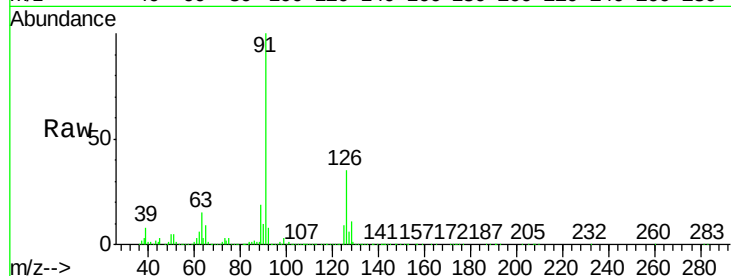
126 35.8 17.1 51.3

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 125.90 (125.60 to 126.60): V

800000

600000

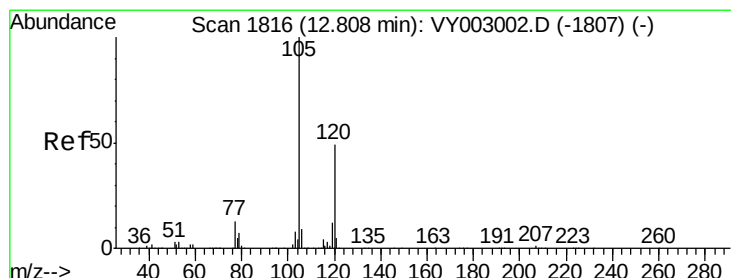
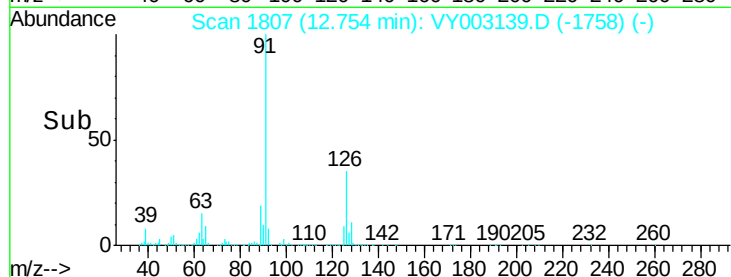
400000

200000

0

12.70 12.75 12.80

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 50.871 ug/l

RT: 12.81 min Scan# 1816

Delta R.T. 0.00 min

Lab File: VY003139.D

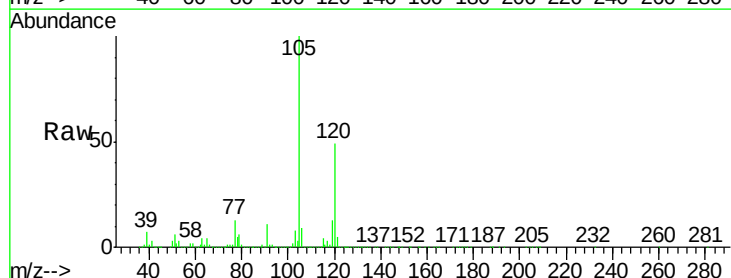
Acq: 08 Jul 2020 16:38

Tgt Ion: 105 Resp: 764893

Ion Ratio Lower Upper

105 100

120 49.9 24.6 73.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

600000

500000

400000

300000

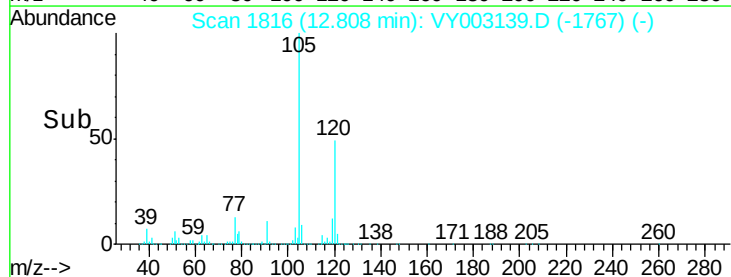
200000

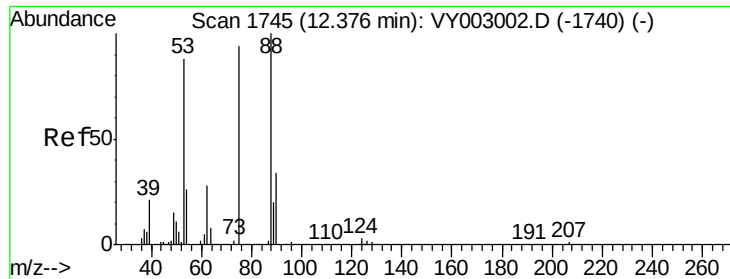
100000

0

12.70 12.80 12.90

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 49.701 ug/l

RT: 12.38 min Scan# 1745

Delta R.T. 0.00 min

Lab File: VY003139.D

Acq: 08 Jul 2020 16:38

Instrument :

MSVOA\_Y

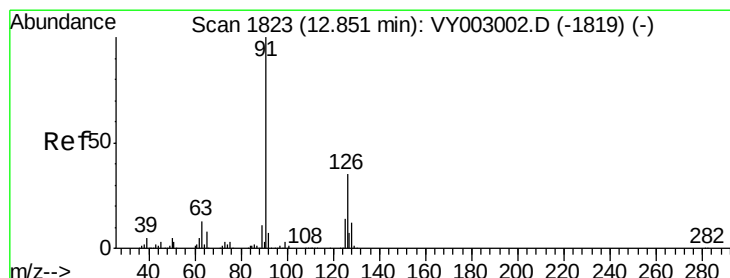
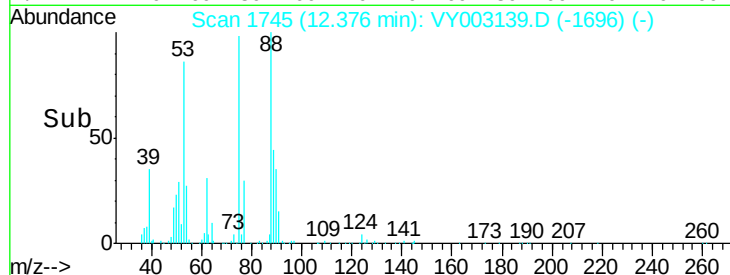
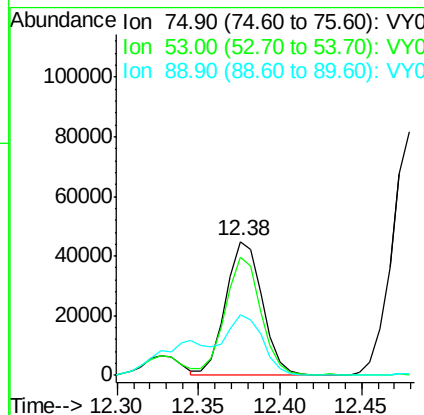
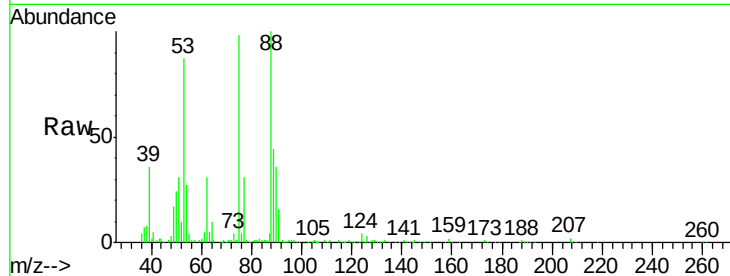
ClientSampleId :

