

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081420\  
 Data File : VW016186.D  
 Acq On : 14 Aug 2020 11:25  
 Operator : SY/VA  
 Sample : VSTDIC100  
 Misc : 5.00G/5ML/MSVOA W/SOIL  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDIC100

Manual Integrations  
 APPROVED

MMDadoda  
 8/17/2020 5:46:29 PM

Quant Time: Aug 14 12:22:10 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W081420S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Aug 14 11:36:08 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.96  | 168  | 270088   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.84  | 114  | 439403   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.63 | 117  | 395361   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 175383   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |        |         |      |
|---------------------------|--------|-----|----------|--------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 8.31   | 65  | 254990   | 90.95  | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =      | 181.90% |      |
| 35) Dibromofluoromethane  | 7.88   | 113 | 265688   | 100.86 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =      | 201.72% |      |
| 50) Toluene-d8            | 10.33  | 98  | 1074612  | 106.01 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =      | 212.02% |      |
| 62) 4-Bromofluorobenzene  | 12.62  | 95  | 373789   | 101.69 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =      | 203.38% |      |

## Target Compounds

|                               |      |     |         |         |      | Qvalue |
|-------------------------------|------|-----|---------|---------|------|--------|
| 2) Dichlorodifluoromethane    | 2.01 | 85  | 183717  | 126.166 | ug/l | 95     |
| 3) Chloromethane              | 2.21 | 50  | 195856  | 101.584 | ug/l | 96     |
| 4) Vinyl Chloride             | 2.37 | 62  | 268128  | 91.654  | ug/l | 95     |
| 5) Bromomethane               | 2.78 | 94  | 166403  | 75.868  | ug/l | 97     |
| 6) Chloroethane               | 2.92 | 64  | 157357  | 81.500  | ug/l | 98     |
| 7) Trichlorofluoromethane     | 3.26 | 101 | 230489  | 108.677 | ug/l | 99     |
| 8) Diethyl Ether              | 3.68 | 74  | 142806  | 106.285 | ug/l | 98     |
| 9) 1,1,2-Trichlorotrifluoroet | 4.06 | 101 | 289441  | 113.758 | ug/l | 99     |
| 10) Methyl Iodide             | 4.26 | 142 | 427624  | 119.606 | ug/l | 100    |
| 11) Tert butyl alcohol        | 5.23 | 59  | 67311   | 440.124 | ug/l | 97     |
| 12) 1,1-Dichloroethene        | 4.03 | 96  | 300579  | 119.246 | ug/l | 99     |
| 13) Acrolein                  | 3.90 | 56  | 94725   | 489.396 | ug/l | 99     |
| 14) Allyl chloride            | 4.67 | 41  | 420408  | 106.133 | ug/l | 100    |
| 15) Acrylonitrile             | 5.38 | 53  | 267666  | 512.403 | ug/l | 100    |
| 16) Acetone                   | 4.14 | 43  | 251762  | 485.621 | ug/l | 96     |
| 17) Carbon Disulfide          | 4.38 | 76  | 894420  | 119.705 | ug/l | 99     |
| 18) Methyl Acetate            | 4.68 | 43  | 111019  | 93.929  | ug/l | 99     |
| 19) Methyl tert-butyl Ether   | 5.43 | 73  | 373404  | 101.633 | ug/l | 100    |
| 20) Methylene Chloride        | 4.91 | 84  | 305357  | 99.332  | ug/l | 97     |
| 21) trans-1,2-Dichloroethene  | 5.42 | 96  | 327748  | 113.146 | ug/l | 95     |
| 22) Diisopropyl ether         | 6.32 | 45  | 757527  | 95.560  | ug/l | 99     |
| 23) Vinyl Acetate             | 6.26 | 43  | 2273844 | 482.544 | ug/l | 100    |
| 24) 1,1-Dichloroethane        | 6.22 | 63  | 519491  | 102.226 | ug/l | 99     |
| 25) 2-Butanone                | 7.18 | 43  | 335944  | 479.529 | ug/l | 99     |
| 26) 2,2-Dichloropropane       | 7.16 | 77  | 320932  | 100.479 | ug/l | 100    |
| 27) cis-1,2-Dichloroethene    | 7.17 | 96  | 339083  | 110.199 | ug/l | 99     |
| 28) Bromochloromethane        | 7.51 | 49  | 193182  | 94.420  | ug/l | 100    |
| 29) Tetrahydrofuran           | 7.54 | 42  | 205046  | 482.036 | ug/l | 100    |
| 30) Chloroform                | 7.68 | 83  | 527654  | 101.326 | ug/l | 99     |
| 31) Cyclohexane               | 7.96 | 56  | 471007  | 98.224  | ug/l | 99     |
| 32) 1,1,1-Trichloroethane     | 7.87 | 97  | 458296  | 104.940 | ug/l | 100    |
| 36) 1,1-Dichloropropene       | 8.09 | 75  | 442495  | 103.108 | ug/l | 100    |
| 37) Ethyl Acetate             | 7.26 | 43  | 147796  | 88.867  | ug/l | 99     |
| 38) Carbon Tetrachloride      | 8.07 | 117 | 434405  | 104.107 | ug/l | 99     |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081420\  
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 Acq On : 14 Aug 2020 11:25  
 Operator : SY/VA  
 Sample : VSTDICC100  
 Misc : 5.00G/5ML/MSVOA W/SOIL  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDICC100

Manual Integrations  
 APPROVED

MMDadoda  
 8/17/2020 5:46:29 PM

Quant Time: Aug 14 12:22:10 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W081420S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Aug 14 11:36:08 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc     | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|----------|--------|----------|
| 39) Methylcyclohexane          | 9.34  | 83   | 563430   | 110.785  | ug/l   | 99       |
| 40) Benzene                    | 8.32  | 78   | 1220783  | 103.344  | ug/l   | 99       |
| 41) Methacrylonitrile          | 7.49  | 41   | 91516    | 97.049   | ug/l   | 97       |
| 42) 1,2-Dichloroethane         | 8.40  | 62   | 313771   | 87.285   | ug/l   | 99       |
| 43) Isopropyl Acetate          | 8.43  | 43   | 286523   | 89.248   | ug/l   | 100      |
| 44) Trichloroethene            | 9.10  | 130  | 337155   | 107.089  | ug/l   | 95       |
| 45) 1,2-Dichloropropane        | 9.37  | 63   | 285474   | 98.785   | ug/l   | 97       |
| 46) Dibromomethane             | 9.46  | 93   | 148835   | 99.426   | ug/l   | 99       |
| 47) Bromodichloromethane       | 9.65  | 83   | 396252   | 102.948  | ug/l   | 97       |
| 48) Methyl methacrylate        | 9.44  | 41   | 139690   | 95.217   | ug/l   | 99       |
| 49) 1,4-Dioxane                | 9.48  | 88   | 40015    | 2132.828 | ug/l # | 100      |
| 51) 4-Methyl-2-Pentanone       | 10.21 | 43   | 717898   | 456.411  | ug/l   | 100      |
| 52) Toluene                    | 10.39 | 92   | 790943   | 103.863  | ug/l   | 98       |
| 53) t-1,3-Dichloropropene      | 10.61 | 75   | 383471   | 104.130  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene    | 10.08 | 75   | 467668   | 105.468  | ug/l   | 99       |
| 55) 1,1,2-Trichloroethane      | 10.79 | 97   | 211969   | 102.039  | ug/l   | 100      |
| 56) Ethyl methacrylate         | 10.65 | 69   | 269916   | 105.706  | ug/l   | 98       |
| 57) 1,3-Dichloropropane        | 10.93 | 76   | 366327   | 99.744   | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether  | 9.93  | 63   | 583606   | 473.173  | ug/l   | 100      |
| 59) 2-Hexanone                 | 10.98 | 43   | 500120   | 475.218  | ug/l   | 99       |
| 60) Dibromochloromethane       | 11.13 | 129  | 267121   | 110.404  | ug/l   | 100      |
| 61) 1,2-Dibromoethane          | 11.24 | 107  | 203263   | 101.271  | ug/l   | 98       |
| 64) Tetrachloroethene          | 10.87 | 164  | 258016   | 103.254  | ug/l   | 93       |
| 65) Chlorobenzene              | 11.66 | 112  | 817421   | 106.120  | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.73 | 131  | 290229   | 106.558  | ug/l   | 99       |
| 67) Ethyl Benzene              | 11.73 | 91   | 1519328  | 106.505  | ug/l   | 98       |
| 68) m/p-Xylenes                | 11.84 | 106  | 1145795  | 213.821  | ug/l   | 100      |
| 69) o-Xylene                   | 12.17 | 106  | 530748   | 108.702  | ug/l   | 99       |
| 70) Styrene                    | 12.18 | 104  | 905064   | 107.627  | ug/l   | 99       |
| 71) Bromoform                  | 12.35 | 173  | 134255   | 108.269  | ug/l # | 96       |
| 73) Isopropylbenzene           | 12.47 | 105  | 1490444  | 119.711  | ug/l   | 99       |
| 74) N-amyl acetate             | 12.27 | 43   | 264990   | 101.652  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.72 | 83   | 224898   | 107.944  | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane     | 12.77 | 75   | 164670m  | 106.059  | ug/l   |          |
| 77) Bromobenzene               | 12.75 | 156  | 315201   | 113.186  | ug/l   | 95       |
| 78) n-propylbenzene            | 12.80 | 91   | 1731796  | 115.010  | ug/l   | 100      |
| 79) 2-Chlorotoluene            | 12.90 | 91   | 978210   | 113.767  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene     | 12.94 | 105  | 1241931  | 116.796  | ug/l   | 98       |
| 81) trans-1,4-Dichloro-2-buten | 12.52 | 75   | 75093    | 121.798  | ug/l   | 97       |
| 82) 4-Chlorotoluene            | 12.99 | 91   | 1010122  | 112.310  | ug/l   | 100      |
| 83) tert-Butylbenzene          | 13.21 | 119  | 1044585  | 118.574  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene     | 13.26 | 105  | 1219353  | 114.852  | ug/l   | 98       |
| 85) sec-Butylbenzene           | 13.38 | 105  | 1470703  | 115.508  | ug/l   | 99       |
| 86) p-Isopropyltoluene         | 13.50 | 119  | 1327845  | 114.198  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene        | 13.50 | 146  | 594827   | 106.352  | ug/l   | 97       |
| 88) 1,4-Dichlorobenzene        | 13.58 | 146  | 592076   | 108.348  | ug/l   | 99       |
| 89) n-Butylbenzene             | 13.82 | 91   | 1248538  | 113.130  | ug/l   | 99       |
| 90) Hexachloroethane           | 14.10 | 117  | 250600   | 119.342  | ug/l   | 98       |
| 91) 1,2-Dichlorobenzene        | 13.87 | 146  | 526441   | 109.277  | ug/l   | 100      |
| 92) 1,2-Dibromo-3-Chloropropan | 14.49 | 75   | 36368    | 109.650  | ug/l   | 96       |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081420\  
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Acq On : 14 Aug 2020 11:25  
Operator : SY/VA  
Sample : VSTDICC100  
Misc : 5.00G/5ML/MSVOA W/SOIL  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDICC100

Manual Integrations  
APPROVED

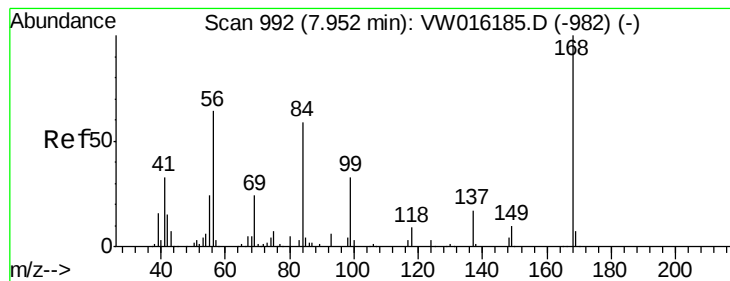
MMDadoda  
8/17/2020 5:46:29 PM

Quant Time: Aug 14 12:22:10 2020  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W081420S.M  
Quant Title : SW846 8260  
QLast Update : Fri Aug 14 11:36:08 2020  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc    | Units | Dev(Min) |
|----------------------------|-------|------|----------|---------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 15.13 | 180  | 348689   | 115.085 | ug/l  | 99       |
| 94) Hexachlorobutadiene    | 15.24 | 225  | 203185   | 107.500 | ug/l  | 95       |
| 95) Naphthalene            | 15.37 | 128  | 679535   | 130.577 | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 15.56 | 180  | 293544   | 112.520 | ug/l  | 98       |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.96 min Scan# 993

