

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_Y\DATA\VY103019\  
 Data File : VY000483.D  
 Acq On : 30 Oct 2019 10:39  
 Operator : SY/MD  
 Sample : VSTDIC005  
 Misc : 5.00G/5ML/MSVOA\_Y/SOIL  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDIC005

Manual Integrations  
 APPROVED

MMDadoda  
 10/31/2019 11:30:37 AM

Quant Time: Oct 30 13:20:15 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y103019S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Oct 30 13:10:11 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.80  | 168  | 233200   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.70  | 114  | 385175   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.49 | 117  | 347618   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.42 | 152  | 165272   | 50.00 | ug/l  | 0.00     |

|                             |        |     |          |      |       |      |
|-----------------------------|--------|-----|----------|------|-------|------|
| System Monitoring Compounds |        |     |          |      |       |      |
| 33) 1,2-Dichloroethane-d4   | 8.16   | 65  | 10688    | 4.43 | ug/l  | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =    | 8.86% |      |
| 35) Dibromofluoromethane    | 7.73   | 113 | 10085    | 4.46 | ug/l  | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =    | 8.92% |      |
| 50) Toluene-d8              | 10.18  | 98  | 37287    | 4.35 | ug/l  | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =    | 8.70% |      |
| 62) 4-Bromofluorobenzene    | 12.48  | 95  | 14278    | 4.37 | ug/l  | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =    | 8.74% |      |

| Target Compounds              |      |     |        |        | Qvalue    |
|-------------------------------|------|-----|--------|--------|-----------|
| 2) Dichlorodifluoromethane    | 1.90 | 85  | 10285  | 4.480  | ug/l 94   |
| 3) Chloromethane              | 2.11 | 50  | 15049  | 4.759  | ug/l 93   |
| 4) Vinyl Chloride             | 2.26 | 62  | 13369  | 4.553  | ug/l 94   |
| 5) Bromomethane               | 2.65 | 94  | 9135   | 5.187  | ug/l 97   |
| 6) Chloroethane               | 2.79 | 64  | 8905   | 4.845  | ug/l # 83 |
| 7) Trichlorofluoromethane     | 3.13 | 101 | 19190  | 4.839  | ug/l 97   |
| 8) Diethyl Ether              | 3.54 | 74  | 7225   | 5.127  | ug/l 100  |
| 9) 1,1,2-Trichlorotrifluoroet | 3.91 | 101 | 11969  | 4.992  | ug/l 97   |
| 10) Methyl Iodide             | 4.09 | 142 | 11082  | 3.919  | ug/l 99   |
| 11) Tert butyl alcohol        | 4.97 | 59  | 7013   | 29.853 | ug/l # 81 |
| 12) 1,1-Dichloroethene        | 3.88 | 96  | 10543  | 4.526  | ug/l 92   |
| 13) Acrolein                  | 3.74 | 56  | 5906   | 28.862 | ug/l 98   |
| 14) Allyl chloride            | 4.49 | 41  | 16127  | 4.258  | ug/l 90   |
| 15) Acrylonitrile             | 5.18 | 53  | 17068  | 23.644 | ug/l 90   |
| 16) Acetone                   | 3.96 | 43  | 16966  | 25.507 | ug/l 99   |
| 17) Carbon Disulfide          | 4.19 | 76  | 32323  | 4.399  | ug/l 98   |
| 18) Methyl Acetate            | 4.48 | 43  | 12447  | 6.018  | ug/l 94   |
| 19) Methyl tert-butyl Ether   | 5.24 | 73  | 31562  | 4.873  | ug/l # 86 |
| 20) Methylene Chloride        | 4.72 | 84  | 16879  | 5.922  | ug/l 95   |
| 21) trans-1,2-Dichloroethene  | 5.22 | 96  | 12420  | 4.716  | ug/l 92   |
| 22) Diisopropyl ether         | 6.13 | 45  | 36762  | 4.465  | ug/l # 86 |
| 23) Vinyl Acetate             | 6.07 | 43  | 110077 | 21.181 | ug/l 99   |
| 24) 1,1-Dichloroethane        | 6.02 | 63  | 21907  | 4.912  | ug/l 96   |
| 25) 2-Butanone                | 7.00 | 43  | 27087  | 25.517 | ug/l 98   |
| 26) 2,2-Dichloropropane       | 6.99 | 77  | 21739  | 5.334  | ug/l 92   |
| 27) cis-1,2-Dichloroethene    | 7.00 | 96  | 13801  | 4.793  | ug/l 99   |
| 28) Bromochloromethane        | 7.34 | 49  | 10835  | 6.015  | ug/l 94   |
| 29) Tetrahydrofuran           | 7.36 | 42  | 15564  | 23.967 | ug/l 97   |
| 30) Chloroform                | 7.52 | 83  | 22368  | 4.958  | ug/l 89   |
| 31) Cyclohexane               | 7.79 | 56  | 25436  | 5.445  | ug/l # 88 |
| 32) 1,1,1-Trichloroethane     | 7.72 | 97  | 19685  | 4.895  | ug/l 96   |
| 36) 1,1-Dichloropropene       | 7.92 | 75  | 18149  | 4.984  | ug/l 98   |
| 37) Ethyl Acetate             | 7.08 | 43  | 10366  | 4.795  | ug/l # 94 |
| 38) Carbon Tetrachloride      | 7.91 | 117 | 16442  | 4.693  | ug/l # 90 |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_Y\DATA\VY103019\  
 Data File : VY000483.D  
 Acq On : 30 Oct 2019 10:39  
 Operator : SY/MD  
 Sample : VSTDIC005  
 Misc : 5.00G/5ML/MSVOA\_Y/SOIL  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDIC005

Manual Integrations  
 APPROVED

MMDadoda  
 10/31/2019 11:30:37 AM

Quant Time: Oct 30 13:20:15 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y103019S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Oct 30 13:10:11 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| 39) Methylcyclohexane          | 9.19  | 83   | 22136    | 4.706  | ug/l   | 96       |
| 40) Benzene                    | 8.17  | 78   | 51125    | 4.789  | ug/l   | 96       |
| 41) Methacrylonitrile          | 7.33  | 41   | 5200m    | 4.313  | ug/l   |          |
| 42) 1,2-Dichloroethane         | 8.25  | 62   | 14383    | 4.750  | ug/l   | 98       |
| 43) Isopropyl Acetate          | 8.28  | 43   | 20152    | 4.962  | ug/l # | 81       |
| 44) Trichloroethene            | 8.95  | 130  | 14083    | 5.003  | ug/l   | 84       |
| 45) 1,2-Dichloropropane        | 9.22  | 63   | 13268    | 5.050  | ug/l   | 96       |
| 46) Dibromomethane             | 9.31  | 93   | 6914     | 4.785  | ug/l   | 99       |
| 47) Bromodichloromethane       | 9.50  | 83   | 15738    | 4.590  | ug/l   | 94       |
| 48) Methyl methacrylate        | 9.30  | 41   | 7832     | 4.414  | ug/l   | 98       |
| 49) 1,4-Dioxane                | 9.31  | 88   | 1808     | 92.970 | ug/l # | 79       |
| 51) 4-Methyl-2-Pentanone       | 10.07 | 43   | 49881    | 23.102 | ug/l   | 97       |
| 52) Toluene                    | 10.25 | 92   | 30427    | 4.508  | ug/l   | 93       |
| 53) t-1,3-Dichloropropene      | 10.47 | 75   | 16280    | 4.444  | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene    | 9.93  | 75   | 18620    | 4.437  | ug/l # | 84       |
| 55) 1,1,2-Trichloroethane      | 10.64 | 97   | 10569    | 5.057  | ug/l   | 91       |
| 56) Ethyl methacrylate         | 10.51 | 69   | 12446    | 4.202  | ug/l # | 88       |
| 57) 1,3-Dichloropropane        | 10.79 | 76   | 17227    | 4.710  | ug/l   | 92       |
| 58) 2-Chloroethyl Vinyl ether  | 9.79  | 63   | 34734    | 25.937 | ug/l   | 94       |
| 59) 2-Hexanone                 | 10.83 | 43   | 36075    | 22.932 | ug/l   | 96       |
| 60) Dibromochloromethane       | 10.99 | 129  | 10624    | 4.438  | ug/l   | 98       |
| 61) 1,2-Dibromoethane          | 11.09 | 107  | 9428     | 4.692  | ug/l   | 93       |
| 64) Tetrachloroethene          | 10.72 | 164  | 13941    | 4.850  | ug/l   | 94       |
| 65) Chlorobenzene              | 11.52 | 112  | 33079    | 4.693  | ug/l   | 94       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.60 | 131  | 10869    | 4.447  | ug/l   | 93       |
| 67) Ethyl Benzene              | 11.59 | 91   | 58403    | 4.503  | ug/l   | 97       |
| 68) m/p-Xylenes                | 11.70 | 106  | 47049    | 9.372  | ug/l   | 97       |
| 69) o-Xylene                   | 12.03 | 106  | 21753    | 4.610  | ug/l   | 96       |
| 70) Styrene                    | 12.04 | 104  | 35529    | 4.397  | ug/l   | 99       |
| 71) Bromoform                  | 12.20 | 173  | 6071     | 4.318  | ug/l # | 95       |
| 73) Isopropylbenzene           | 12.33 | 105  | 58172    | 4.762  | ug/l   | 100      |
| 74) N-amyl acetate             | 12.14 | 43   | 14806    | 4.232  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.58 | 83   | 11556    | 4.778  | ug/l   | 97       |
| 76) 1,2,3-Trichloropropane     | 12.63 | 75   | 8453m    | 2.766  | ug/l   |          |
| 77) Bromobenzene               | 12.61 | 156  | 13809    | 4.985  | ug/l   | 96       |
| 78) n-propylbenzene            | 12.67 | 91   | 67992    | 4.613  | ug/l   | 98       |
| 79) 2-Chlorotoluene            | 12.75 | 91   | 39320    | 4.806  | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene     | 12.81 | 105  | 46492    | 4.570  | ug/l   | 97       |
| 81) trans-1,4-Dichloro-2-buten | 12.38 | 75   | 3465     | 4.128  | ug/l   | 87       |
| 82) 4-Chlorotoluene            | 12.85 | 91   | 39185    | 4.620  | ug/l   | 96       |
| 83) tert-Butylbenzene          | 13.07 | 119  | 39998    | 4.605  | ug/l   | 97       |
| 84) 1,2,4-Trimethylbenzene     | 13.12 | 105  | 47726    | 4.712  | ug/l   | 99       |
| 85) sec-Butylbenzene           | 13.25 | 105  | 57520    | 4.648  | ug/l   | 99       |
| 86) p-Isopropyltoluene         | 13.36 | 119  | 51682    | 4.686  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene        | 13.36 | 146  | 27370    | 5.045  | ug/l   | 97       |
| 88) 1,4-Dichlorobenzene        | 13.44 | 146  | 26754    | 4.935  | ug/l   | 93       |
| 89) n-Butylbenzene             | 13.69 | 91   | 50729    | 4.663  | ug/l   | 98       |
| 90) Hexachloroethane           | 13.95 | 117  | 9287     | 4.555  | ug/l   | 98       |
| 91) 1,2-Dichlorobenzene        | 13.73 | 146  | 23595    | 4.793  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.35 | 75   | 2117     | 4.946  | ug/l   | 96       |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_Y\DATA\VY103019\  
Data File : VY000483.D  
Acq On : 30 Oct 2019 10:39  
Operator : SY/MD  
Sample : VSTDICC005  
Misc : 5.00G/5ML/MSVOA\_Y/SOIL  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDICC005

Manual Integrations  
APPROVED

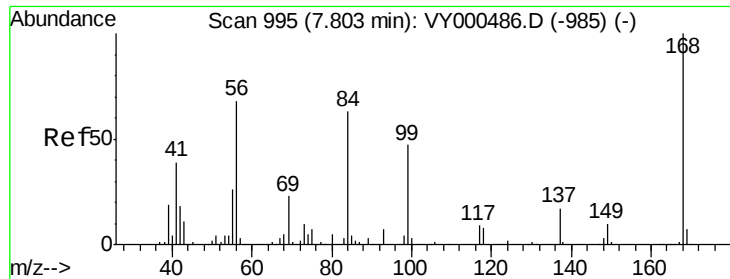
MMDadoda  
10/31/2019 11:30:37 AM

Quant Time: Oct 30 13:20:15 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y103019S.M  
Quant Title : SW846 8260  
QLast Update : Wed Oct 30 13:10:11 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 15.00 | 180  | 16682    | 4.977 | ug/l  | 99       |
| 94) Hexachlorobutadiene    | 15.11 | 225  | 8314     | 4.812 | ug/l  | 96       |
| 95) Naphthalene            | 15.23 | 128  | 36170    | 4.861 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 15.42 | 180  | 15077    | 5.014 | ug/l  | 96       |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.00 min

Lab File: VY000483.D

Acq: 30 Oct 2019 10:39

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDIC005

Tgt Ion: 168 Resp: 233200

Ion Ratio Lower Upper

168 100

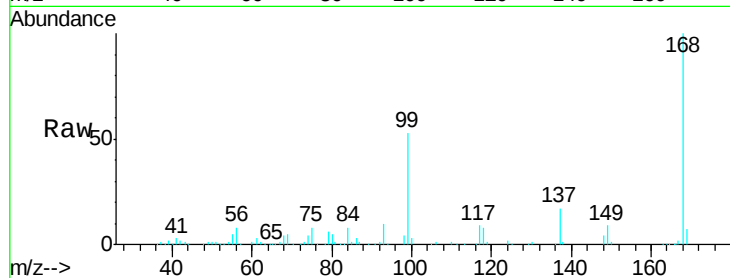
99 53.5 45.7 68.5

Manual Integrations

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MMDadoda

10/31/2019 11:30:37 AM



Abundance Ion 167.90 (167.60 to 168.60): VY000486.D (-985) (-)

Ion 98.90 (98.60 to 99.60): VY000486.D (-985) (-)

7.80

120000

100000

80000

60000

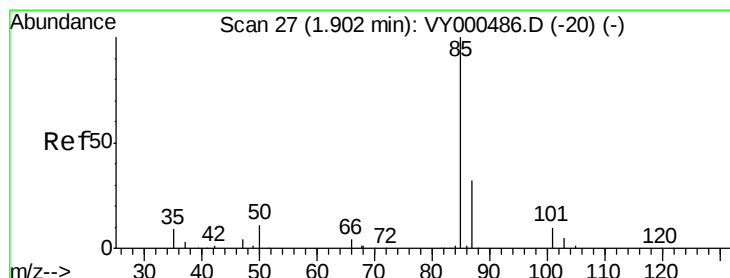
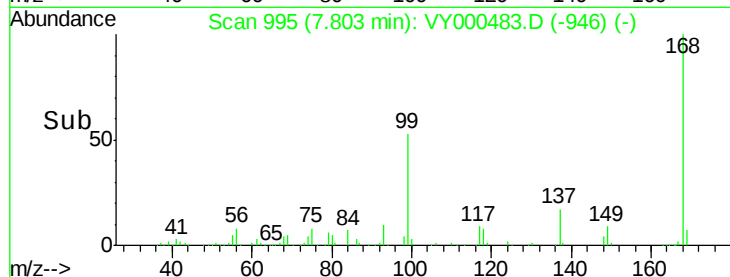
40000

20000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 4.480 ug/l

RT: 1.90 min Scan# 27

Delta R.T. -0.00 min

Lab File: VY000483.D

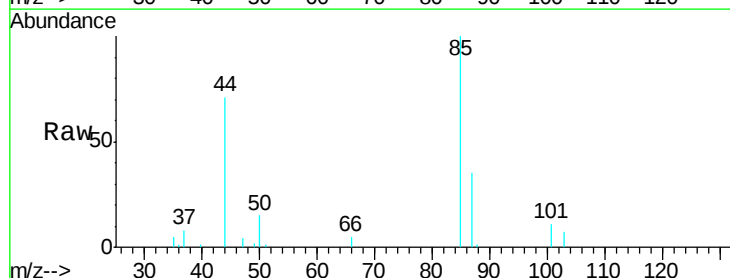
Acq: 30 Oct 2019 10:39

Tgt Ion: 85 Resp: 10285

Ion Ratio Lower Upper

85 100

87 34.9 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VY000486.D (-20) (-)

Ion 86.90 (86.60 to 87.60): VY000486.D (-20) (-)

1.90

6000

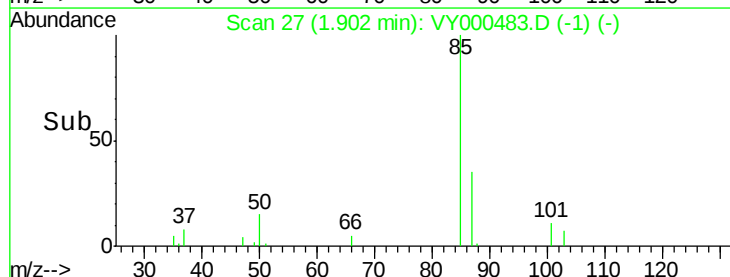
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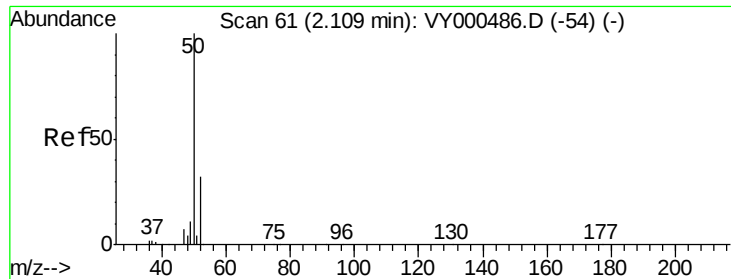
2000

0

1.85 1.90 1.95 2.00

Time-->





#3

Chloromethane

Concen: 4.759 ug/l

RT: 2.11 min Scan# 61

Delta R.T. -0.00 min

Lab File: VY000483.D

Acq: 30 Oct 2019 10:39

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDIC005

Tgt Ion: 50 Resp: 15049

Ion Ratio Lower Upper

50 100

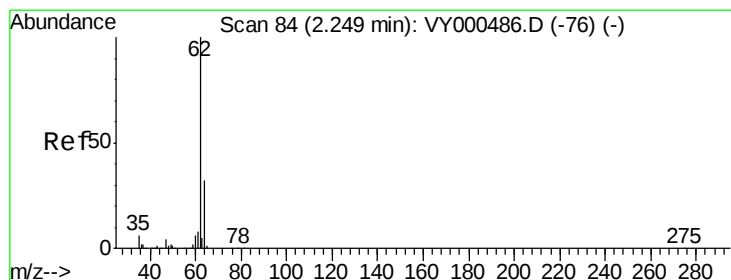
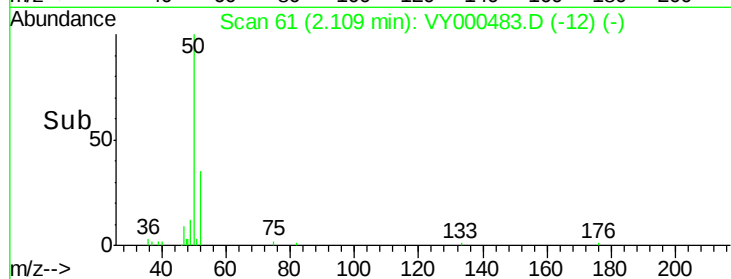
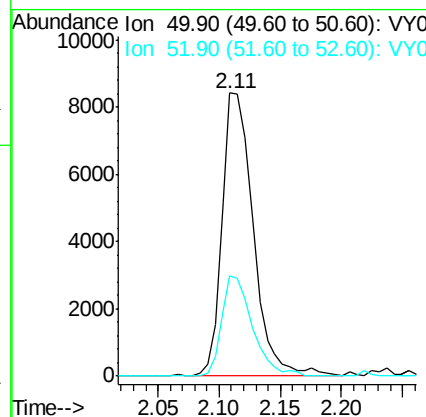
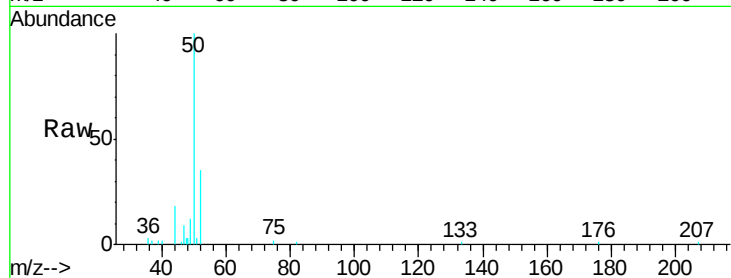
52 35.4 25.2 37.8

Manual Integrations

APPROVED

MMDadoda

10/31/2019 11:30:37 AM



#4

Vinyl Chloride

Concen: 4.553 ug/l

RT: 2.26 min Scan# 85

Delta R.T. 0.01 min

Lab File: VY000483.D

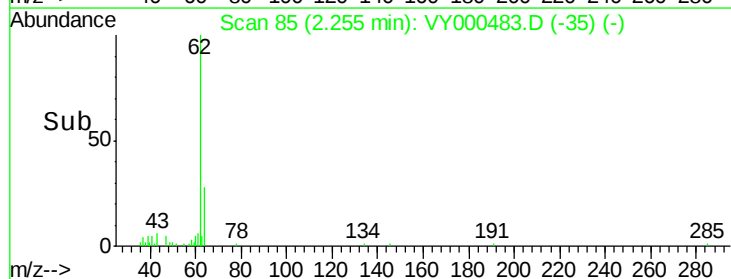
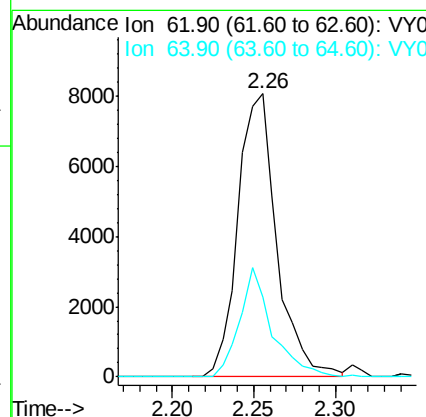
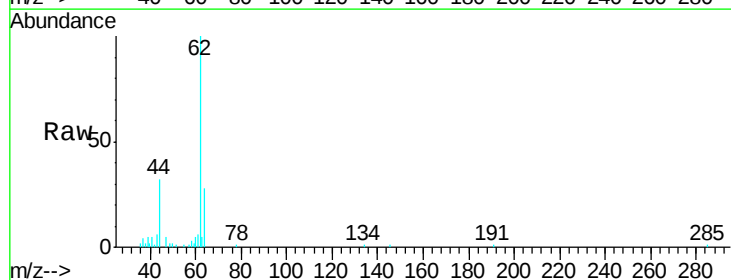
Acq: 30 Oct 2019 10:39

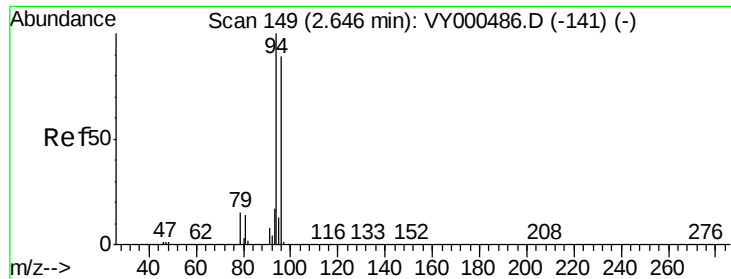
Tgt Ion: 62 Resp: 13369

Ion Ratio Lower Upper

62 100

64 28.2 25.2 37.8





#5

Bromomethane

Concen: 5.187 ug/l

RT: 2.65 min Scan# 149

Delta R.T. -0.00 min

Lab File: VY000483.D

Acq: 30 Oct 2019 10:39

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDIC005

Tgt Ion: 94 Resp: 9135

Ion Ratio Lower Upper

94 100

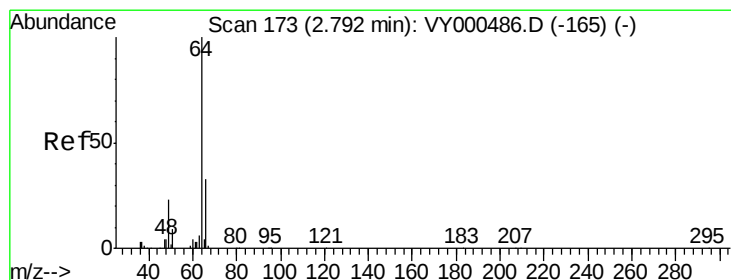
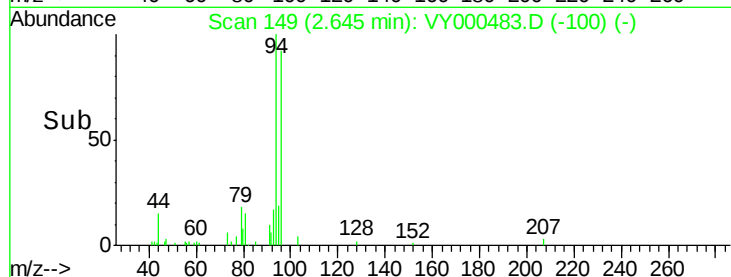
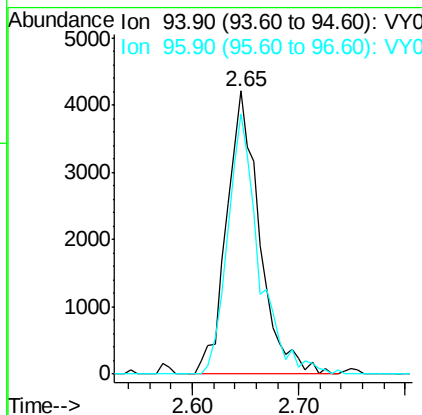
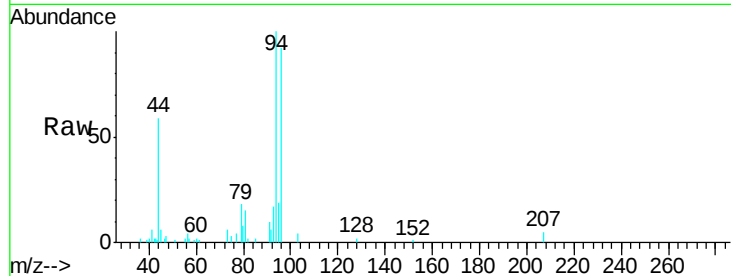
96 92.0 71.2 106.8

Manual Integrations

APPROVED

MMDadoda

10/31/2019 11:30:37 AM



#6

Chloroethane

Concen: 4.845 ug/l

RT: 2.79 min Scan# 173

Delta R.T. -0.00 min

Lab File: VY000483.D

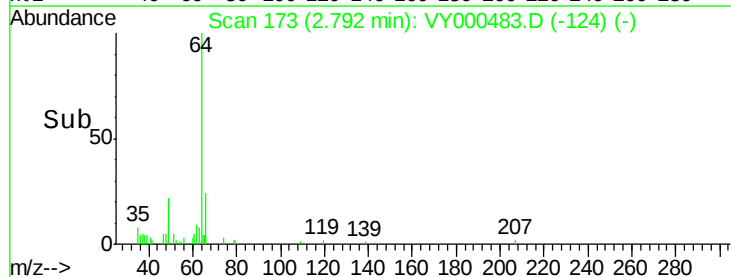
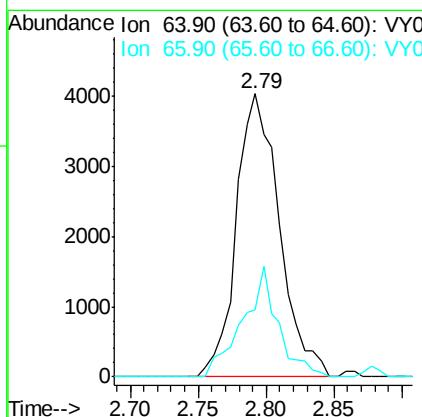
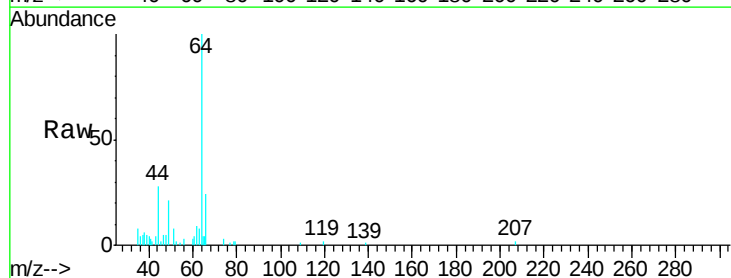
Acq: 30 Oct 2019 10:39

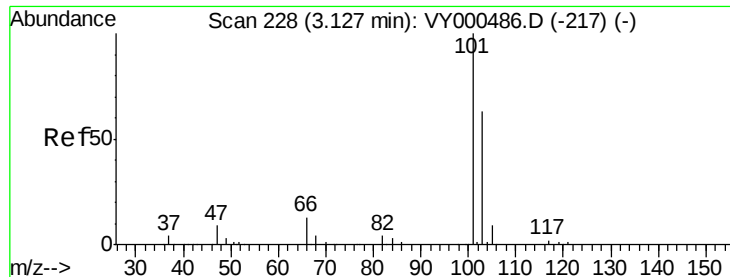
Tgt Ion: 64 Resp: 8905

Ion Ratio Lower Upper

64 100

66 23.6 26.6 40.0#





#7

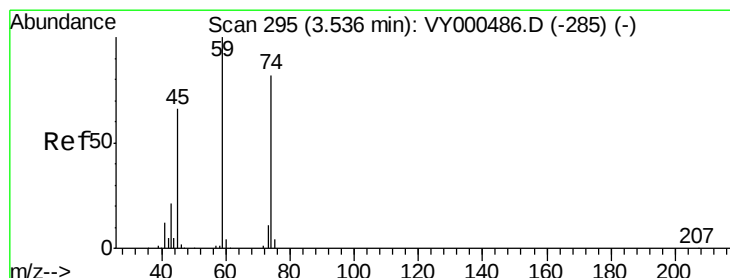
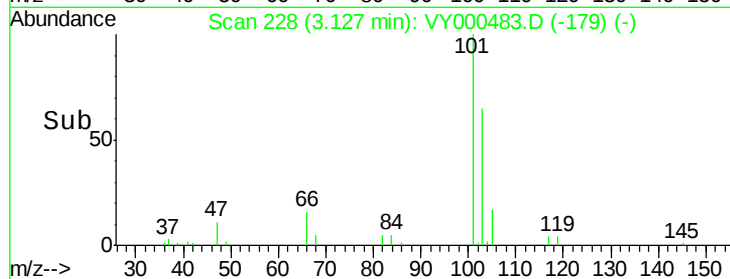
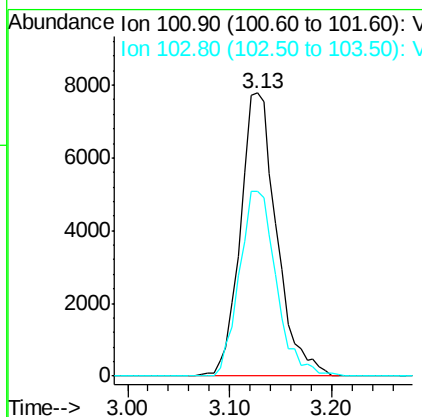
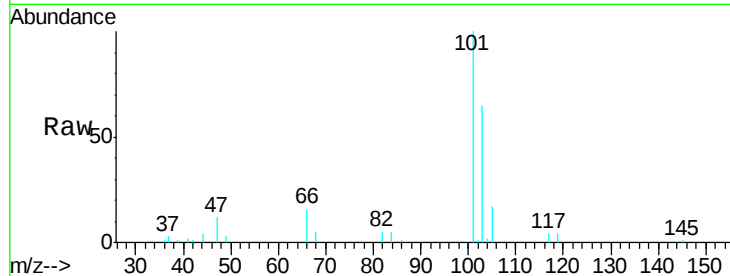
Trichlorofluoromethane  
 Concen: 4.839 ug/l  
 RT: 3.13 min Scan# 228  
 Delta R.T. -0.00 min  
 Lab File: VY000483.D  
 Acq: 30 Oct 2019 10:39

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDIC005

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 65.5  | 50.5  | 75.7  |

Manual Integrations  
 APPROVED

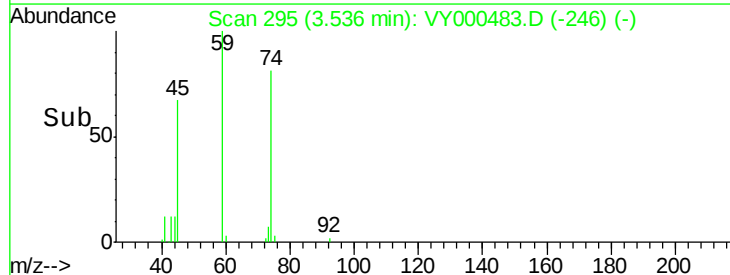
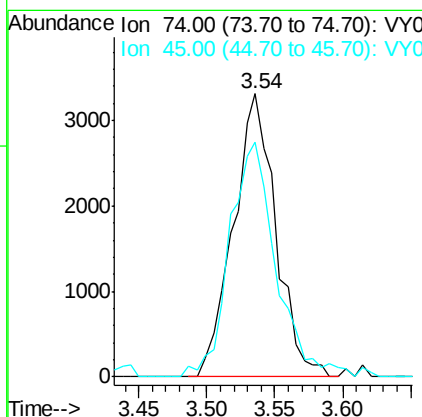
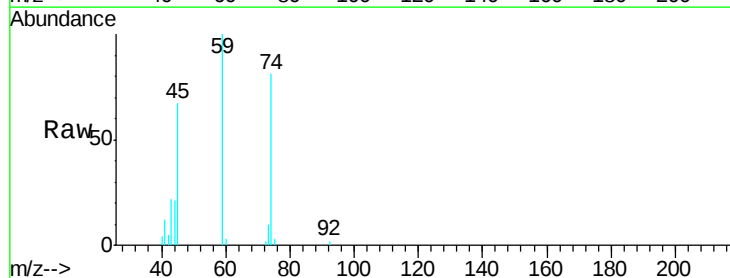
MMDadoda  
 10/31/2019 11:30:37 AM

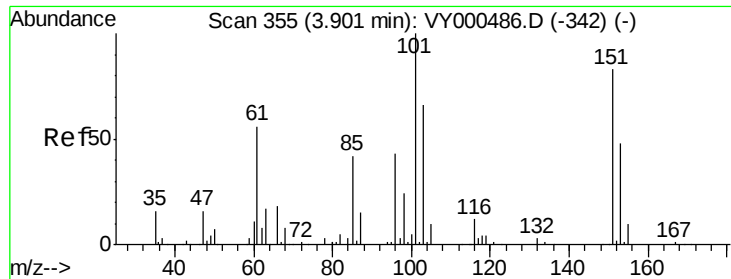


#8

Diethyl Ether  
 Concen: 5.127 ug/l  
 RT: 3.54 min Scan# 295  
 Delta R.T. -0.00 min  
 Lab File: VY000483.D  
 Acq: 30 Oct 2019 10:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 90.6  | 45.5  | 136.4 |