VSTDCCC050EC

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 75    | Resp: | 69219 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 53       | 87.0  | 73.9  | 110.9 |
| 89       | 46.1  | 37.5  | 56.3  |

Manual Integrations  
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7/9/2020 10:48:56 AM



#82

4-Chlorotoluene

Concen: 50.726 ug/l

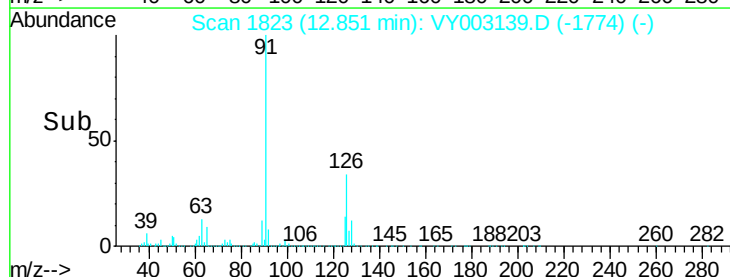
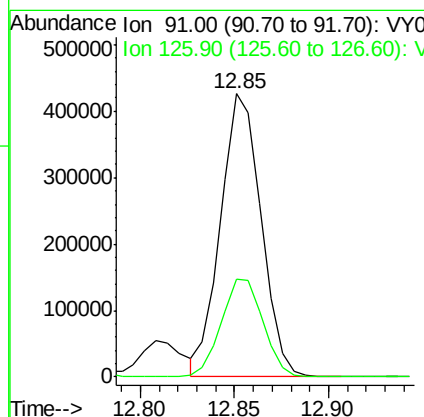
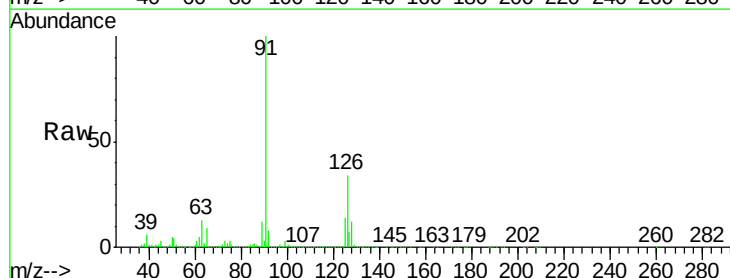
RT: 12.85 min Scan# 1823

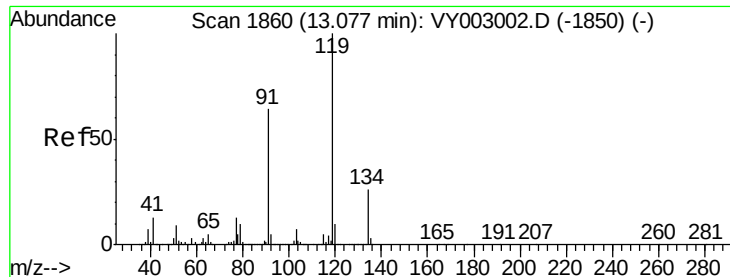
Delta R.T. 0.00 min

Lab File: VY003139.D

Acq: 08 Jul 2020 16:38

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 91    | Resp: | 635251 |
| Ion      | Ratio | Lower | Upper  |
| 91       | 100   |       |        |
| 126      | 35.8  | 17.4  | 52.3   |





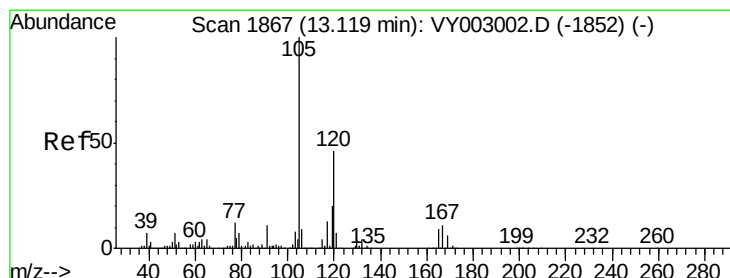
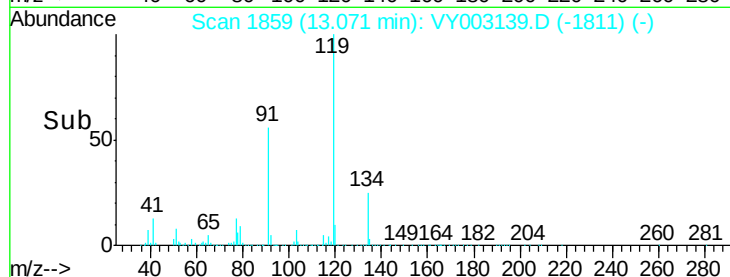
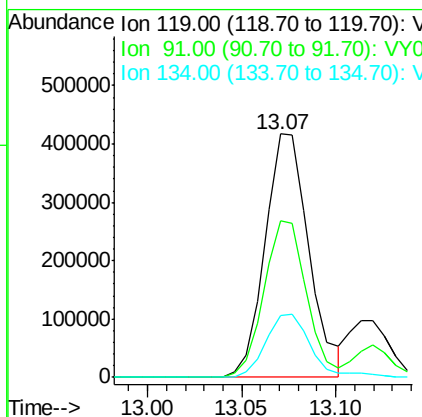
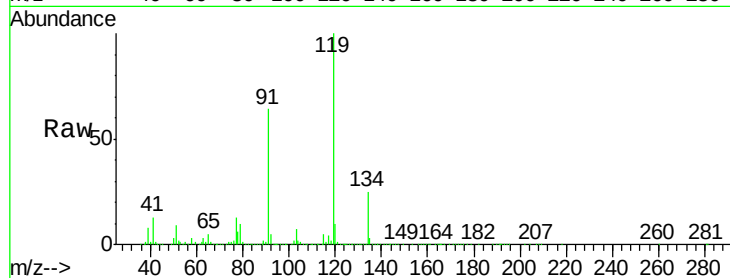
#83  
tert-Butylbenzene  
Concen: 50.989 ug/l  
RT: 13.07 min Scan# 1859  
Delta R.T. -0.01 min  
Lab File: VY003139.D  
Acq: 08 Jul 2020 16:38