Delta R.T. 0.01 min

Lab File: VW016186.D

Acq: 14 Aug 2020 11:25

Instrument :

MSVOA\_W

ClientSampleId :

VSTDIC100

Tot Ion:168 Resp: 270088

Ion Ratio Lower Upper

168 100

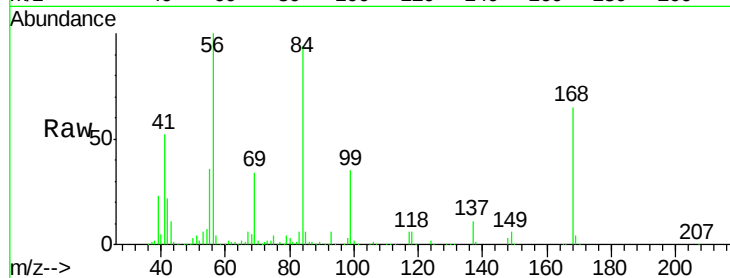
99 54.4 48.3 72.5

Manual Integrations

APPROVED

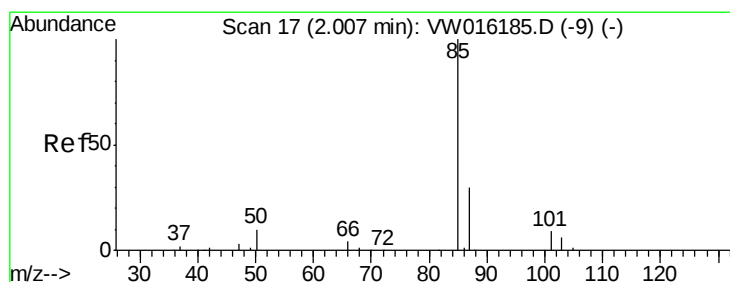
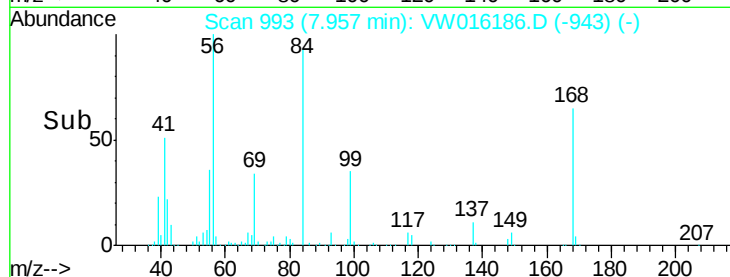
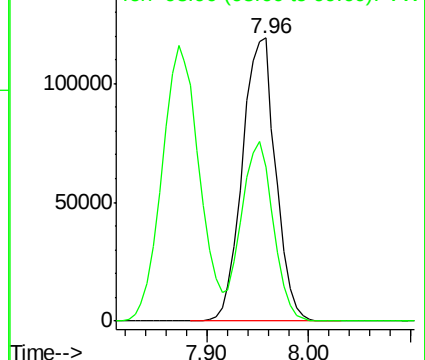
MMDadoda

8/17/2020 5:46:29 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 126.166 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW016186.D

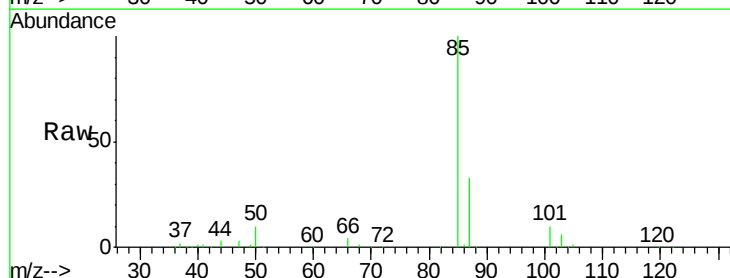
Acq: 14 Aug 2020 11:25

Tgt Ion: 85 Resp: 183717

Ion Ratio Lower Upper

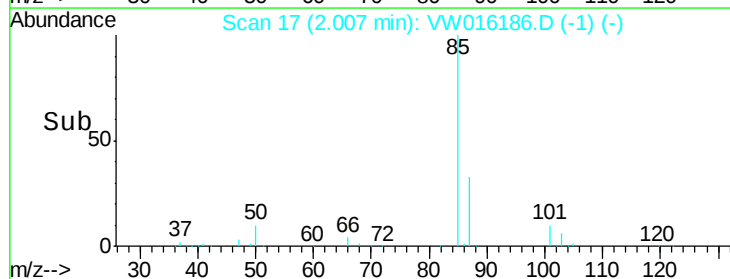
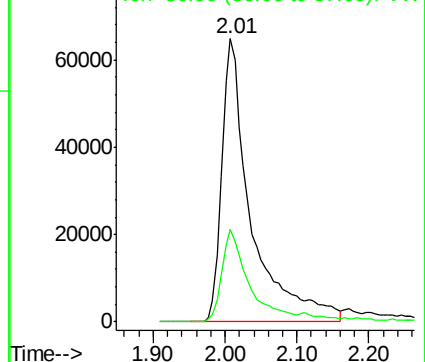
85 100

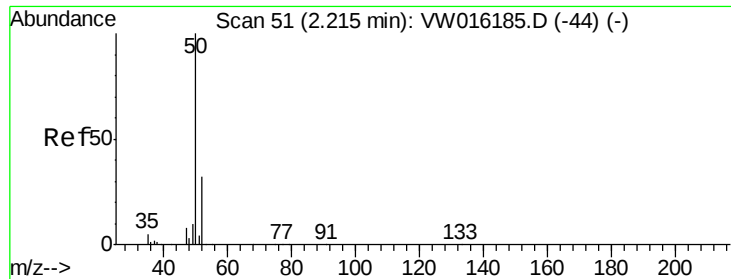
87 32.6 14.9 44.5



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 101.584 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW016186.D

Acq: 14 Aug 2020 11:25

Instrument :

MSVOA\_W

ClientSampleId :

VSTDIC100

Tot Ion: 50 Resp: 195856

Ion Ratio Lower Upper

50 100

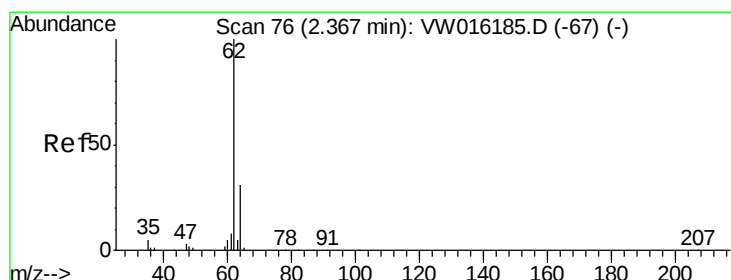
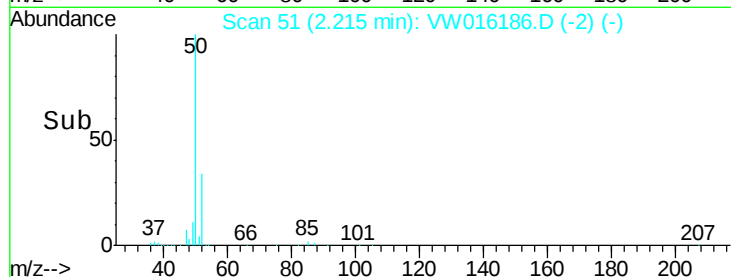
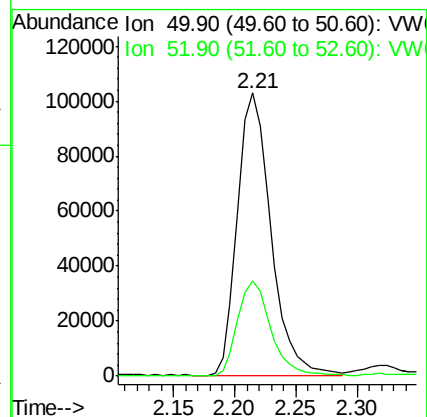
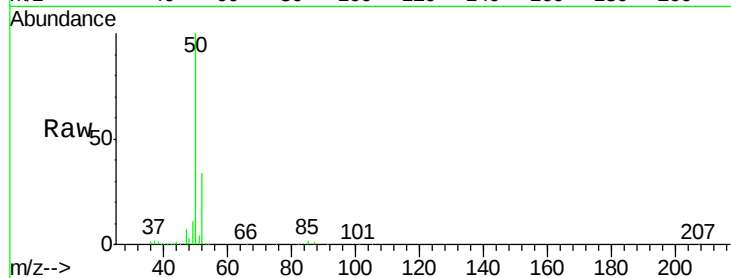
52 33.8 25.3 37.9

Manual Integrations

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8/17/2020 5:46:29 PM



#4

Vinyl Chloride

Concen: 91.654 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW016186.D

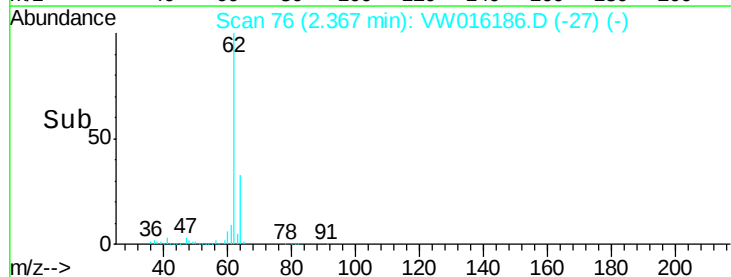
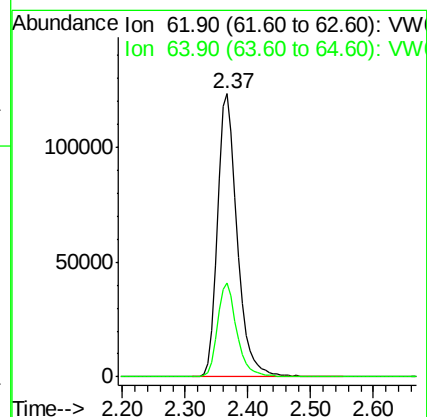
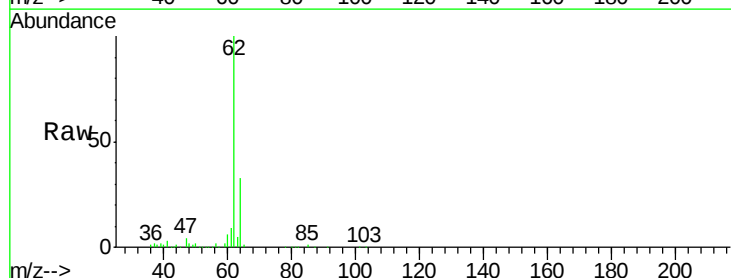
Acq: 14 Aug 2020 11:25

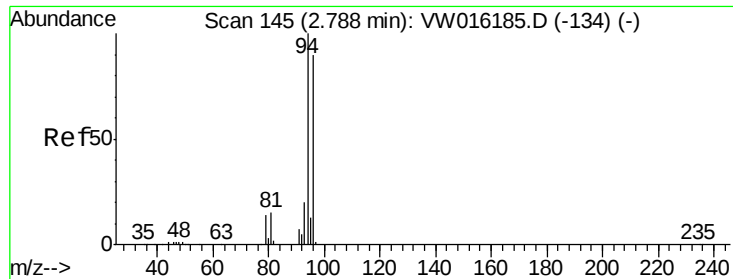
Tgt Ion: 62 Resp: 268128

Ion Ratio Lower Upper

62 100

64 33.3 24.5 36.7





#5

Bromomethane

Concen: 75.868 ug/l

RT: 2.78 min Scan# 144

Delta R.T. -0.01 min

Lab File: VW016186.D

Acq: 14 Aug 2020 11:25

Instrument :

MSVOA\_W

ClientSampled :