#9

1,1,2-Trichlorotrifluoroethane

Concen: 4.992 ug/l

RT: 3.91 min Scan# 356

Delta R.T. 0.01 min

Lab File: VY000483.D

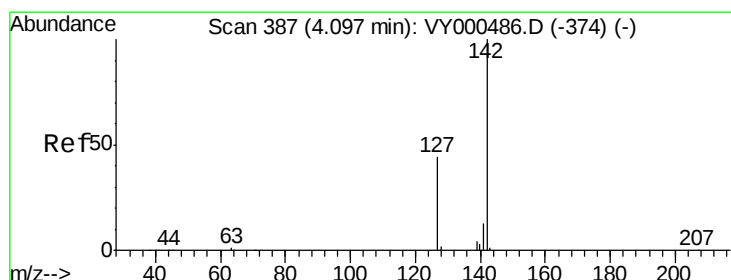
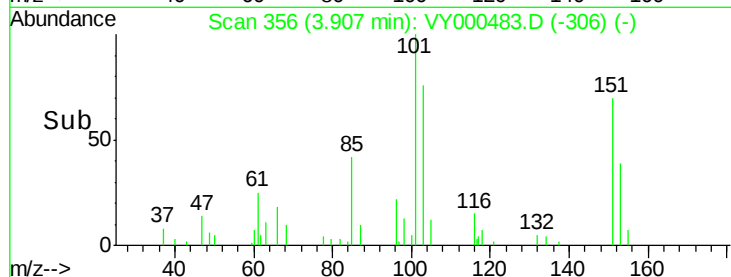
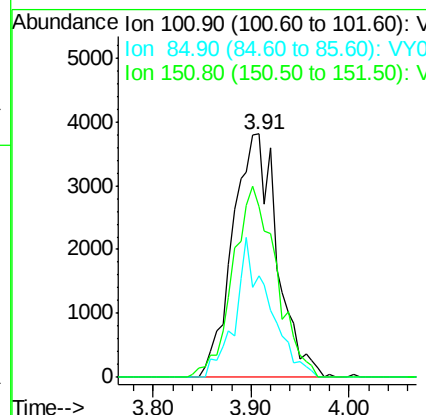
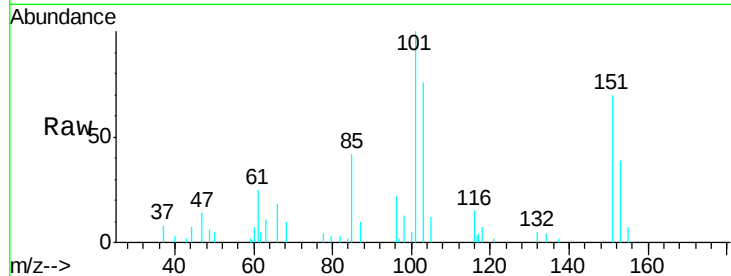
Acq: 30 Oct 2019 10:39

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC005

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 85      | 44.0  | 36.7  | 55.1  |
| 151     | 77.0  | 64.3  | 96.5  |

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#10

Methyl Iodide

Concen: 3.919 ug/l

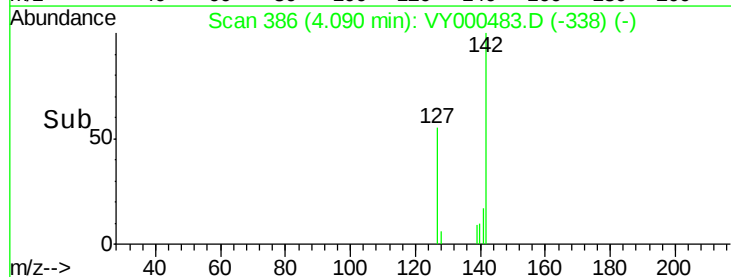
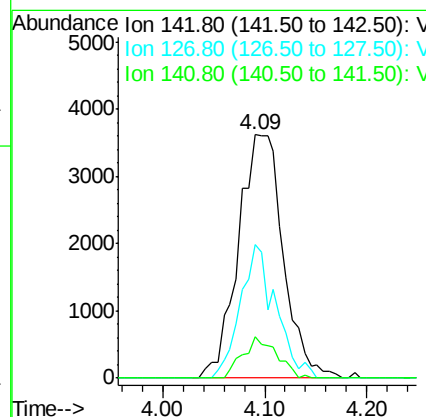
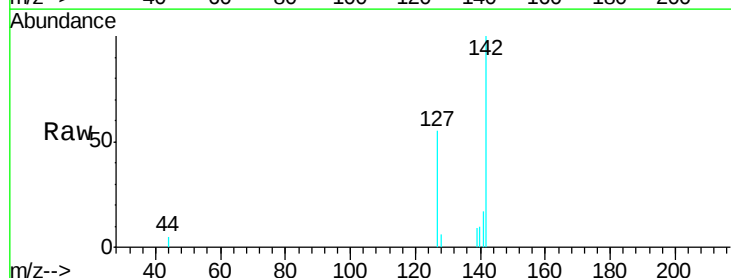
RT: 4.09 min Scan# 386

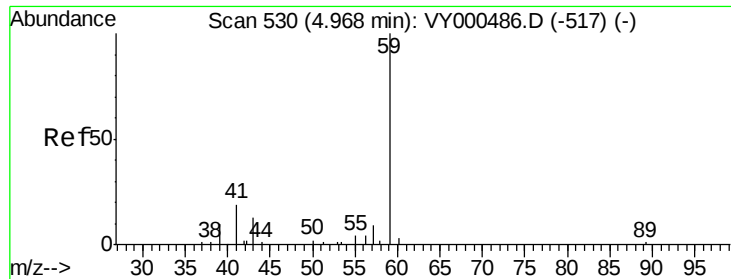
Delta R.T. -0.01 min

Lab File: VY000483.D

Acq: 30 Oct 2019 10:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 127     | 42.9  | 33.7  | 50.5  |
| 141     | 12.8  | 10.9  | 16.3  |





#11

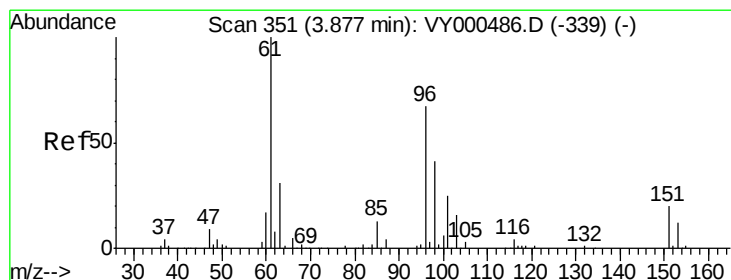
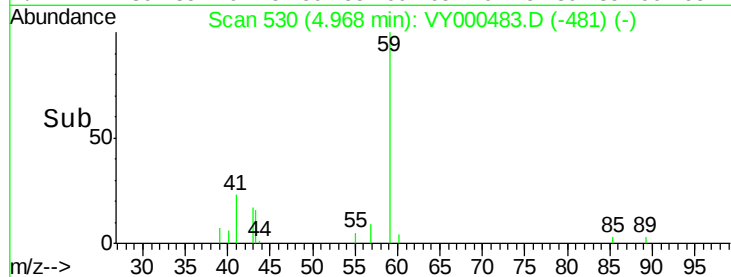
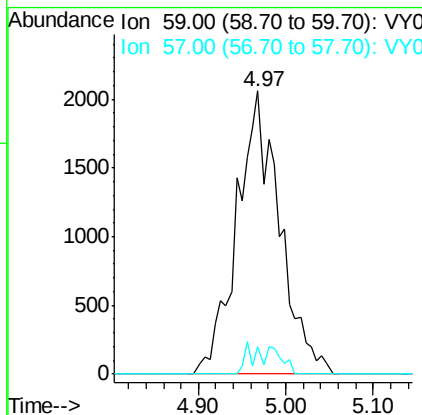
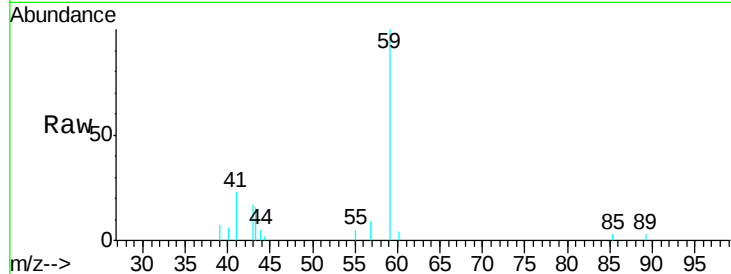
Tert butyl alcohol  
 Concen: 29.853 ug/l  
 RT: 4.97 min Scan# 530  
 Delta R.T. -0.00 min  
 Lab File: VY000483.D  
 Acq: 30 Oct 2019 10:39

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDIC005

Tgt Ion: 59 Resp: 7013  
 Ion Ratio Lower Upper  
 59 100  
 57 3.7 8.6 12.8#

Manual Integrations  
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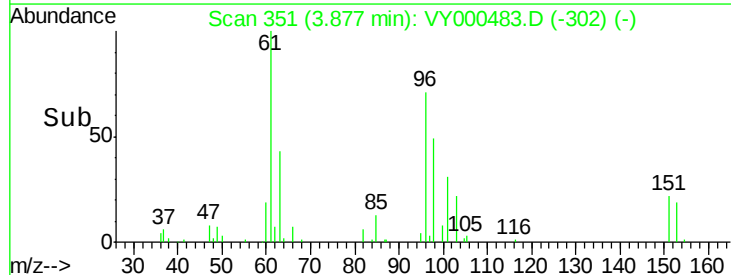
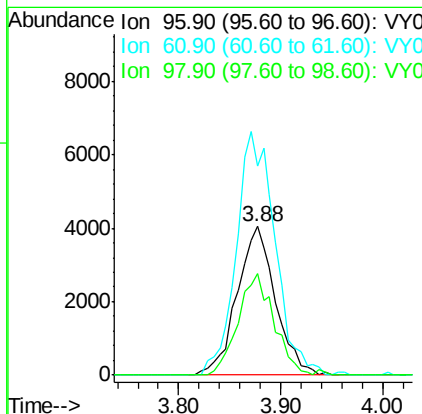
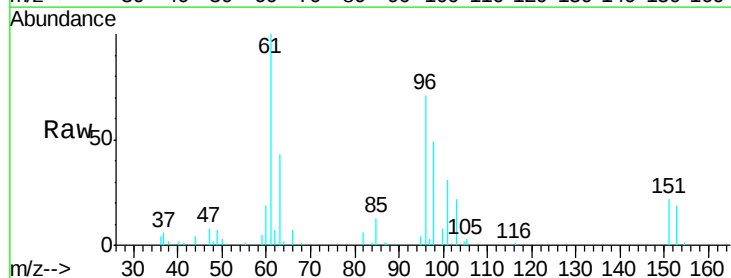
MMDadoda  
 10/31/2019 11:30:37 AM



#12

1,1-Dichloroethene  
 Concen: 4.526 ug/l  
 RT: 3.88 min Scan# 351  
 Delta R.T. -0.00 min  
 Lab File: VY000483.D  
 Acq: 30 Oct 2019 10:39

Tgt Ion: 96 Resp: 10543  
 Ion Ratio Lower Upper  
 96 100  
 61 140.7 119.2 178.8  
 98 68.7 48.6 73.0





#13

Acrolein

Concen: 28.862 ug/l

RT: 3.74 min Scan# 329

Delta R.T. 0.01 min

Lab File: VY000483.D

Acq: 30 Oct 2019 10:39

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDIC005

Tgt Ion: 56 Resp: 5906

Ion Ratio Lower Upper

56 100

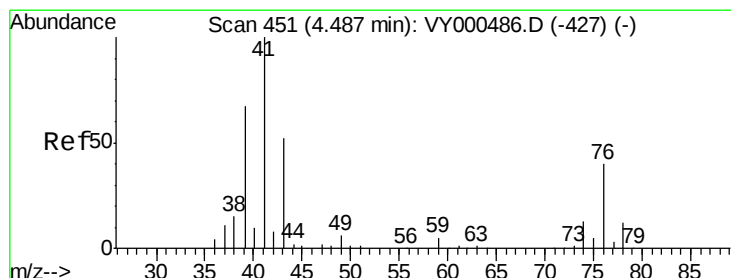
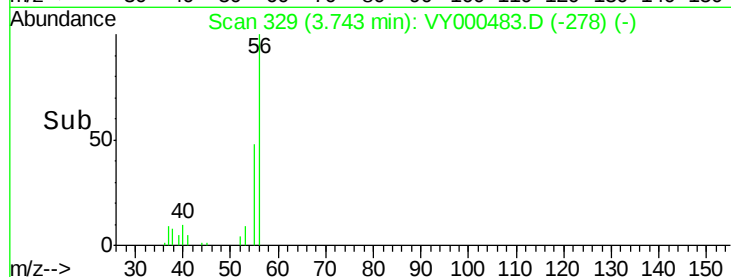
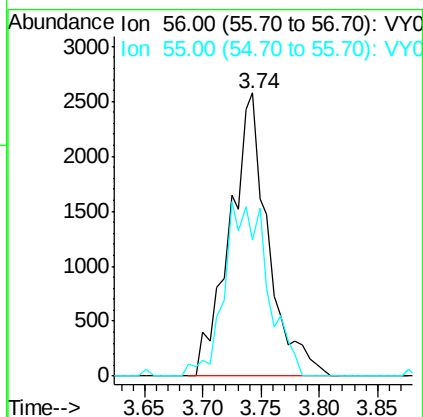
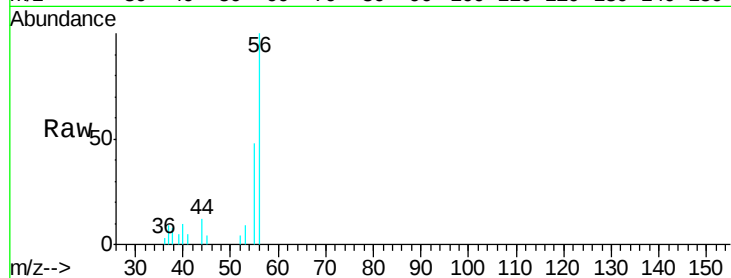
55 69.6 57.0 85.6

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#14

Allyl chloride

Concen: 4.258 ug/l

RT: 4.49 min Scan# 451

Delta R.T. -0.00 min

Lab File: VY000483.D

Acq: 30 Oct 2019 10:39

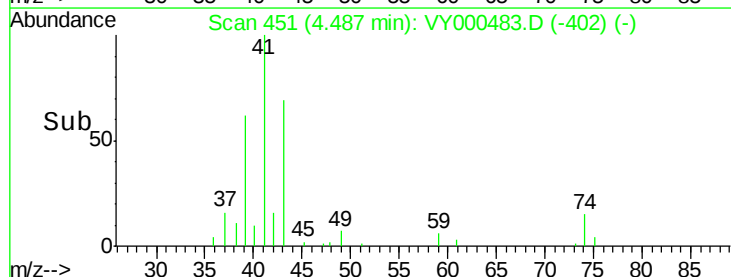
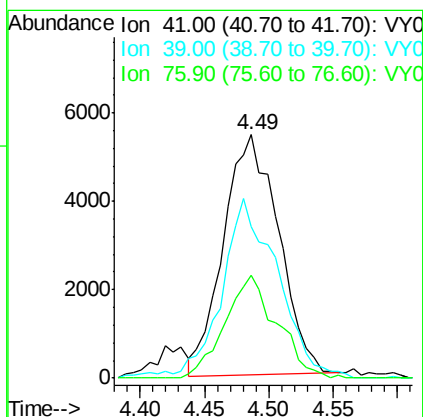
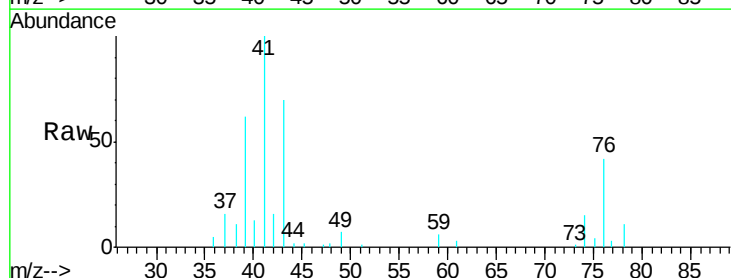
Tgt Ion: 41 Resp: 16127

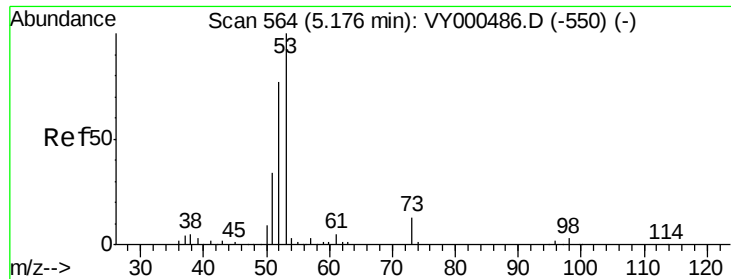
Ion Ratio Lower Upper

41 100

39 77.1 53.6 80.4

76 40.4 29.8 44.6





#15

Acrylonitrile

Concen: 23.644 ug/l

RT: 5.18 min Scan# 564

Delta R.T. -0.00 min

Lab File: VY000483.D

Acq: 30 Oct 2019 10:39

Instrument :

MSVOA\_Y

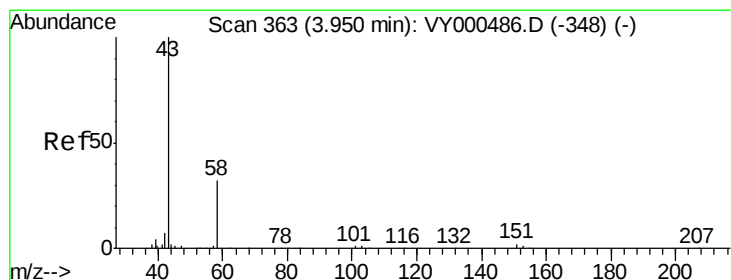
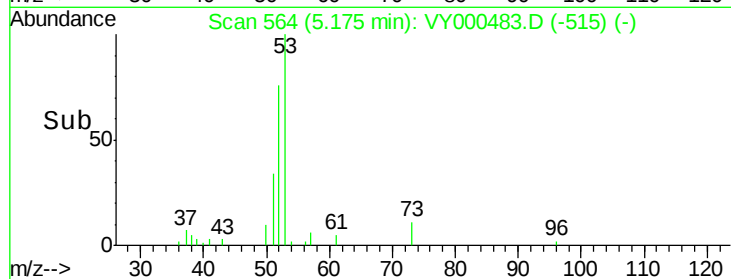
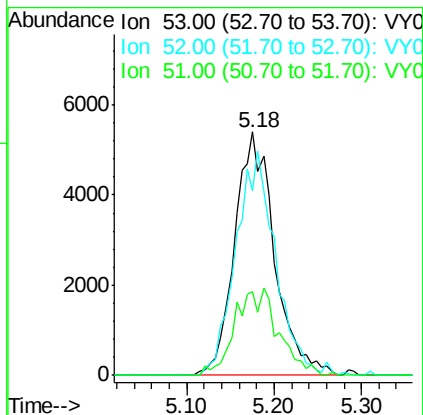
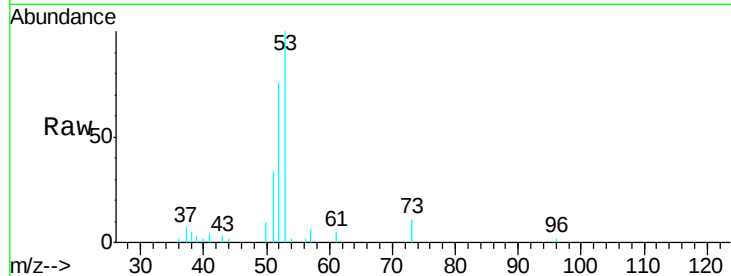
ClientSampleId :

VSTDIC005

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 53    | Resp: | 17068 |
| Ion      | Ratio | Lower | Upper |
| 53       | 100   |       |       |
| 52       | 91.3  | 64.9  | 97.3  |
| 51       | 39.0  | 27.6  | 41.4  |

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#16

Acetone

Concen: 25.507 ug/l

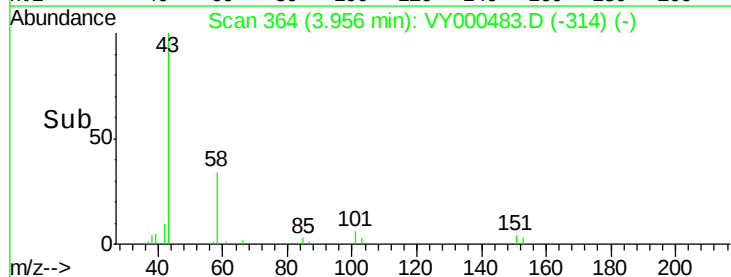
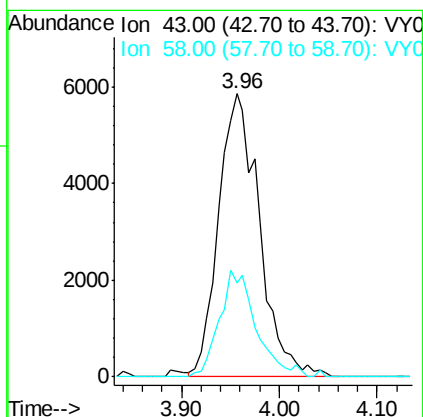
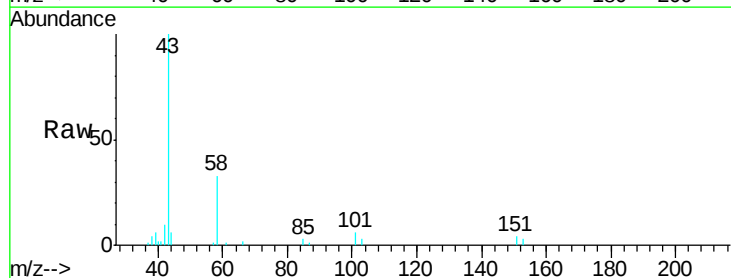
RT: 3.96 min Scan# 364

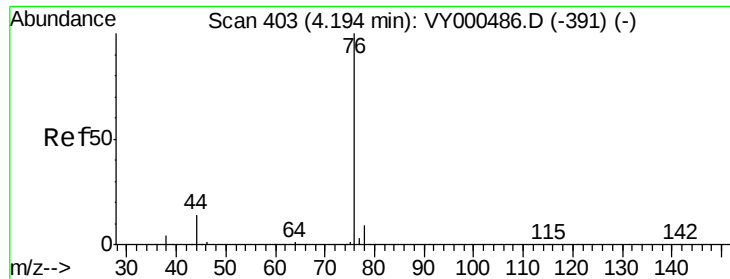
Delta R.T. 0.01 min

Lab File: VY000483.D

Acq: 30 Oct 2019 10:39

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 16966 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 33.0  | 25.8  | 38.6  |





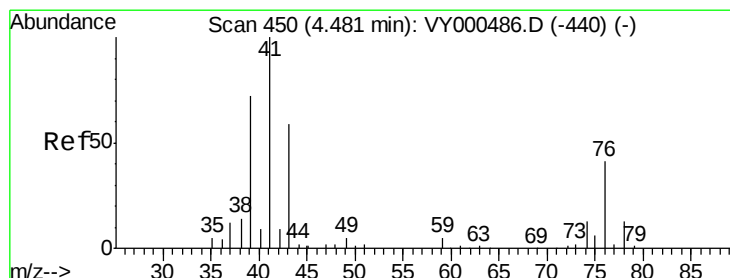
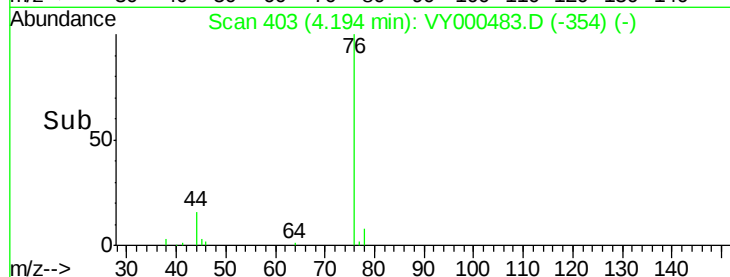
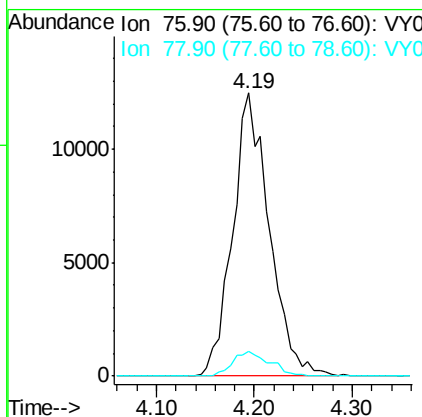
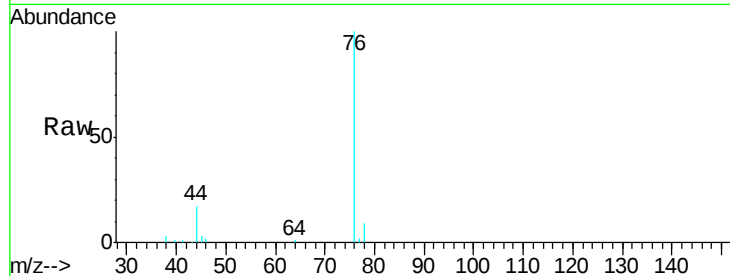
#17  
Carbon Disulfide  
Concen: 4.399 ug/l  
RT: 4.19 min Scan# 403  
Delta R.T. -0.00 min  
Lab File: VY000483.D  
Acq: 30 Oct 2019 10:39

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC005

Tgt Ion: 76 Resp: 32323  
Ion Ratio Lower Upper  
76 100  
78 8.6 7.5 11.3

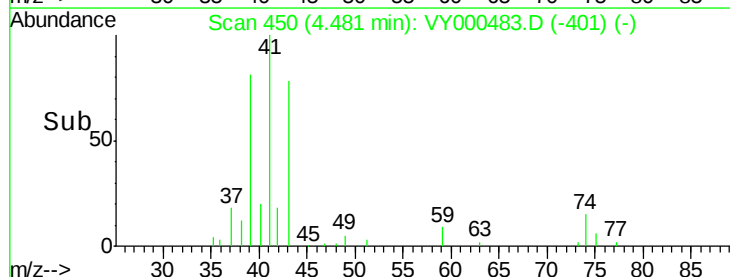
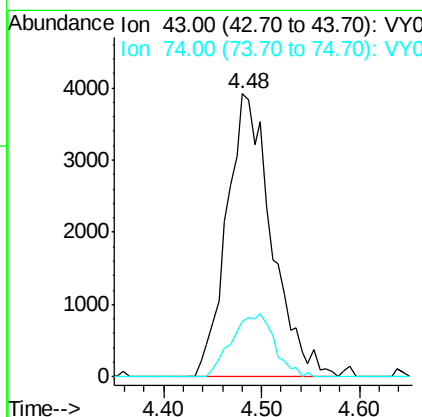
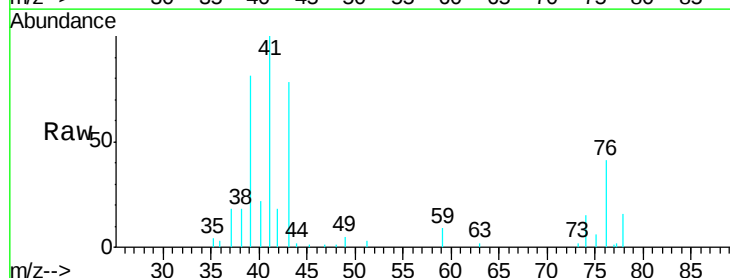
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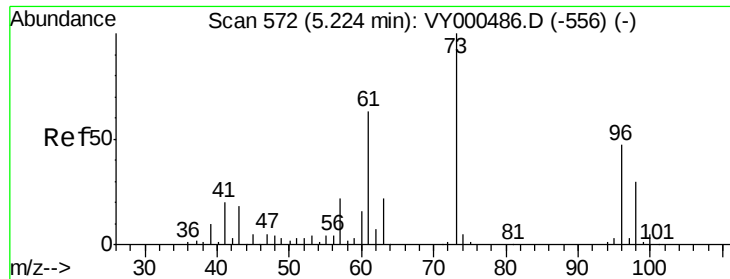
MMDadoda  
10/31/2019 11:30:37 AM



#18  
Methyl Acetate  
Concen: 6.018 ug/l  
RT: 4.48 min Scan# 450  
Delta R.T. -0.00 min  
Lab File: VY000483.D  
Acq: 30 Oct 2019 10:39

Tgt Ion: 43 Resp: 12447  
Ion Ratio Lower Upper  
43 100  
74 21.1 19.2 28.8





#19

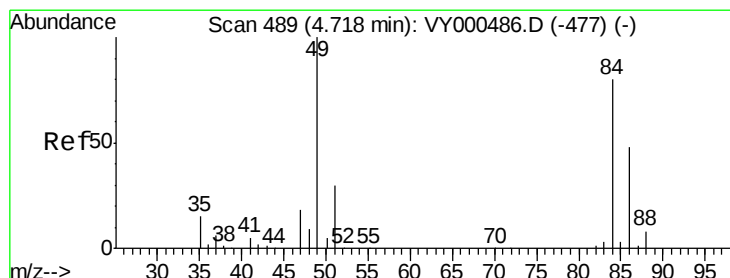
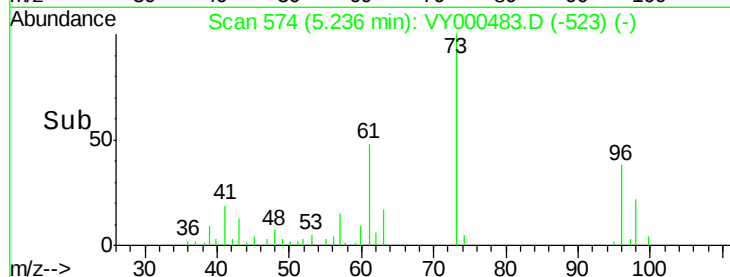
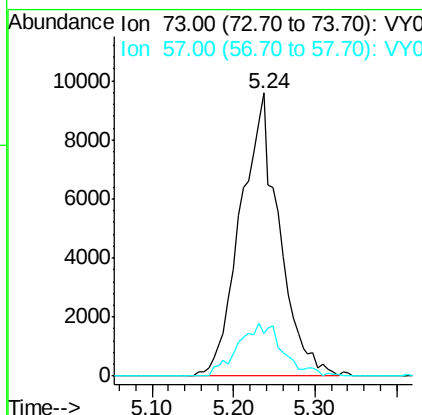
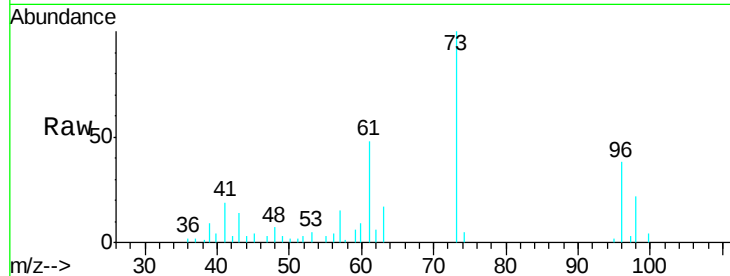
Methyl tert-butyl Ether  
Concen: 4.873 ug/l  
RT: 5.24 min Scan# 574  
Delta R.T. 0.01 min  
Lab File: VY000483.D  
Acq: 30 Oct 2019 10:39

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC005

Tgt Ion: 73 Resp: 31562  
Ion Ratio Lower Upper  
73 100  
57 15.0 17.4 26.0#

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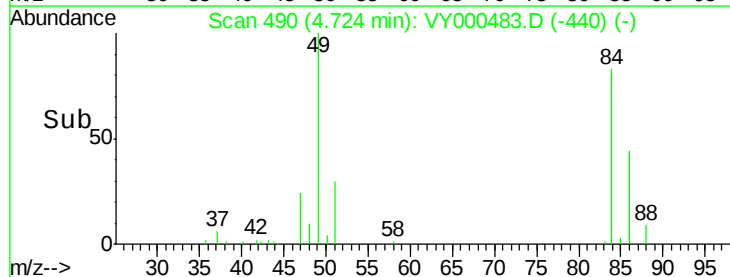
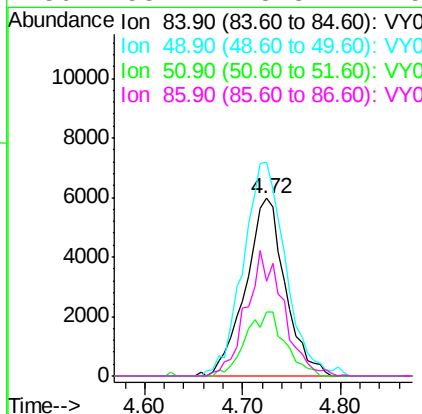
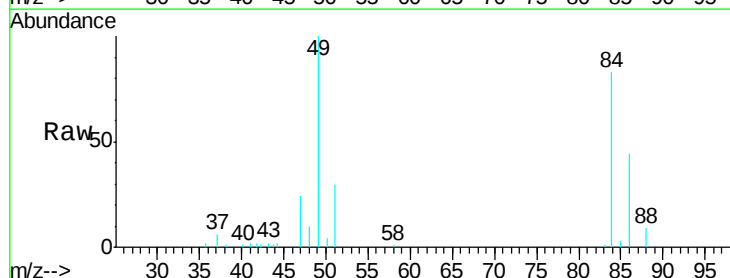
MMDadoda  
10/31/2019 11:30:37 AM

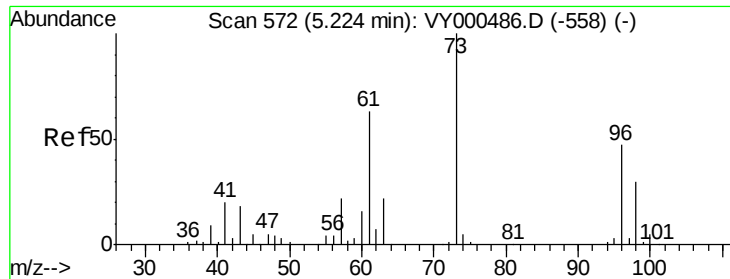


#20

Methylene Chloride  
Concen: 5.922 ug/l  
RT: 4.72 min Scan# 490  
Delta R.T. 0.01 min  
Lab File: VY000483.D  
Acq: 30 Oct 2019 10:39

Tgt Ion: 84 Resp: 16879  
Ion Ratio Lower Upper  
84 100  
49 120.4 100.2 150.4  
51 36.4 29.6 44.4  
86 53.2 48.3 72.5





#21

trans-1,2-Dichloroethene

Concen: 4.716 ug/l

RT: 5.22 min Scan# 572

Delta R.T. -0.00 min

Lab File: VY000483.D

Acq: 30 Oct 2019 10:39

Instrument :

MSVOA\_Y

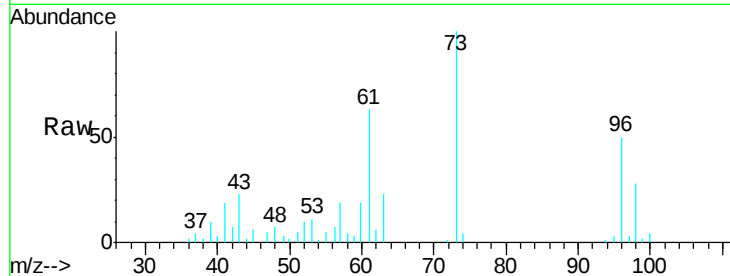
ClientSampleId :