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 91      | 62.3  | 31.6  | 95.0  |
| 134     | 26.7  | 13.2  | 39.5  |

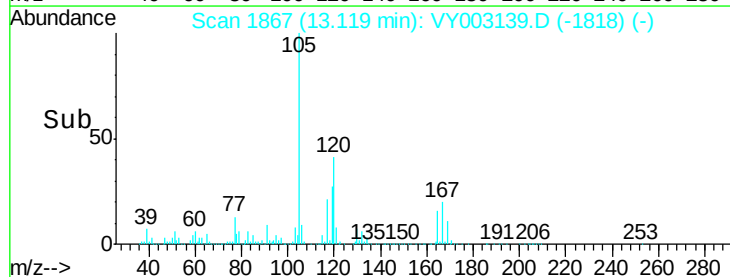
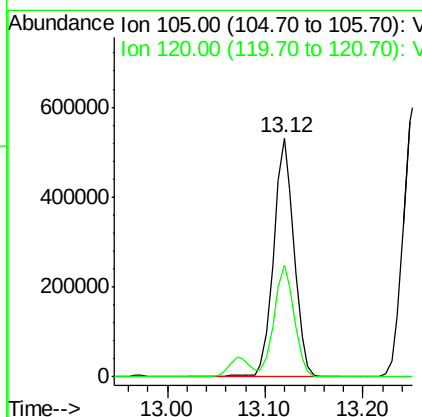
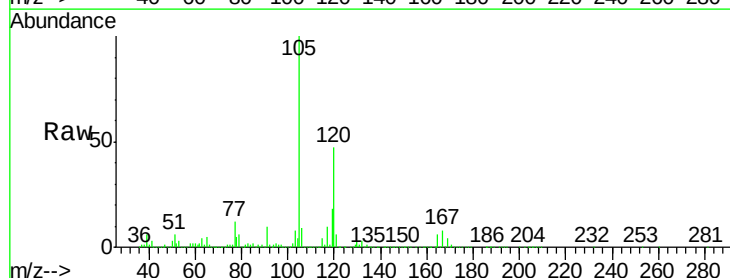
Manual Integrations  
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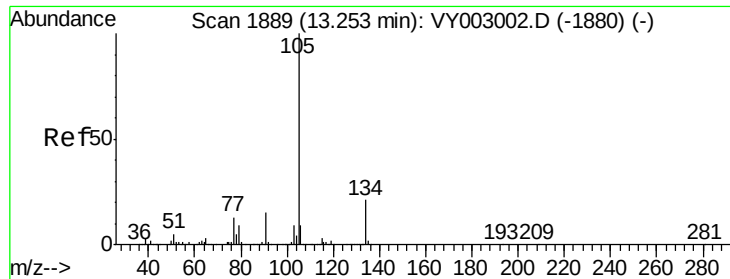
MMDadoda  
7/9/2020 10:48:56 AM



#84  
1,2,4-Trimethylbenzene  
Concen: 51.267 ug/l  
RT: 13.12 min Scan# 1867  
Delta R.T. 0.00 min  
Lab File: VY003139.D  
Acq: 08 Jul 2020 16:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 46.3  | 22.6  | 67.8  |





#85

sec-Butylbenzene

Concen: 51.470 ug/l

RT: 13.25 min Scan# 1889

Delta R.T. 0.00 min

Lab File: VY003139.D

Acq: 08 Jul 2020 16:38

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 936643

Ion Ratio Lower Upper

105 100

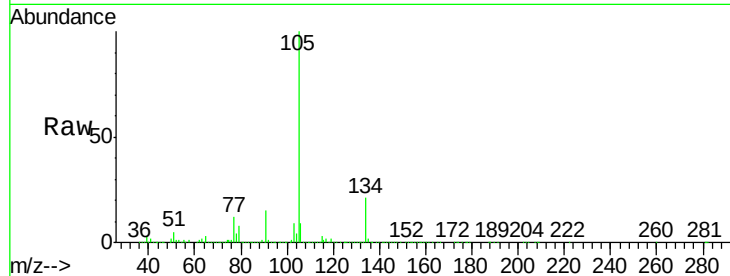
134 20.9 10.4 31.2

Manual Integrations

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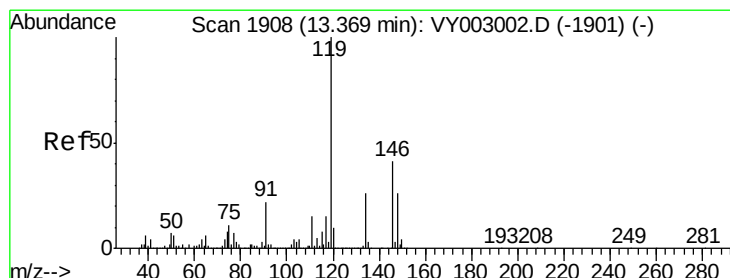
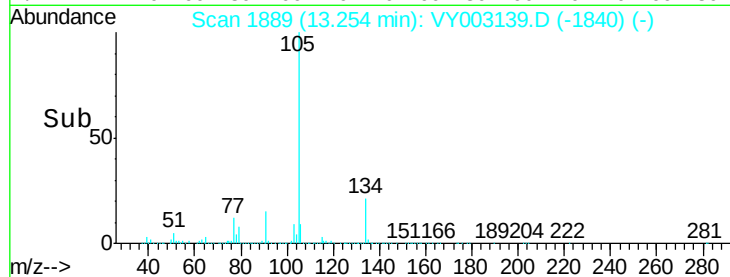
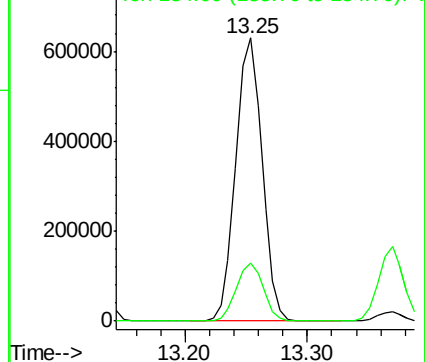
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 51.146 ug/l