VSTDIC100

Tot Ion: 94 Resp: 166403

Ion Ratio Lower Upper

94 100

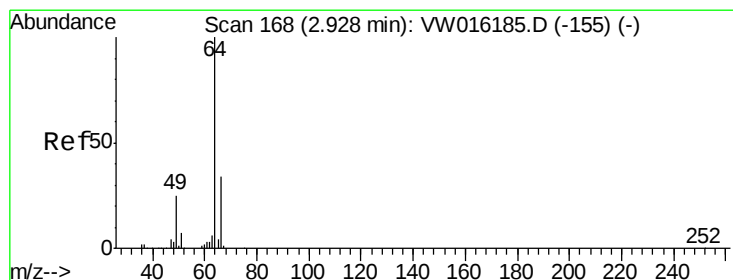
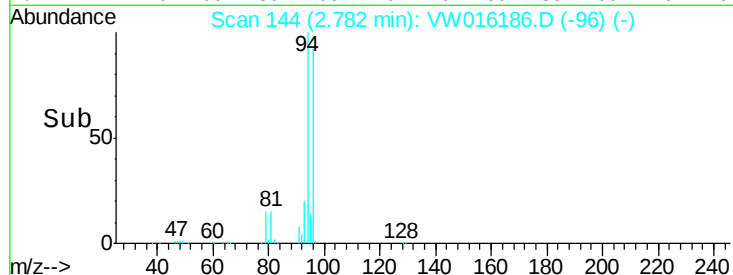
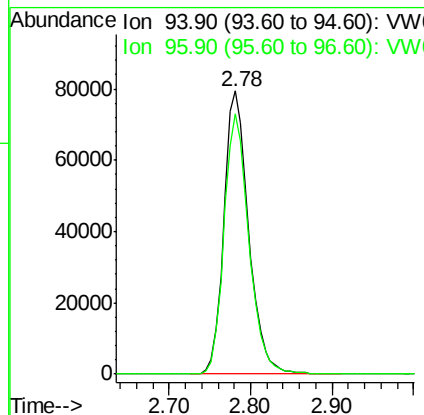
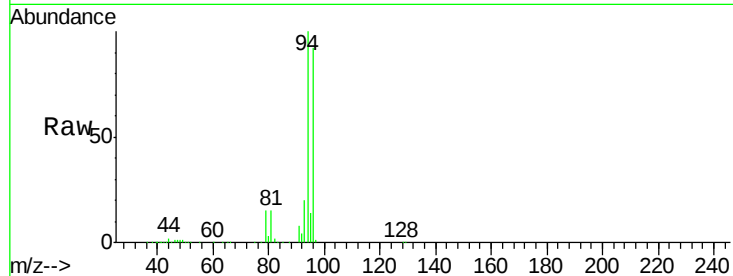
96 92.2 71.8 107.6

Manual Integrations

APPROVED

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8/17/2020 5:46:29 PM



#6

Chloroethane

Concen: 81.500 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.01 min

Lab File: VW016186.D

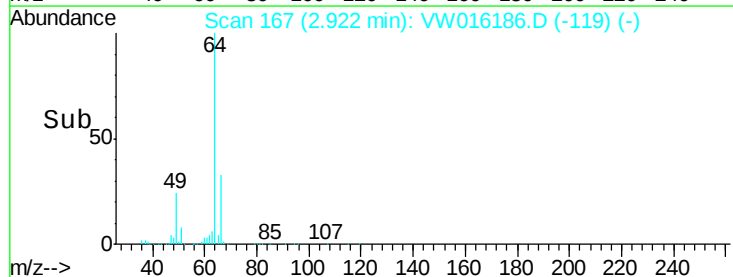
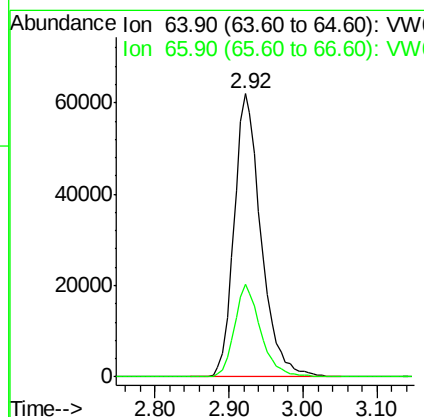
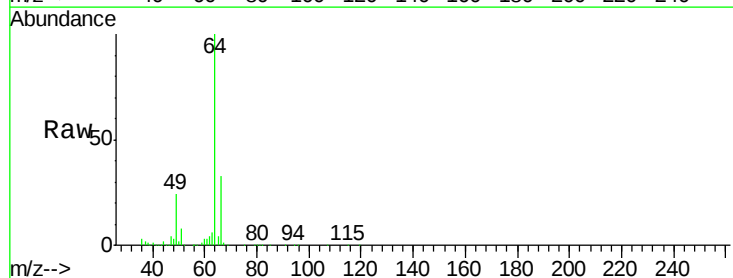
Acq: 14 Aug 2020 11:25

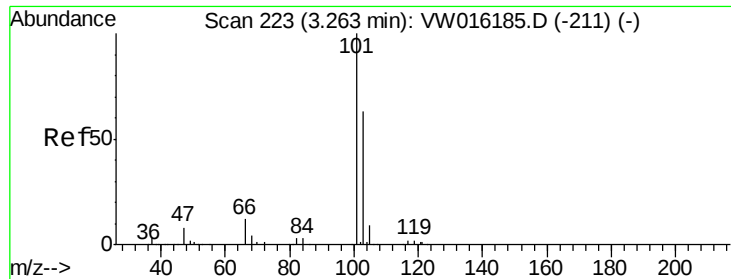
Tgt Ion: 64 Resp: 157357

Ion Ratio Lower Upper

64 100

66 32.7 26.9 40.3





#7

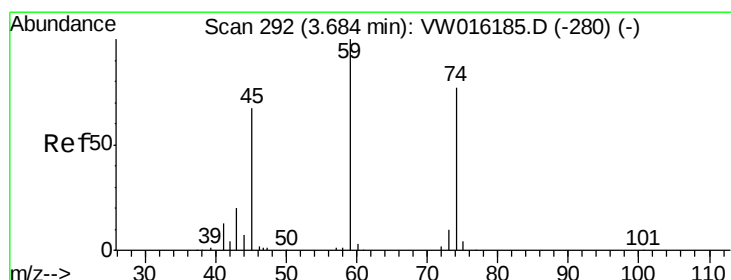
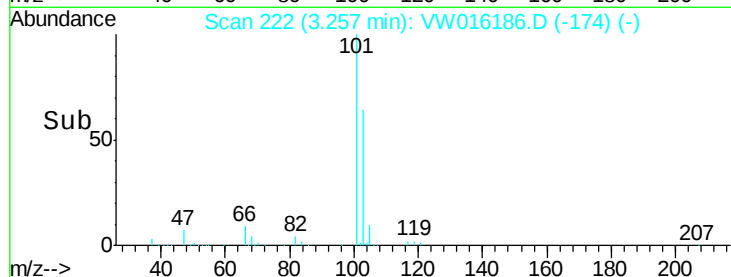
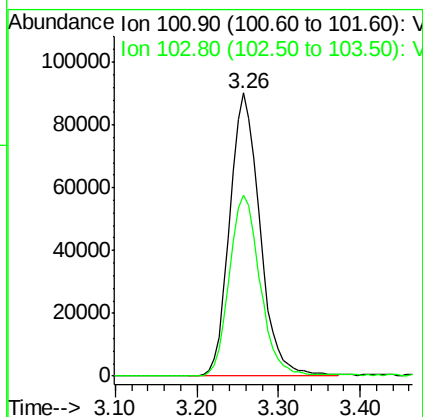
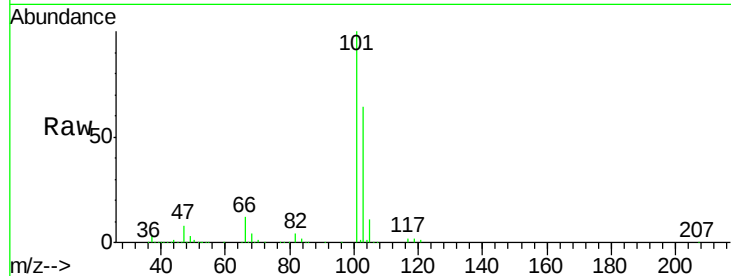
Trichlorofluoromethane  
 Concen: 108.677 ug/l  
 RT: 3.26 min Scan# 222  
 Delta R.T. -0.01 min  
 Lab File: VW016186.D  
 Acq: 14 Aug 2020 11:25

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDIC100

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 63.9  | 50.4  | 75.6  |

Manual Integrations  
 APPROVED

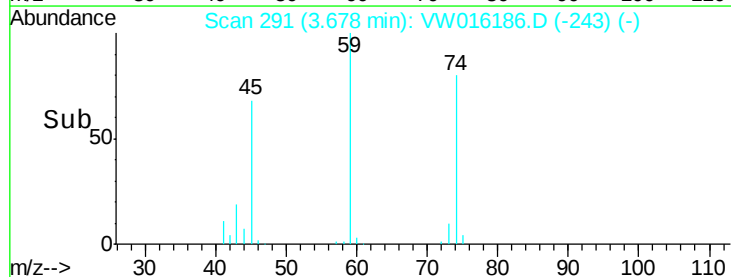
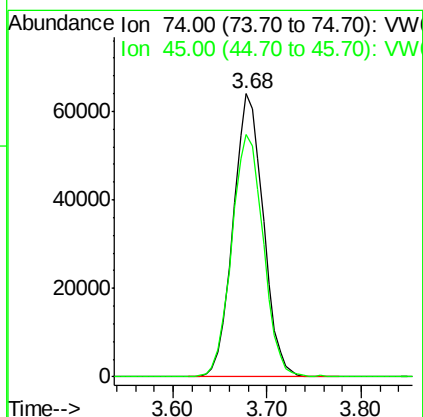
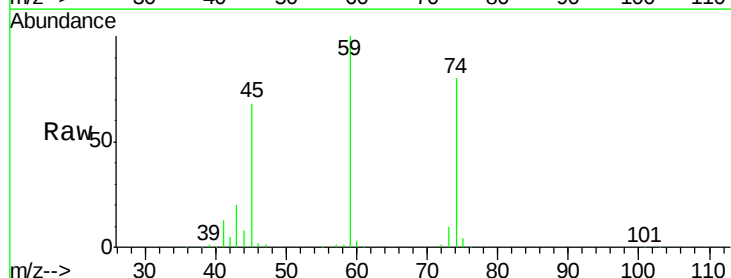
MMDadoda  
 8/17/2020 5:46:29 PM

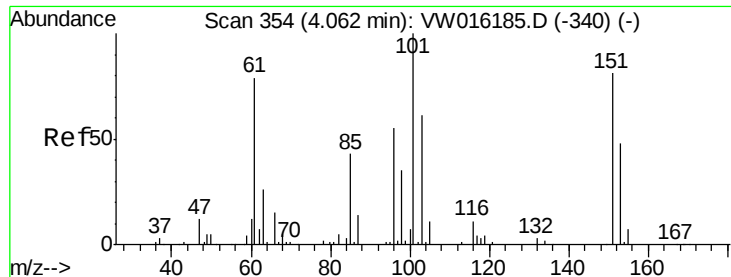


#8

Diethyl Ether  
 Concen: 106.285 ug/l  
 RT: 3.68 min Scan# 291  
 Delta R.T. -0.01 min  
 Lab File: VW016186.D  
 Acq: 14 Aug 2020 11:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 89.8  | 45.9  | 137.7 |