VSTDIC005

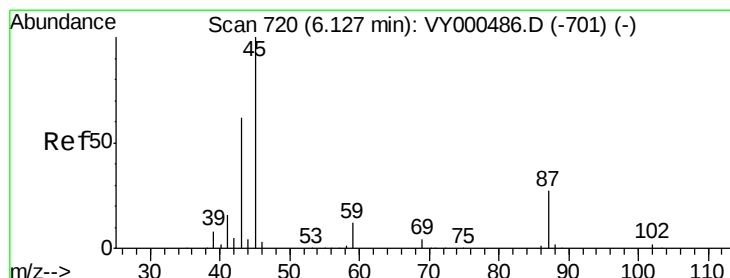
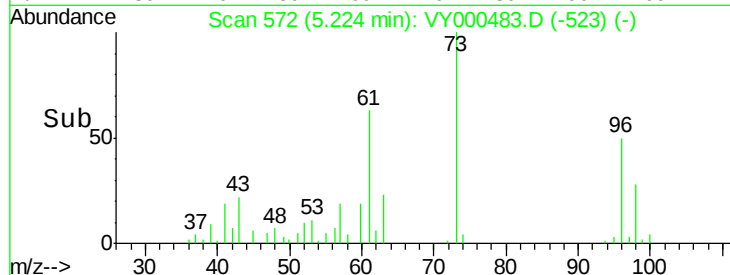
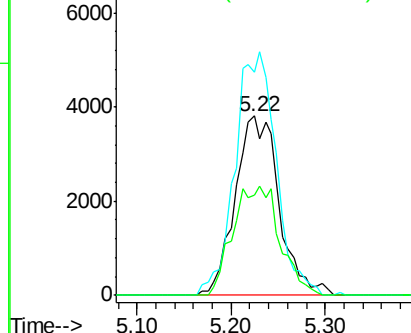
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 96    | Resp: | 12420 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 125.0 | 106.6 | 160.0 |
| 98       | 56.2  | 50.6  | 76.0  |

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



#22

Diisopropyl ether

Concen: 4.465 ug/l

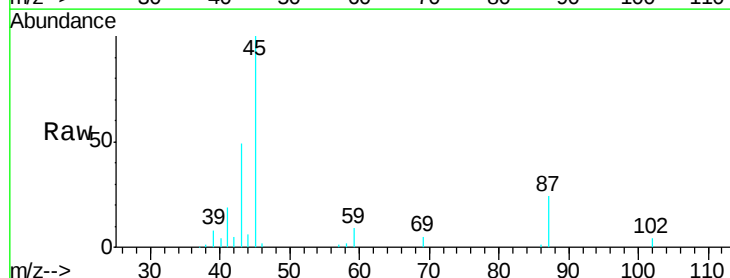
RT: 6.13 min Scan# 720

Delta R.T. -0.00 min

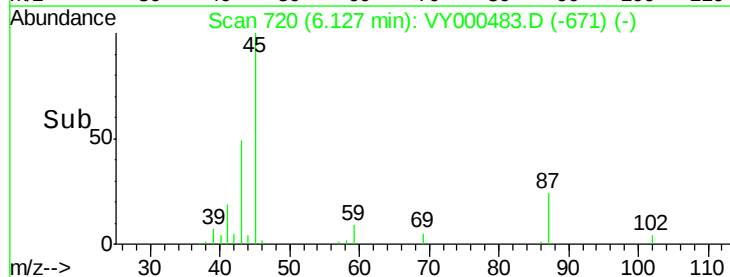
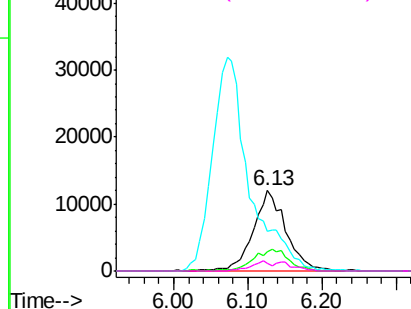
Lab File: VY000483.D

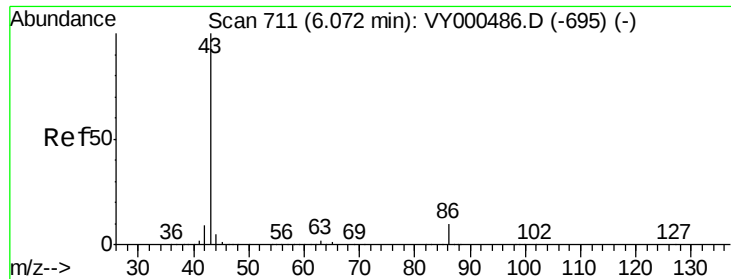
Acq: 30 Oct 2019 10:39

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 45    | Resp: | 36762 |
| Ion      | Ratio | Lower | Upper |
| 45       | 100   |       |       |
| 43       | 47.3  | 50.0  | 75.0# |
| 87       | 24.4  | 21.6  | 32.4  |
| 59       | 8.9   | 9.5   | 14.3# |



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





#23

Vinyl Acetate

Concen: 21.181 ug/l

RT: 6.07 min Scan# 711

Delta R.T. -0.00 min

Lab File: VY000483.D

Acq: 30 Oct 2019 10:39

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDIC005

Tgt Ion: 43 Resp: 110077

Ion Ratio Lower Upper

43 100

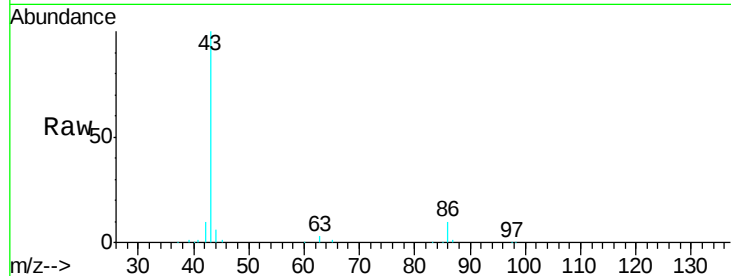
86 10.1 7.8 11.6

Manual Integrations

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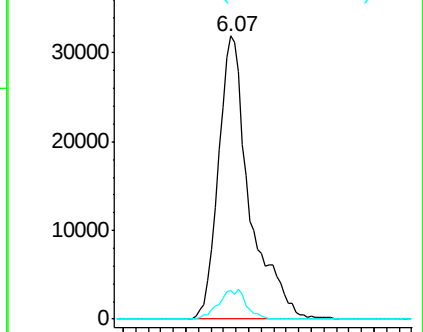
MMDadoda

10/31/2019 11:30:37 AM

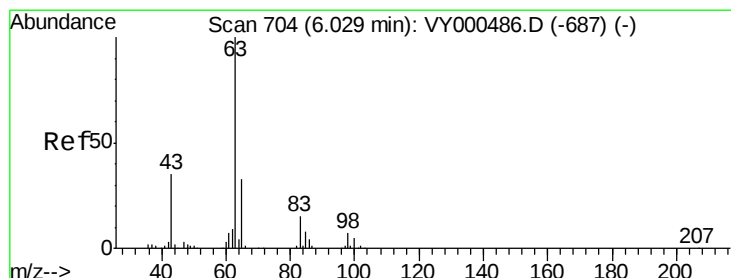
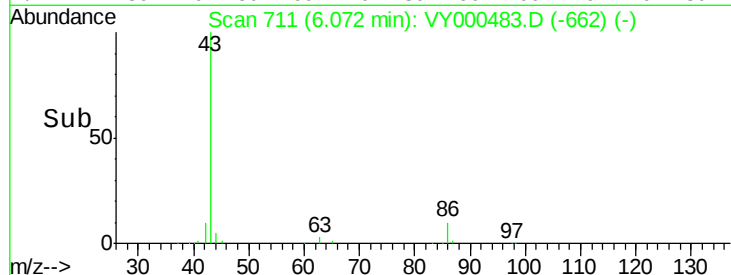


Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0



Time--> 5.90 6.00 6.10 6.20 6.30



#24

1,1-Dichloroethane

Concen: 4.912 ug/l

RT: 6.02 min Scan# 702

Delta R.T. -0.01 min

Lab File: VY000483.D

Acq: 30 Oct 2019 10:39

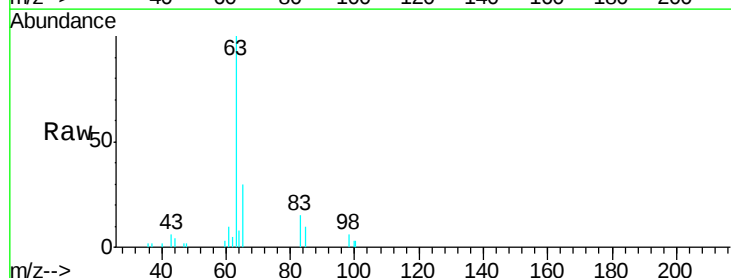
Tgt Ion: 63 Resp: 21907

Ion Ratio Lower Upper

63 100

98 5.9 3.5 10.6

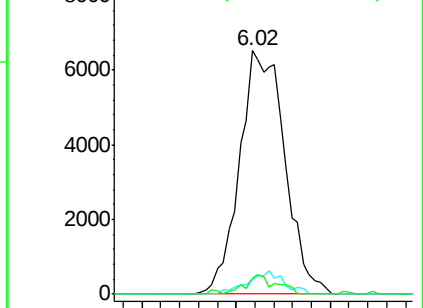
100 6.4 2.4 7.1



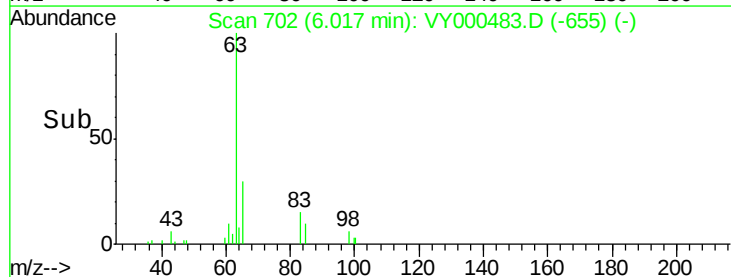
Abundance Ion 62.90 (62.60 to 63.60): VY0

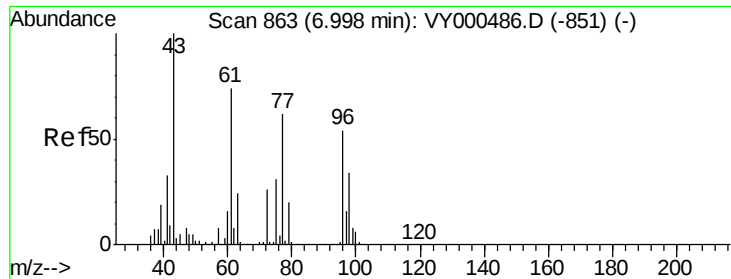
Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0



Time--> 5.90 6.00 6.10





#25

2-Butanone

Concen: 25.517 ug/l

RT: 7.00 min Scan# 863

Delta R.T. -0.00 min

Lab File: VY000483.D

Acq: 30 Oct 2019 10:39

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDIC005

Tgt Ion: 43 Resp: 27087

Ion Ratio Lower Upper

43 100

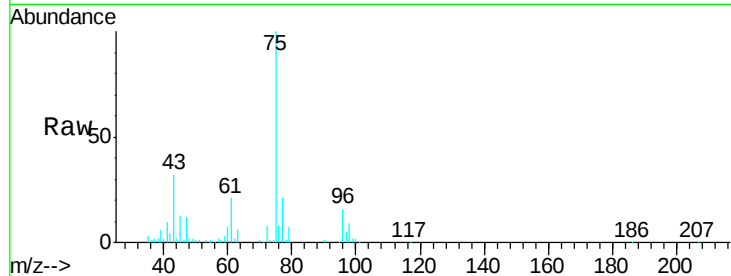
72 25.0 20.9 31.3

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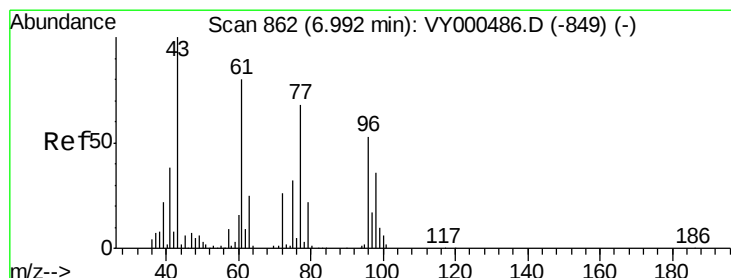
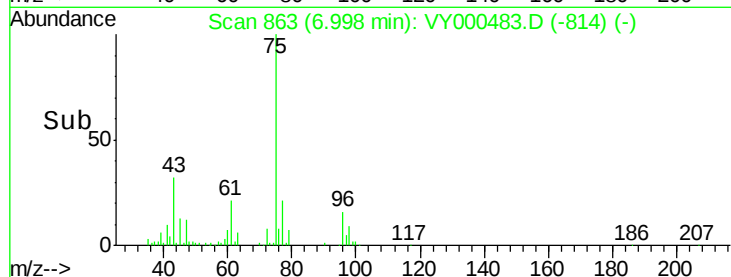
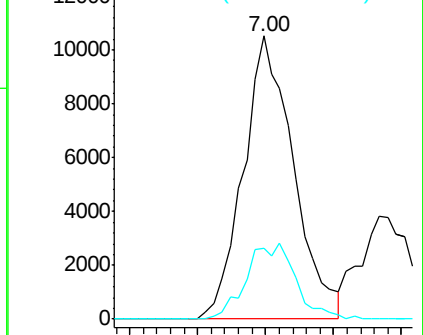
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0



#26

2,2-Dichloropropane

Concen: 5.334 ug/l

RT: 6.99 min Scan# 861

Delta R.T. -0.01 min

Lab File: VY000483.D

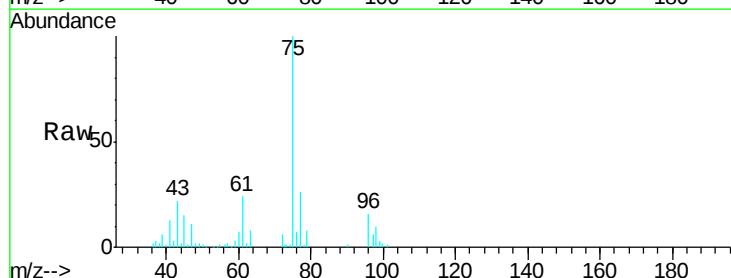
Acq: 30 Oct 2019 10:39

Tgt Ion: 77 Resp: 21739

Ion Ratio Lower Upper

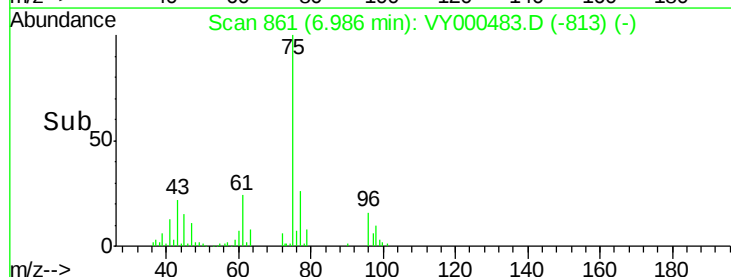
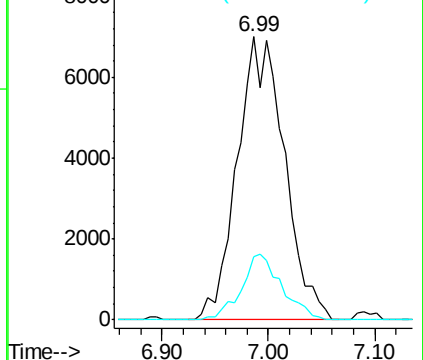
77 100

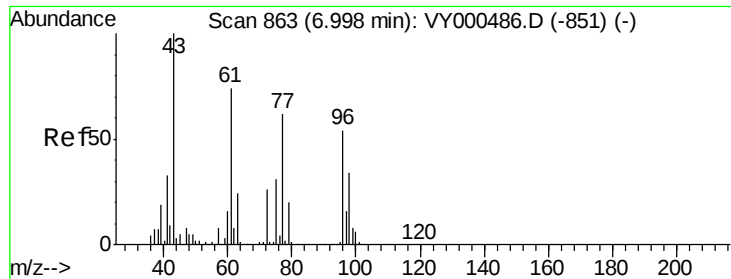
97 19.9 11.8 35.4



Abundance Ion 76.90 (76.60 to 77.60): VY0

Ion 96.90 (96.60 to 97.60): VY0





#27

cis-1,2-Dichloroethene

Concen: 4.793 ug/l

RT: 7.00 min Scan# 863

Delta R.T. -0.00 min

Lab File: VY000483.D

Acq: 30 Oct 2019 10:39

Instrument :

MSVOA\_Y

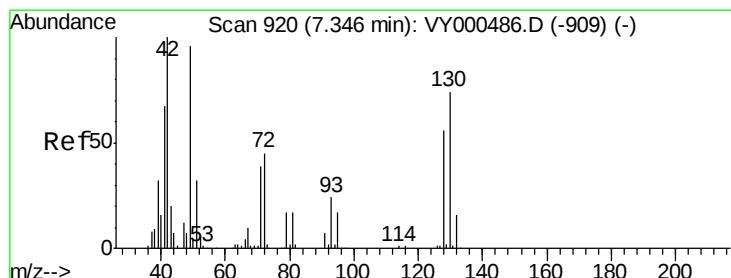
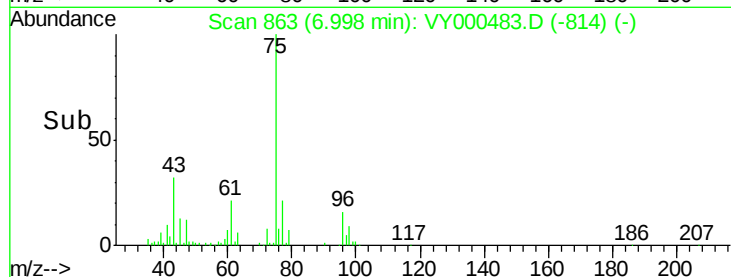
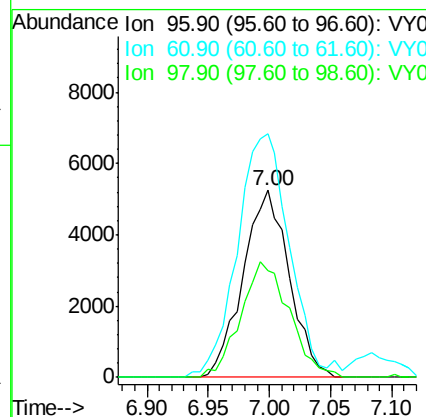
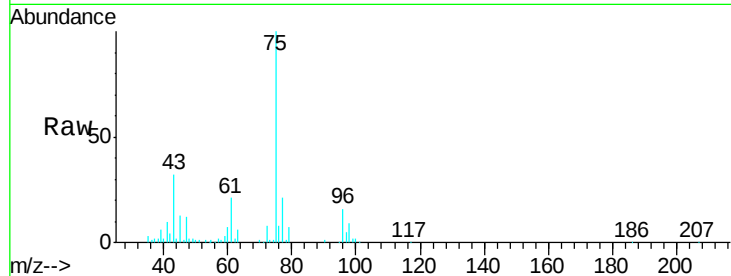
ClientSampleId :

VSTDIC005

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 145.2 | 0.0   | 287.0 |
| 98      | 65.0  | 0.0   | 129.4 |

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#28

Bromochloromethane

Concen: 6.015 ug/l

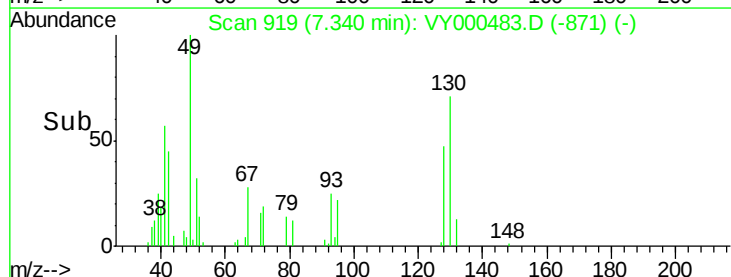
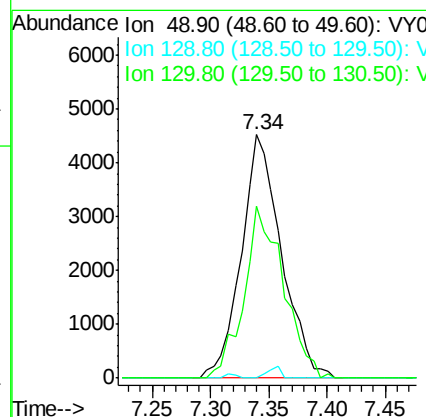
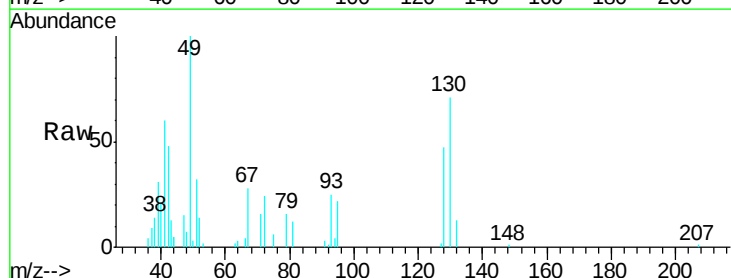
RT: 7.34 min Scan# 919

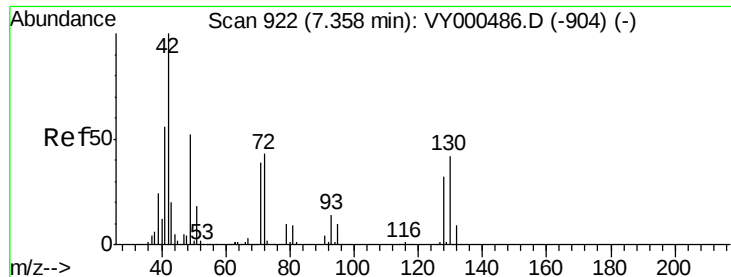
Delta R.T. -0.01 min

Lab File: VY000483.D

Acq: 30 Oct 2019 10:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 49      | 100   |       |       |
| 129     | 1.5   | 0.0   | 3.6   |
| 130     | 69.4  | 59.4  | 89.0  |





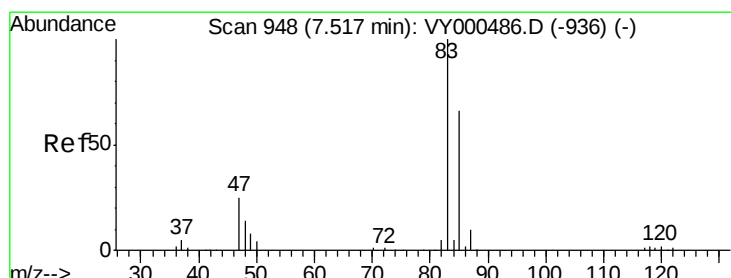
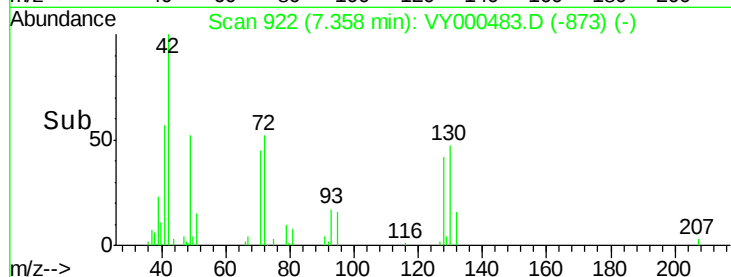
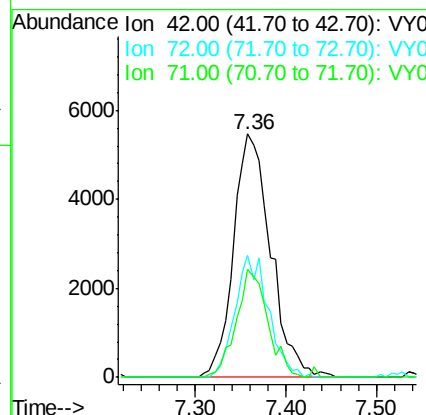
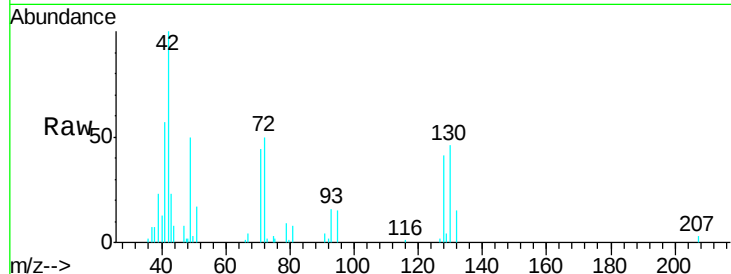
#29  
Tetrahydrofuran  
Concen: 23.967 ug/l  
RT: 7.36 min Scan# 922  
Delta R.T. -0.00 min  
Lab File: VY000483.D  
Acq: 30 Oct 2019 10:39

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC005

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 44.9  | 34.0  | 51.0  |
| 71      | 37.6  | 30.8  | 46.2  |

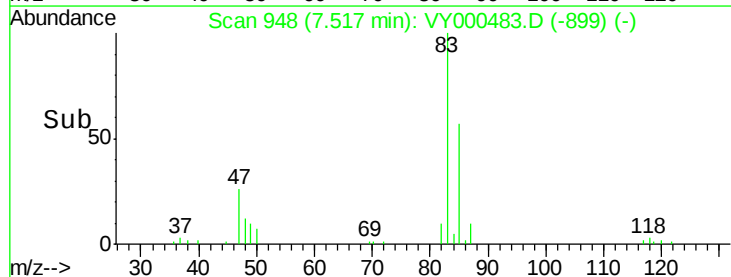
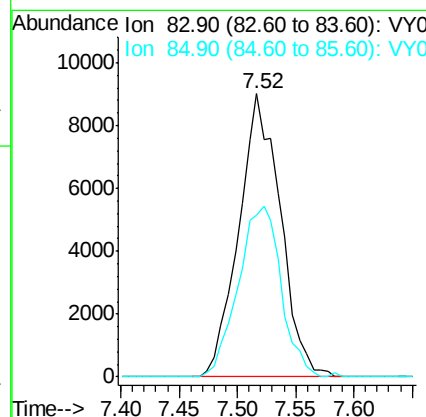
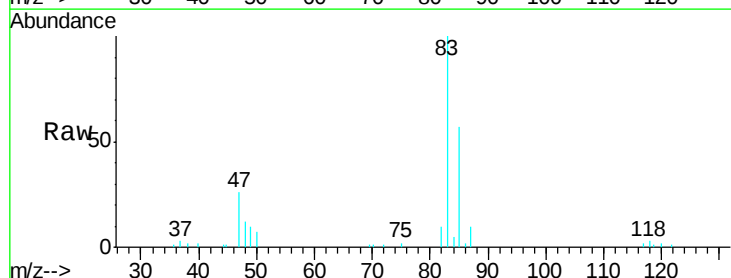
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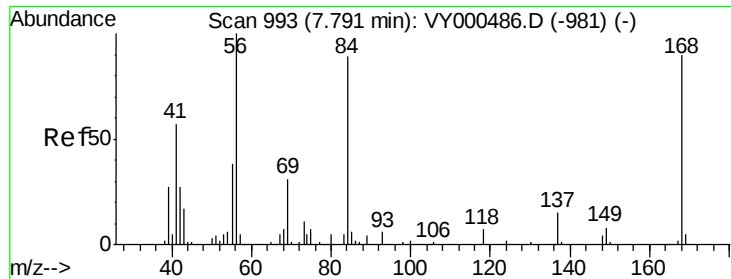
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#30  
Chloroform  
Concen: 4.958 ug/l  
RT: 7.52 min Scan# 948  
Delta R.T. -0.00 min  
Lab File: VY000483.D  
Acq: 30 Oct 2019 10:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 57.1  | 53.0  | 79.4  |





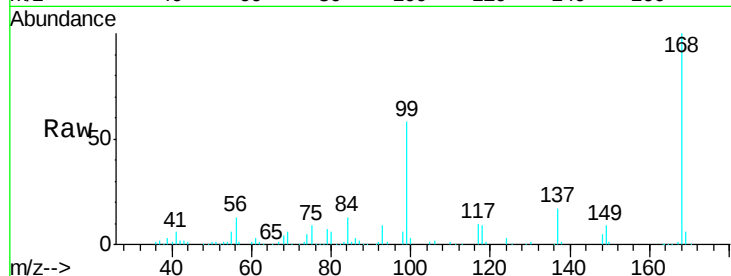
#31  
Cyclohexane  
Concen: 5.445 ug/l  
RT: 7.79 min Scan# 993  
Delta R.T. -0.00 min  
Lab File: VY000483.D  
Acq: 30 Oct 2019 10:39

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC005

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 69      | 43.4  | 25.0  | 37.6# |
| 84      | 97.0  | 71.4  | 107.2 |

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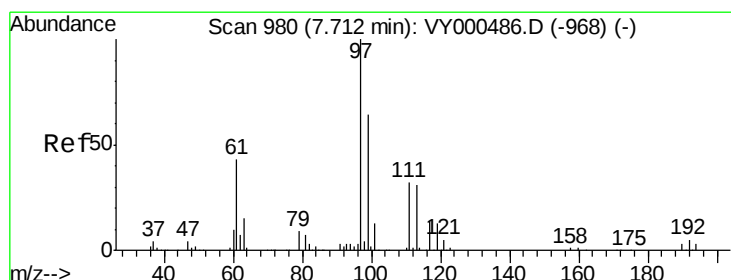
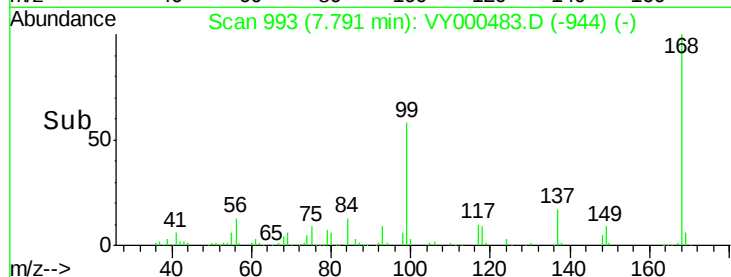
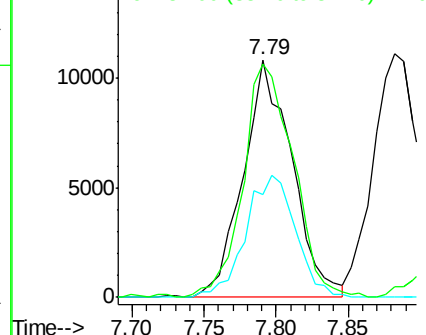


Abundance

Ion 56.00 (55.70 to 56.70): VY0

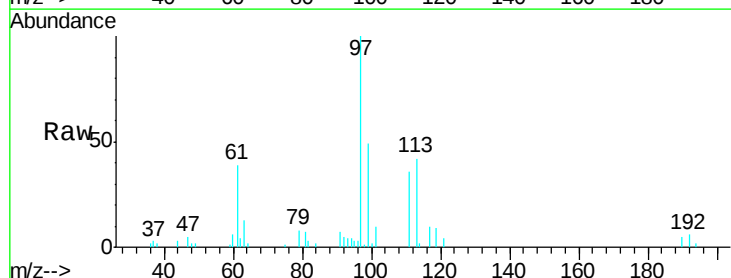
Ion 69.00 (68.70 to 69.70): VY0

Ion 84.00 (83.70 to 84.70): VY0



#32  
1,1,1-Trichloroethane  
Concen: 4.895 ug/l  
RT: 7.72 min Scan# 981  
Delta R.T. 0.01 min  
Lab File: VY000483.D  
Acq: 30 Oct 2019 10:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 99      | 60.2  | 50.9  | 76.3  |
| 61      | 41.0  | 34.9  | 52.3  |

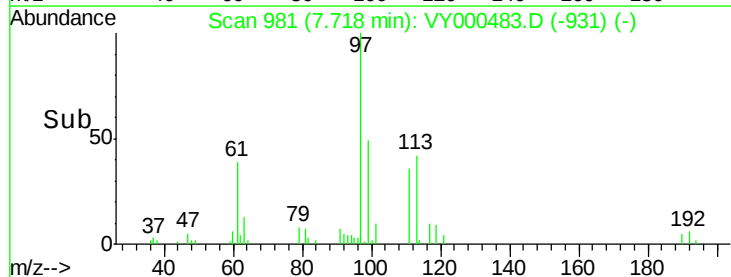
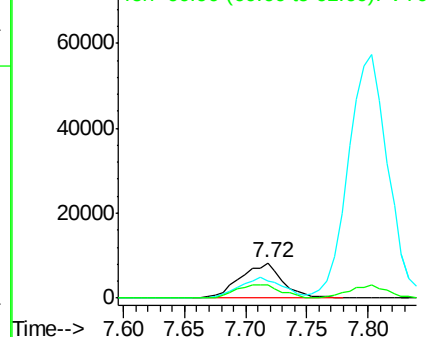


Abundance

Ion 96.90 (96.60 to 97.60): VY0

Ion 98.90 (98.60 to 99.60): VY0

Ion 60.90 (60.60 to 61.60): VY0





#33

1,2-Dichloroethane-d4

Concen: 4.429 ug/l

RT: 8.16 min Scan# 1053

Delta R.T. 0.01 min

Lab File: VY000483.D

Acq: 30 Oct 2019 10:39

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDIC005

Tgt Ion: 65 Resp: 10688

Ion Ratio Lower Upper

65 100

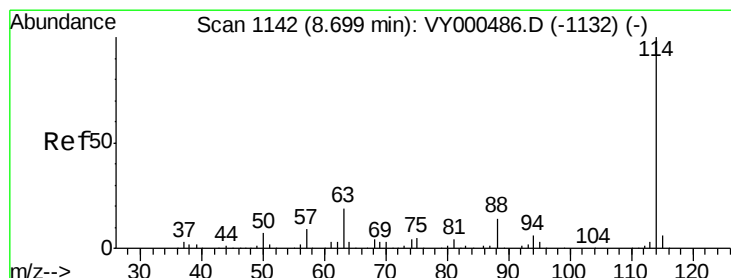
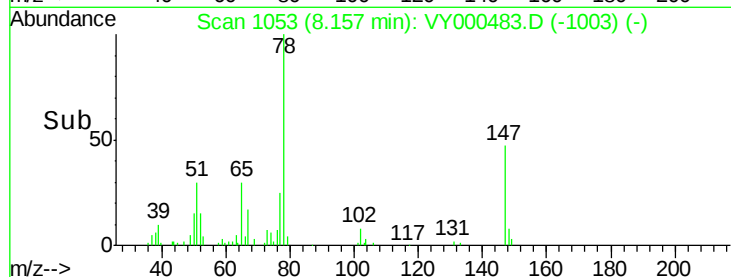
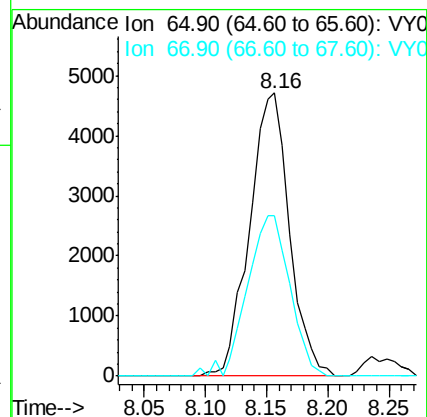
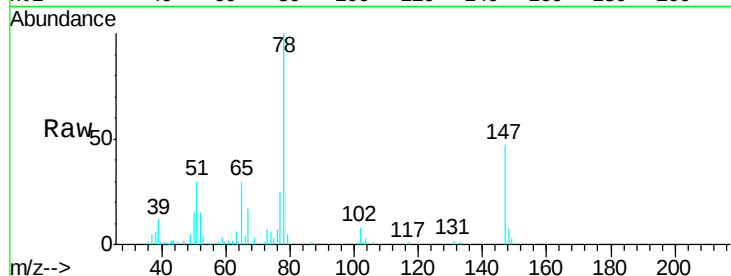
67 60.4 0.0 107.2

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.70 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VY000483.D