RT: 13.37 min Scan# 1908

Delta R.T. 0.00 min

Lab File: VY003139.D

Acq: 08 Jul 2020 16:38

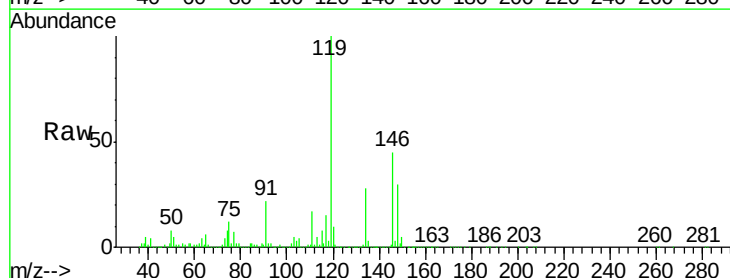
Tgt Ion:119 Resp: 862446

Ion Ratio Lower Upper

119 100

134 27.4 13.5 40.4

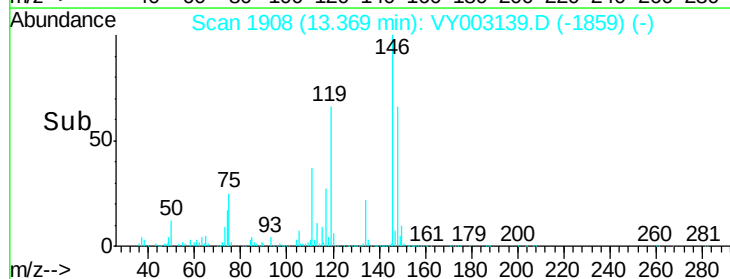
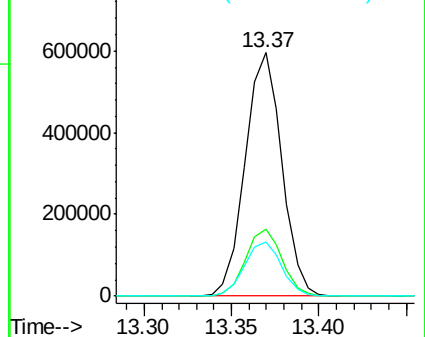
91 22.5 11.5 34.5



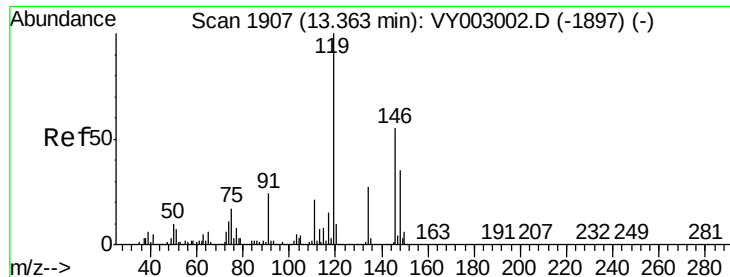
Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0







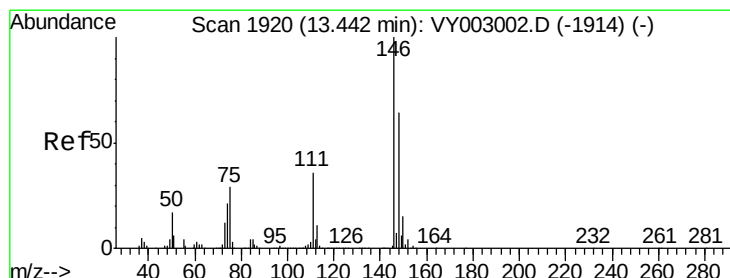
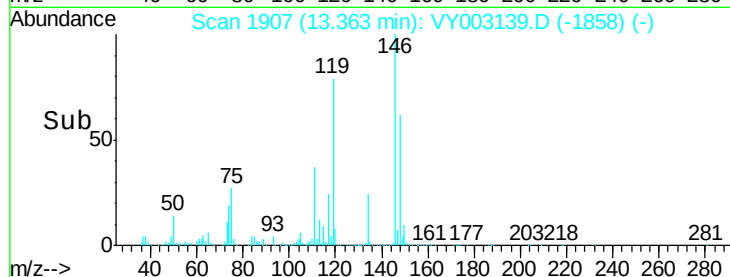
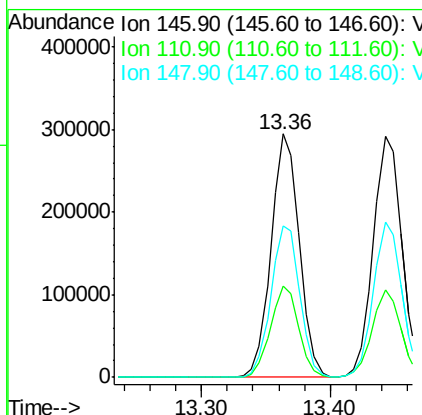
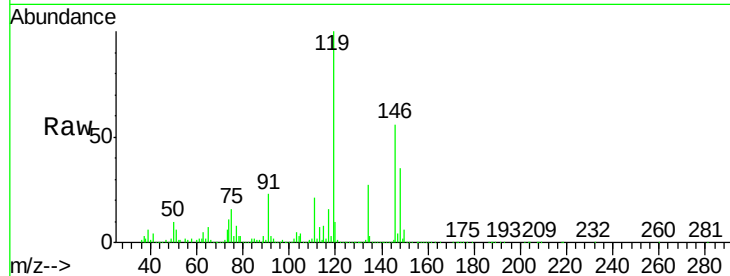
#87  
 1,3-Dichlorobenzene  
 Concen: 52.582 ug/l  
 RT: 13.36 min Scan# 1907  
 Delta R.T. 0.00 min  
 Lab File: VY003139.D  
 Acq: 08 Jul 2020 16:38