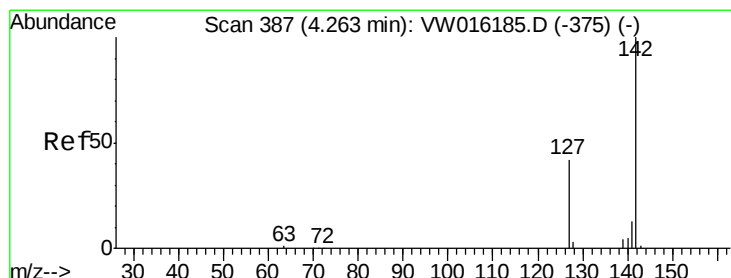
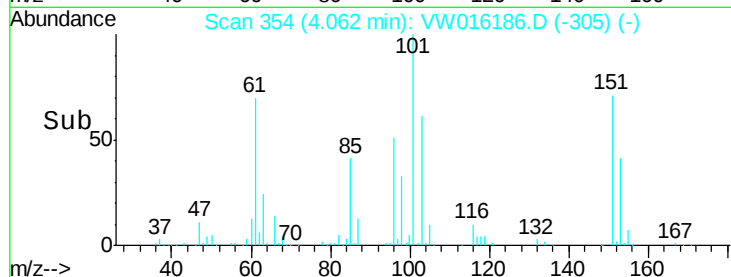
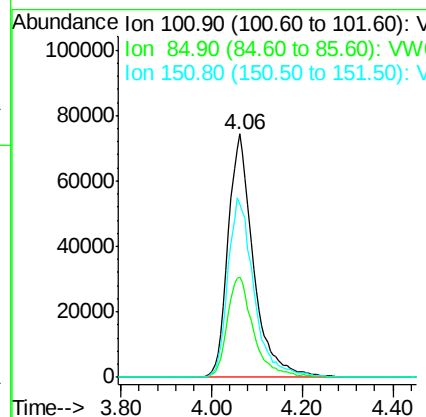
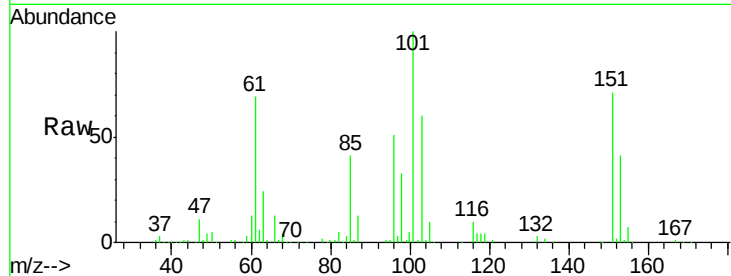
#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 113.758 ug/l  
RT: 4.06 min Scan# 354  
Delta R.T. -0.00 min  
Lab File: VW016186.D  
Acq: 14 Aug 2020 11:25

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC100

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 101     | 100   | 289441 |       |       |
| 85      | 42.3  | 33.3   | 49.9  |       |
| 151     | 75.7  | 61.1   | 91.7  |       |

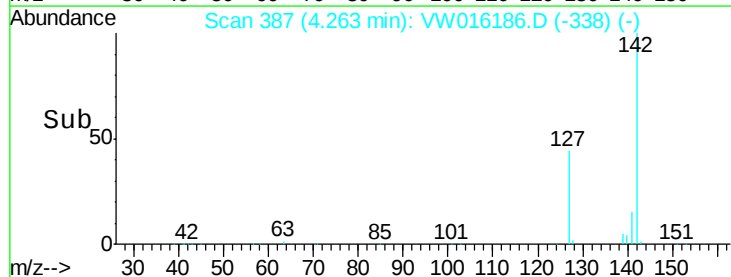
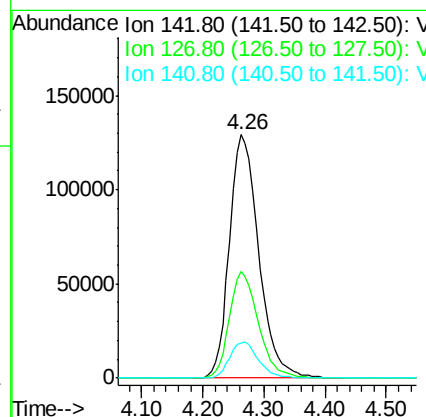
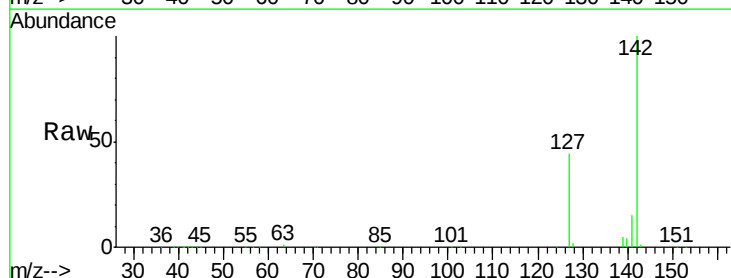
Manual Integrations  
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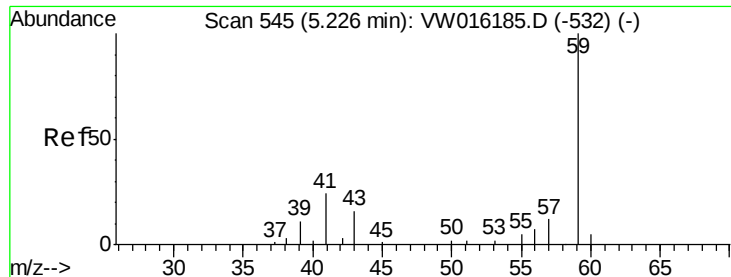
MMDadoda  
8/17/2020 5:46:29 PM



#10  
Methyl Iodide  
Concen: 119.606 ug/l  
RT: 4.26 min Scan# 387  
Delta R.T. -0.00 min  
Lab File: VW016186.D  
Acq: 14 Aug 2020 11:25

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 142     | 100   | 427624 |       |       |
| 127     | 43.3  | 34.6   | 52.0  |       |
| 141     | 14.6  | 11.4   | 17.2  |       |





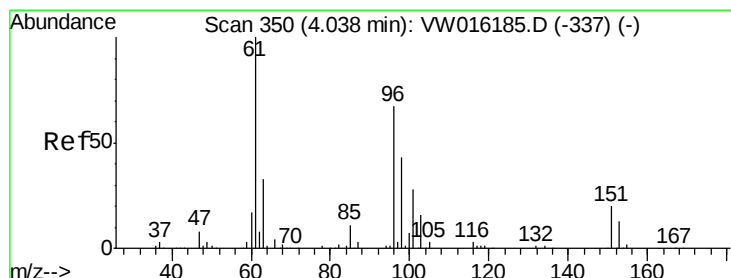
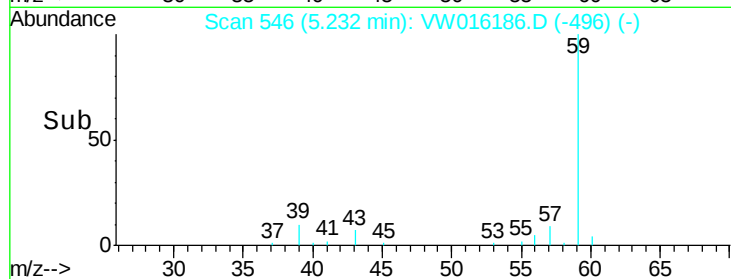
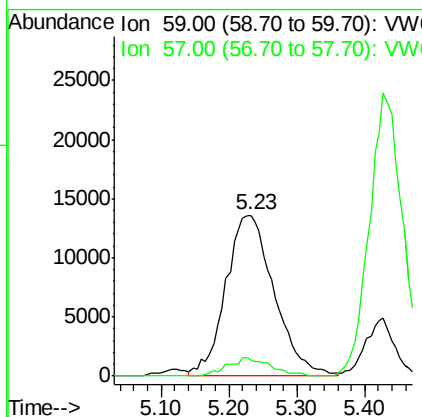
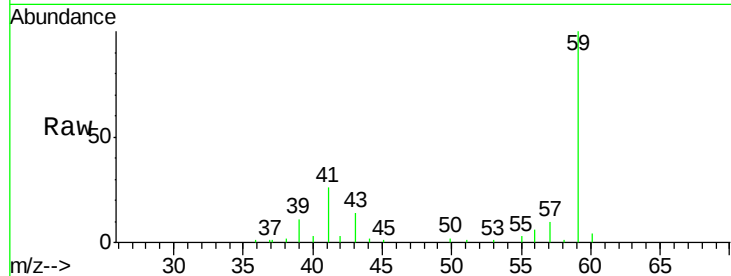
#11  
Tert butyl alcohol  
Concen: 440.124 ug/l  
RT: 5.23 min Scan# 546  
Delta R.T. 0.01 min  
Lab File: VW016186.D  
Acq: 14 Aug 2020 11:25

Instrument :  
MSVOA\_W  
ClientSampled :  
VSTDIC100

Tot Ion: 59 Resp: 67311  
Ion Ratio Lower Upper  
59 100  
57 10.3 9.0 13.6

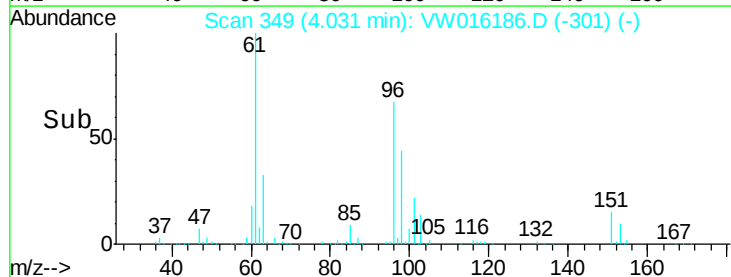
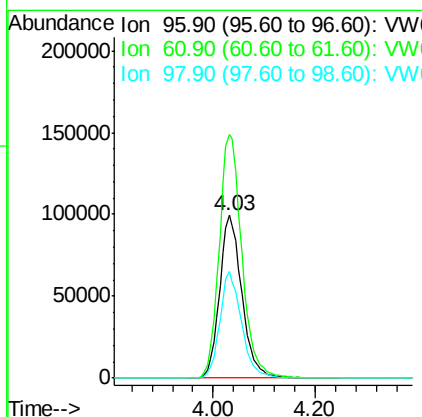
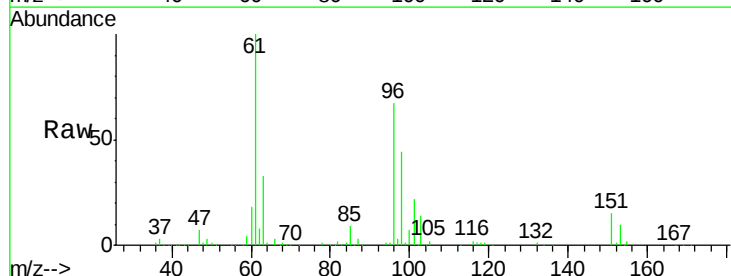
Manual Integrations  
APPROVED

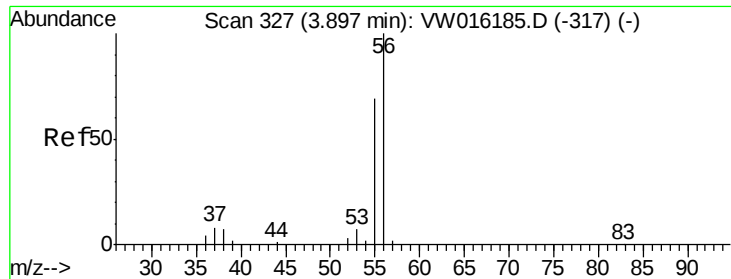
MMDadoda  
8/17/2020 5:46:29 PM



#12  
1,1-Dichloroethene  
Concen: 119.246 ug/l  
RT: 4.03 min Scan# 349  
Delta R.T. -0.01 min  
Lab File: VW016186.D  
Acq: 14 Aug 2020 11:25

Tgt Ion: 96 Resp: 300579  
Ion Ratio Lower Upper  
96 100  
61 149.8 119.5 179.3  
98 65.3 51.3 76.9