Acq: 30 Oct 2019 10:39

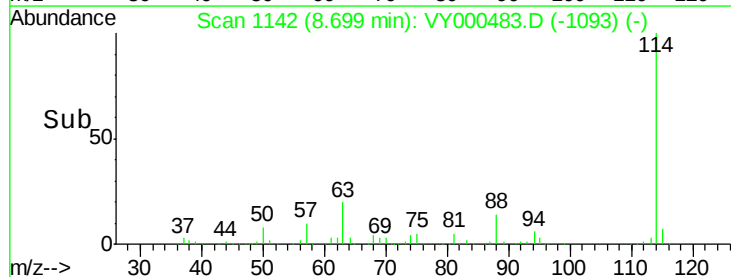
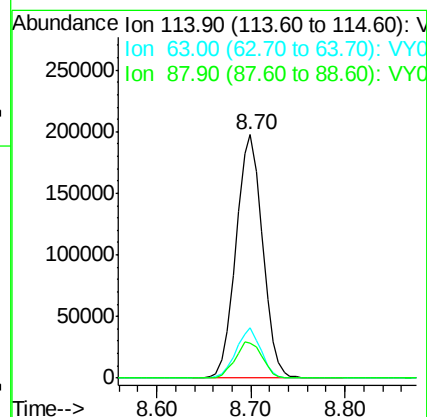
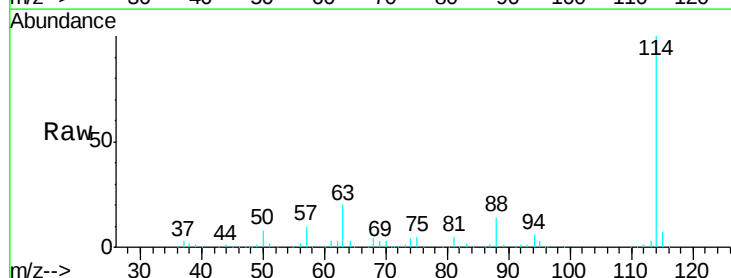
Tgt Ion: 114 Resp: 385175

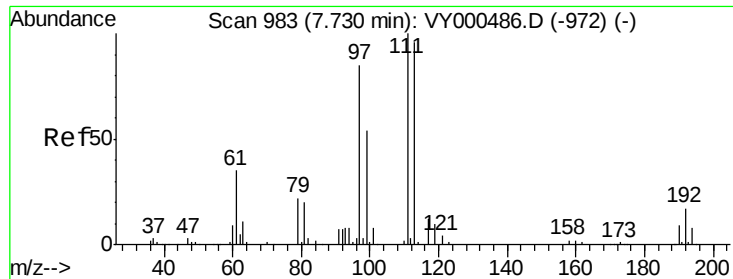
Ion Ratio Lower Upper

114 100

63 20.5 0.0 38.0

88 14.5 0.0 28.6





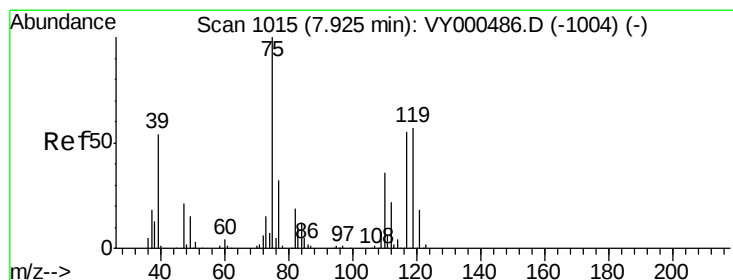
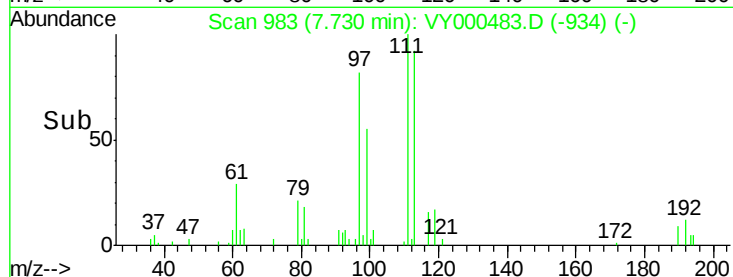
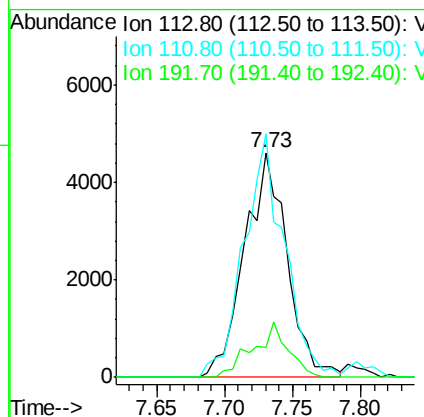
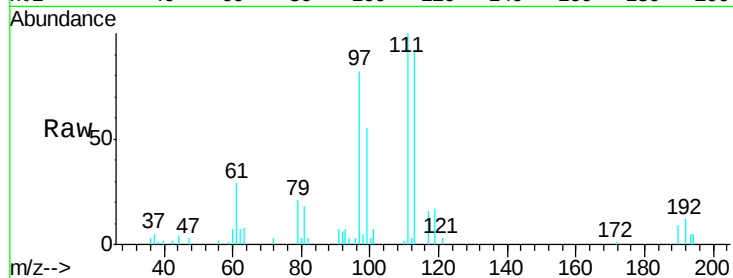
#35  
 Dibromofluoromethane  
 Concen: 4.460 ug/l  
 RT: 7.73 min Scan# 983  
 Delta R.T. -0.00 min  
 Lab File: VY000483.D  
 Acq: 30 Oct 2019 10:39

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDIC005

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 113     | 100   | 10085 |       |       |
| 111     | 102.5 | 81.7  | 122.5 |       |
| 192     | 20.2  | 15.0  | 22.4  |       |

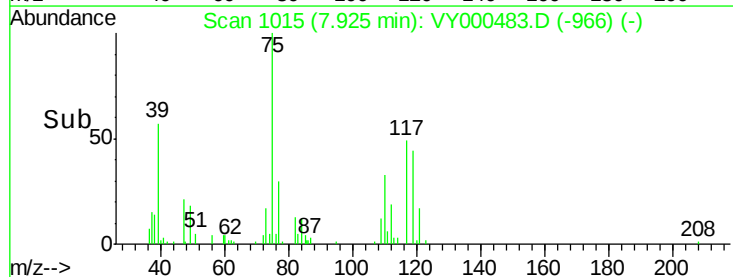
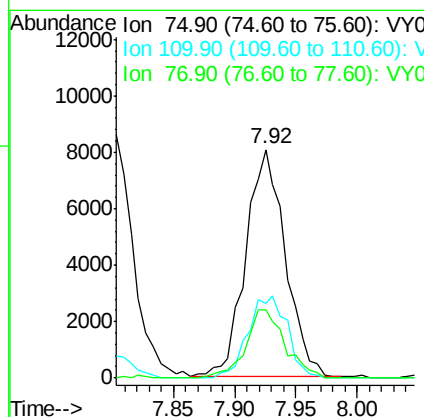
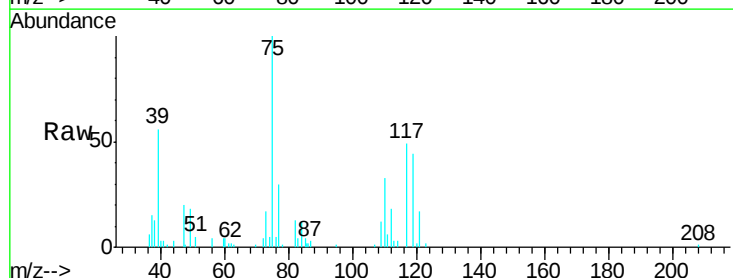
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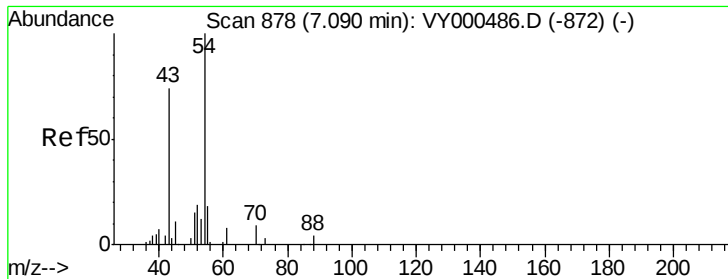
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#36  
 1,1-Dichloropropene  
 Concen: 4.984 ug/l  
 RT: 7.92 min Scan# 1015  
 Delta R.T. -0.00 min  
 Lab File: VY000483.D  
 Acq: 30 Oct 2019 10:39

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 75      | 100   | 18149 |       |       |
| 110     | 35.8  | 18.1  | 54.1  |       |
| 77      | 29.7  | 25.0  | 37.6  |       |





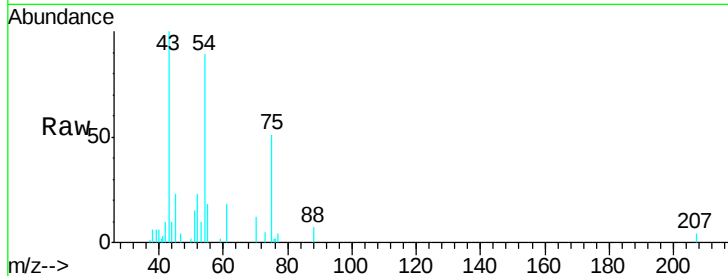
#37  
Ethyl Acetate  
Concen: 4.795 ug/l  
RT: 7.08 min Scan# 877  
Delta R.T. -0.01 min  
Lab File: VY000483.D  
Acq: 30 Oct 2019 10:39

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC005

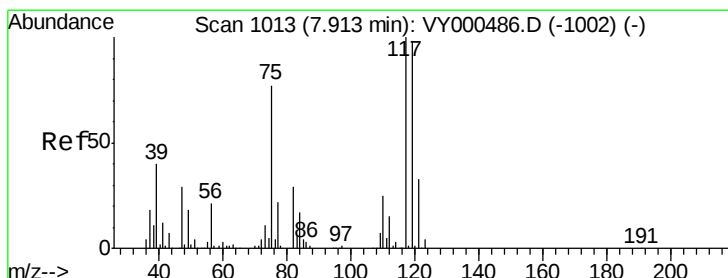
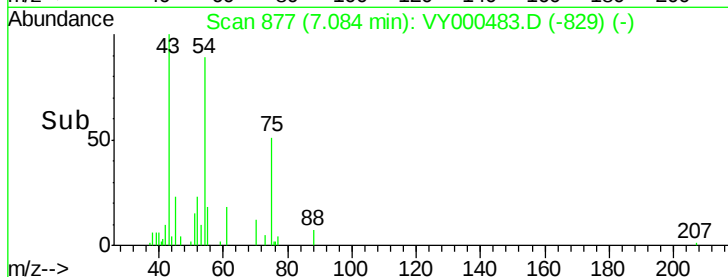
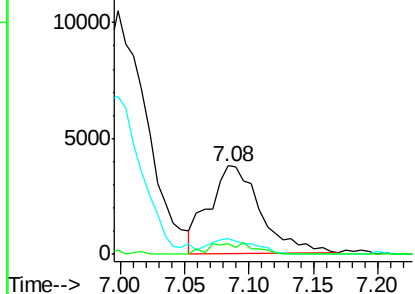
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 15.6  | 10.2  | 15.2# |
| 70      | 11.4  | 7.8   | 11.8  |

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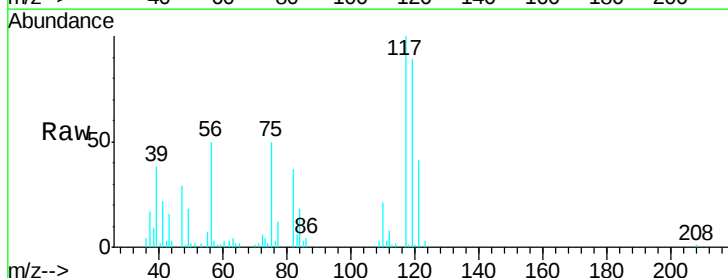


Abundance Ion 43.00 (42.70 to 43.70): VY0  
Ion 60.90 (60.60 to 61.60): VY0  
Ion 70.00 (69.70 to 70.70): VY0

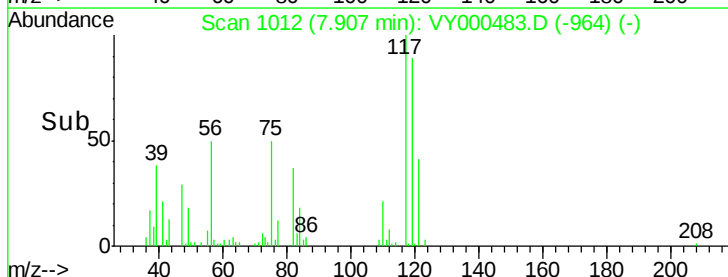
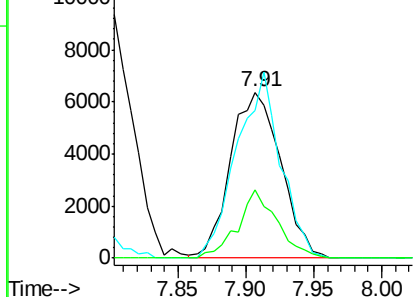


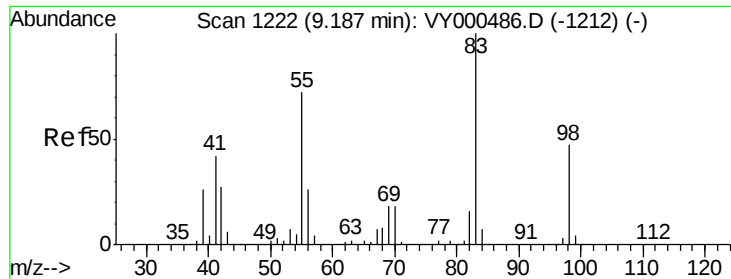
#38  
Carbon Tetrachloride  
Concen: 4.693 ug/l  
RT: 7.91 min Scan# 1012  
Delta R.T. -0.01 min  
Lab File: VY000483.D  
Acq: 30 Oct 2019 10:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 88.6  | 78.0  | 117.0 |
| 121     | 41.3  | 26.6  | 40.0# |



Abundance Ion 116.80 (116.50 to 117.50): V  
Ion 118.80 (118.50 to 119.50): V  
Ion 120.80 (120.50 to 121.50): V





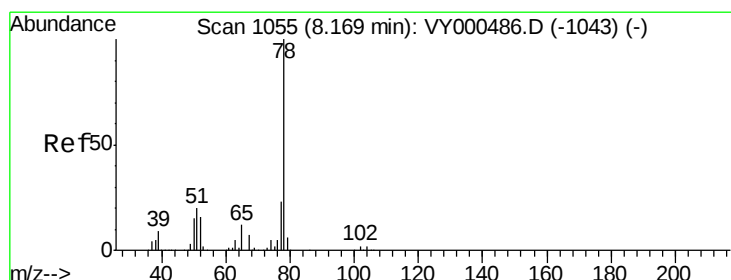
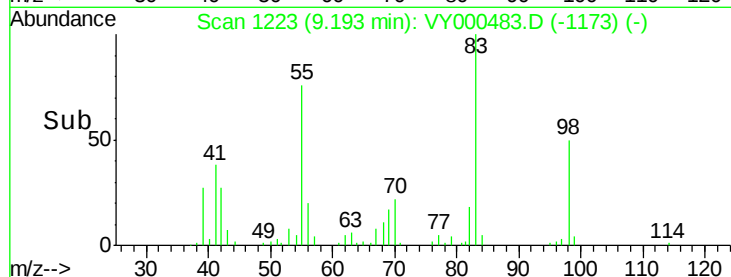
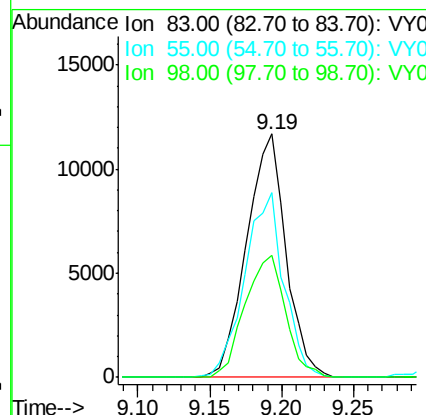
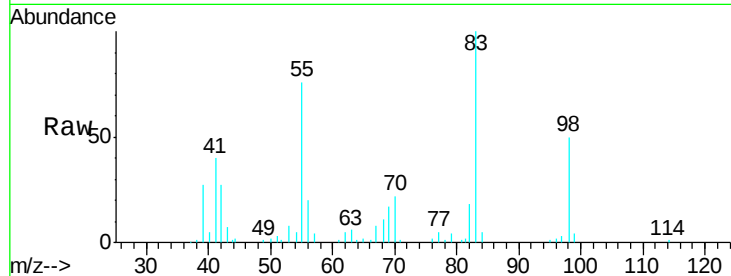
#39  
Methylcyclohexane  
Concen: 4.706 ug/l  
RT: 9.19 min Scan# 1223  
Delta R.T. 0.01 min  
Lab File: VY000483.D  
Acq: 30 Oct 2019 10:39

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC005

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 75.7  | 57.5  | 86.3  |
| 98      | 50.0  | 38.0  | 57.0  |

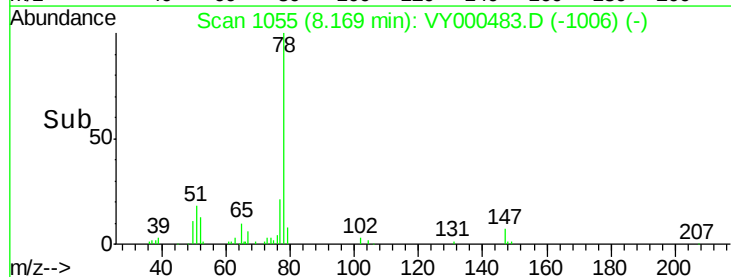
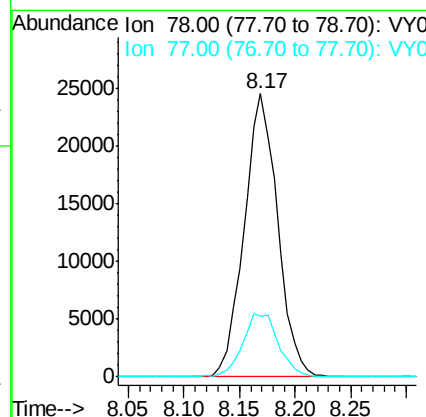
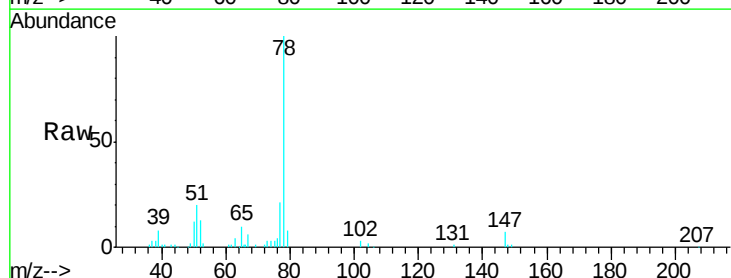
Manual Integrations  
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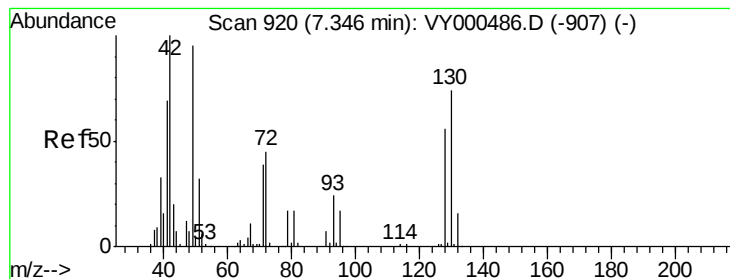
MMDadoda  
10/31/2019 11:30:37 AM



#40  
Benzene  
Concen: 4.789 ug/l  
RT: 8.17 min Scan# 1055  
Delta R.T. -0.00 min  
Lab File: VY000483.D  
Acq: 30 Oct 2019 10:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 21.4  | 18.6  | 28.0  |





#41

Methacrylonitrile

Concen: 4.313 ug/l m

RT: 7.33 min Scan# 917

Delta R.T. -0.02 min

Lab File: VY000483.D

Acq: 30 Oct 2019 10:39

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDIC005

Tgt Ion: 41 Resp: 5200

Ion Ratio Lower Upper

41 100

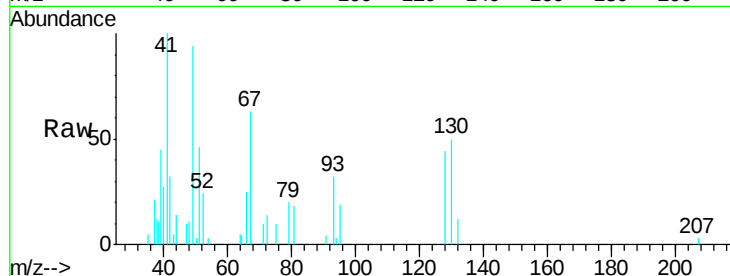
39 85.3 68.2 102.4

67 0.0 0.0 0.0

52 0.0 0.0 0.0

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10/31/2019 11:30:37 AM

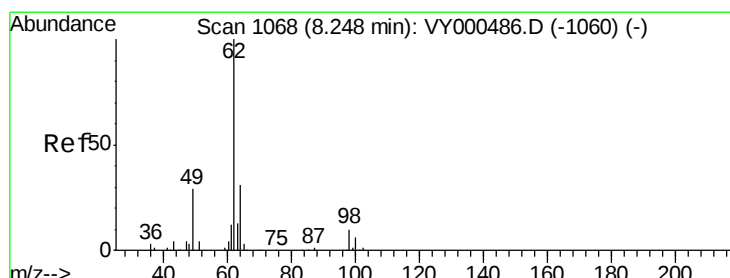
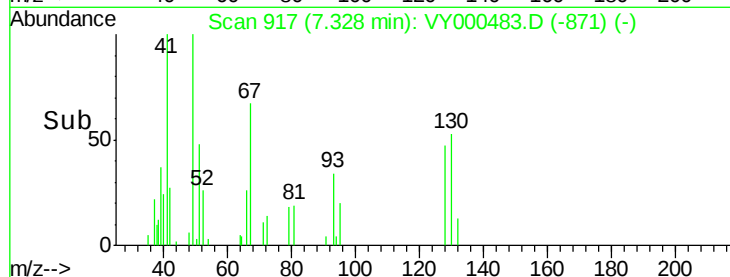
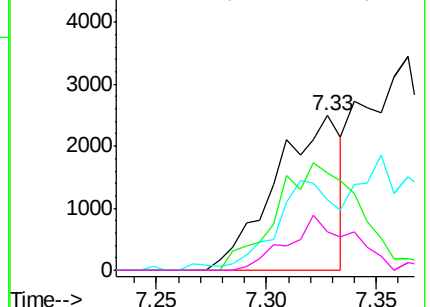


Abundance Ion 41.00 (40.70 to 41.70): VY000486.D (-907) (-)

Ion 39.00 (38.70 to 39.70): VY000486.D (-907) (-)

Ion 67.00 (66.70 to 67.70): VY000486.D (-907) (-)

Ion 52.00 (51.70 to 52.70): VY000486.D (-907) (-)



#42

1,2-Dichloroethane

Concen: 4.750 ug/l

RT: 8.25 min Scan# 1068

Delta R.T. -0.00 min

Lab File: VY000483.D

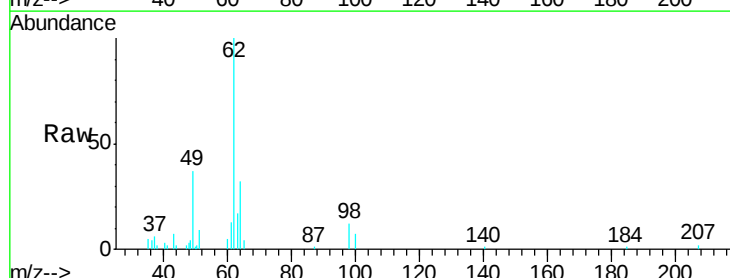
Acq: 30 Oct 2019 10:39

Tgt Ion: 62 Resp: 14383

Ion Ratio Lower Upper

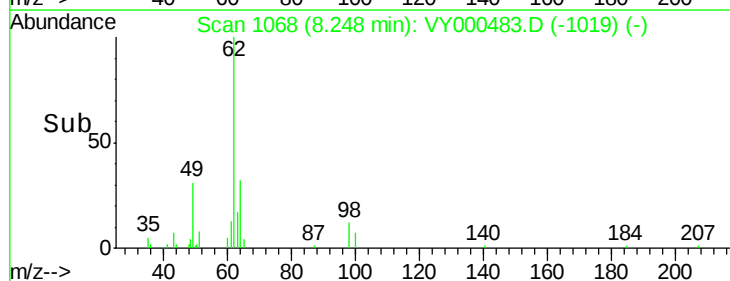
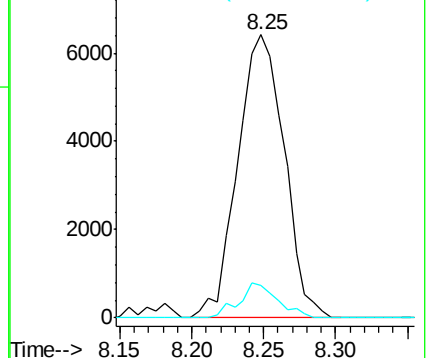
62 100

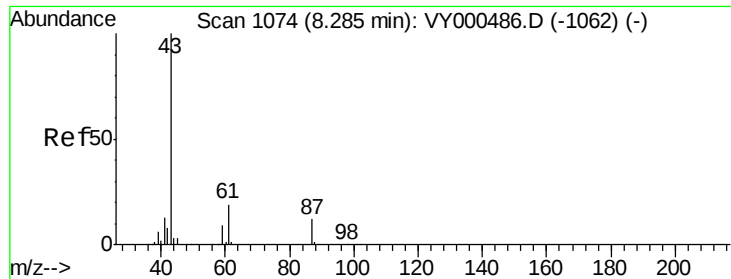
98 10.3 0.0 19.2



Abundance Ion 61.90 (61.60 to 62.60): VY000486.D (-1060) (-)

Ion 97.90 (97.60 to 98.60): VY000486.D (-1060) (-)





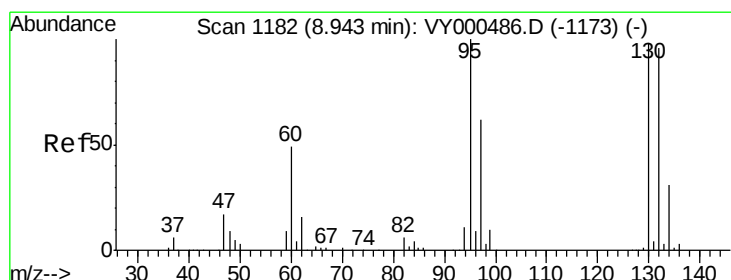
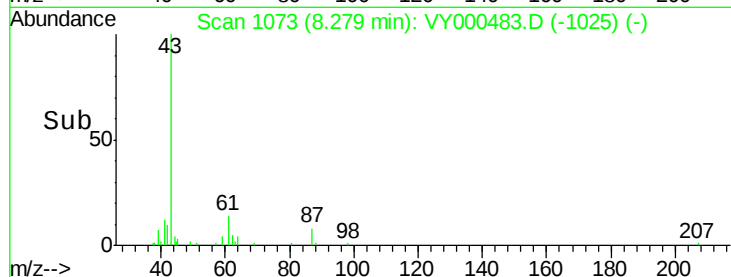
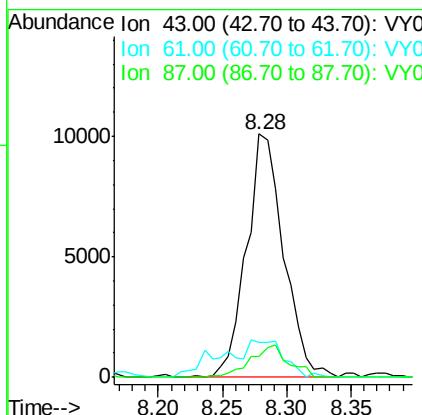
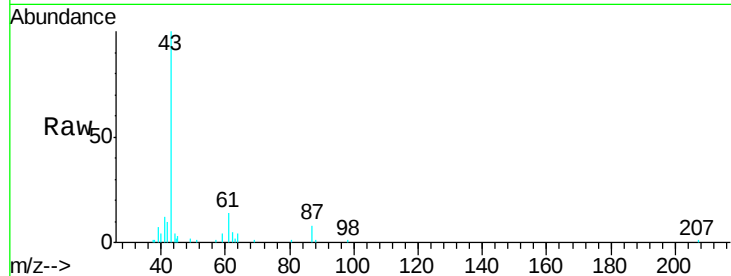
#43  
Isopropyl Acetate  
Concen: 4.962 ug/l  
RT: 8.28 min Scan# 1073  
Delta R.T. -0.01 min  
Lab File: VY000483.D  
Acq: 30 Oct 2019 10:39

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC005

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 14.4  | 23.0  | 34.4# |
| 87      | 13.6  | 10.5  | 15.7  |

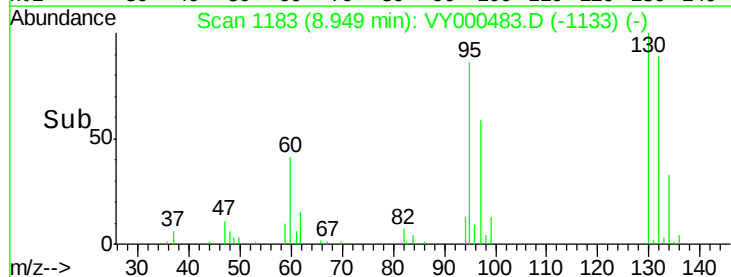
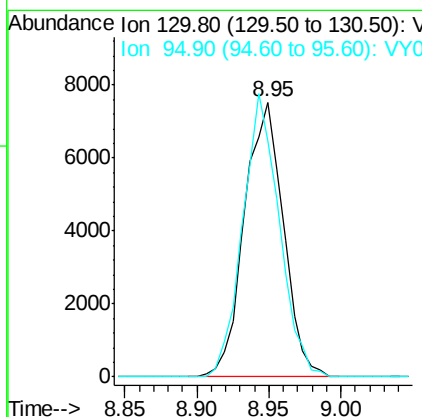
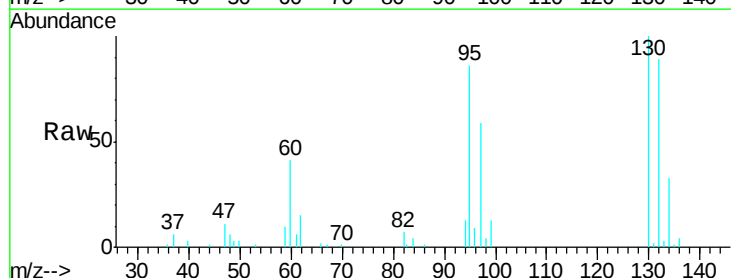
Manual Integrations  
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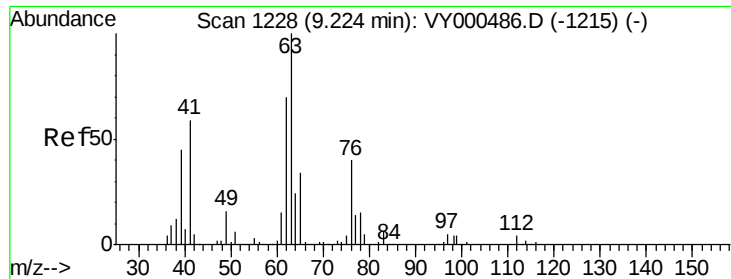
MMDadoda  
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#44  
Trichloroethene  
Concen: 5.003 ug/l  
RT: 8.95 min Scan# 1183  
Delta R.T. 0.01 min  
Lab File: VY000483.D  
Acq: 30 Oct 2019 10:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 130     | 100   |       |       |
| 95      | 85.8  | 0.0   | 203.2 |





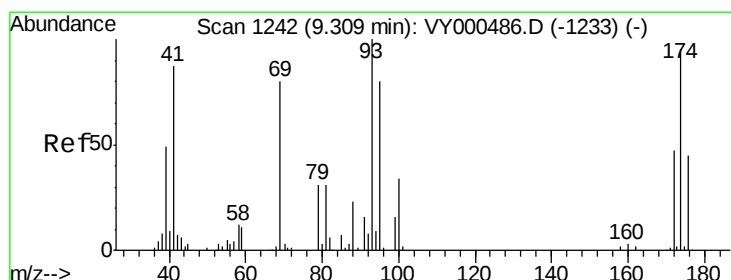
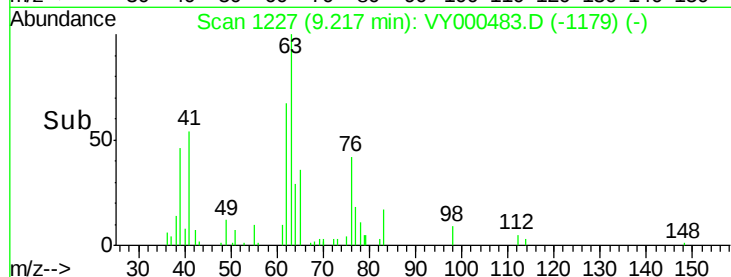
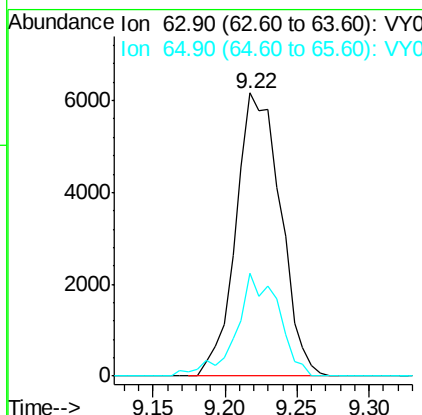
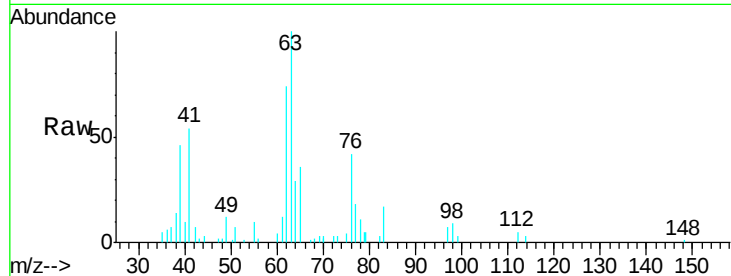
#45  
 1,2-Dichloropropane  
 Concen: 5.050 ug/l  
 RT: 9.22 min Scan# 1227  
 Delta R.T. -0.01 min  
 Lab File: VY000483.D  
 Acq: 30 Oct 2019 10:39