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 146     | 100   | 451010 |       |       |
| 111     | 37.3  | 18.8   | 56.3  |       |
| 148     | 63.8  | 31.8   | 95.3  |       |

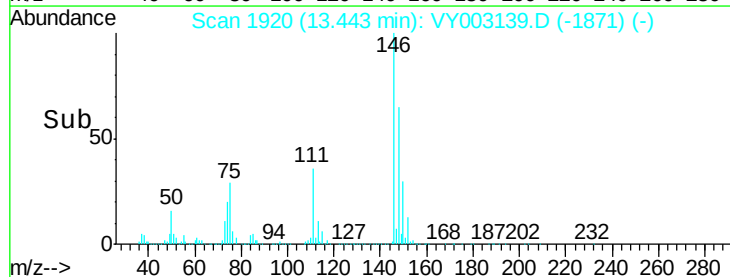
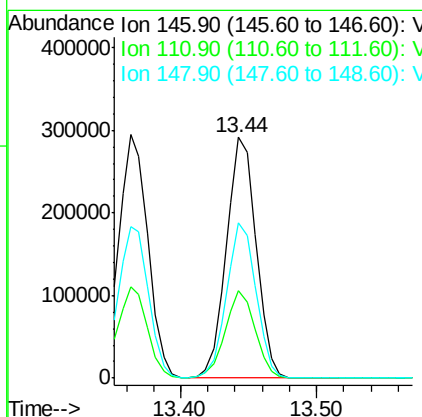
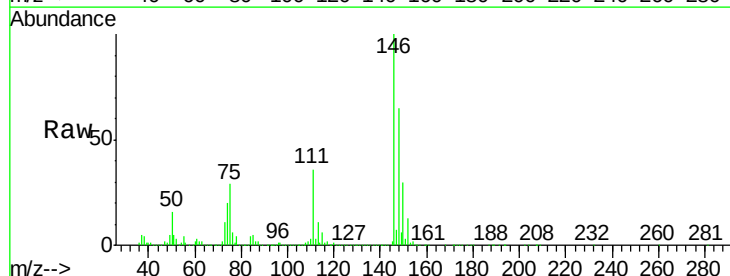
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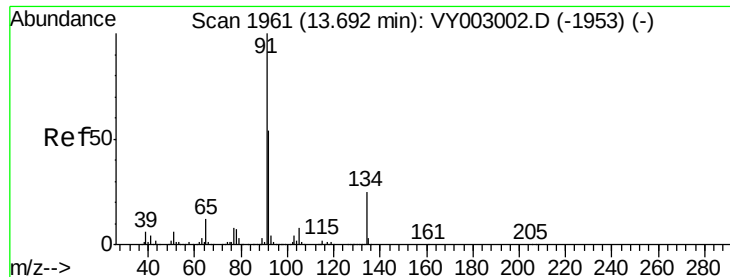
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#88  
 1,4-Dichlorobenzene  
 Concen: 52.259 ug/l  
 RT: 13.44 min Scan# 1920  
 Delta R.T. 0.00 min  
 Lab File: VY003139.D  
 Acq: 08 Jul 2020 16:38

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 146     | 100   | 441997 |       |       |
| 111     | 36.2  | 18.4   | 55.4  |       |
| 148     | 64.2  | 32.3   | 96.9  |       |





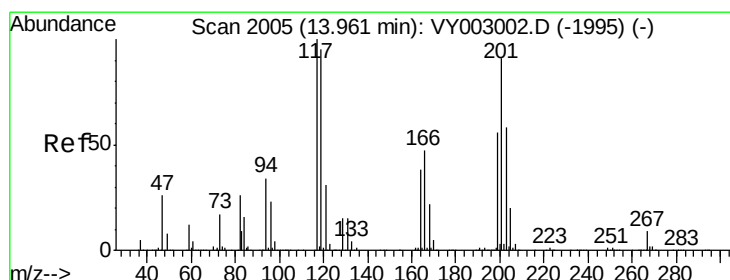
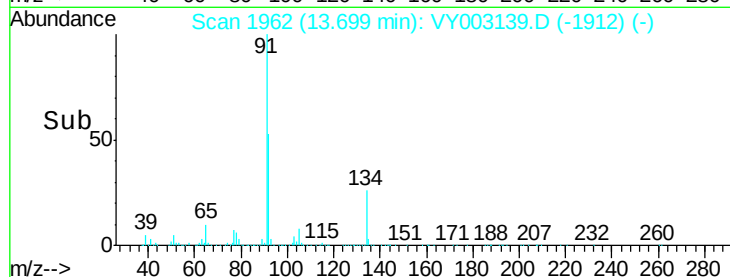
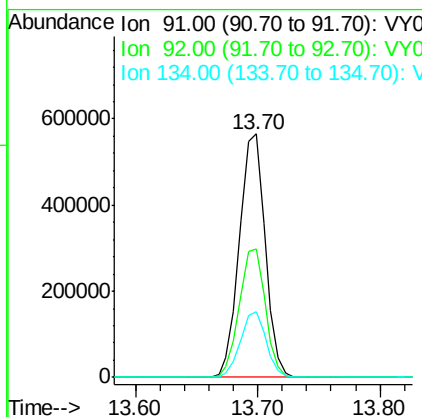
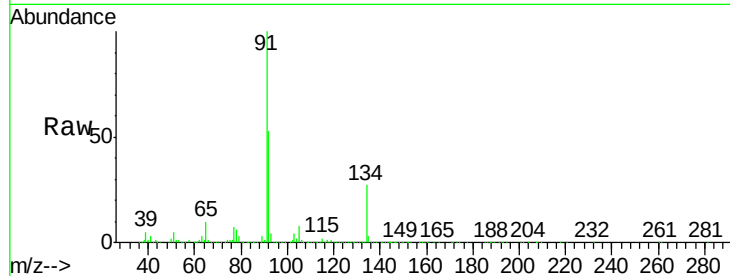
#89  
n-Butylbenzene  
Concen: 50.994 ug/l  
RT: 13.70 min Scan# 1962  
Delta R.T. 0.01 min  
Lab File: VY003139.D  
Acq: 08 Jul 2020 16:38