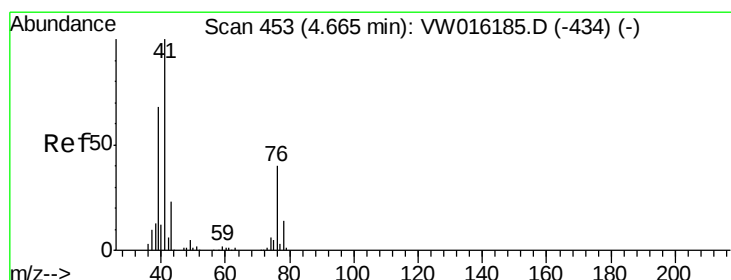
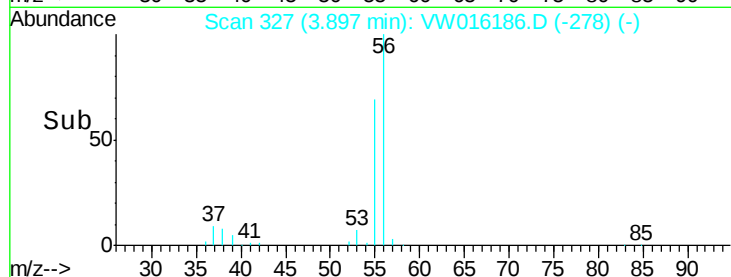
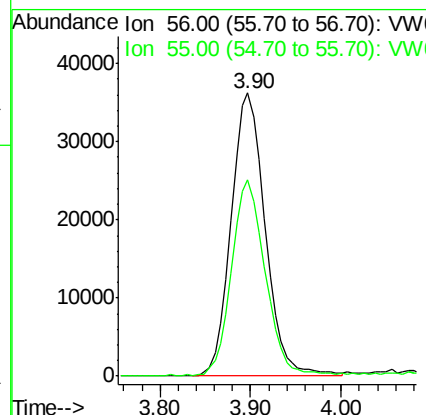
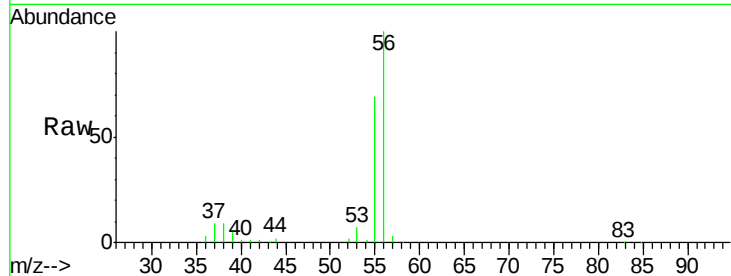
#13  
Acrolein  
Concen: 489.396 ug/l  
RT: 3.90 min Scan# 327  
Delta R.T. -0.00 min  
Lab File: VW016186.D  
Acq: 14 Aug 2020 11:25

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC100

| Tot Ion   | 56   | Resp  | 94725 |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 56        | 100  |       |       |
| 55        | 68.0 | 55.0  | 82.6  |

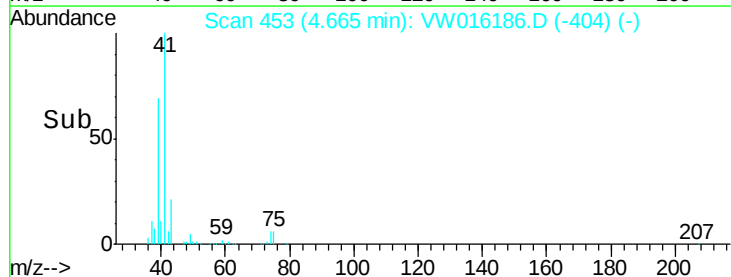
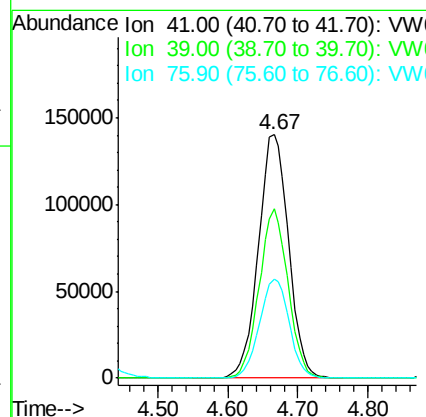
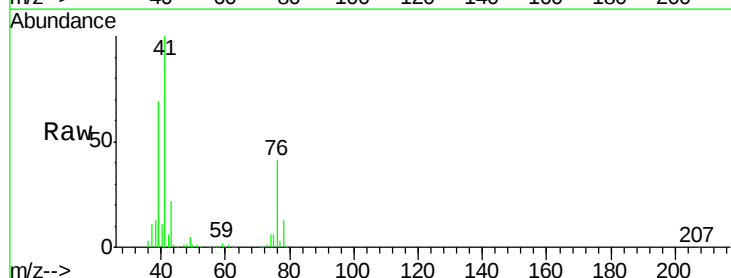
Manual Integrations  
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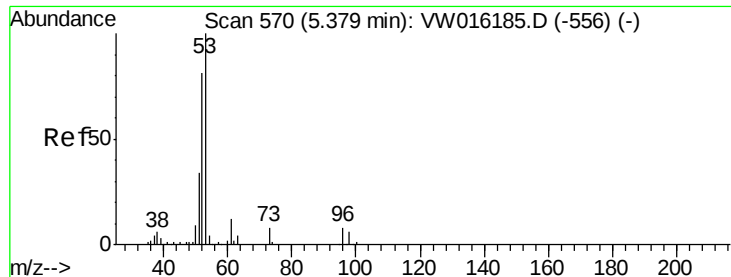
MMDadoda  
8/17/2020 5:46:29 PM



#14  
Allyl chloride  
Concen: 106.133 ug/l  
RT: 4.67 min Scan# 453  
Delta R.T. -0.00 min  
Lab File: VW016186.D  
Acq: 14 Aug 2020 11:25

| Tgt Ion   | 41   | Resp  | 420408 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 41        | 100  |       |        |
| 39        | 66.5 | 53.4  | 80.0   |
| 76        | 40.0 | 32.0  | 48.0   |





#15

Acrylonitrile

Concen: 512.403 ug/l

RT: 5.38 min Scan# 570

Delta R.T. -0.00 min

Lab File: VW016186.D

Acq: 14 Aug 2020 11:25

Instrument :

MSVOA\_W

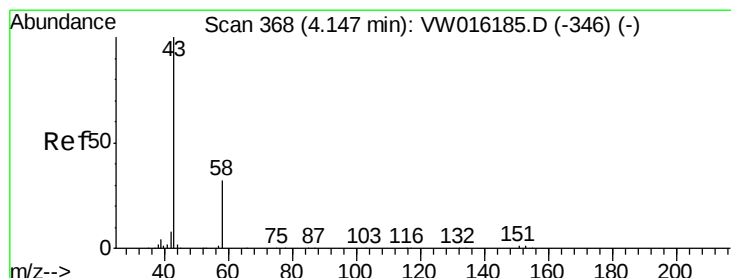
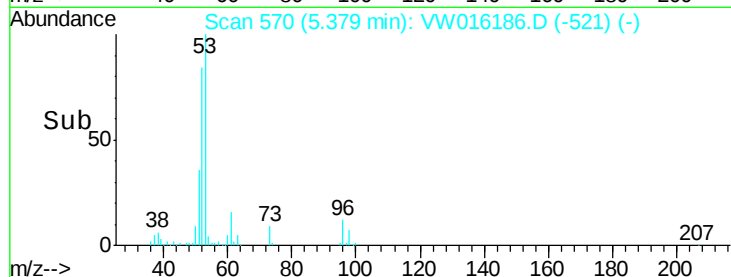
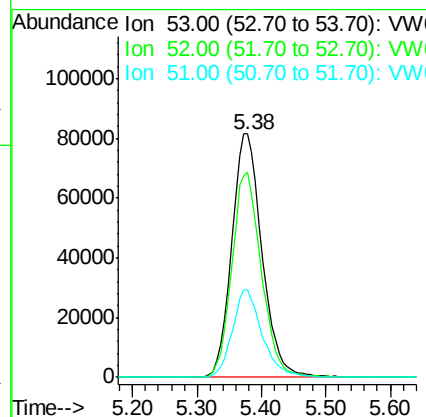
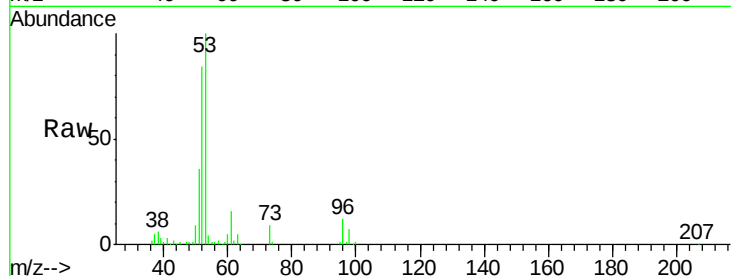
ClientSampleId :

VSTDIC100

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 53    | Resp: | 267666 |
| Ion Ratio | Lower | Upper |        |
| 53        | 100   |       |        |
| 52        | 81.7  | 65.3  | 97.9   |
| 51        | 35.5  | 29.0  | 43.4   |

Manual Integrations  
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#16

Acetone

Concen: 485.621 ug/l

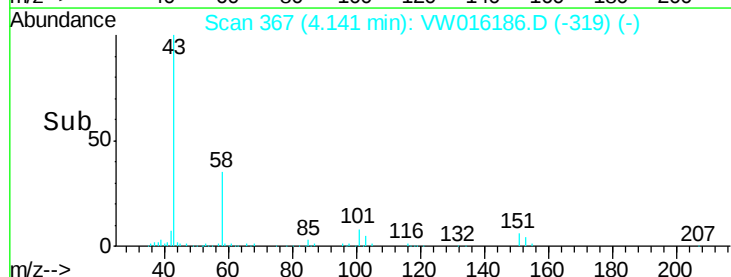
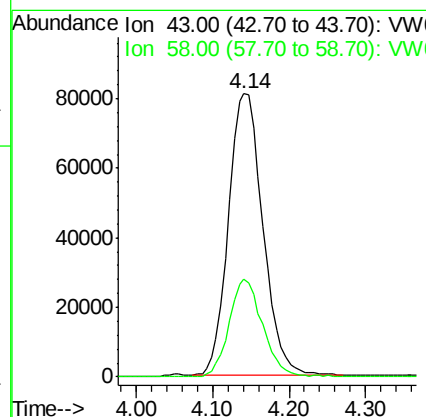
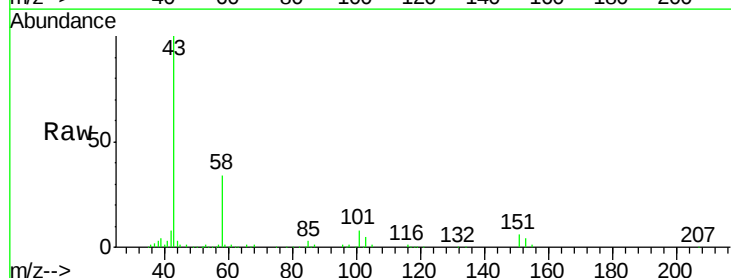
RT: 4.14 min Scan# 367

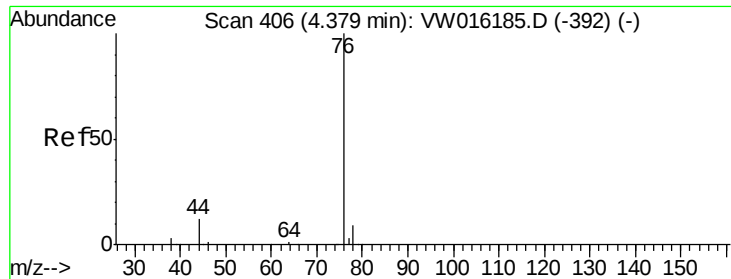
Delta R.T. -0.01 min

Lab File: VW016186.D

Acq: 14 Aug 2020 11:25

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 43    | Resp: | 251762 |
| Ion Ratio | Lower | Upper |        |
| 43        | 100   |       |        |
| 58        | 34.4  | 25.8  | 38.6   |





#17

Carbon Disulfide

Concen: 119.705 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.00 min

Lab File: VW016186.D

Acq: 14 Aug 2020 11:25

Instrument :

MSVOA\_W

ClientSampleId :

VSTDIC100

Tot Ion: 76 Resp: 894420

Ion Ratio Lower Upper

76 100

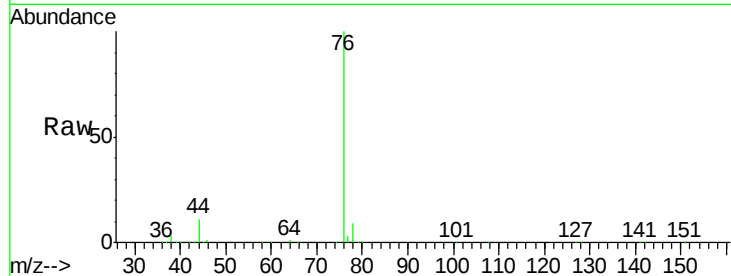
78 9.1 7.0 10.6

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

4.38

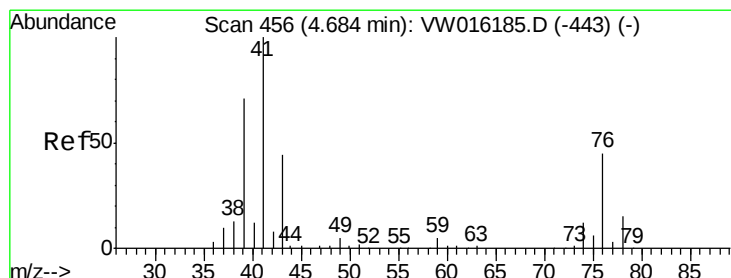
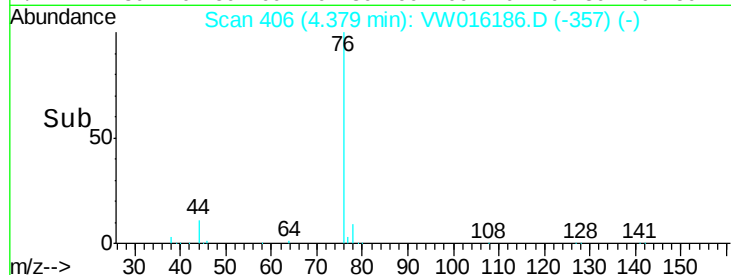
300000