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDIC005

Tgt Ion: 63 Resp: 13268  
 Ion Ratio Lower Upper  
 63 100  
 65 36.3 27.0 40.4

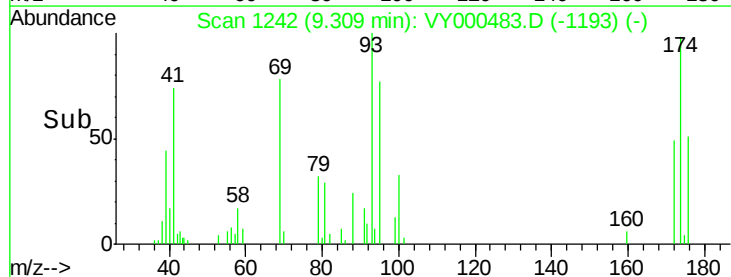
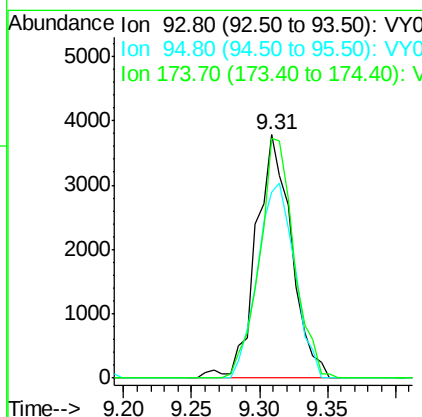
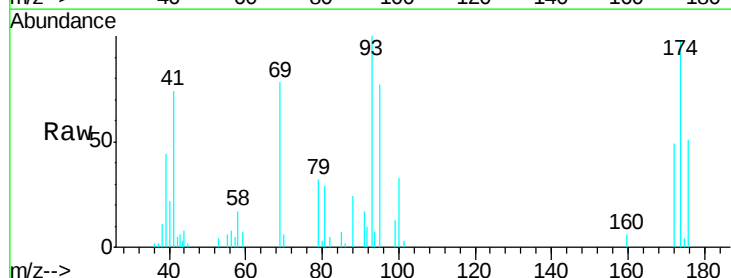
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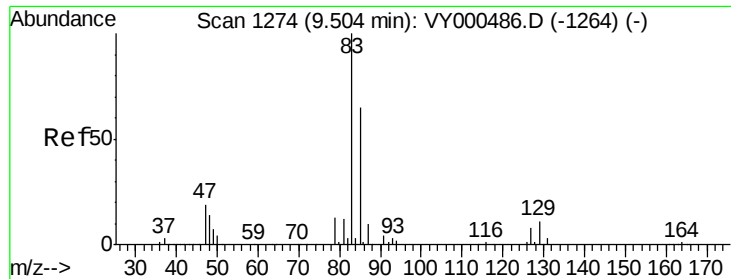
MMDadoda  
 10/31/2019 11:30:37 AM



#46  
 Dibromomethane  
 Concen: 4.785 ug/l  
 RT: 9.31 min Scan# 1242  
 Delta R.T. -0.00 min  
 Lab File: VY000483.D  
 Acq: 30 Oct 2019 10:39

Tgt Ion: 93 Resp: 6914  
 Ion Ratio Lower Upper  
 93 100  
 95 83.8 66.4 99.6  
 174 96.2 77.1 115.7





#47

Bromodichloromethane

Concen: 4.590 ug/l

RT: 9.50 min Scan# 1274

Delta R.T. -0.00 min

Lab File: VY000483.D

Acq: 30 Oct 2019 10:39

Instrument :

MSVOA\_Y

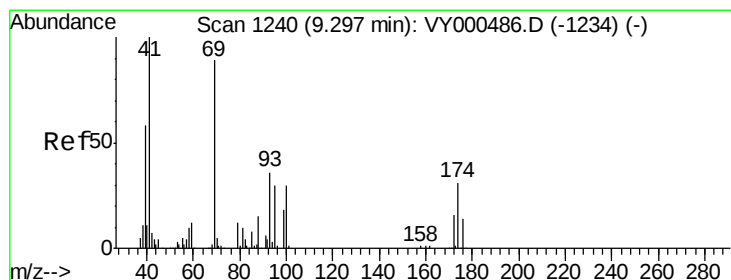
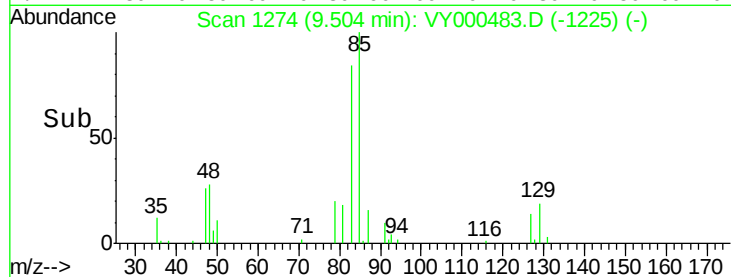
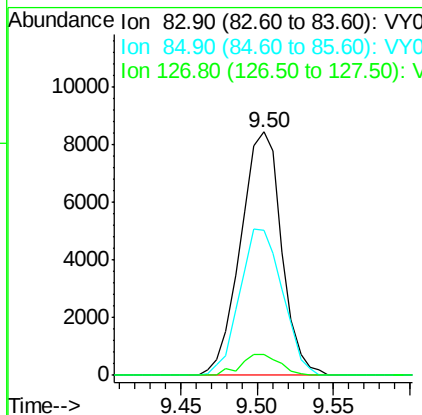
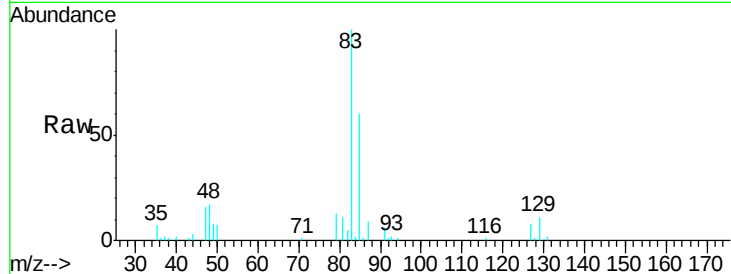
ClientSampleId :

VSTDIC005

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 15738 |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 85       | 59.5  | 51.8  | 77.8  |
| 127      | 8.4   | 6.7   | 10.1  |

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#48

Methyl methacrylate

Concen: 4.414 ug/l

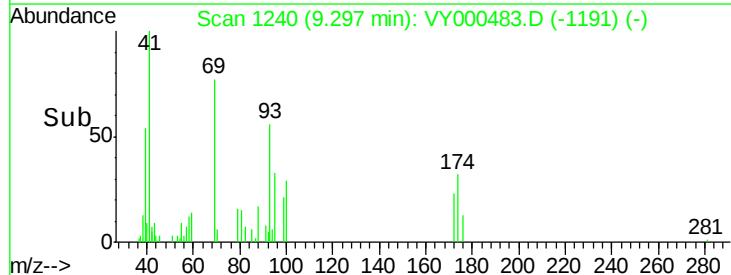
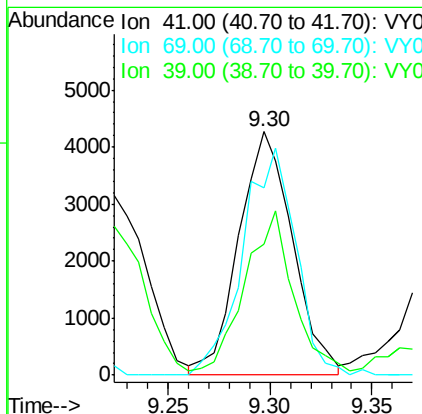
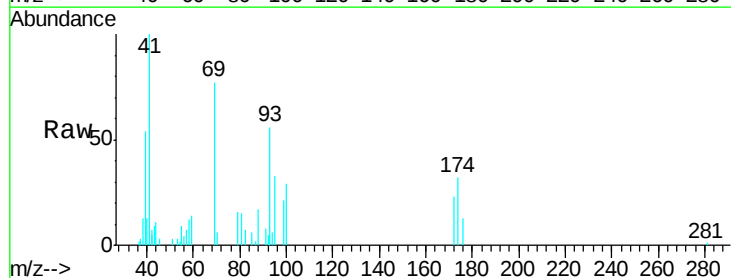
RT: 9.30 min Scan# 1240

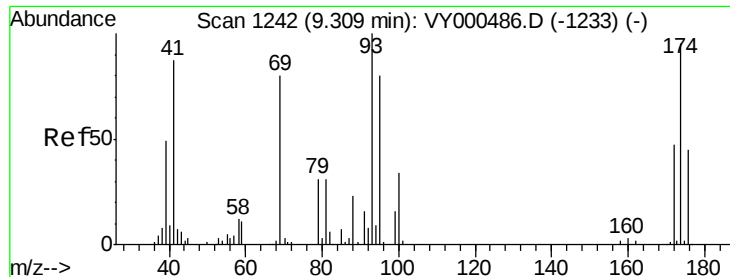
Delta R.T. -0.00 min

Lab File: VY000483.D

Acq: 30 Oct 2019 10:39

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 7832  |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 69       | 92.0  | 72.5  | 108.7 |
| 39       | 62.0  | 47.8  | 71.8  |





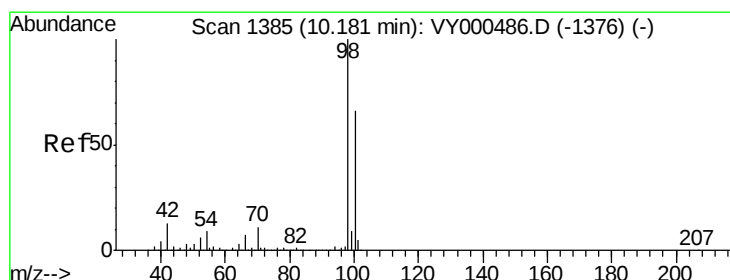
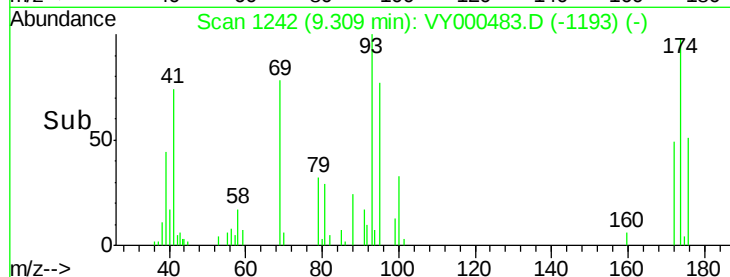
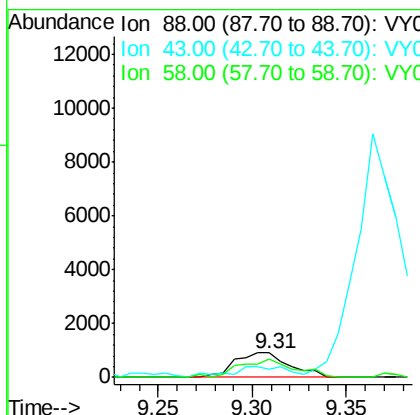
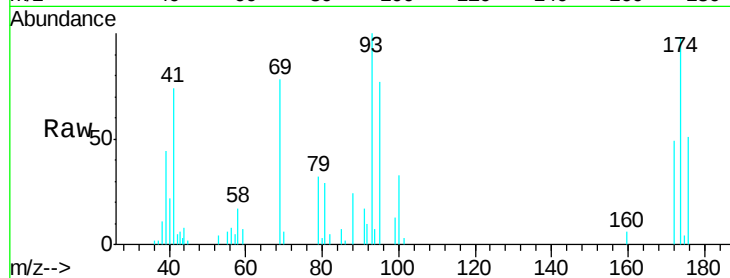
#49  
 1,4-Dioxane  
 Concen: 92.970 ug/l  
 RT: 9.31 min Scan# 1242  
 Delta R.T. -0.00 min  
 Lab File: VY000483.D  
 Acq: 30 Oct 2019 10:39

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDIC005

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 47.3  | 25.1  | 37.7# |
| 58      | 76.5  | 50.6  | 75.8# |

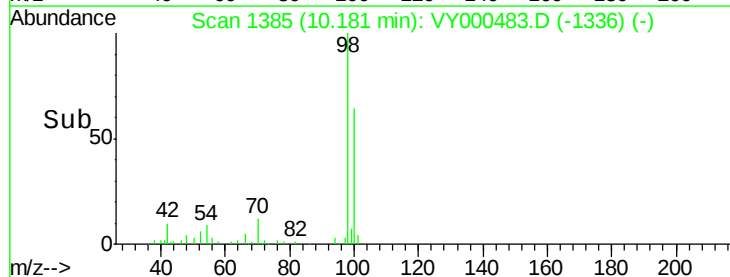
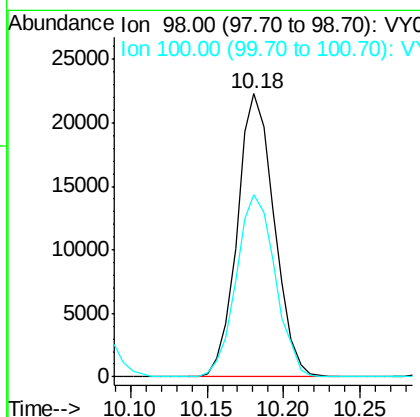
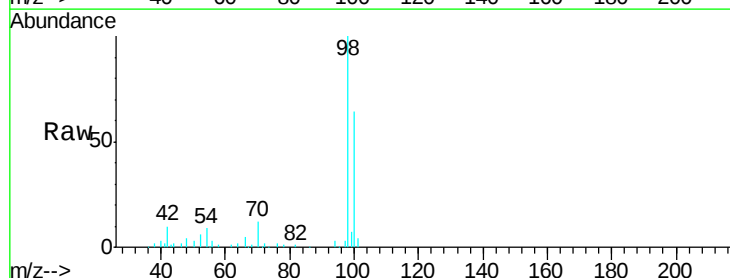
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#50  
 Toluene-d8  
 Concen: 4.346 ug/l  
 RT: 10.18 min Scan# 1385  
 Delta R.T. -0.00 min  
 Lab File: VY000483.D  
 Acq: 30 Oct 2019 10:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 68.0  | 52.9  | 79.3  |





#51

4-Methyl-2-Pentanone

Concen: 23.102 ug/l

RT: 10.07 min Scan# 1367

Delta R.T. -0.01 min

Lab File: VY000483.D

Acq: 30 Oct 2019 10:39

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDIC005

Tgt Ion: 43 Resp: 49881

Ion Ratio Lower Upper

43 100

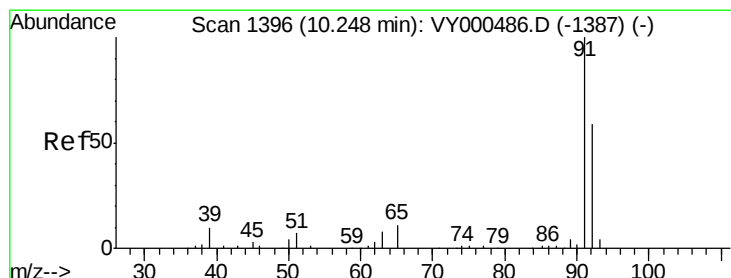
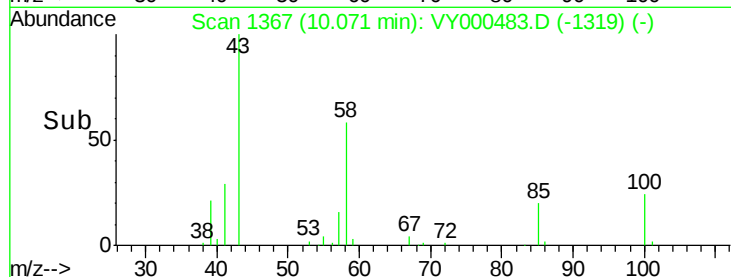
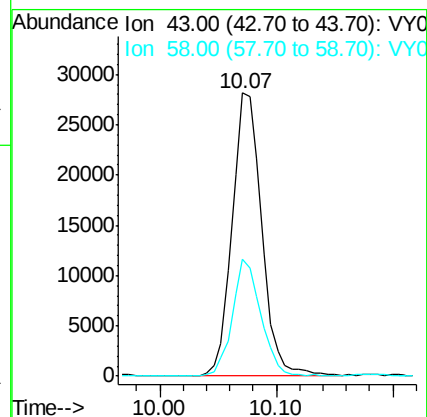
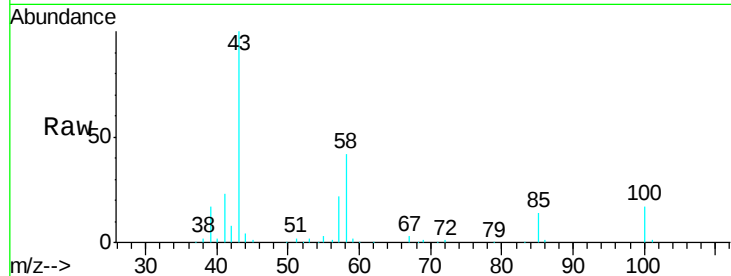
58 39.7 30.2 45.4

Manual Integrations

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#52

Toluene

Concen: 4.508 ug/l

RT: 10.25 min Scan# 1396

Delta R.T. -0.00 min

Lab File: VY000483.D

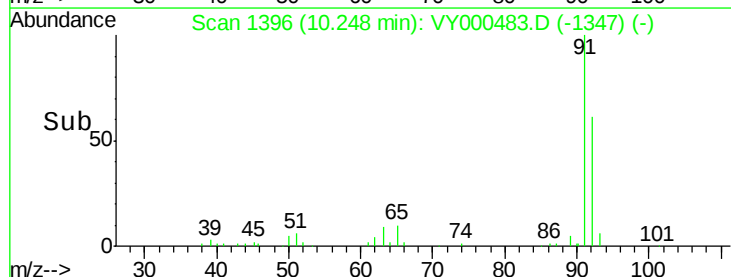
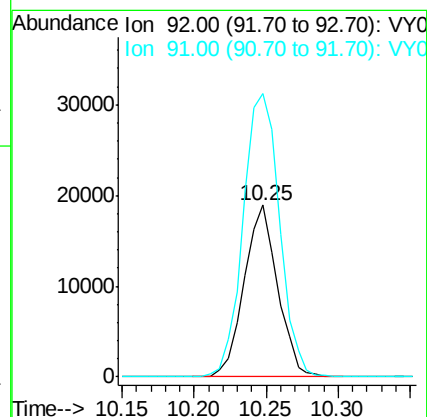
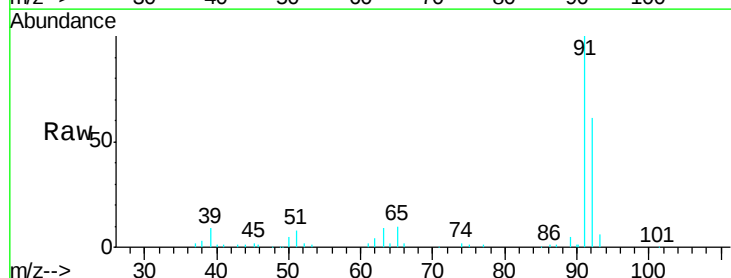
Acq: 30 Oct 2019 10:39

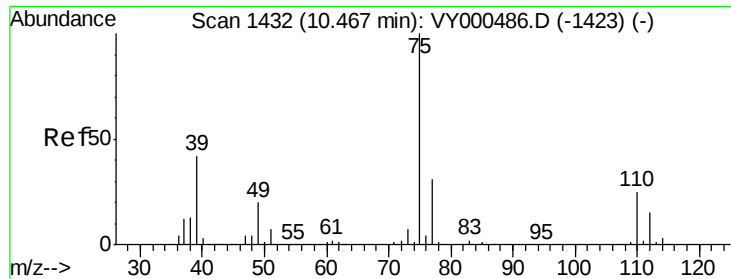
Tgt Ion: 92 Resp: 30427

Ion Ratio Lower Upper

92 100

91 179.6 136.3 204.5





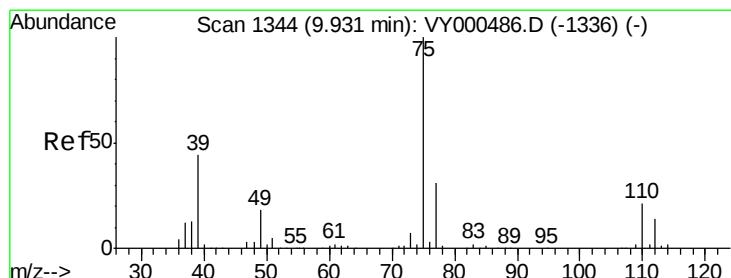
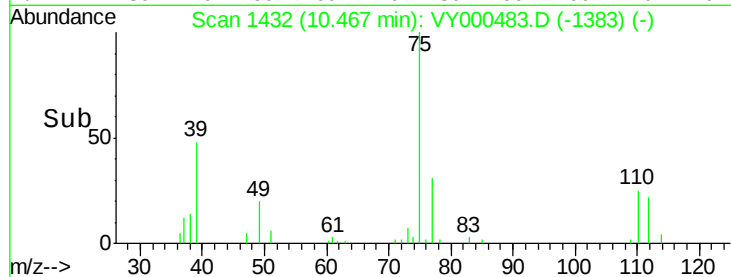
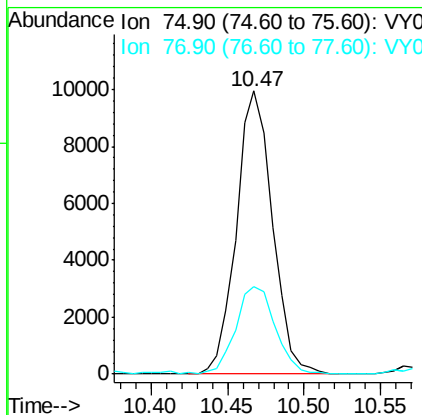
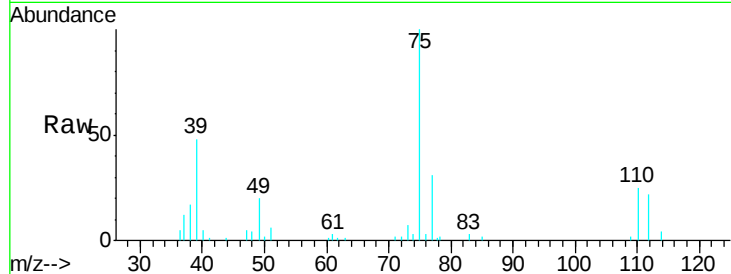
#53  
 t-1,3-Dichloropropene  
 Concen: 4.444 ug/l  
 RT: 10.47 min Scan# 1432  
 Delta R.T. -0.00 min  
 Lab File: VY000483.D  
 Acq: 30 Oct 2019 10:39

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDIC005

Tgt Ion: 75 Resp: 16280  
 Ion Ratio Lower Upper  
 75 100  
 77 30.9 24.6 37.0

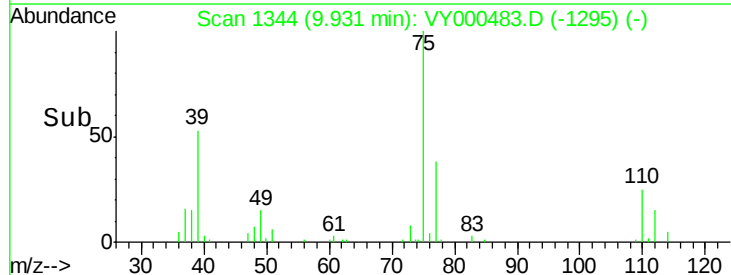
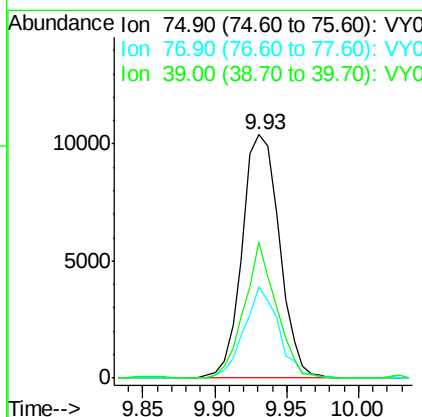
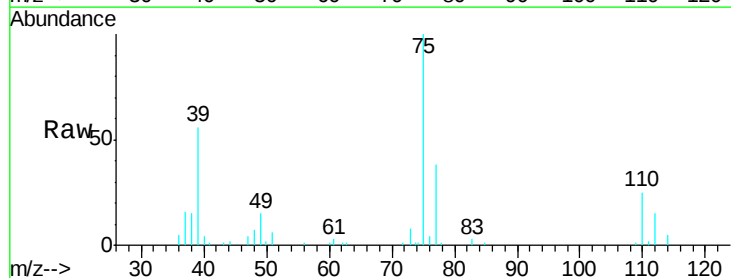
Manual Integrations  
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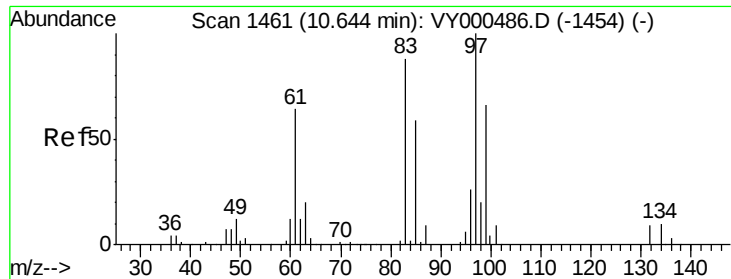
MMDadoda  
 10/31/2019 11:30:37 AM



#54  
 cis-1,3-Dichloropropene  
 Concen: 4.437 ug/l  
 RT: 9.93 min Scan# 1344  
 Delta R.T. -0.00 min  
 Lab File: VY000483.D  
 Acq: 30 Oct 2019 10:39

Tgt Ion: 75 Resp: 18620  
 Ion Ratio Lower Upper  
 75 100  
 77 37.5 24.5 36.7#  
 39 56.0 35.4 53.2#





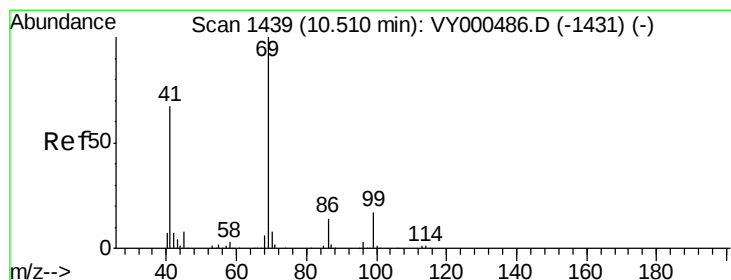
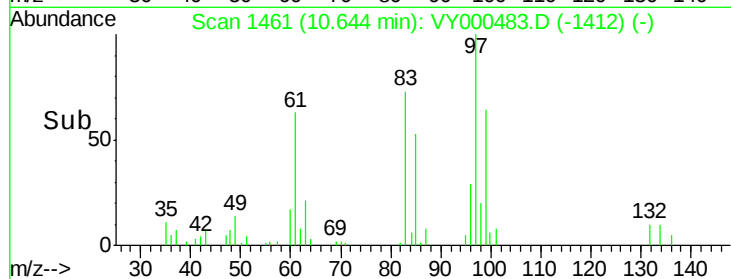
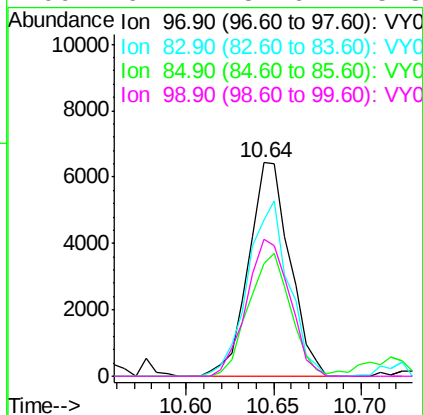
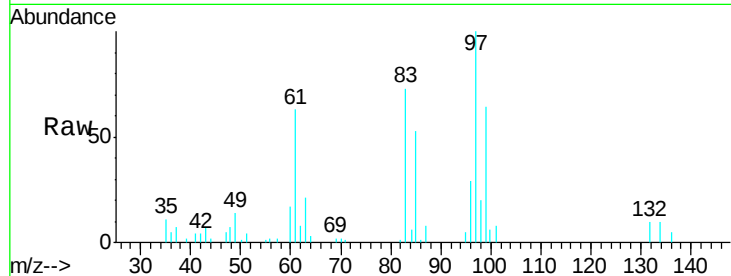
#55  
 1,1,2-Trichloroethane  
 Concen: 5.057 ug/l  
 RT: 10.64 min Scan# 1461  
 Delta R.T. -0.00 min  
 Lab File: VY000483.D  
 Acq: 30 Oct 2019 10:39

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDIC005

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 10569 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 73.1  | 70.2  | 105.4 |
| 85       | 52.6  | 46.9  | 70.3  |
| 99       | 64.4  | 52.6  | 78.8  |

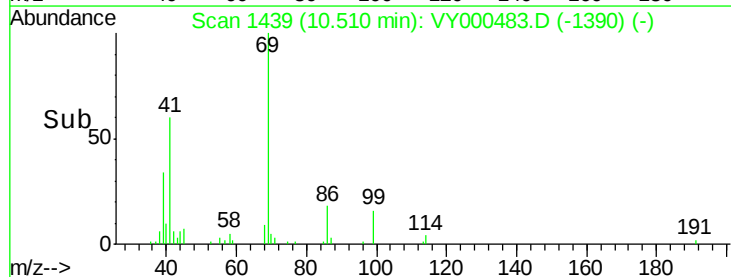
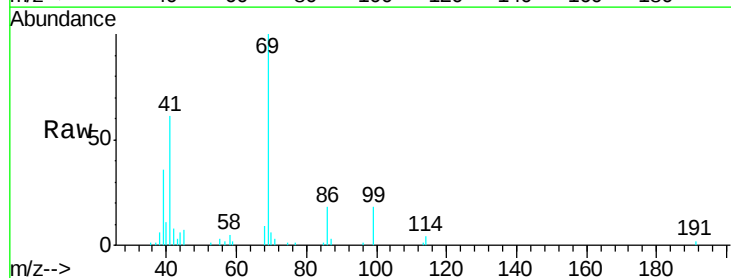
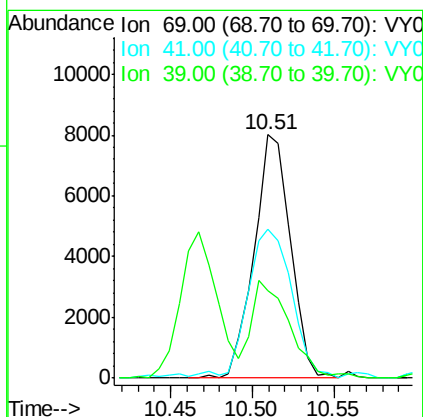
Manual Integrations  
 APPROVED

MMDadoda  
 10/31/2019 11:30:37 AM



#56  
 Ethyl methacrylate  
 Concen: 4.202 ug/l  
 RT: 10.51 min Scan# 1439  
 Delta R.T. -0.00 min  
 Lab File: VY000483.D  
 Acq: 30 Oct 2019 10:39

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 69    | Resp: | 12446 |
| Ion      | Ratio | Lower | Upper |
| 69       | 100   |       |       |
| 41       | 75.3  | 53.3  | 79.9  |
| 39       | 42.3  | 28.0  | 42.0# |





#57

1,3-Dichloropropane

Concen: 4.710 ug/l

RT: 10.79 min Scan# 1485

Delta R.T. -0.00 min

Lab File: VY000483.D

Acq: 30 Oct 2019 10:39

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDIC005

Tgt Ion: 76 Resp: 17227

Ion Ratio Lower Upper

76 100

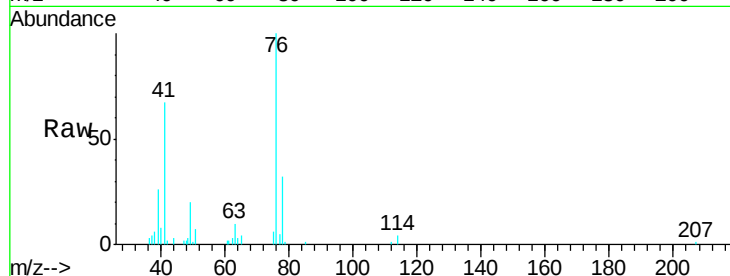
78 35.8 25.2 37.8

Manual Integrations

APPROVED

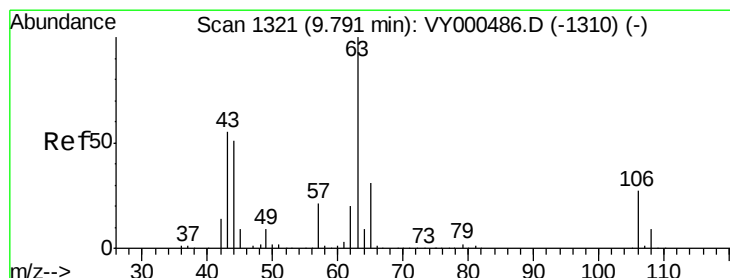
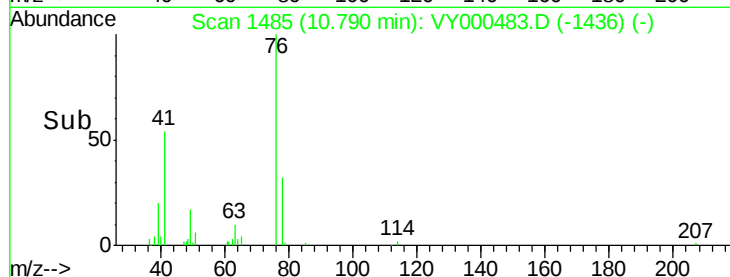
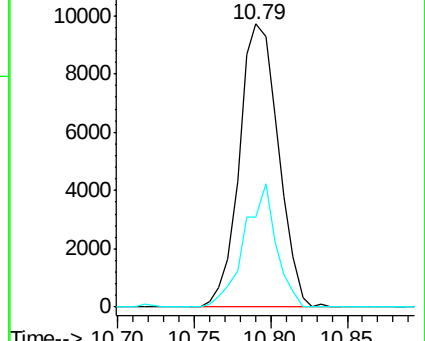
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0



#58

2-Chloroethyl Vinyl ether

Concen: 25.937 ug/l

RT: 9.79 min Scan# 1321

Delta R.T. -0.00 min

Lab File: VY000483.D

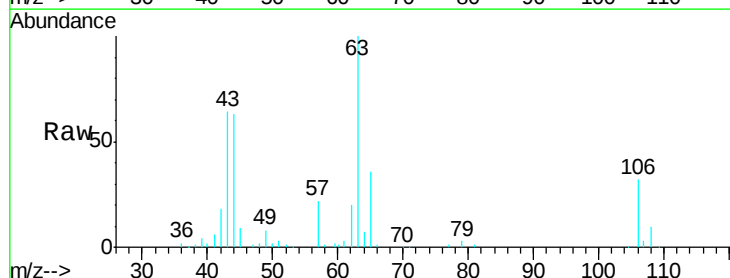
Acq: 30 Oct 2019 10:39

Tgt Ion: 63 Resp: 34734

Ion Ratio Lower Upper

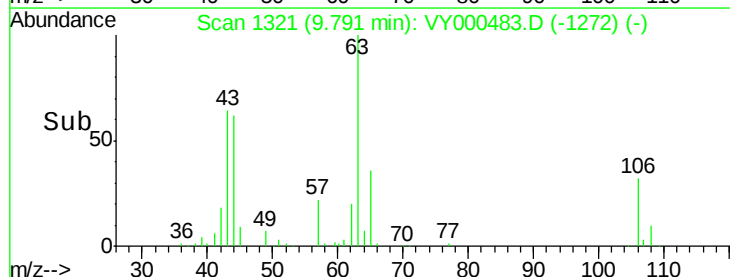
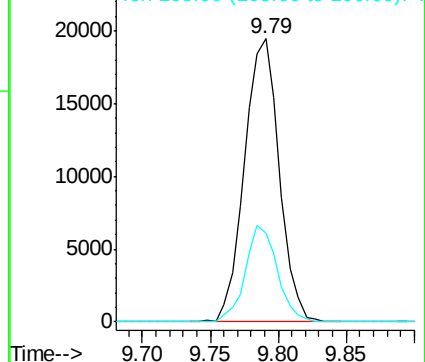
63 100