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 53.4  | 26.8  | 80.3  |
| 134     | 26.8  | 13.1  | 39.1  |

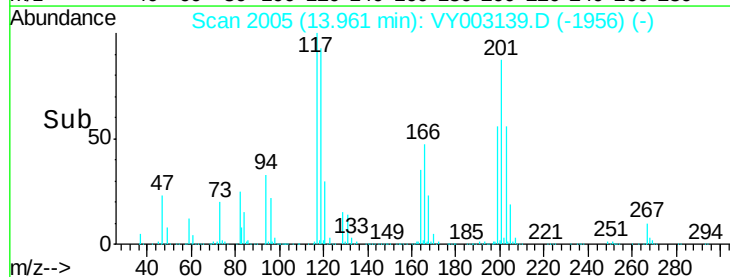
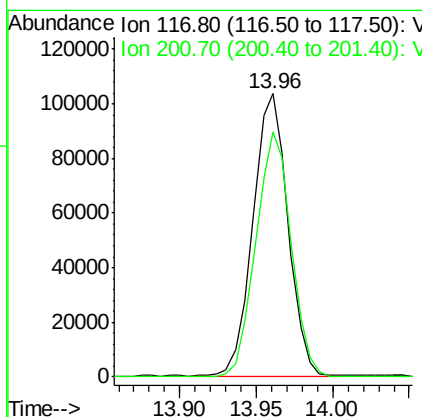
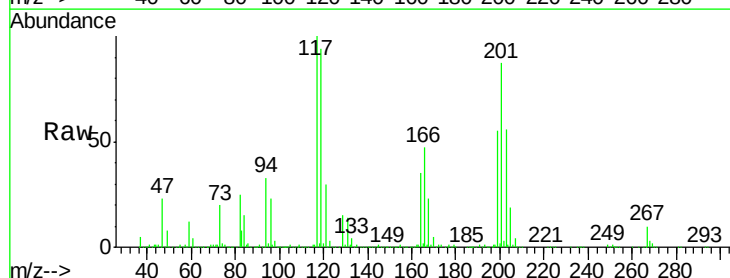
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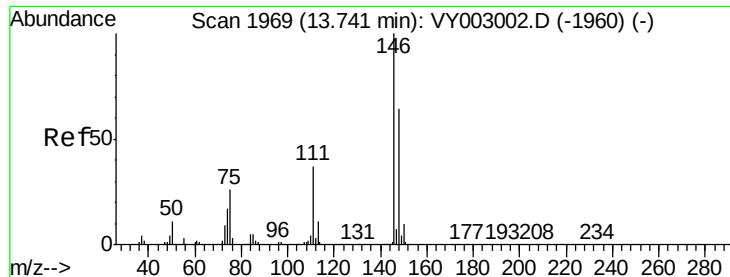
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#90  
Hexachloroethane  
Concen: 49.136 ug/l  
RT: 13.96 min Scan# 2005  
Delta R.T. 0.00 min  
Lab File: VY003139.D  
Acq: 08 Jul 2020 16:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 87.3  | 45.5  | 136.4 |





#91

1,2-Dichlorobenzene

Concen: 52.185 ug/l

RT: 13.74 min Scan# 1968

Delta R.T. -0.01 min

Lab File: VY003139.D

Acq: 08 Jul 2020 16:38

Instrument :

MSVOA\_Y

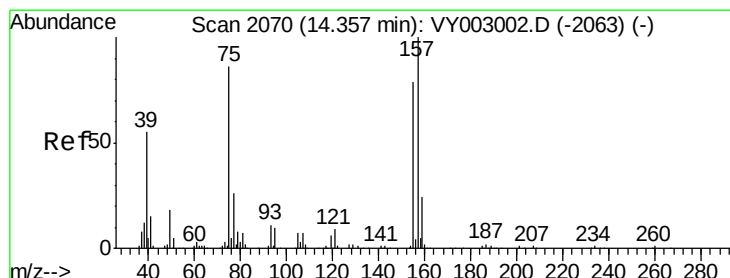
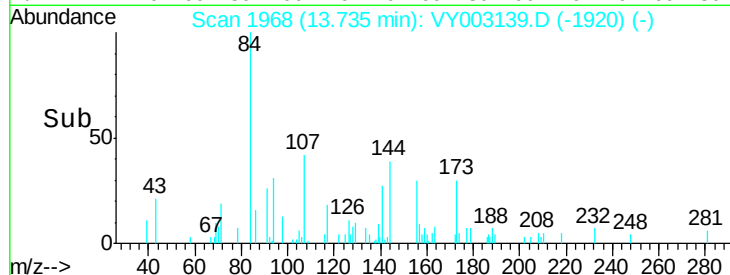
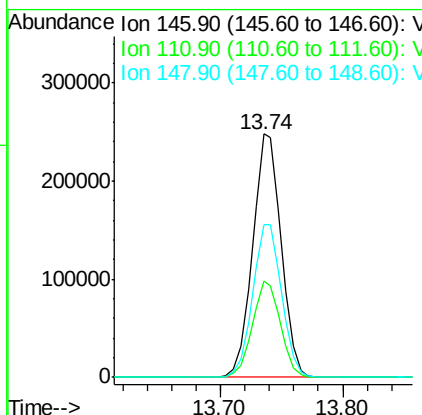
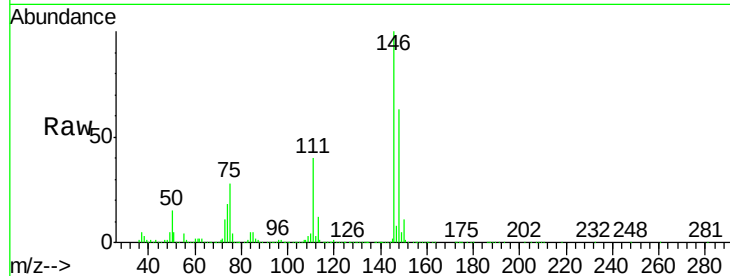
ClientSampleId :

VSTDCCC050EC

|           |      |       |        |
|-----------|------|-------|--------|
| Tot Ion:  | 146  | Resp: | 401592 |
| Ion Ratio |      | Lower | Upper  |
| 146       | 100  |       |        |
| 111       | 38.8 | 19.1  | 57.5   |
| 148       | 63.9 | 31.8  | 95.3   |