200000

100000

0

Time-->



#18

Methyl Acetate

Concen: 93.929 ug/l

RT: 4.68 min Scan# 455

Delta R.T. -0.01 min

Lab File: VW016186.D

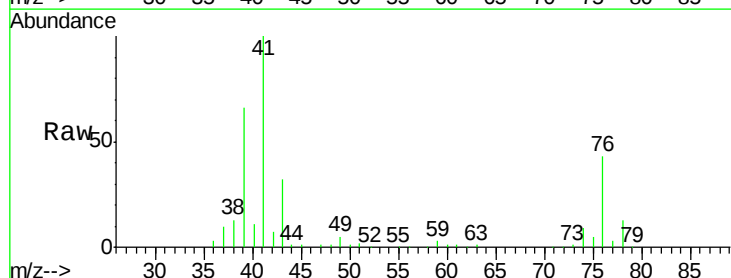
Acq: 14 Aug 2020 11:25

Tgt Ion: 43 Resp: 111019

Ion Ratio Lower Upper

43 100

74 26.6 20.6 31.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

4.68

40000

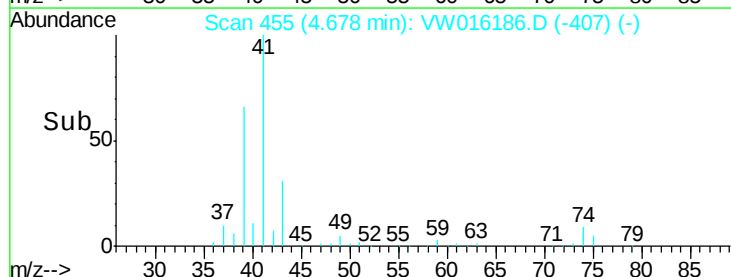
30000

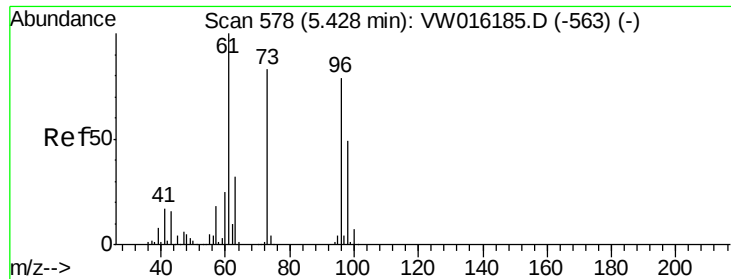
20000

10000

0

Time-->





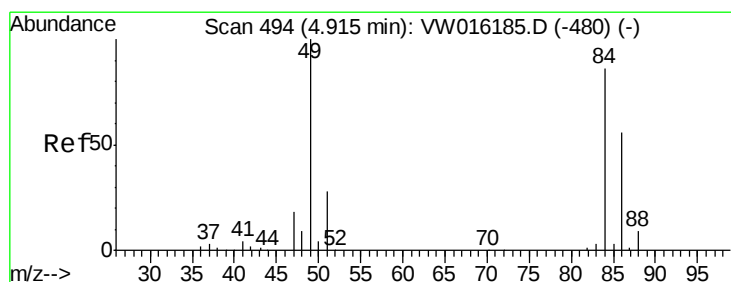
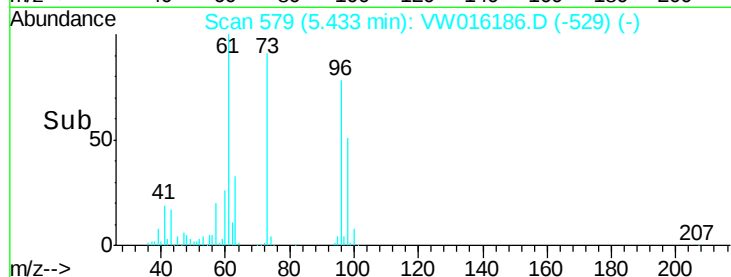
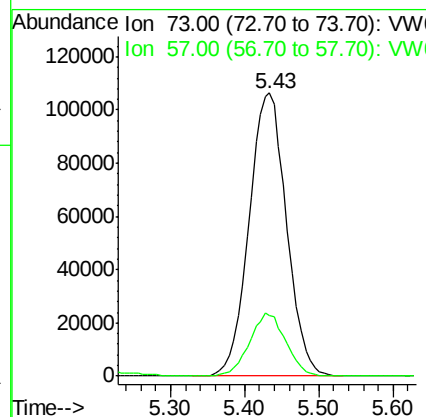
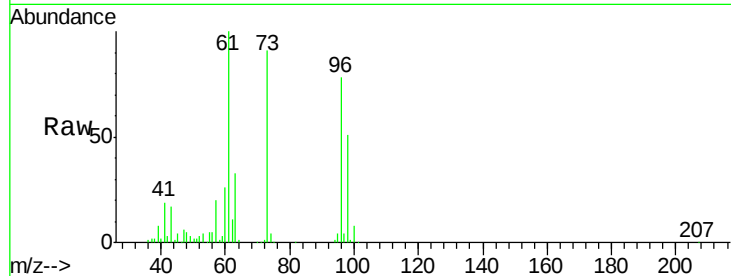
#19  
Methyl tert-butyl Ether  
Concen: 101.633 ug/l  
RT: 5.43 min Scan# 579  
Delta R.T. 0.01 min  
Lab File: VW016186.D  
Acq: 14 Aug 2020 11:25

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC100

Tot Ion: 73 Resp: 373404  
Ion Ratio Lower Upper  
73 100  
57 21.6 17.2 25.8

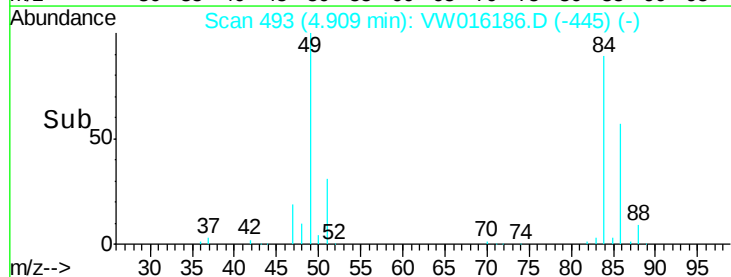
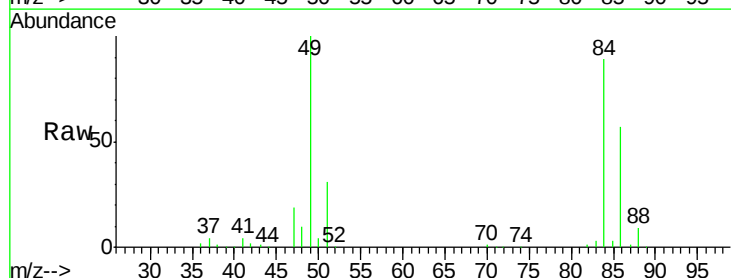
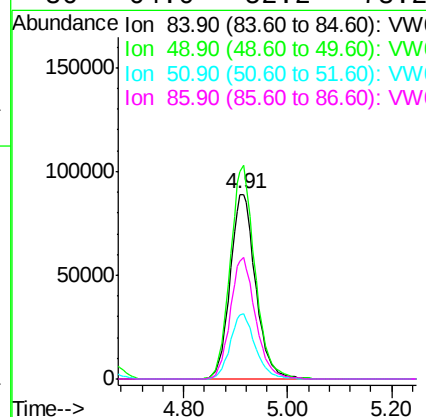
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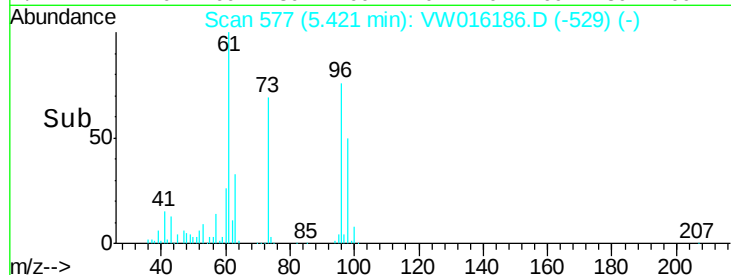
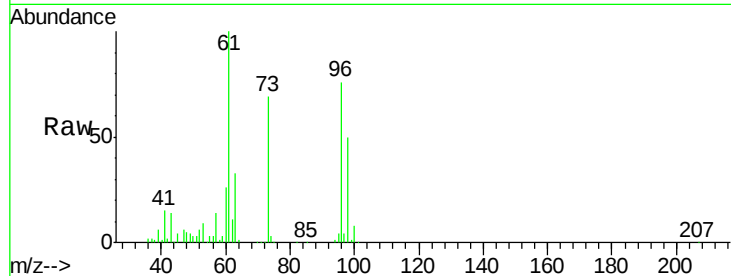
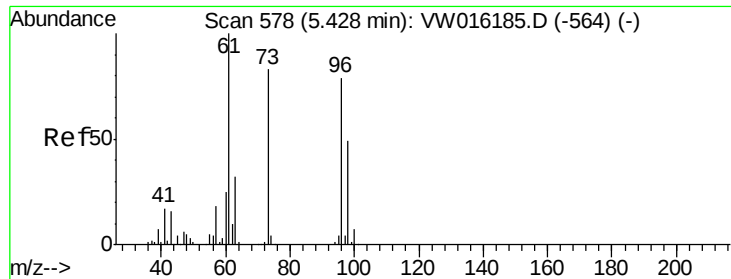
MMDadoda  
8/17/2020 5:46:29 PM



#20  
Methylene Chloride  
Concen: 99.332 ug/l  
RT: 4.91 min Scan# 493  
Delta R.T. -0.01 min  
Lab File: VW016186.D  
Acq: 14 Aug 2020 11:25

Tgt Ion: 84 Resp: 305357  
Ion Ratio Lower Upper  
84 100  
49 112.2 93.4 140.2  
51 34.6 26.6 40.0  
86 64.0 52.2 78.2





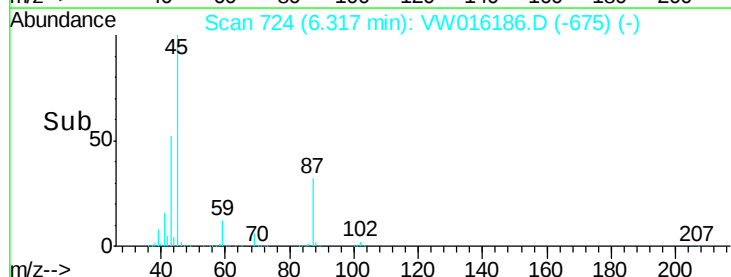
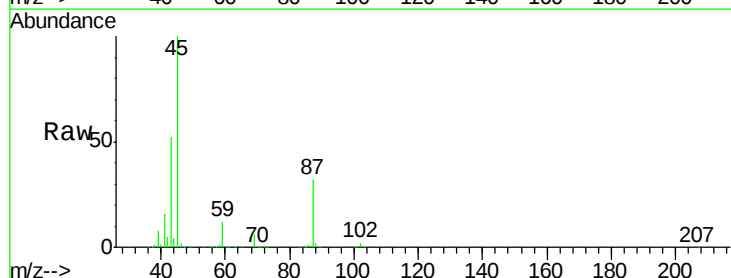
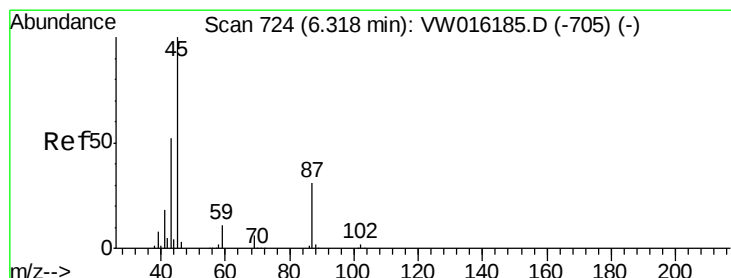
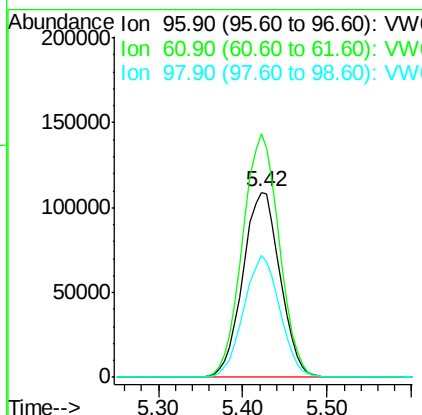
#21  
trans-1,2-Dichloroethene  
Concen: 113.146 ug/l  
RT: 5.42 min Scan# 577  
Delta R.T. -0.01 min  
Lab File: VW016186.D  
Acq: 14 Aug 2020 11:25