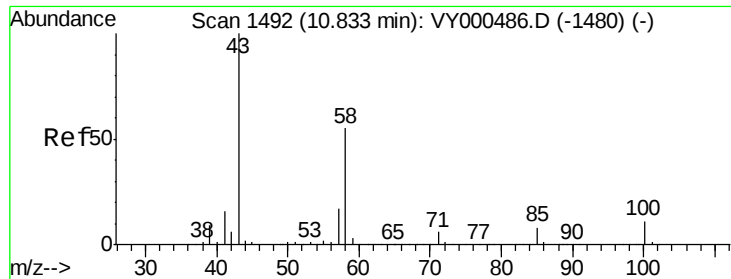
106 31.3 22.6 33.8



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 105.90 (105.60 to 106.60): V





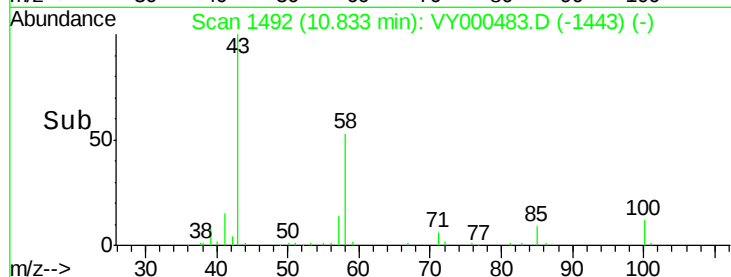
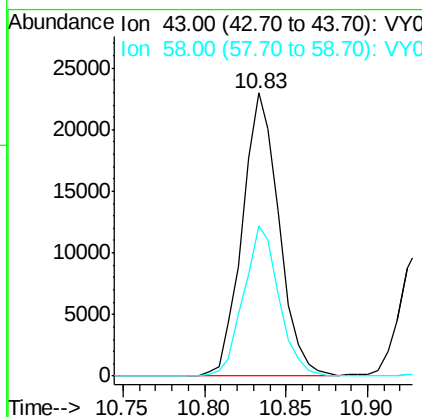
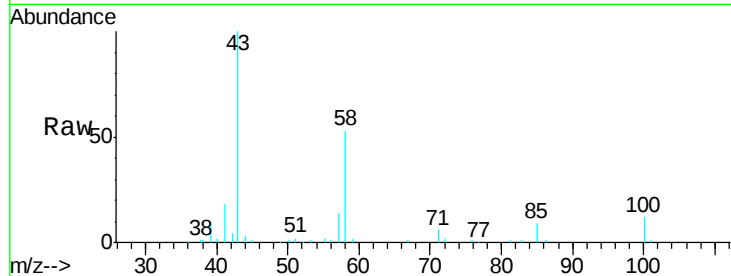
#59  
2-Hexanone  
Concen: 22.932 ug/l  
RT: 10.83 min Scan# 1492  
Delta R.T. -0.00 min  
Lab File: VY000483.D  
Acq: 30 Oct 2019 10:39

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC005

Tgt Ion: 43 Resp: 36075  
Ion Ratio Lower Upper  
43 100  
58 51.0 27.1 81.3

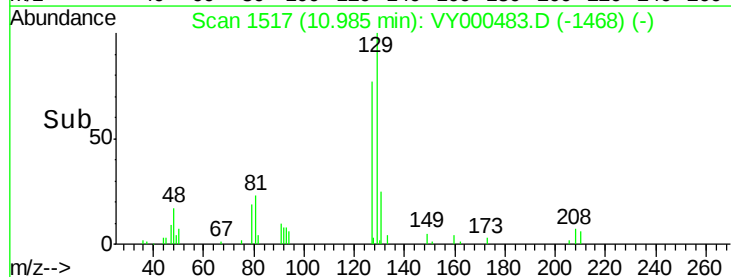
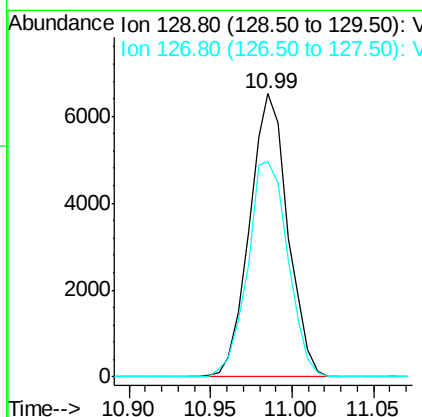
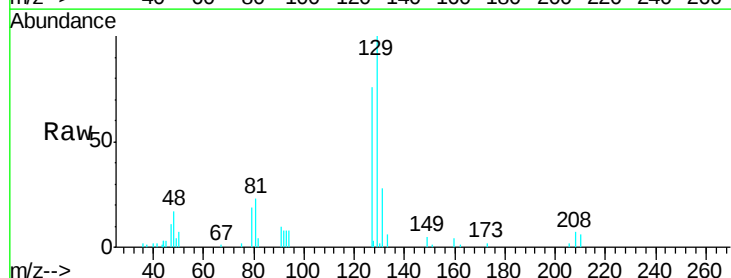
Manual Integrations  
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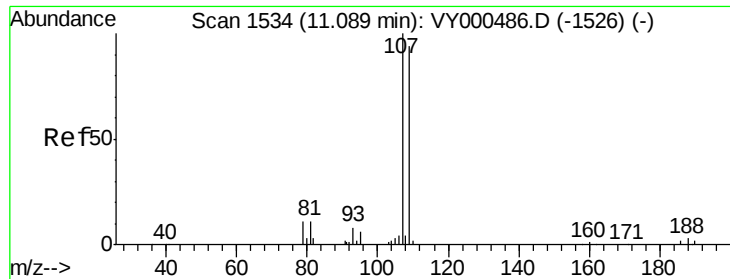
MMDadoda  
10/31/2019 11:30:37 AM



#60  
Dibromochloromethane  
Concen: 4.438 ug/l  
RT: 10.99 min Scan# 1517  
Delta R.T. -0.00 min  
Lab File: VY000483.D  
Acq: 30 Oct 2019 10:39

Tgt Ion: 129 Resp: 10624  
Ion Ratio Lower Upper  
129 100  
127 80.2 39.1 117.2





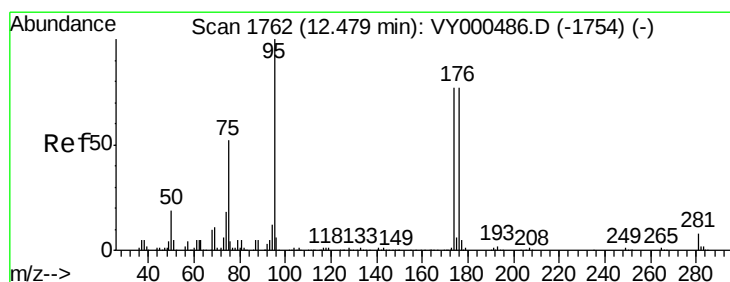
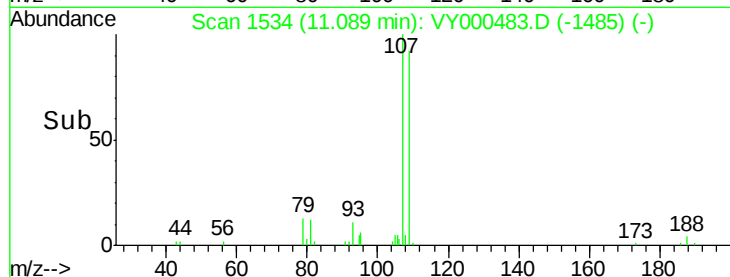
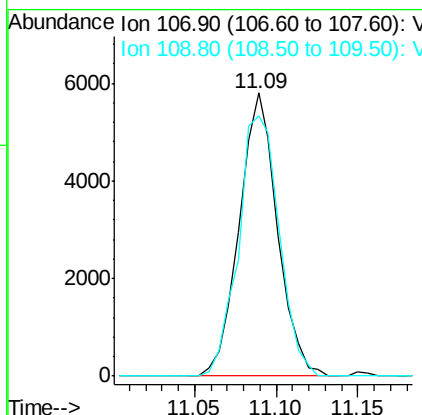
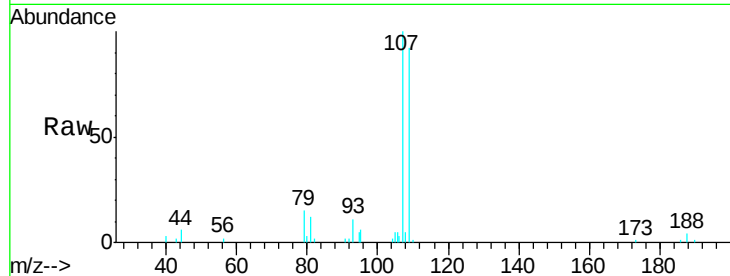
#61  
 1,2-Dibromoethane  
 Concen: 4.692 ug/l  
 RT: 11.09 min Scan# 1534  
 Delta R.T. -0.00 min  
 Lab File: VY000483.D  
 Acq: 30 Oct 2019 10:39

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDIC005

Tgt Ion: 107 Resp: 9428  
 Ion Ratio Lower Upper  
 107 100  
 109 98.6 73.6 110.4

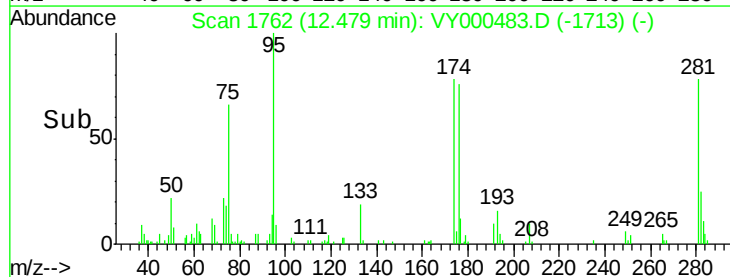
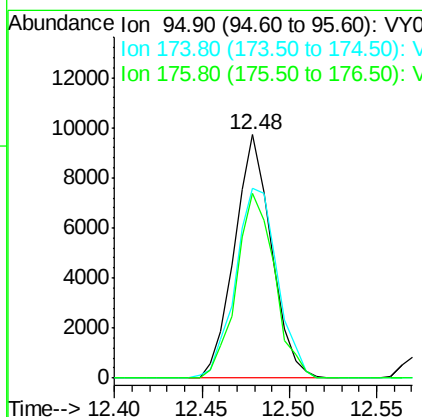
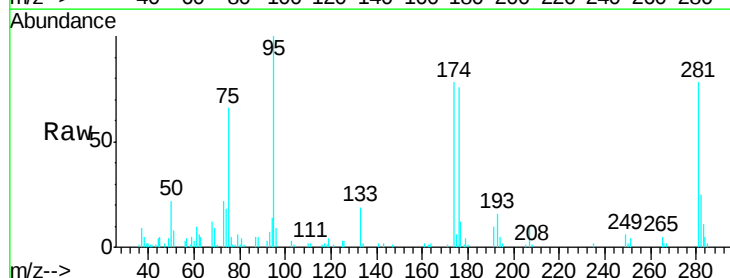
Manual Integrations  
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#62  
 4-Bromofluorobenzene  
 Concen: 4.371 ug/l  
 RT: 12.48 min Scan# 1762  
 Delta R.T. -0.00 min  
 Lab File: VY000483.D  
 Acq: 30 Oct 2019 10:39

Tgt Ion: 95 Resp: 14278  
 Ion Ratio Lower Upper  
 95 100  
 174 88.8 0.0 161.6  
 176 78.2 0.0 157.8





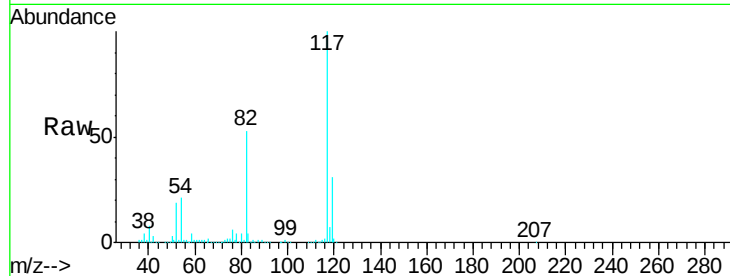
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.49 min Scan# 1600  
Delta R.T. -0.00 min  
Lab File: VY000483.D  
Acq: 30 Oct 2019 10:39

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC005

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 117     | 100   | 347618 |       |       |
| 82      | 53.4  | 40.8   | 61.2  |       |
| 119     | 31.0  | 26.2   | 39.2  |       |

Manual Integrations  
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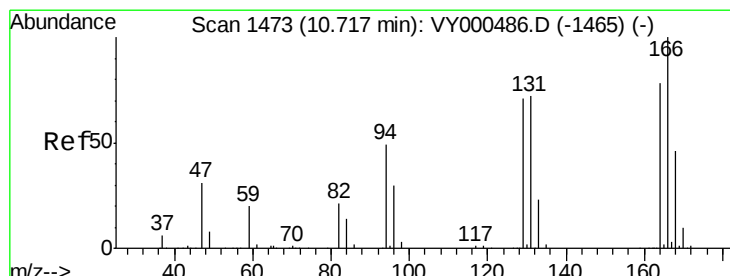
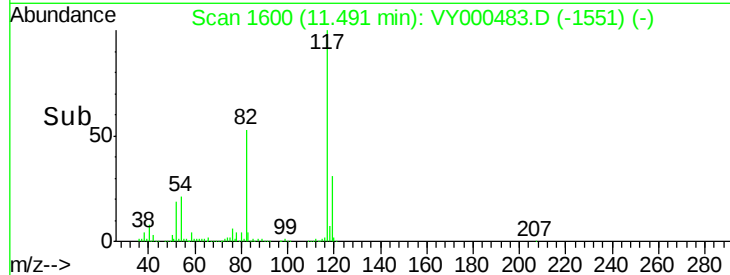
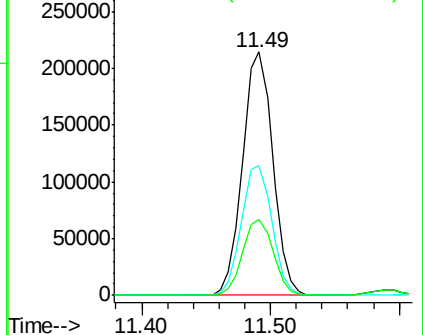


Abundance

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: 4.850 ug/l  
RT: 10.72 min Scan# 1473  
Delta R.T. -0.00 min  
Lab File: VY000483.D  
Acq: 30 Oct 2019 10:39

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 164     | 100   | 13941 |       |       |
| 166     | 132.9 | 102.7 | 154.1 |       |
| 129     | 103.1 | 73.2  | 109.8 |       |
| 131     | 94.1  | 74.2  | 111.2 |       |

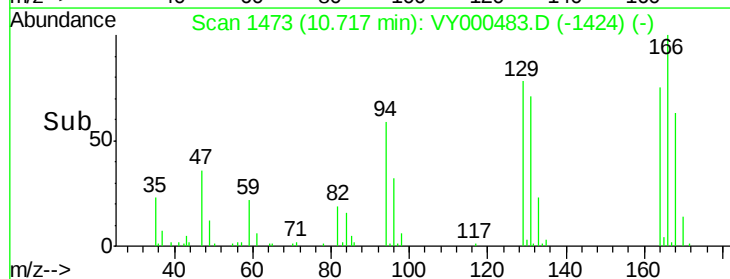
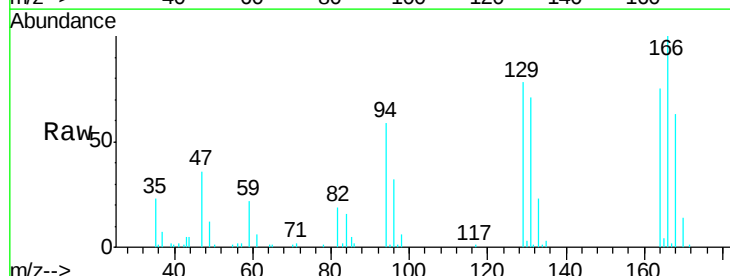
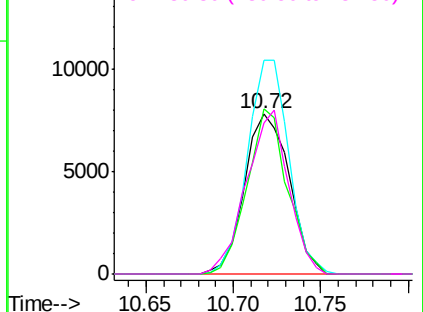
Abundance

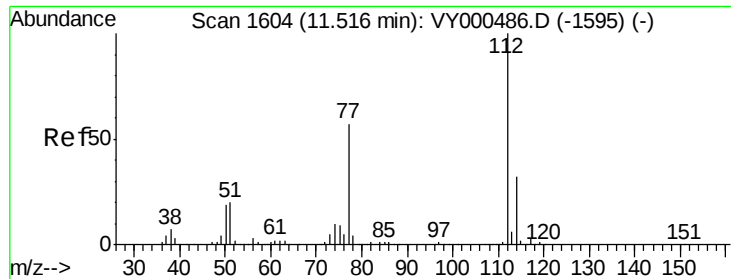
Ion 163.80 (163.50 to 164.50): V

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





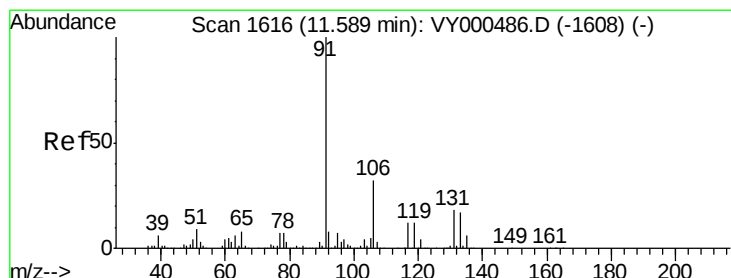
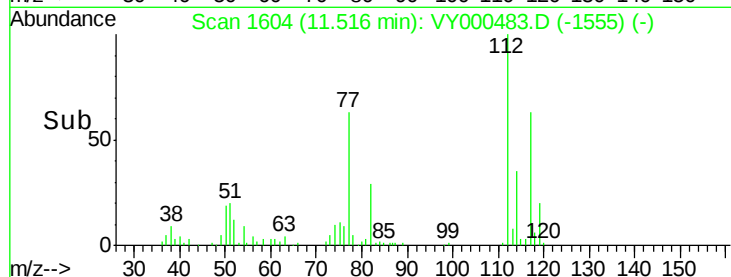
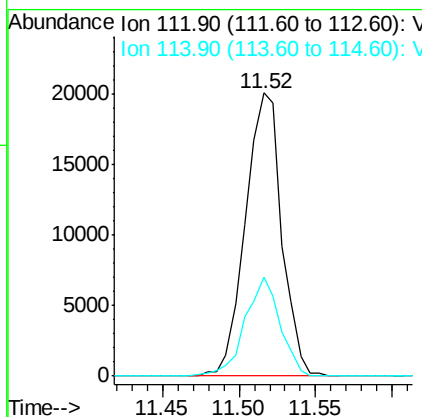
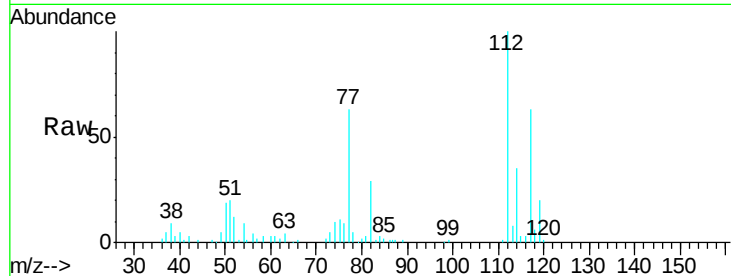
#65  
Chlorobenzene  
Concen: 4.693 ug/l  
RT: 11.52 min Scan# 1604  
Delta R.T. -0.00 min  
Lab File: VY000483.D  
Acq: 30 Oct 2019 10:39

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC005

Tgt Ion:112 Resp: 33079  
Ion Ratio Lower Upper  
112 100  
114 35.0 25.3 37.9

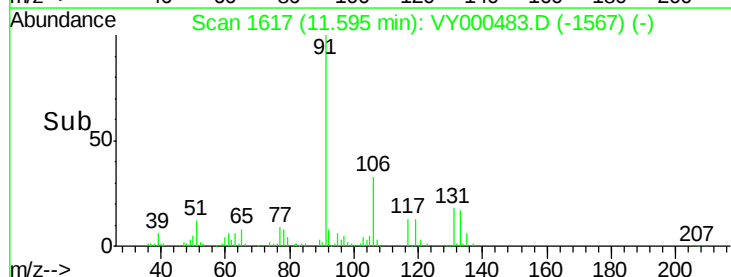
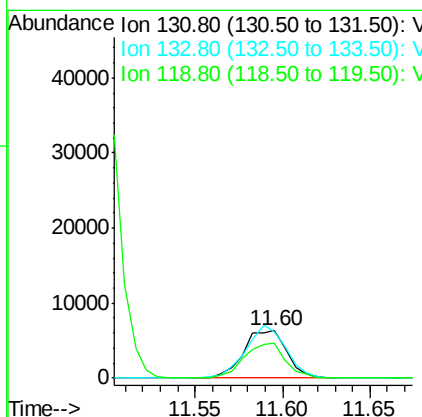
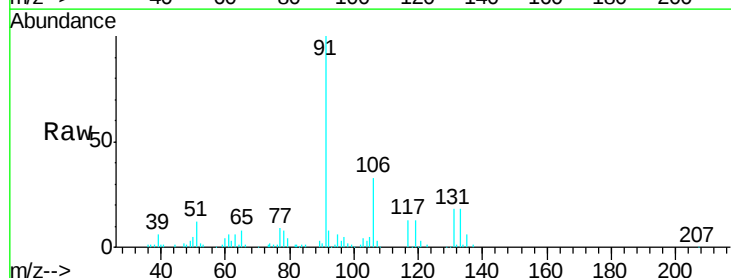
Manual Integrations  
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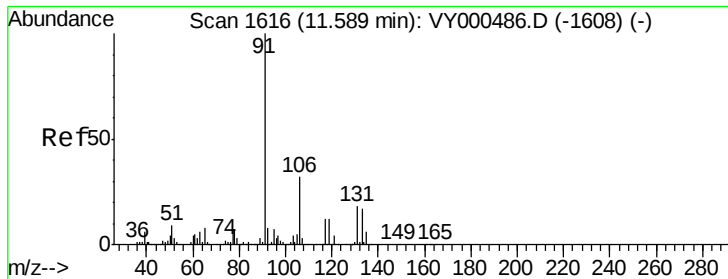
MMDadoda  
10/31/2019 11:30:37 AM



#66  
1,1,1,2-Tetrachloroethane  
Concen: 4.447 ug/l  
RT: 11.60 min Scan# 1617  
Delta R.T. 0.01 min  
Lab File: VY000483.D  
Acq: 30 Oct 2019 10:39

Tgt Ion:131 Resp: 10869  
Ion Ratio Lower Upper  
131 100  
133 102.9 47.9 143.8  
119 70.7 33.1 99.3





#67

Ethyl Benzene

Concen: 4.503 ug/l

RT: 11.59 min Scan# 1616

Delta R.T. -0.00 min

Lab File: VY000483.D

Acq: 30 Oct 2019 10:39

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDIC005

Tgt Ion: 91 Resp: 58403

Ion Ratio Lower Upper

91 100

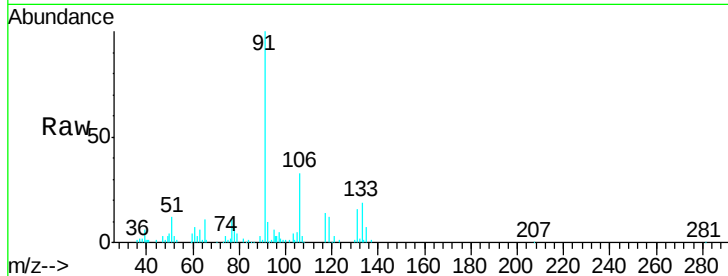
106 33.2 25.4 38.0

Manual Integrations

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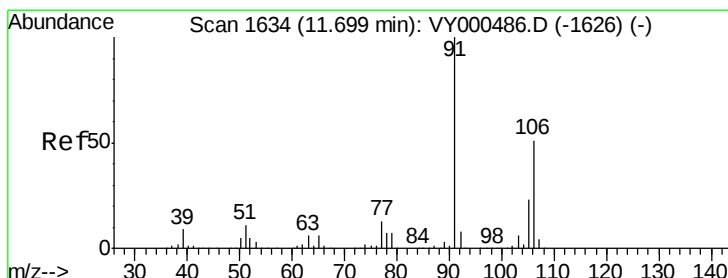
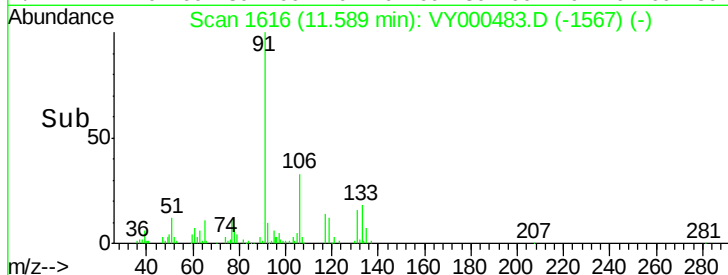
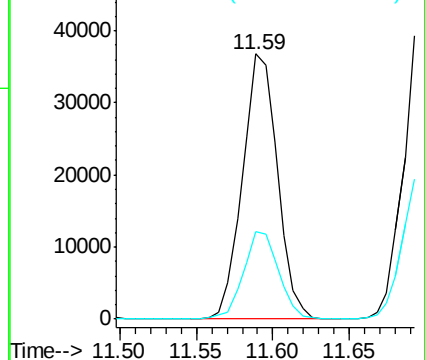
MMDadoda

10/31/2019 11:30:37 AM



Abundance Ion 91.00 (90.70 to 91.70): VY000486.D (-1608) (-)

Ion 106.00 (105.70 to 106.70): VY000486.D (-1608) (-)



#68

m/p-Xylenes

Concen: 9.372 ug/l

RT: 11.70 min Scan# 1634

Delta R.T. -0.00 min

Lab File: VY000483.D

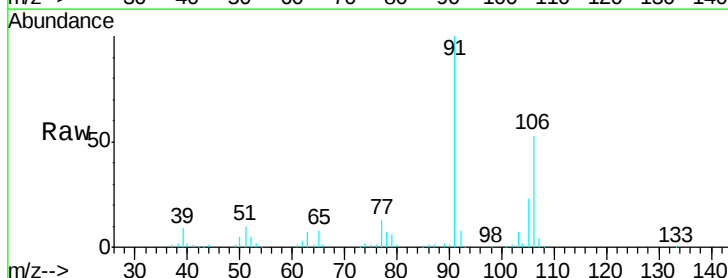
Acq: 30 Oct 2019 10:39

Tgt Ion: 106 Resp: 47049

Ion Ratio Lower Upper

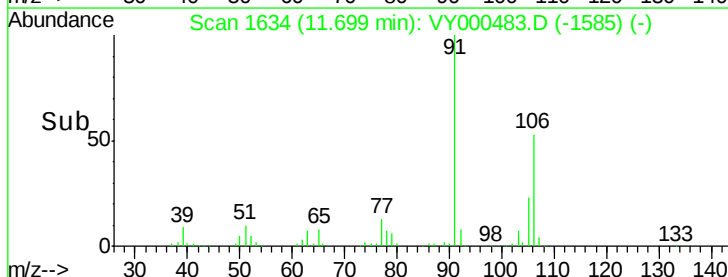
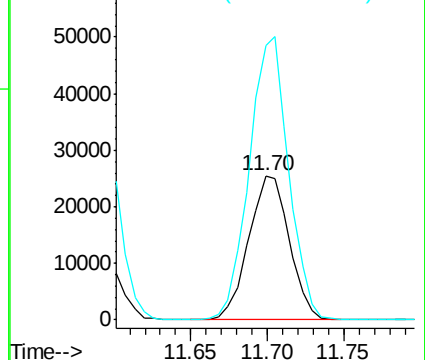
106 100

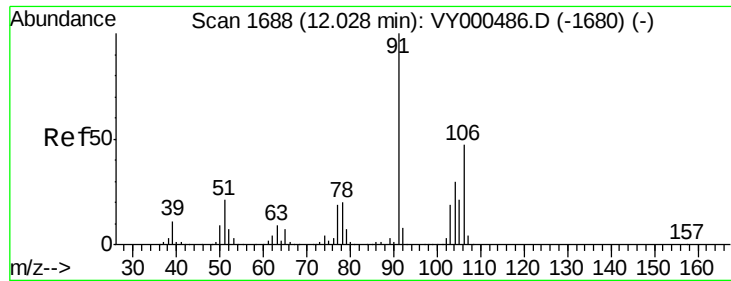
91 190.0 155.9 233.9



Abundance Ion 106.00 (105.70 to 106.70): VY000486.D (-1626) (-)

Ion 91.00 (90.70 to 91.70): VY000486.D (-1626) (-)





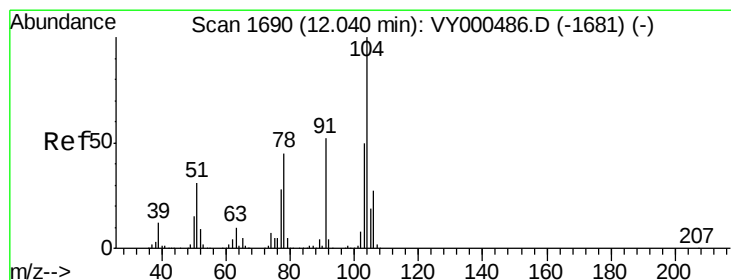
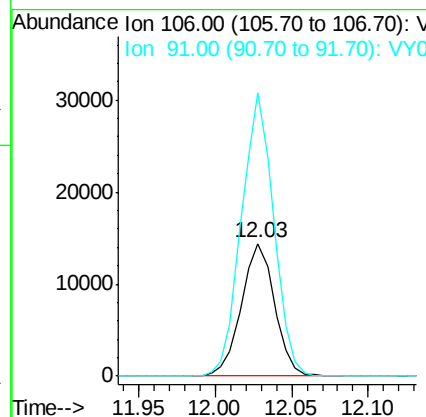
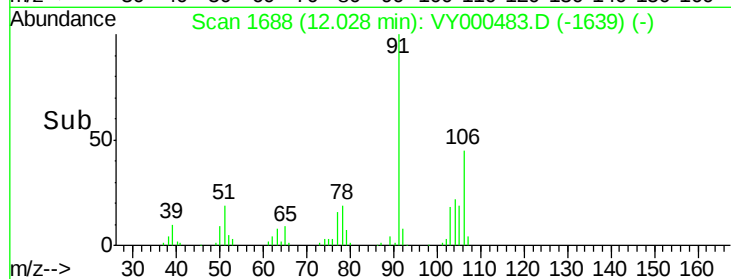
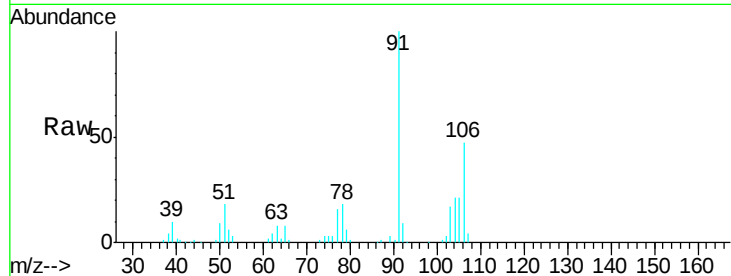
#69  
o-Xylene  
Concen: 4.610 ug/l  
RT: 12.03 min Scan# 1688  
Delta R.T. -0.00 min  
Lab File: VY000483.D  
Acq: 30 Oct 2019 10:39

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC005

Tgt Ion:106 Resp: 21753  
Ion Ratio Lower Upper  
106 100  
91 207.1 106.5 319.6

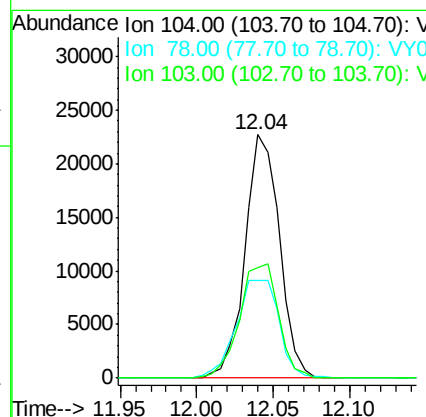
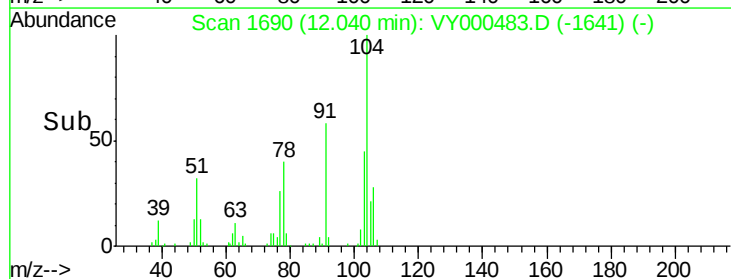
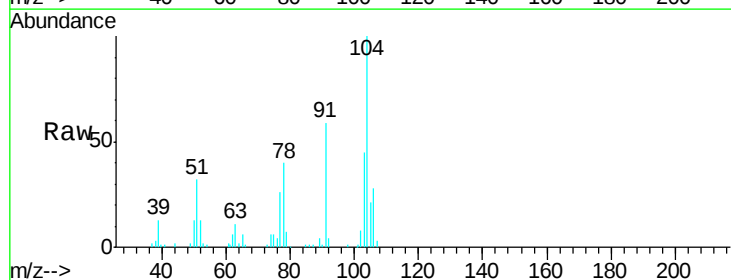
Manual Integrations  
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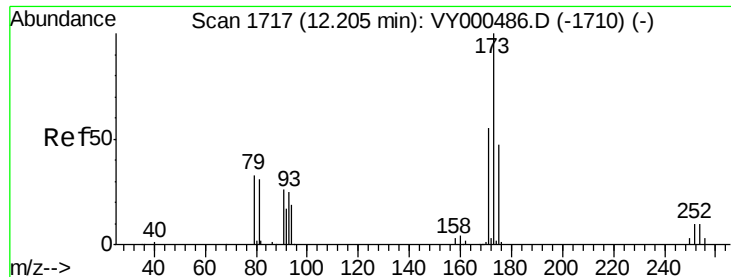
MMDadoda  
10/31/2019 11:30:37 AM



#70  
Styrene  
Concen: 4.397 ug/l  
RT: 12.04 min Scan# 1690  
Delta R.T. -0.00 min  
Lab File: VY000483.D  
Acq: 30 Oct 2019 10:39

Tgt Ion:104 Resp: 35529  
Ion Ratio Lower Upper  
104 100  
78 50.4 39.0 58.4  
103 53.1 42.5 63.7