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#92

1,2-Dibromo-3-Chloropropane

Concen: 50.754 ug/l

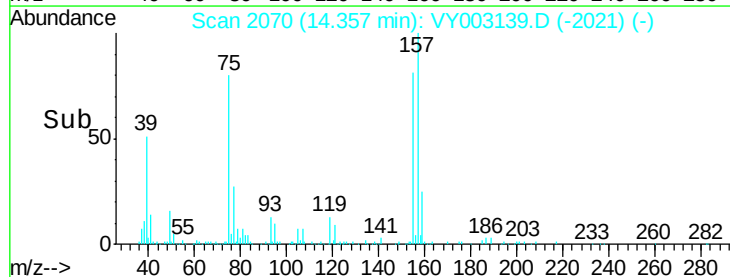
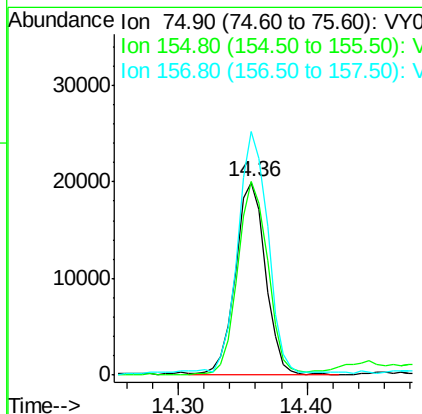
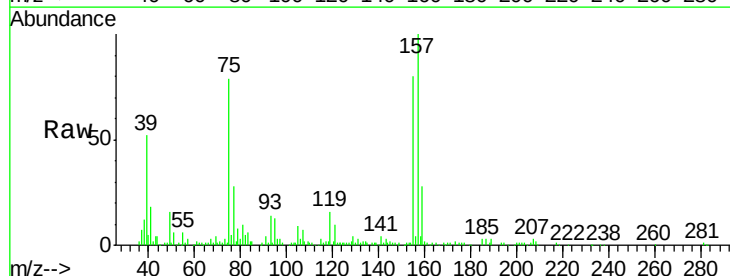
RT: 14.36 min Scan# 2070

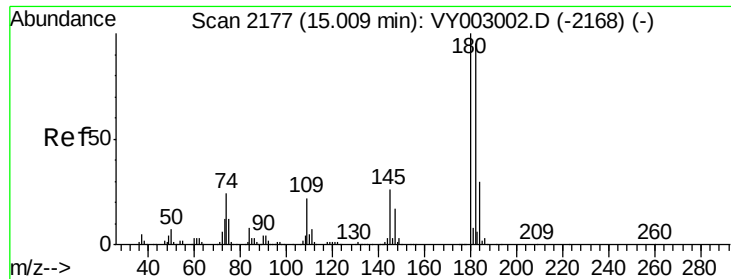
Delta R.T. 0.00 min

Lab File: VY003139.D

Acq: 08 Jul 2020 16:38

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 32488 |
| Ion Ratio |       | Lower | Upper |
| 75        | 100   |       |       |
| 155       | 100.4 | 46.5  | 139.3 |
| 157       | 125.8 | 59.2  | 177.5 |





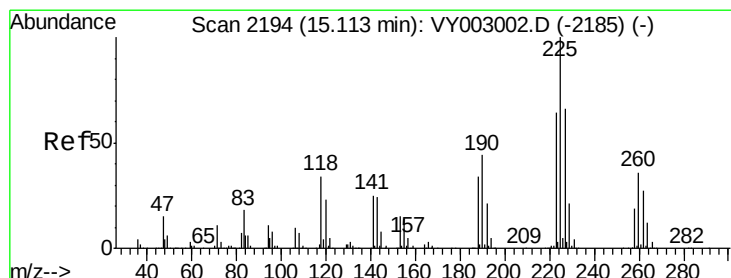
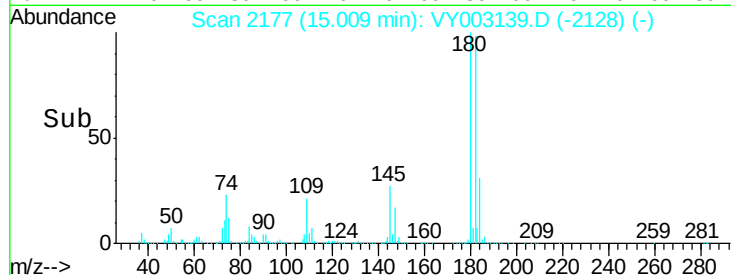
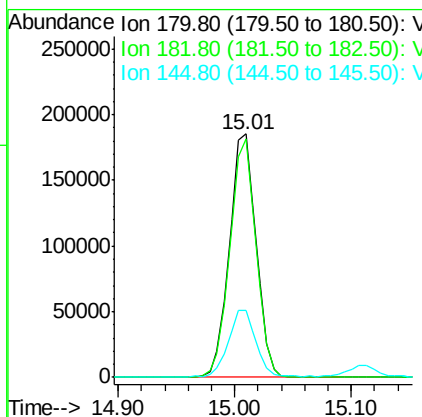
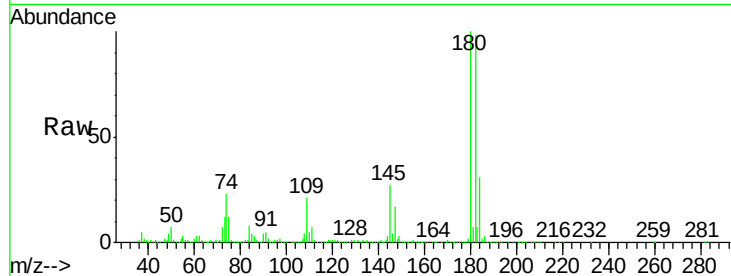
#93  
 1,2,4-Trichlorobenzene  
 Concen: 51.640 ug/l  
 RT: 15.01 min Scan# 2177  
 Delta R.T. 0.00 min  
 Lab File: VY003139.D  
 Acq: 08 Jul 2020 16:38

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 295294 |       |       |
| 182     | 95.8  | 48.1   | 144.3 |       |
| 145     | 27.9  | 13.9   | 41.6  |       |