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 131.6 | 101.4 | 152.0 |
| 98      | 65.9  | 49.4  | 74.0  |

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC100

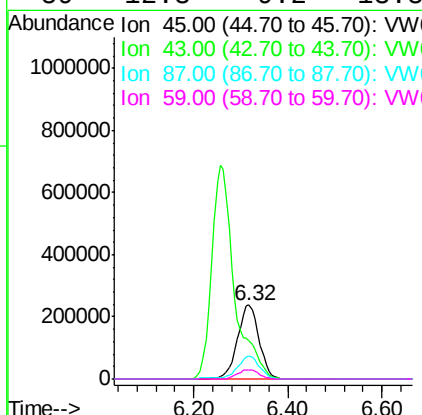
Manual Integrations  
APPROVED

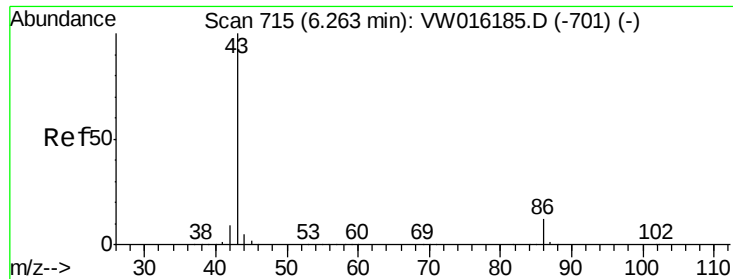
MMDadoda  
8/17/2020 5:46:29 PM



#22  
Diisopropyl ether  
Concen: 95.560 ug/l  
RT: 6.32 min Scan# 724  
Delta R.T. -0.00 min  
Lab File: VW016186.D  
Acq: 14 Aug 2020 11:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 45      | 100   |       |       |
| 43      | 52.1  | 41.7  | 62.5  |
| 87      | 31.8  | 25.0  | 37.6  |
| 59      | 12.3  | 9.2   | 13.8  |





#23

Vinyl Acetate

Concen: 482.544 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.01 min

Lab File: VW016186.D

Acq: 14 Aug 2020 11:25

Instrument :

MSVOA\_W

ClientSampleId :

VSTDICC100

Tot Ion: 43 Resp: 2273844

Ion Ratio Lower Upper

43 100

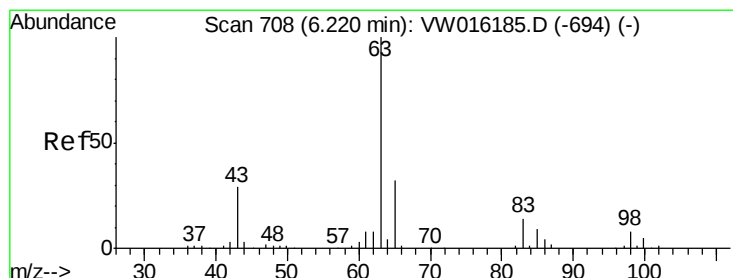
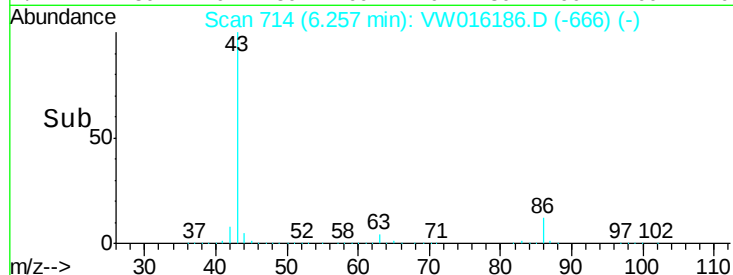
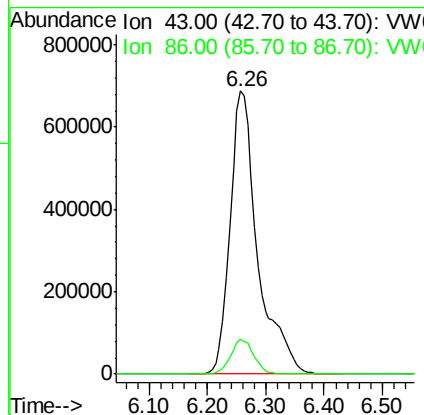
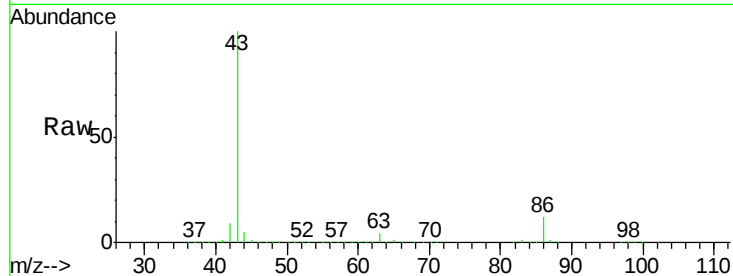
86 12.3 9.8 14.8

Manual Integrations

APPROVED

MMDadoda

8/17/2020 5:46:29 PM



#24

1,1-Dichloroethane

Concen: 102.226 ug/l

RT: 6.22 min Scan# 708

Delta R.T. -0.00 min

Lab File: VW016186.D

Acq: 14 Aug 2020 11:25

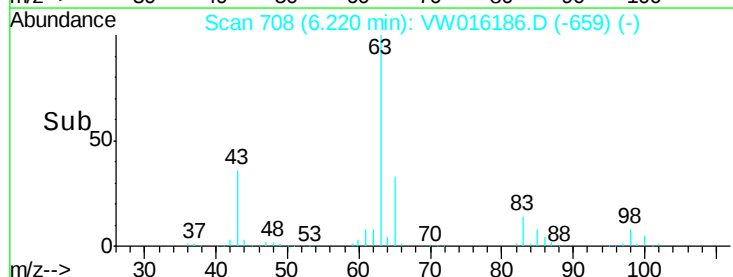
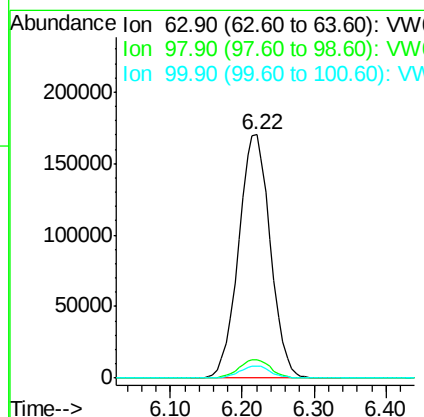
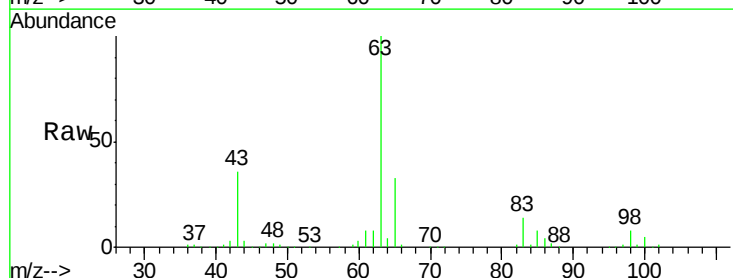
Tgt Ion: 63 Resp: 519491

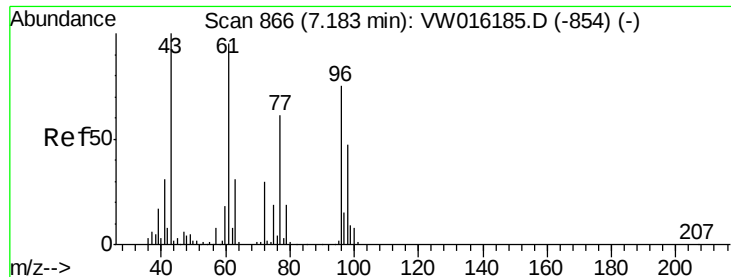
Ion Ratio Lower Upper

63 100

98 7.5 3.9 11.7

100 4.7 2.6 8.0





#25

2-Butanone

Concen: 479.529 ug/l

RT: 7.18 min Scan# 866

Delta R.T. -0.00 min

Lab File: VW016186.D

Acq: 14 Aug 2020 11:25

Instrument :

MSVOA\_W

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 335944

Ion Ratio Lower Upper

43 100

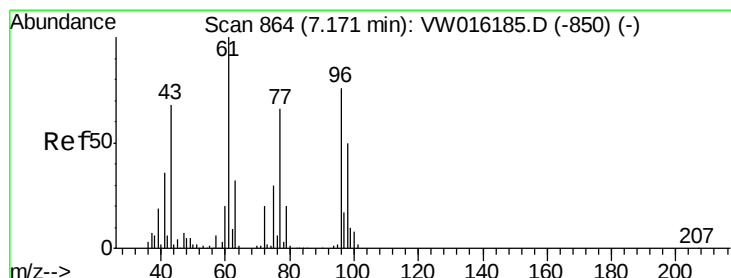
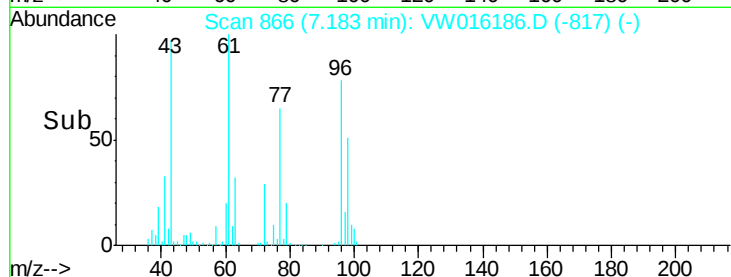
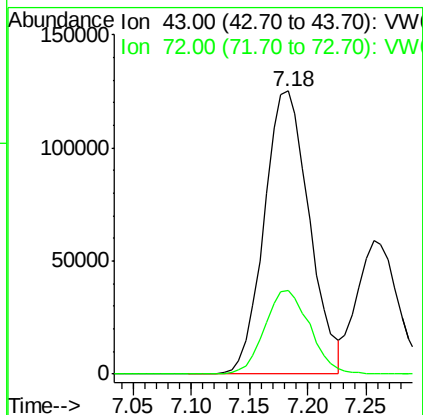
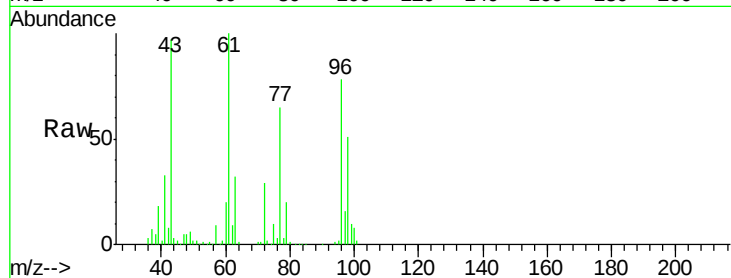
72 29.5 24.2 36.2