#71

Bromoform

Concen: 4.318 ug/l

RT: 12.20 min Scan# 1717

Delta R.T. -0.00 min

Lab File: VY000483.D

Acq: 30 Oct 2019 10:39

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDIC005

Tgt Ion:173 Resp: 6071

Ion Ratio Lower Upper

173 100

175 51.9 24.4 73.2

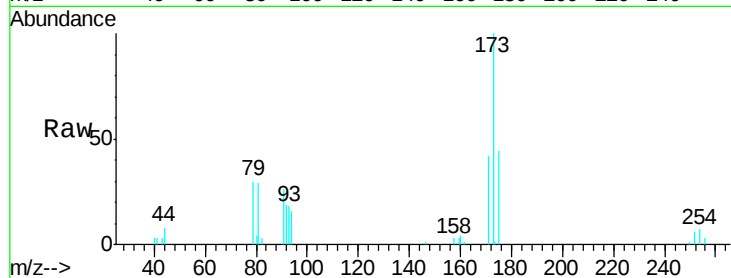
254 0.0 0.1 0.1#

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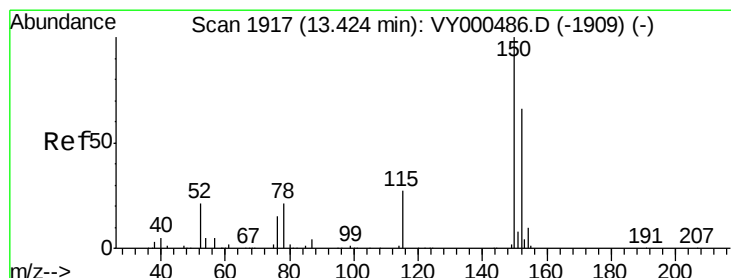
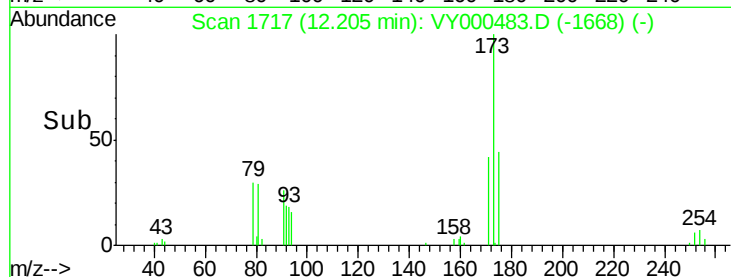
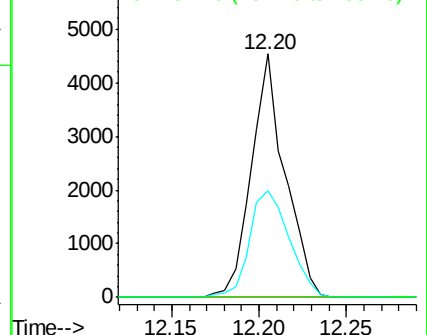
10/31/2019 11:30:37 AM



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: VY000483.D

Acq: 30 Oct 2019 10:39

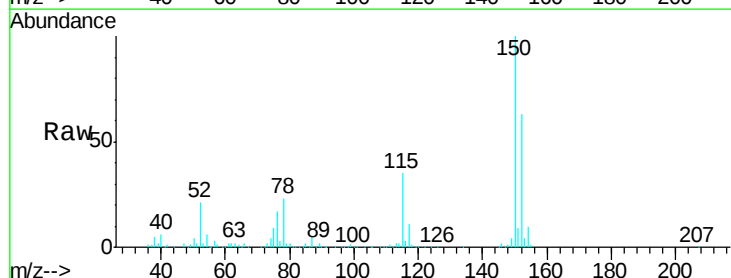
Tgt Ion:152 Resp: 165272

Ion Ratio Lower Upper

152 100

115 57.6 29.1 87.4

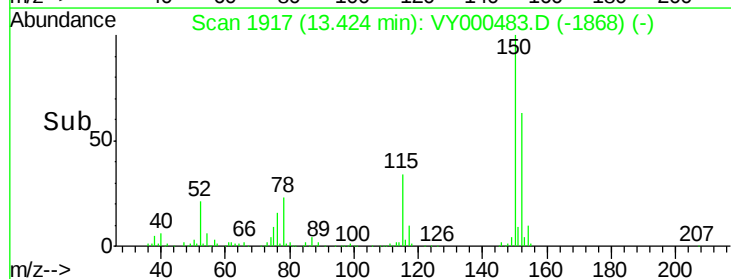
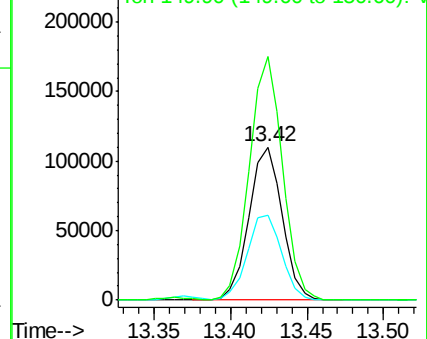
150 159.7 0.0 348.8

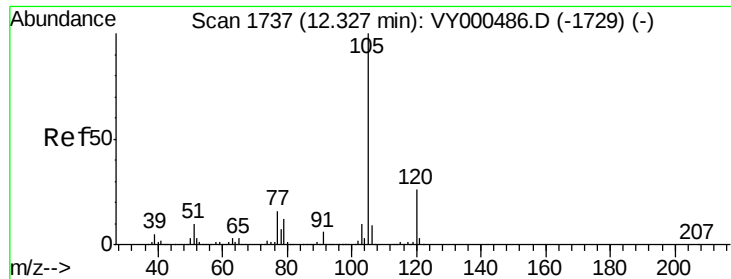


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 4.762 ug/l

RT: 12.33 min Scan# 1737

Delta R.T. -0.00 min

Lab File: VY000483.D

Acq: 30 Oct 2019 10:39

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDIC005

Tgt Ion: 105 Resp: 58172

Ion Ratio Lower Upper

105 100

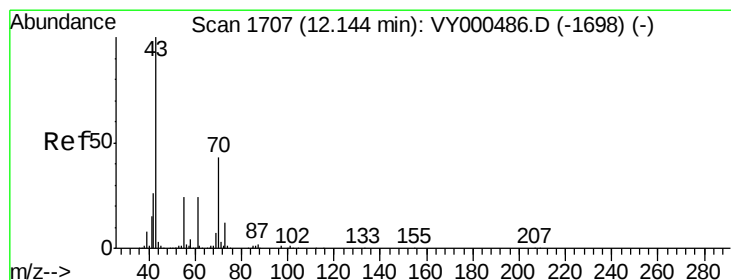
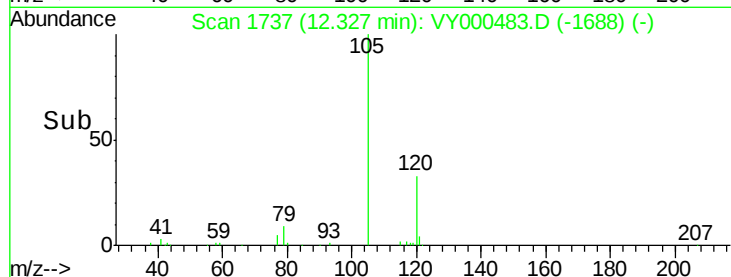
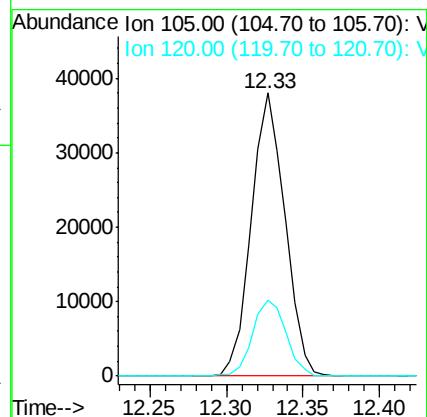
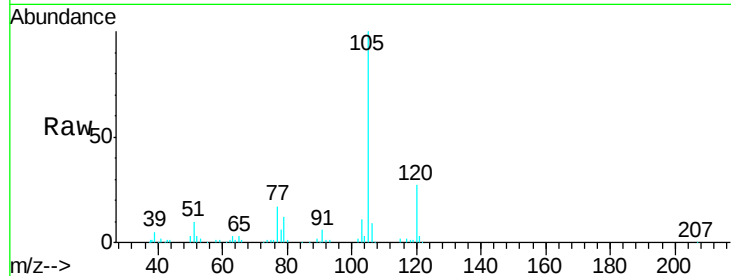
120 26.8 13.5 40.4

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#74

N-ethyl acetate

Concen: 4.232 ug/l

RT: 12.14 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VY000483.D

Acq: 30 Oct 2019 10:39

Tgt Ion: 43 Resp: 14806

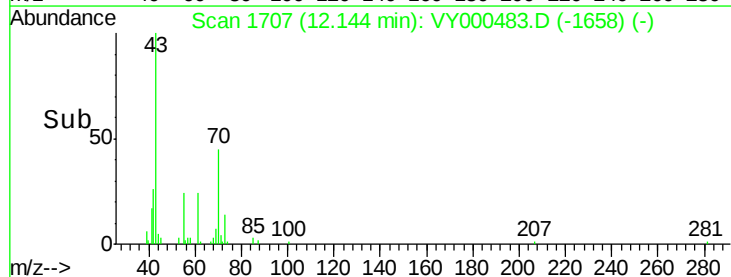
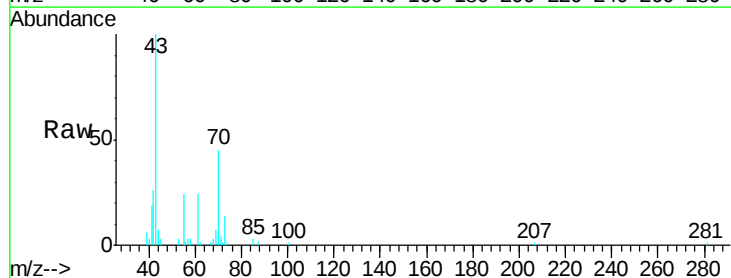
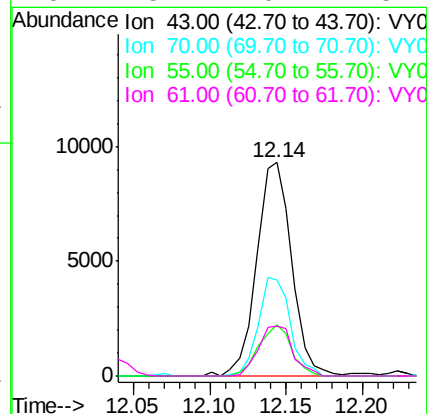
Ion Ratio Lower Upper

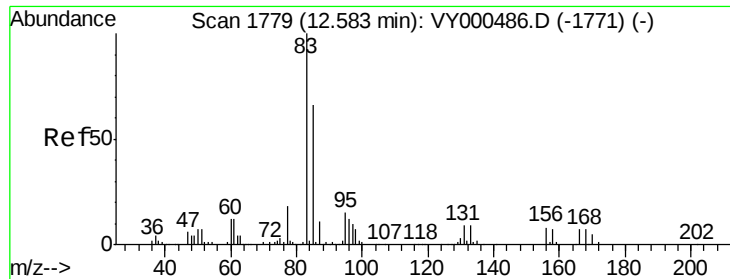
43 100

70 42.1 33.1 49.7

55 22.4 18.0 27.0

61 23.4 19.1 28.7





#75

1,1,2,2-Tetrachloroethane

Concen: 4.778 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VY000483.D

Acq: 30 Oct 2019 10:39

Instrument :

MSVOA\_Y

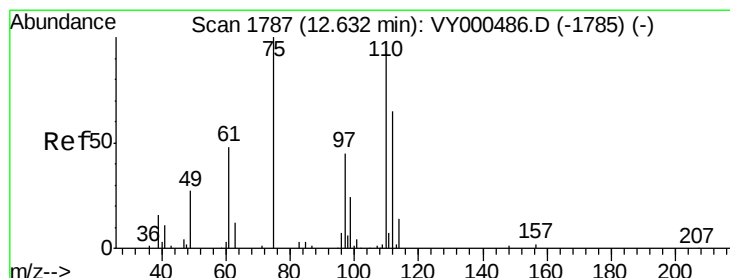
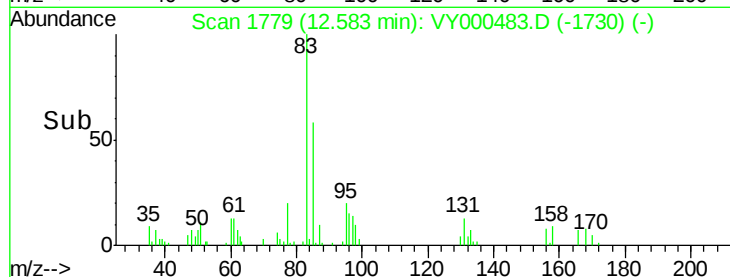
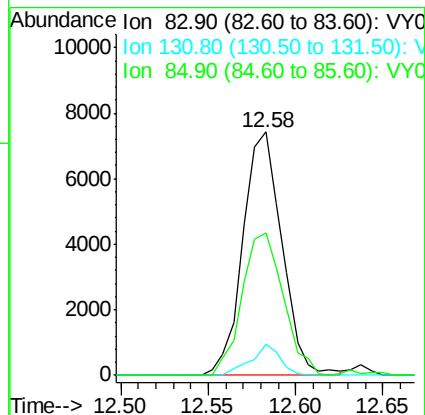
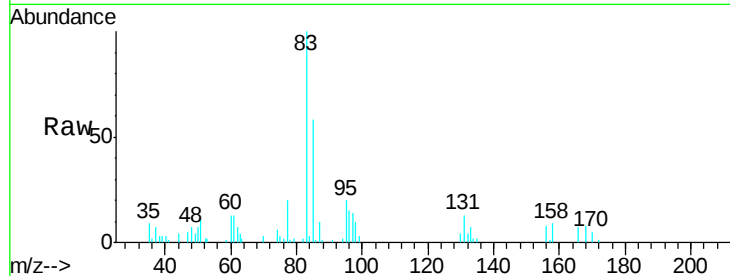
ClientSampleId :

VSTDIC005

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 83    | Resp: | 11556 |
| Ion Ratio | Lower | Upper |       |
| 83        | 100   |       |       |
| 131       | 9.6   | 5.0   | 14.9  |
| 85        | 61.9  | 32.3  | 96.9  |

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#76

1,2,3-Trichloropropane

Concen: 2.766 ug/l m

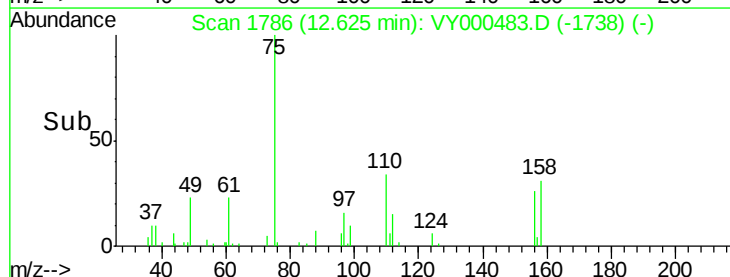
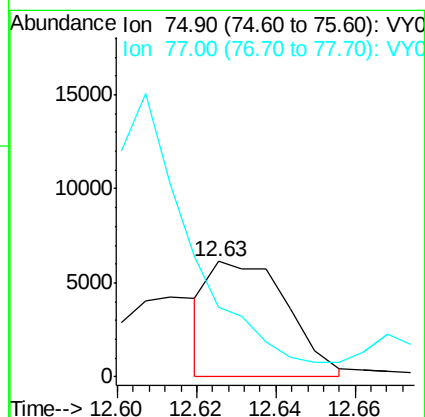
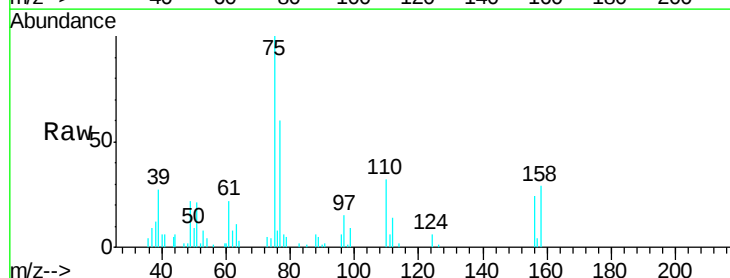
RT: 12.63 min Scan# 1786

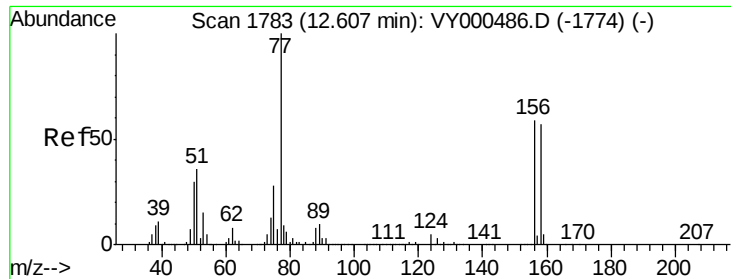
Delta R.T. -0.01 min

Lab File: VY000483.D

Acq: 30 Oct 2019 10:39

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 75    | Resp: | 8453 |
| Ion Ratio | Lower | Upper |      |
| 75        | 100   |       |      |
| 77        | 305.6 | 0.0   | 0.0# |





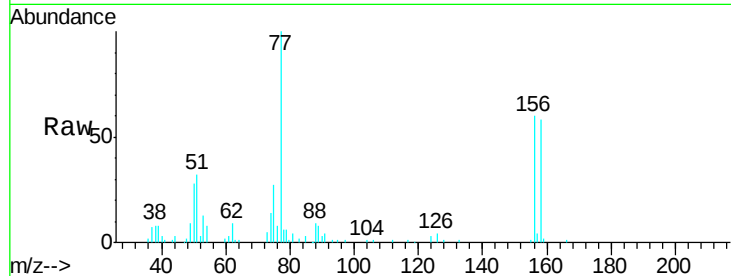
#77  
Bromobenzene  
Concen: 4.985 ug/l  
RT: 12.61 min Scan# 1783  
Delta R.T. -0.00 min  
Lab File: VY000483.D  
Acq: 30 Oct 2019 10:39

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC005

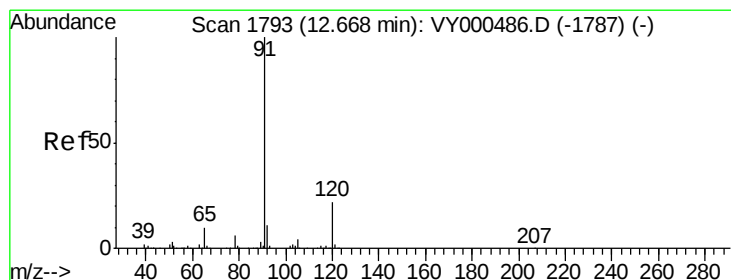
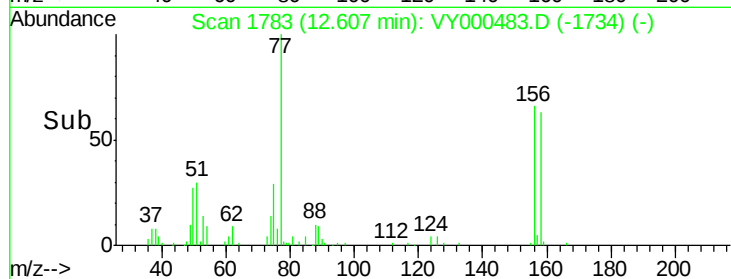
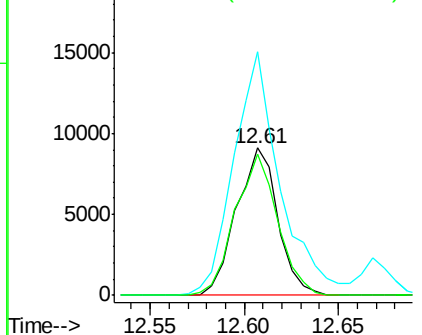
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 156     | 100   |       |       |
| 77      | 187.1 | 98.2  | 294.4 |
| 158     | 98.7  | 49.6  | 149.0 |

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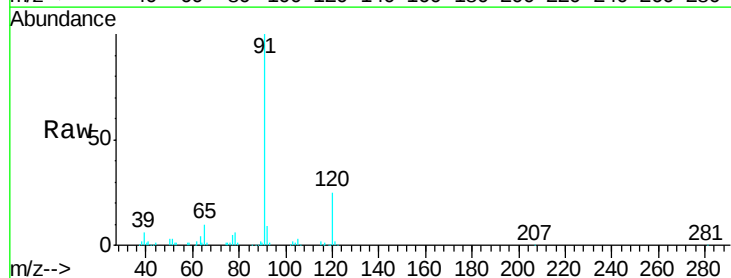


Abundance Ion 155.80 (155.50 to 156.50): V  
Ion 77.00 (76.70 to 77.70): VY0  
Ion 157.80 (157.50 to 158.50): V

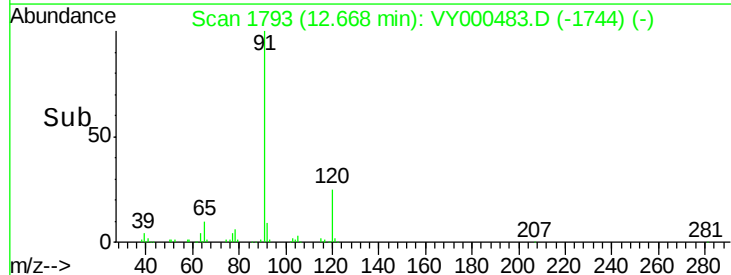
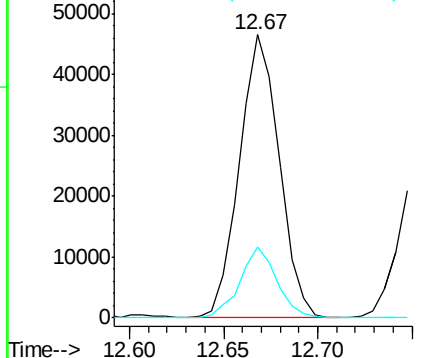


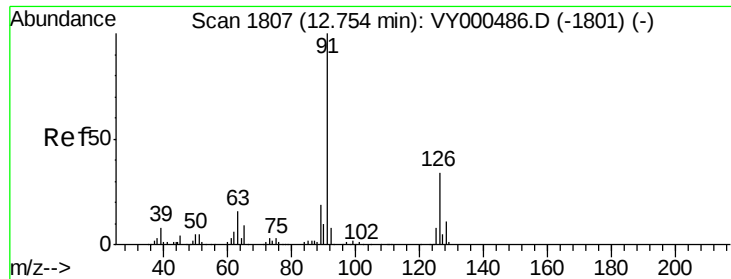
#78  
n-propylbenzene  
Concen: 4.613 ug/l  
RT: 12.67 min Scan# 1793  
Delta R.T. -0.00 min  
Lab File: VY000483.D  
Acq: 30 Oct 2019 10:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 120     | 23.5  | 11.4  | 34.1  |



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





#79

2-Chlorotoluene

Concen: 4.806 ug/l

RT: 12.75 min Scan# 1807

Delta R.T. -0.00 min

Lab File: VY000483.D

Acq: 30 Oct 2019 10:39

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDIC005

Tgt Ion: 91 Resp: 39320

Ion Ratio Lower Upper

91 100

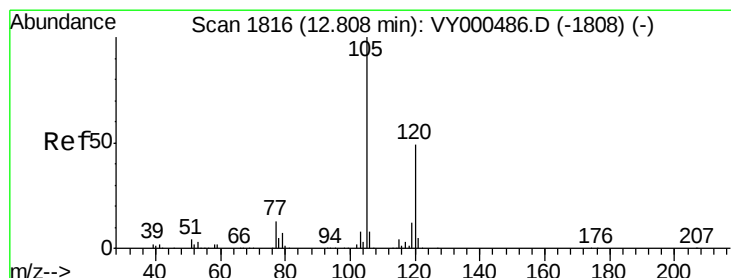
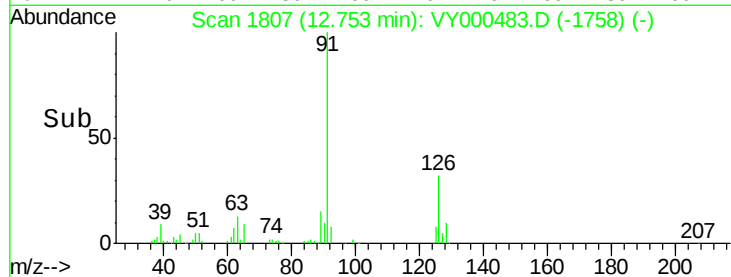
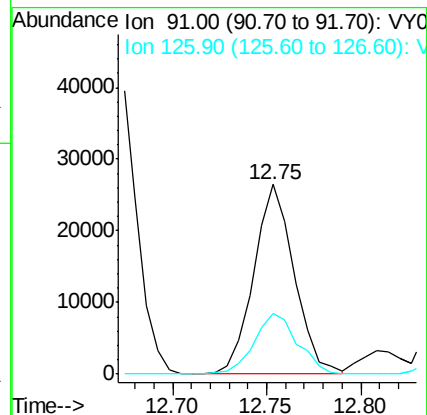
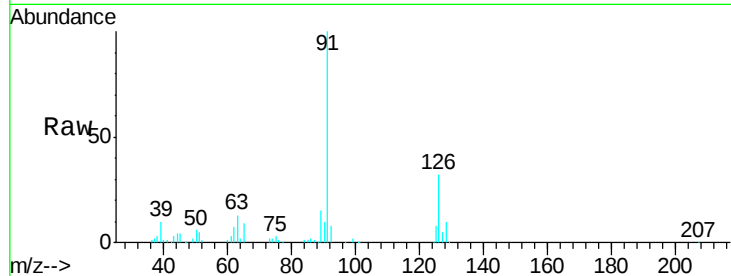
126 34.0 17.7 53.1

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#80

1,3,5-Trimethylbenzene

Concen: 4.570 ug/l

RT: 12.81 min Scan# 1816

Delta R.T. -0.00 min

Lab File: VY000483.D

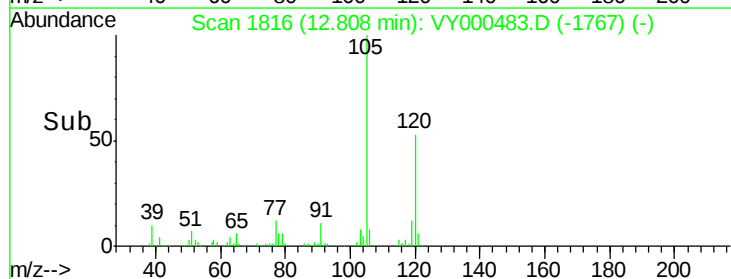
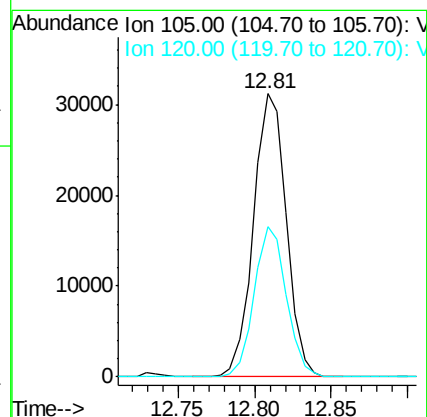
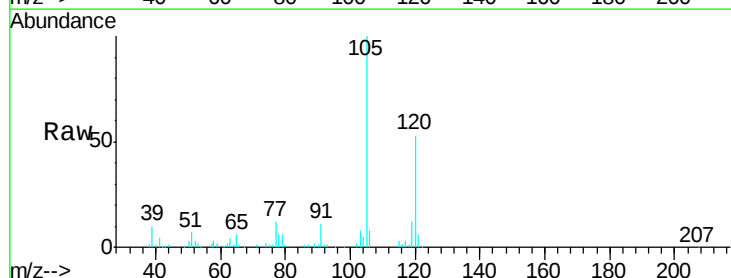
Acq: 30 Oct 2019 10:39

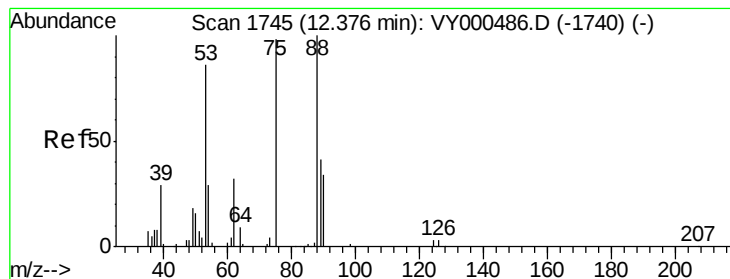
Tgt Ion: 105 Resp: 46492

Ion Ratio Lower Upper

105 100

120 51.9 24.9 74.8





#81

trans-1,4-Dichloro-2-butene

Concen: 4.128 ug/l

RT: 12.38 min Scan# 1745

Delta R.T. -0.00 min

Lab File: VY000483.D

Acq: 30 Oct 2019 10:39

Instrument :

MSVOA\_Y

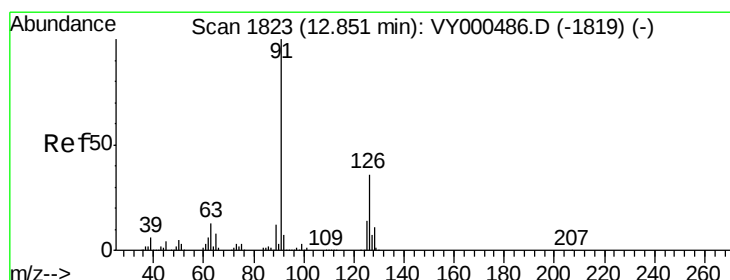
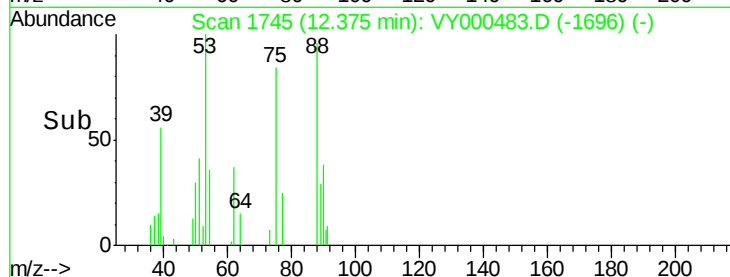
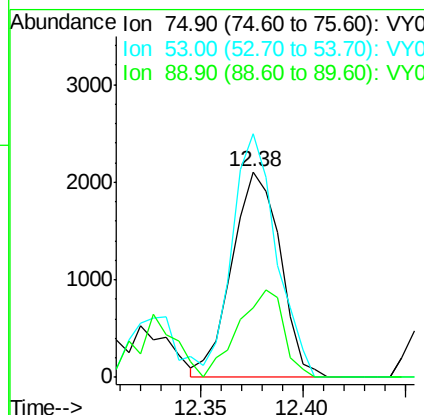
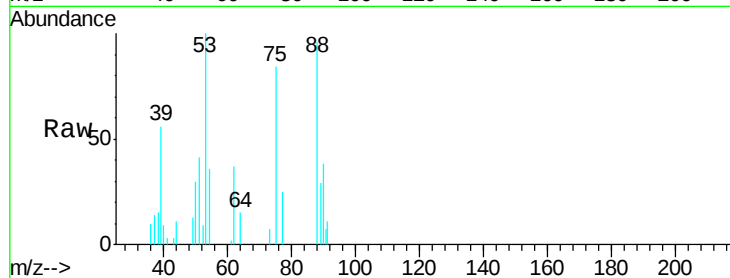
ClientSampleId :

VSTDIC005

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 3465  |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 53       | 107.1 | 73.2  | 109.8 |
| 89       | 40.1  | 35.9  | 53.9  |

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#82

4-Chlorotoluene

Concen: 4.620 ug/l

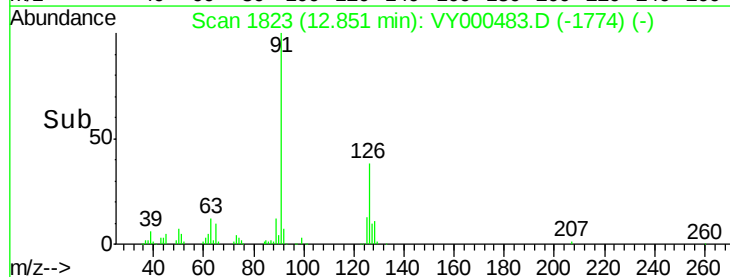
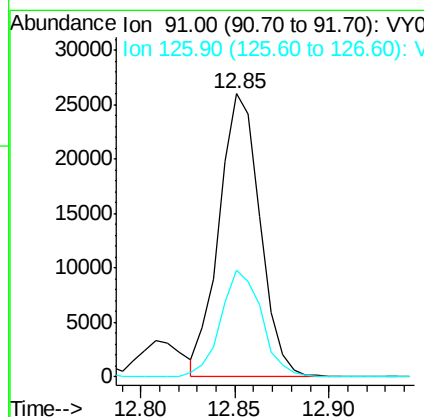
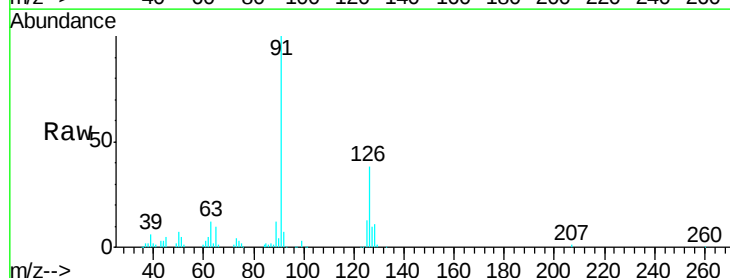
RT: 12.85 min Scan# 1823

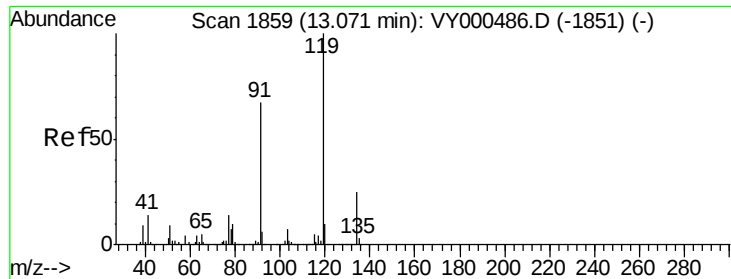
Delta R.T. -0.00 min

Lab File: VY000483.D

Acq: 30 Oct 2019 10:39

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 91    | Resp: | 39185 |
| Ion      | Ratio | Lower | Upper |
| 91       | 100   |       |       |
| 126      | 37.5  | 17.6  | 52.9  |





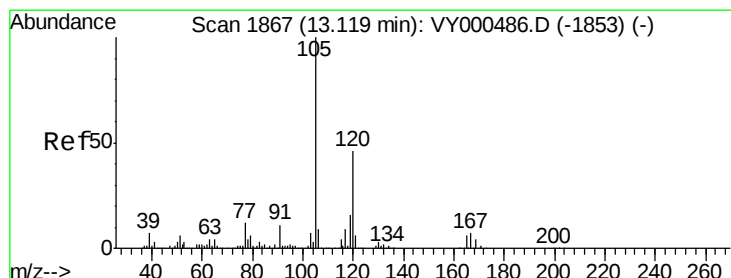
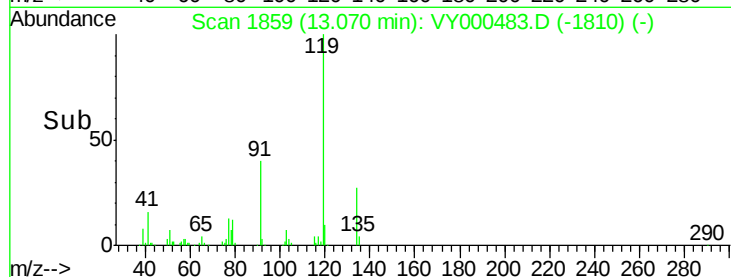
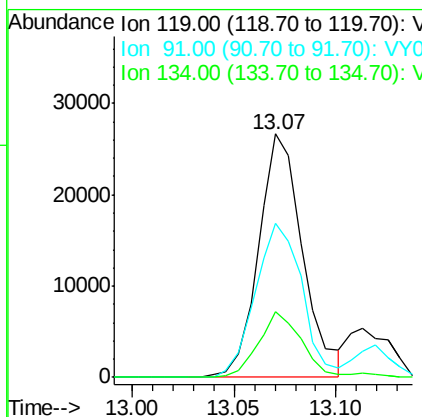
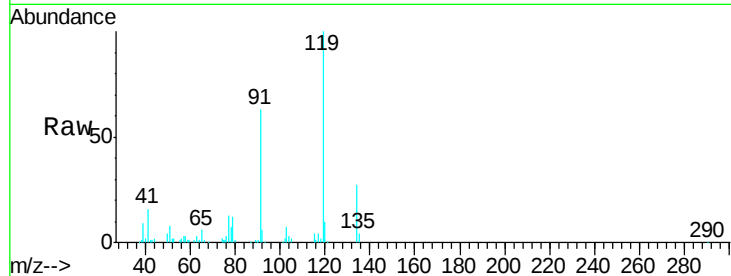
#83  
tert-Butylbenzene  
Concen: 4.605 ug/l  
RT: 13.07 min Scan# 1859  
Delta R.T. -0.00 min  
Lab File: VY000483.D  
Acq: 30 Oct 2019 10:39