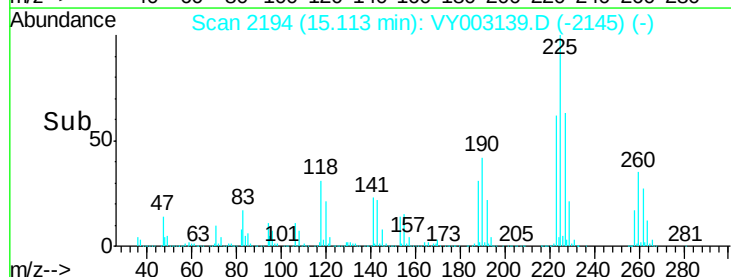
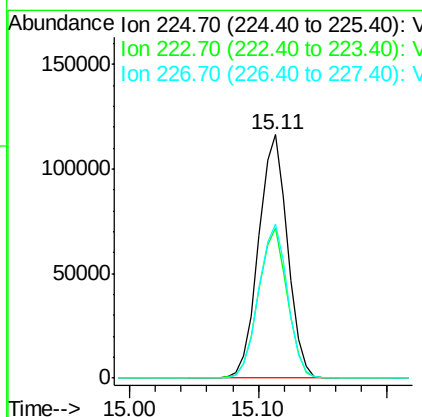
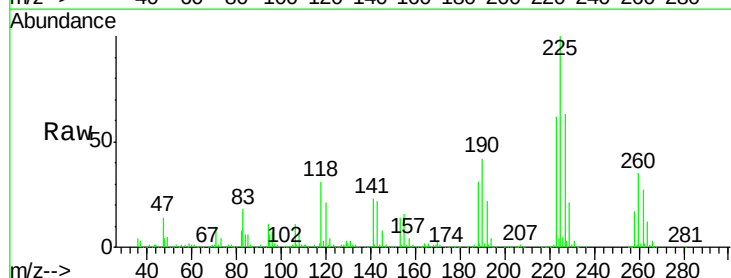
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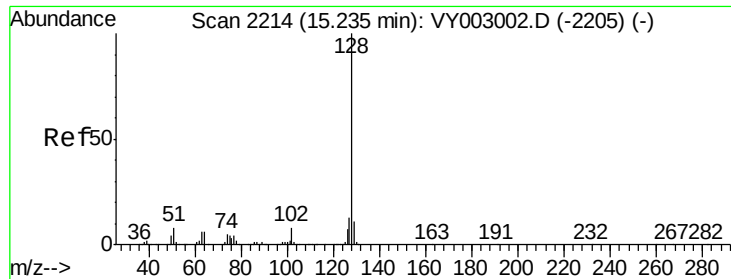
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#94  
 Hexachlorobutadiene  
 Concen: 49.739 ug/l  
 RT: 15.11 min Scan# 2194  
 Delta R.T. 0.00 min  
 Lab File: VY003139.D  
 Acq: 08 Jul 2020 16:38

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 225     | 100   | 179405 |       |       |
| 223     | 61.7  | 32.4   | 97.0  |       |
| 227     | 63.2  | 32.4   | 97.2  |       |





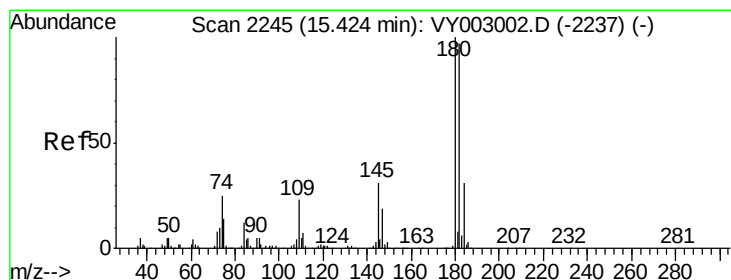
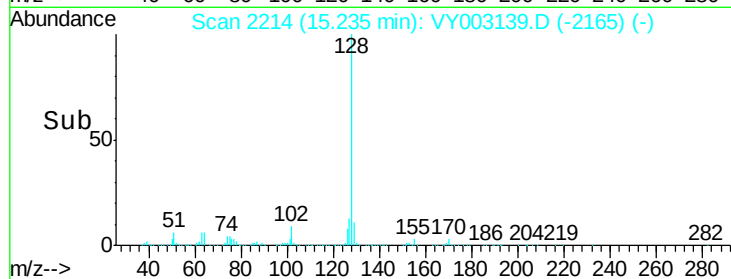
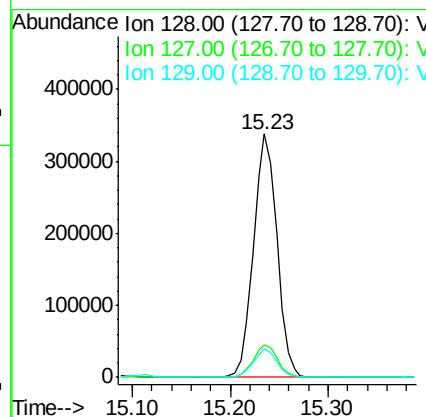
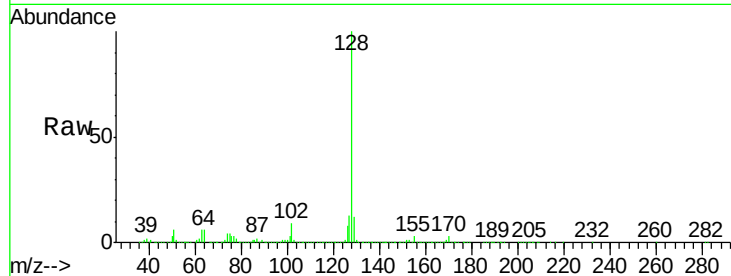
#95  
Naphthalene  
Concen: 53.652 ug/l  
RT: 15.23 min Scan# 2214  
Delta R.T. 0.00 min  
Lab File: VY003139.D  
Acq: 08 Jul 2020 16:38

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 13.7  | 10.8  | 16.2  |
| 129     | 11.4  | 8.8   | 13.2  |

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#96  
1,2,3-Trichlorobenzene  
Concen: 50.831 ug/l  
RT: 15.42 min Scan# 2245  
Delta R.T. 0.00 min  
Lab File: VY003139.D  
Acq: 08 Jul 2020 16:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 95.2  | 47.8  | 143.3 |
| 145     | 28.8  | 14.7  | 44.1  |