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC005

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 91      | 67.2  | 32.1  | 96.3  |
| 134     | 27.5  | 13.2  | 39.5  |

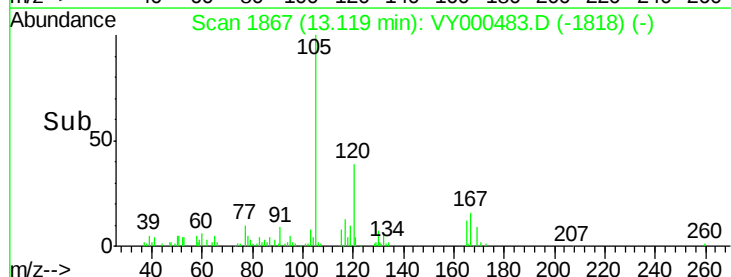
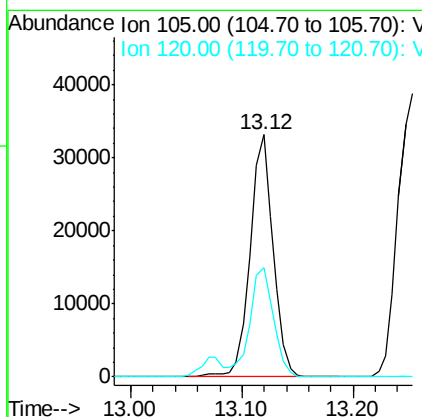
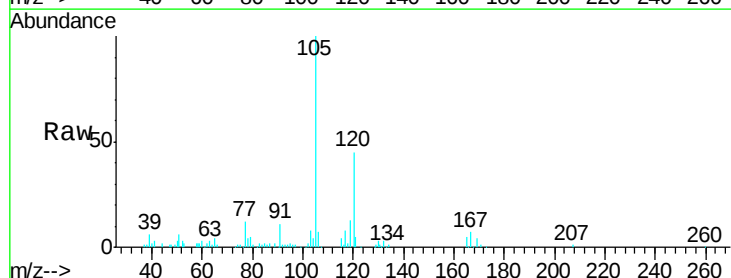
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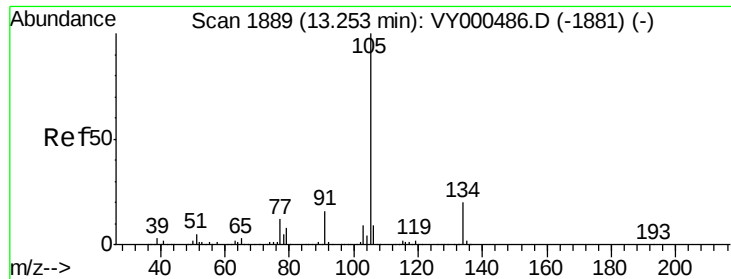
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#84  
1,2,4-Trimethylbenzene  
Concen: 4.712 ug/l  
RT: 13.12 min Scan# 1867  
Delta R.T. -0.00 min  
Lab File: VY000483.D  
Acq: 30 Oct 2019 10:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 46.0  | 23.3  | 69.9  |





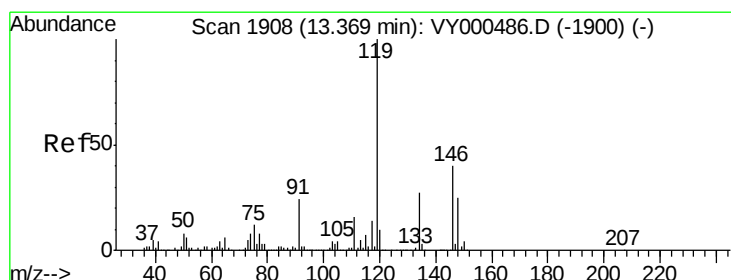
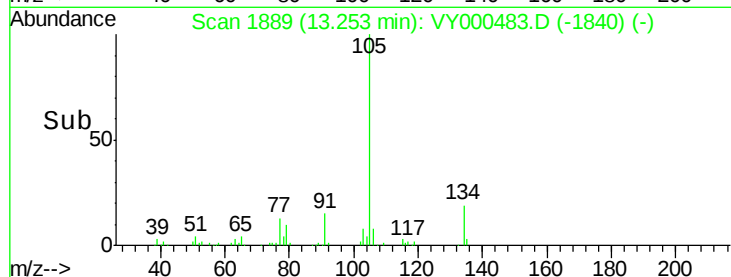
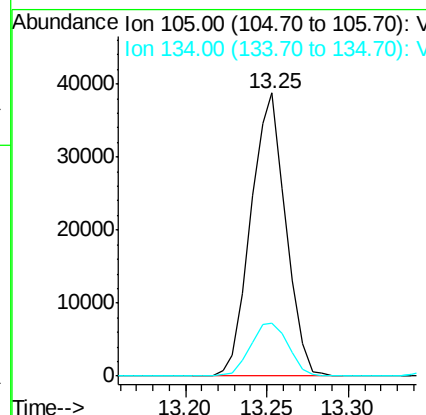
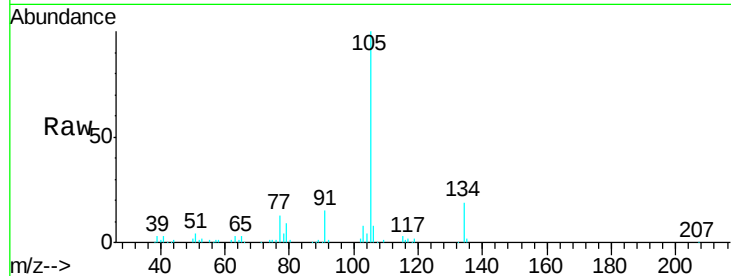
#85  
 sec-Butylbenzene  
 Concen: 4.648 ug/l  
 RT: 13.25 min Scan# 1889  
 Delta R.T. -0.00 min  
 Lab File: VY000483.D  
 Acq: 30 Oct 2019 10:39

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDIC005

Tgt Ion:105 Resp: 57520  
 Ion Ratio Lower Upper  
 105 100  
 134 20.5 10.1 30.1

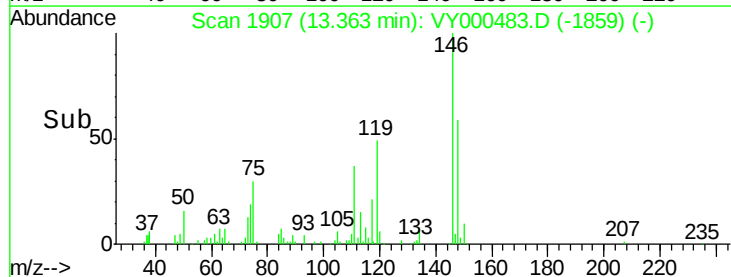
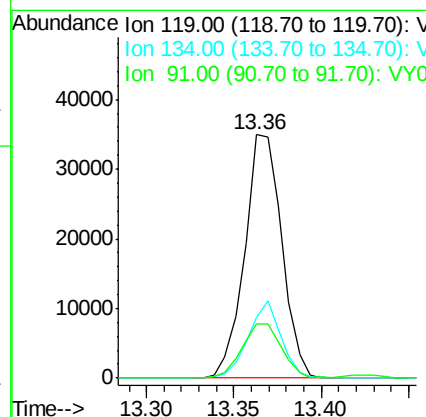
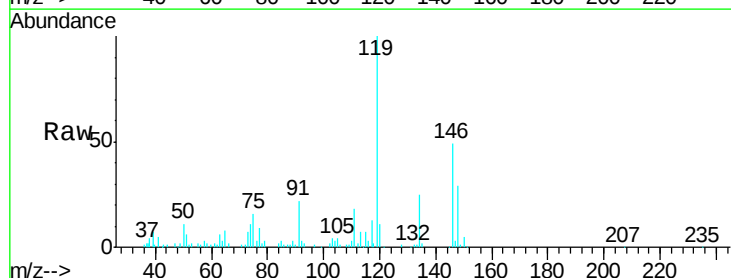
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#86  
 p-Isopropyltoluene  
 Concen: 4.686 ug/l  
 RT: 13.36 min Scan# 1907  
 Delta R.T. -0.01 min  
 Lab File: VY000483.D  
 Acq: 30 Oct 2019 10:39

Tgt Ion:119 Resp: 51682  
 Ion Ratio Lower Upper  
 119 100  
 134 27.9 13.6 40.8  
 91 24.0 12.0 36.1





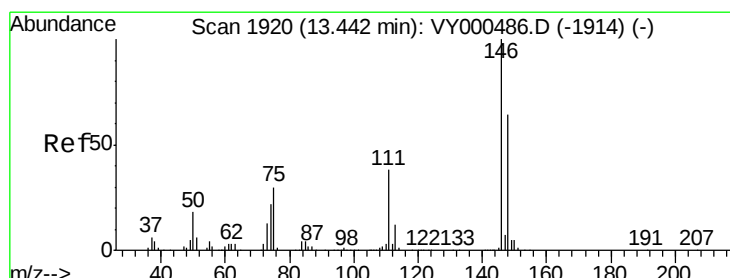
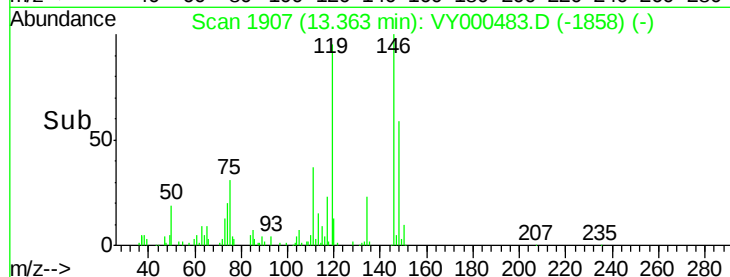
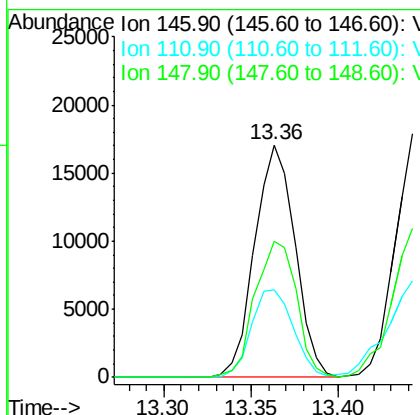
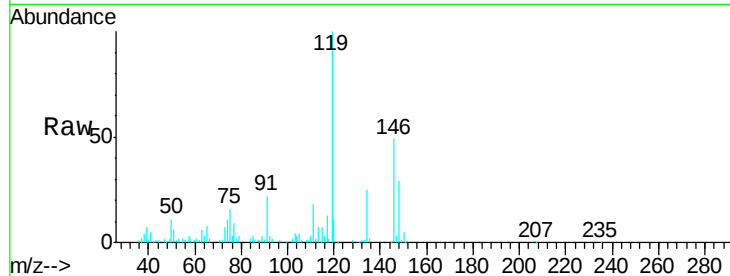
#87  
 1,3-Dichlorobenzene  
 Concen: 5.045 ug/l  
 RT: 13.36 min Scan# 1907  
 Delta R.T. -0.00 min  
 Lab File: VY000483.D  
 Acq: 30 Oct 2019 10:39

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDIC005

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 39.1  | 20.3  | 60.8  |
| 148     | 60.3  | 31.5  | 94.5  |

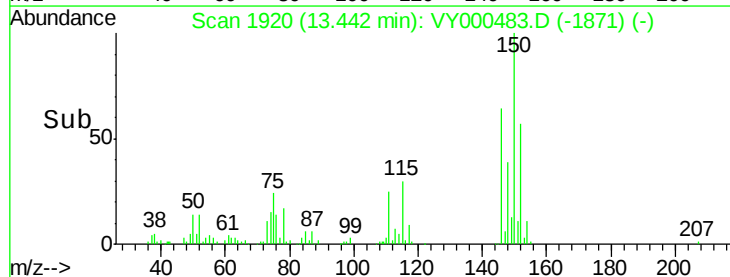
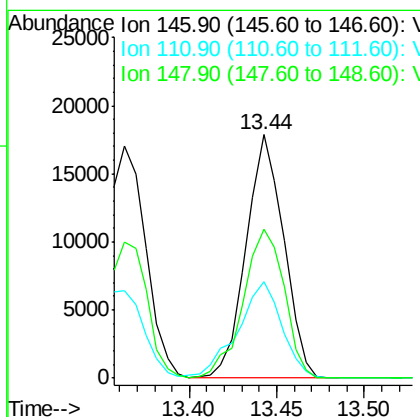
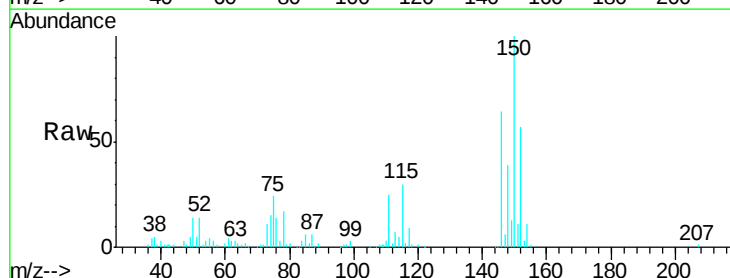
Manual Integrations  
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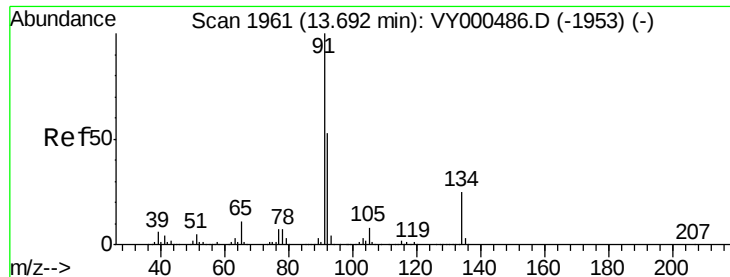
MMDadoda  
 10/31/2019 11:30:37 AM



#88  
 1,4-Dichlorobenzene  
 Concen: 4.935 ug/l  
 RT: 13.44 min Scan# 1920  
 Delta R.T. -0.00 min  
 Lab File: VY000483.D  
 Acq: 30 Oct 2019 10:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 46.5  | 19.7  | 59.0  |
| 148     | 66.9  | 31.9  | 95.7  |





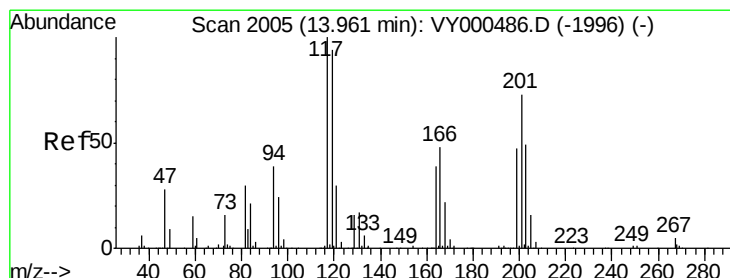
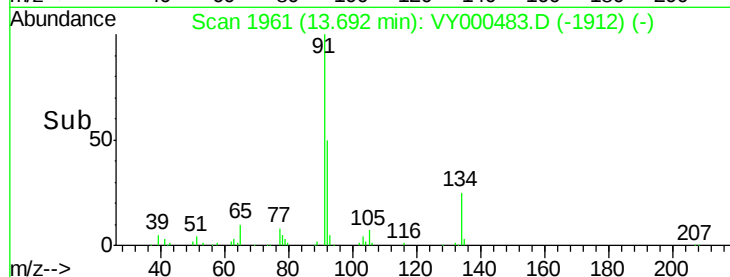
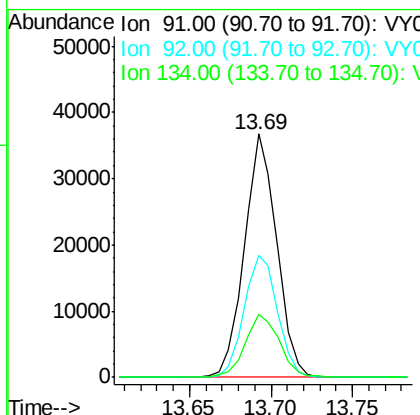
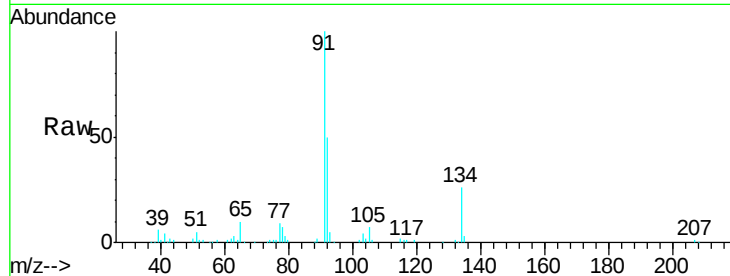
#89  
n-Butylbenzene  
Concen: 4.663 ug/l  
RT: 13.69 min Scan# 1961  
Delta R.T. -0.00 min  
Lab File: VY000483.D  
Acq: 30 Oct 2019 10:39

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC005

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 51.7  | 26.8  | 80.3  |
| 134     | 27.1  | 12.9  | 38.7  |

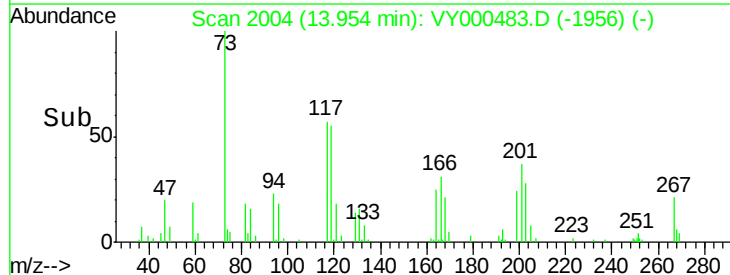
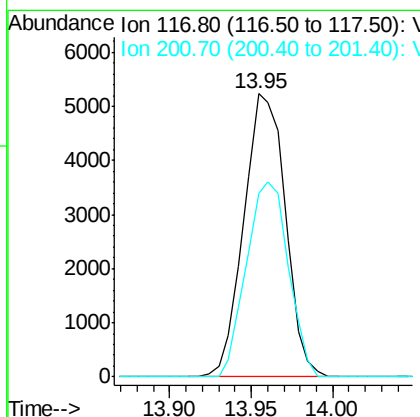
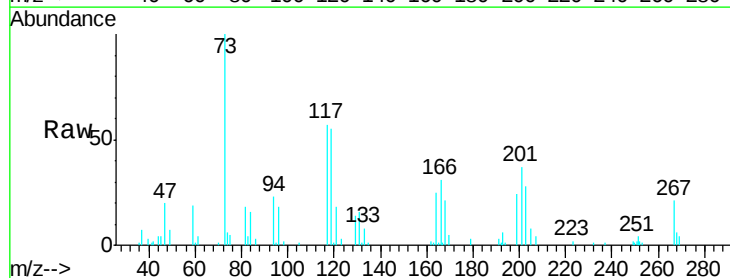
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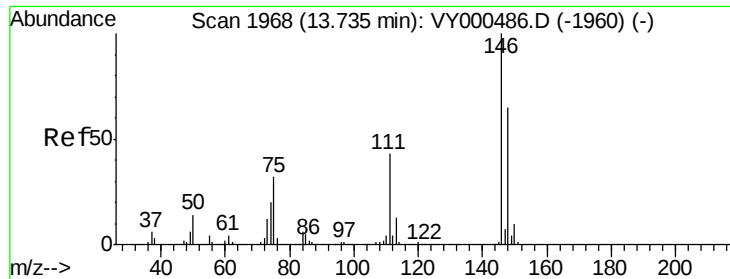
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#90  
Hexachloroethane  
Concen: 4.555 ug/l  
RT: 13.95 min Scan# 2004  
Delta R.T. -0.01 min  
Lab File: VY000483.D  
Acq: 30 Oct 2019 10:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 69.6  | 35.8  | 107.3 |





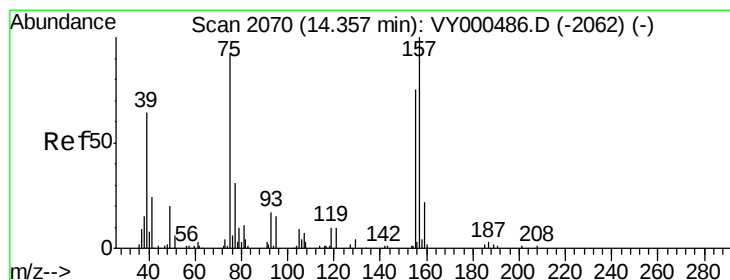
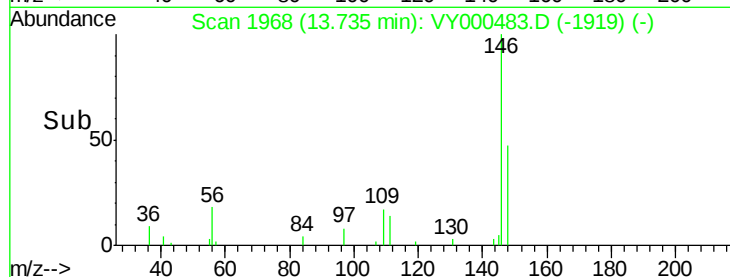
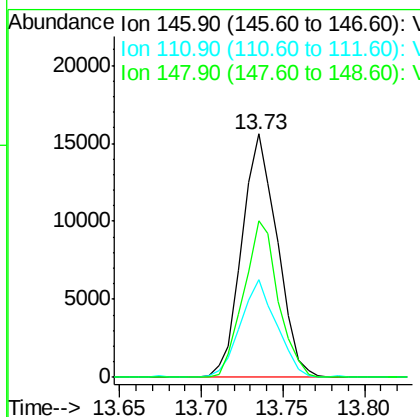
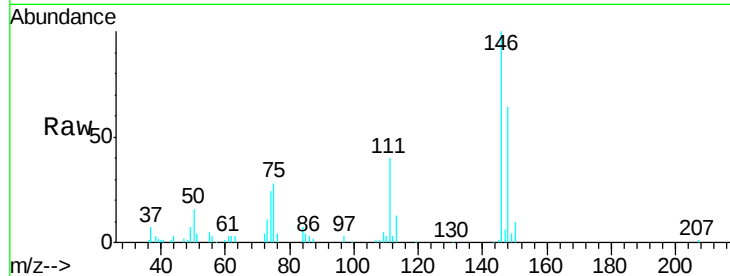
#91  
 1,2-Dichlorobenzene  
 Concen: 4.793 ug/l  
 RT: 13.73 min Scan# 1968  
 Delta R.T. -0.00 min  
 Lab File: VY000483.D  
 Acq: 30 Oct 2019 10:39

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDIC005

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 40.7  | 20.5  | 61.5  |
| 148     | 62.7  | 31.7  | 95.1  |

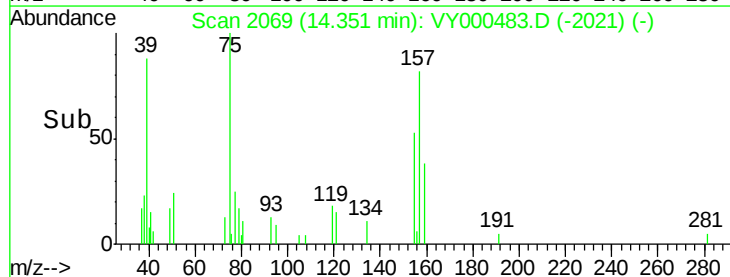
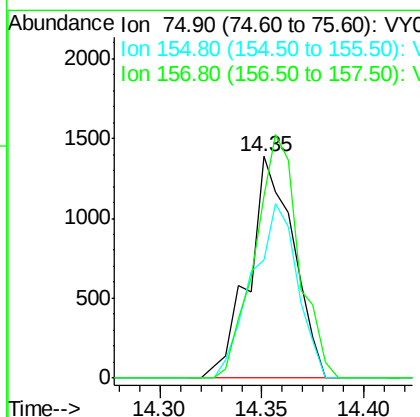
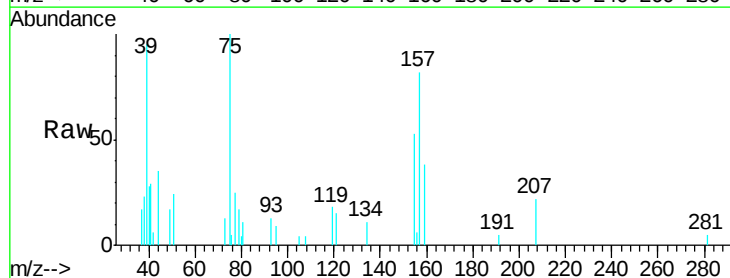
Manual Integrations  
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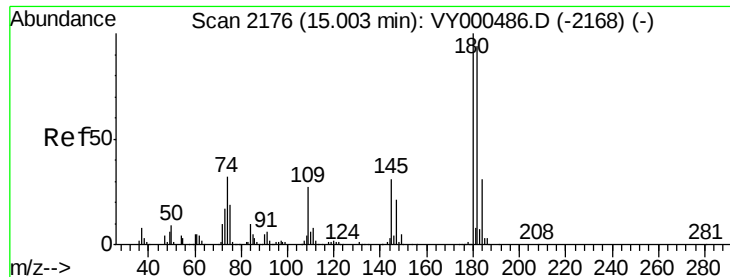
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#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 4.946 ug/l  
 RT: 14.35 min Scan# 2069  
 Delta R.T. -0.01 min  
 Lab File: VY000483.D  
 Acq: 30 Oct 2019 10:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 79.7  | 42.4  | 127.1 |
| 157     | 107.0 | 55.1  | 165.3 |





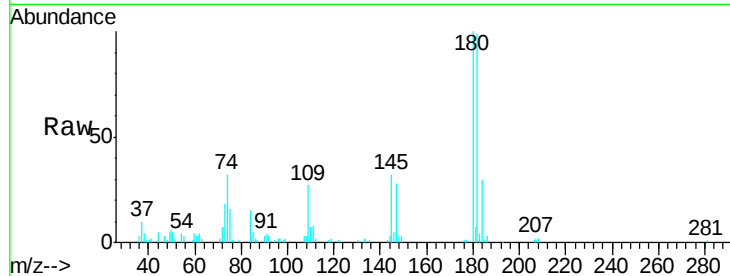
#93  
 1,2,4-Trichlorobenzene  
 Concen: 4.977 ug/l  
 RT: 15.00 min Scan# 2176  
 Delta R.T. -0.00 min  
 Lab File: VY000483.D  
 Acq: 30 Oct 2019 10:39

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDIC005

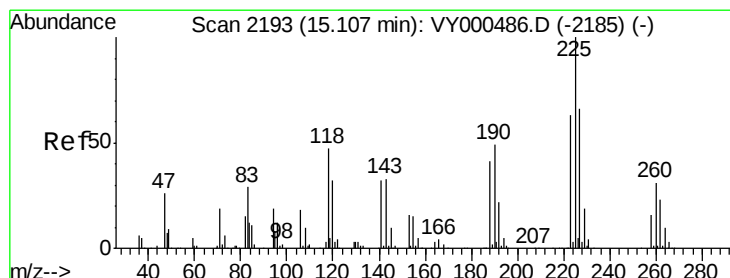
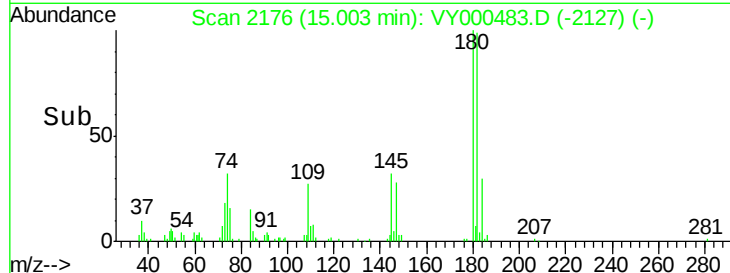
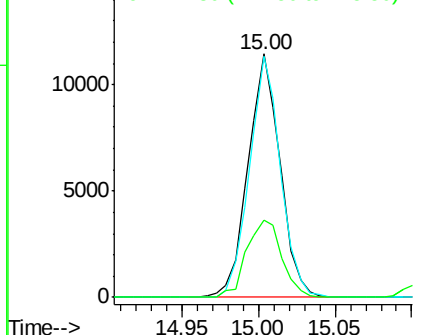
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 95.8  | 47.8  | 143.4 |
| 145     | 34.8  | 16.0  | 47.9  |

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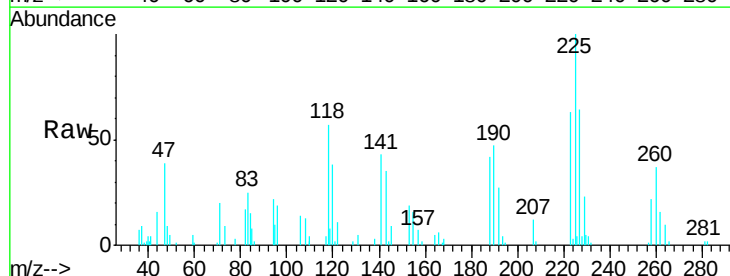


Abundance Ion 179.80 (179.50 to 180.50): V  
 Ion 181.80 (181.50 to 182.50): V  
 Ion 144.80 (144.50 to 145.50): V

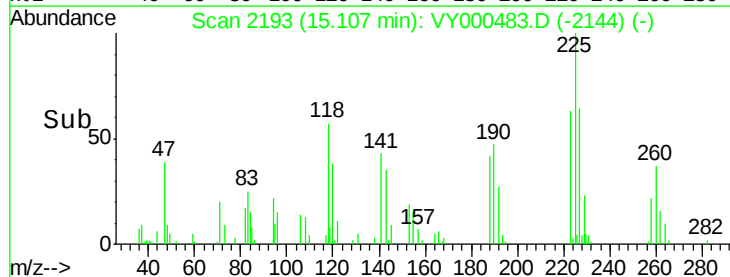
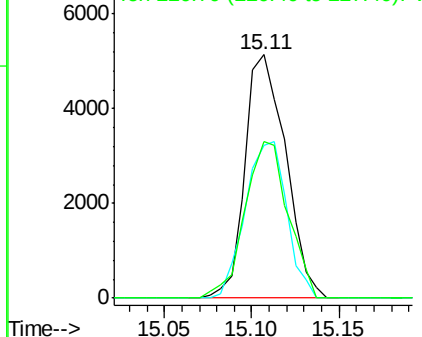


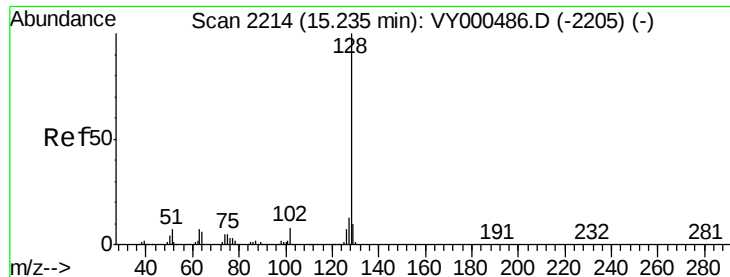
#94  
 Hexachlorobutadiene  
 Concen: 4.812 ug/l  
 RT: 15.11 min Scan# 2193  
 Delta R.T. -0.00 min  
 Lab File: VY000483.D  
 Acq: 30 Oct 2019 10:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 65.5  | 31.3  | 93.8  |
| 227     | 68.4  | 32.4  | 97.0  |



Abundance Ion 224.70 (224.40 to 225.40): V  
 Ion 222.70 (222.40 to 223.40): V  
 Ion 226.70 (226.40 to 227.40): V





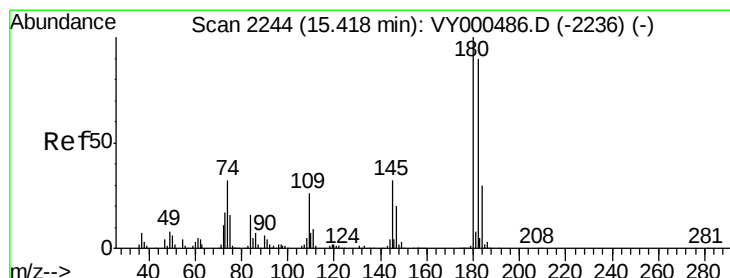
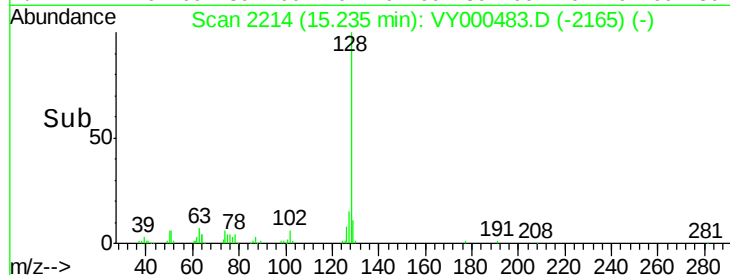
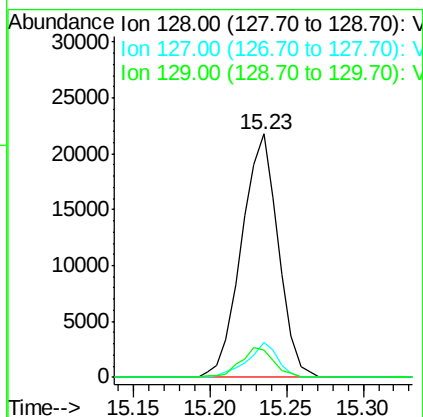
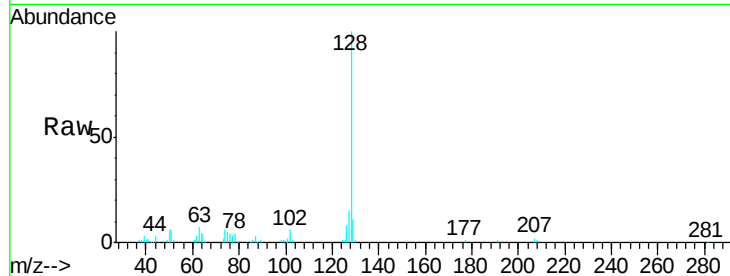
#95  
Naphthalene  
Concen: 4.861 ug/l  
RT: 15.23 min Scan# 2214  
Delta R.T. -0.00 min  
Lab File: VY000483.D  
Acq: 30 Oct 2019 10:39

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC005

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 128     | 100   | 36170 |       |       |
| 127     | 12.1  | 9.8   | 14.6  |       |
| 129     | 11.5  | 8.7   | 13.1  |       |

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#96  
1,2,3-Trichlorobenzene  
Concen: 5.014 ug/l  
RT: 15.42 min Scan# 2245  
Delta R.T. 0.01 min  
Lab File: VY000483.D  
Acq: 30 Oct 2019 10:39

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 180     | 100   | 15077 |       |       |
| 182     | 99.8  | 47.4  | 142.3 |       |
| 145     | 31.0  | 15.7  | 47.0  |       |