Manual Integrations

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MMDadoda

8/17/2020 5:46:29 PM



#26

2,2-Dichloropropane

Concen: 100.479 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW016186.D

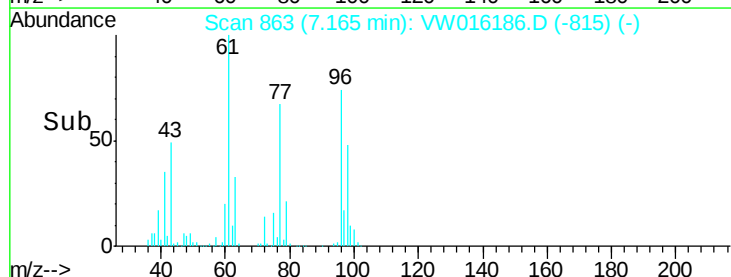
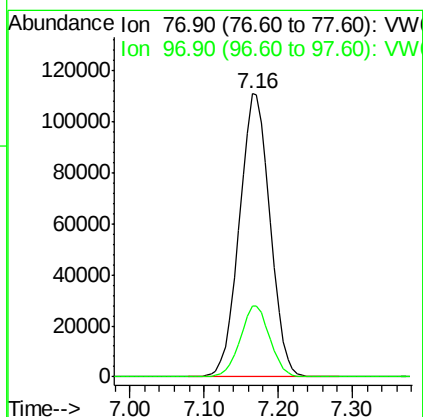
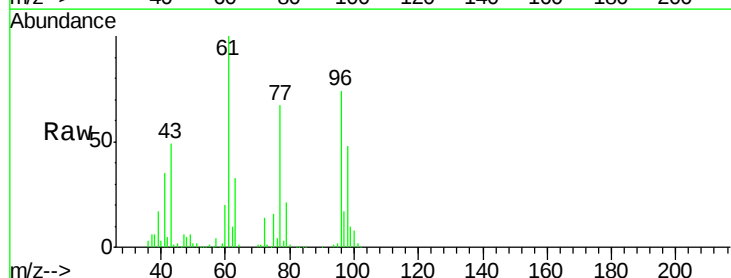
Acq: 14 Aug 2020 11:25

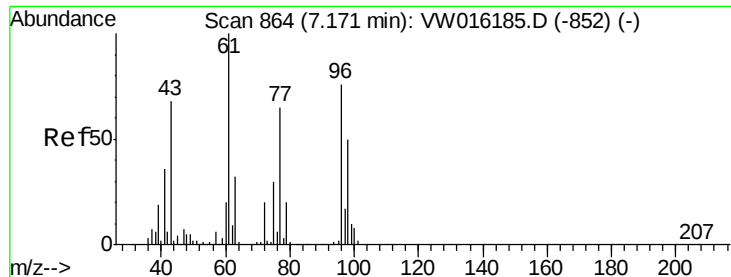
Tgt Ion: 77 Resp: 320932

Ion Ratio Lower Upper

77 100

97 24.2 12.1 36.3





#27

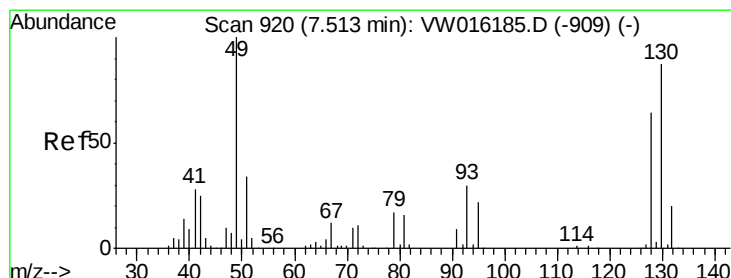
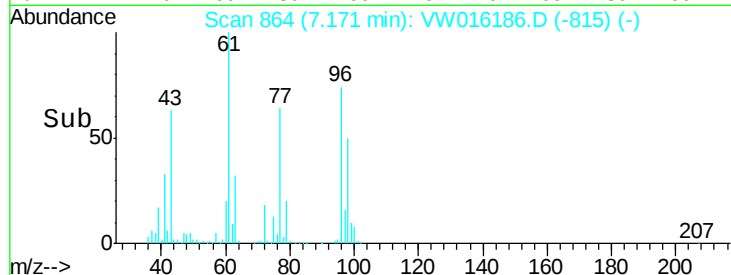
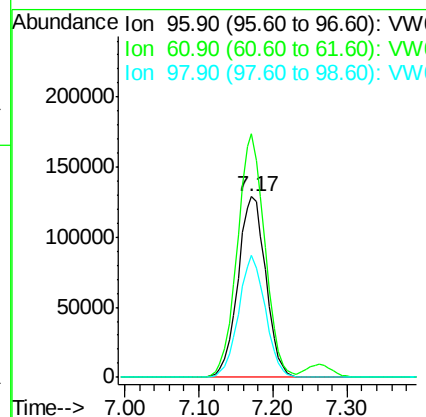
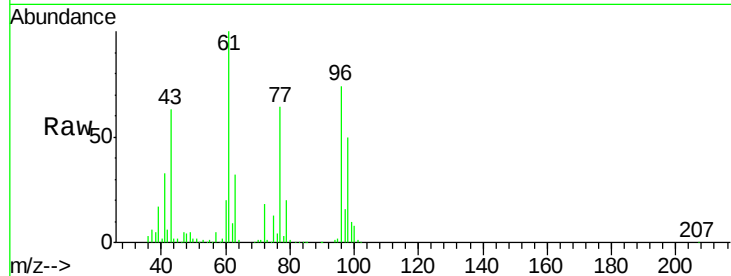
cis-1,2-Dichloroethene  
Concen: 110.199 ug/l  
RT: 7.17 min Scan# 864  
Delta R.T. -0.00 min  
Lab File: VW016186.D  
Acq: 14 Aug 2020 11:25

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC100

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 96      | 100   |      |       |       |
| 61      | 132.4 | 0.0  | 267.0 |       |
| 98      | 64.7  | 0.0  | 129.6 |       |

Manual Integrations  
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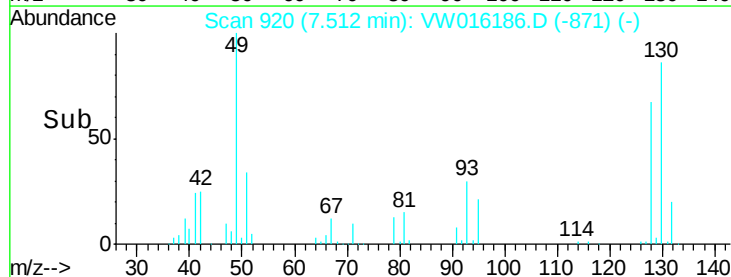
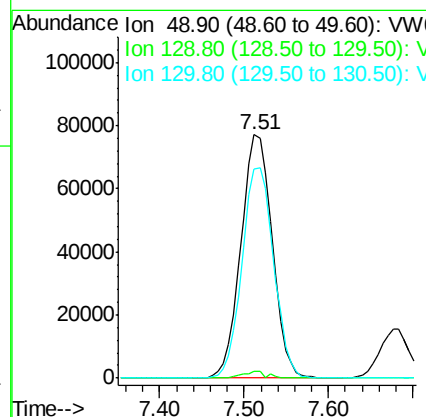
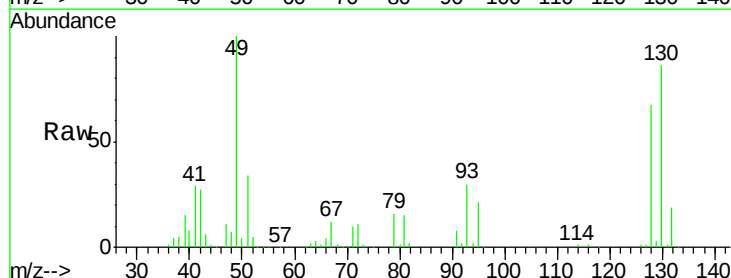
MMDadoda  
8/17/2020 5:46:29 PM

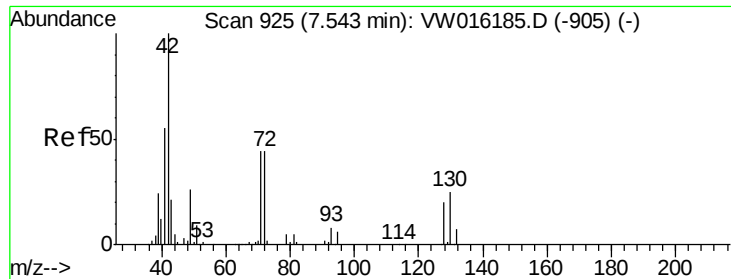


#28

Bromochloromethane  
Concen: 94.420 ug/l  
RT: 7.51 min Scan# 920  
Delta R.T. -0.00 min  
Lab File: VW016186.D  
Acq: 14 Aug 2020 11:25

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 49      | 100   |      |       |       |
| 129     | 2.1   | 0.0  | 4.2   |       |
| 130     | 87.2  | 69.9 | 104.9 |       |





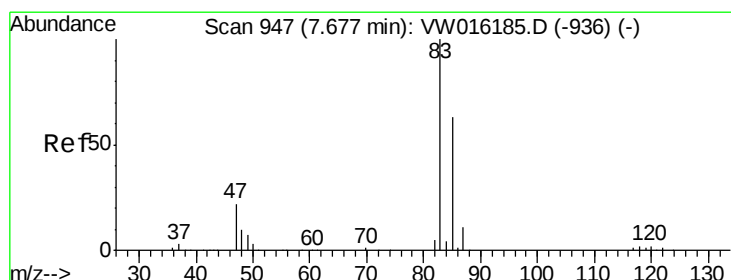
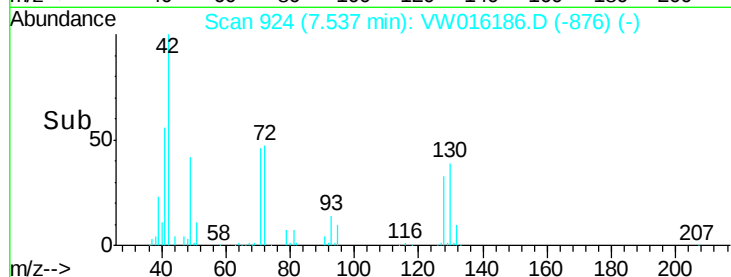
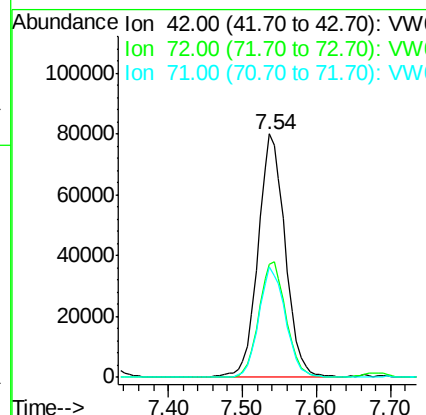
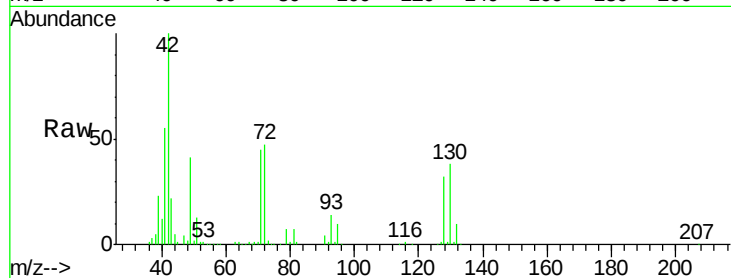
#29  
Tetrahydrofuran  
Concen: 482.036 ug/l  
RT: 7.54 min Scan# 924  
Delta R.T. -0.01 min  
Lab File: VW016186.D  
Acq: 14 Aug 2020 11:25

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC100

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 47.2  | 37.4  | 56.2  |
| 71      | 44.4  | 35.6  | 53.4  |

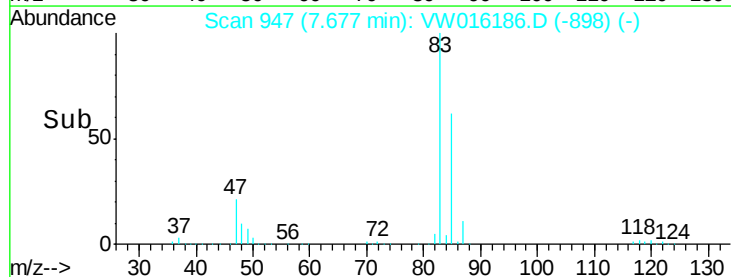
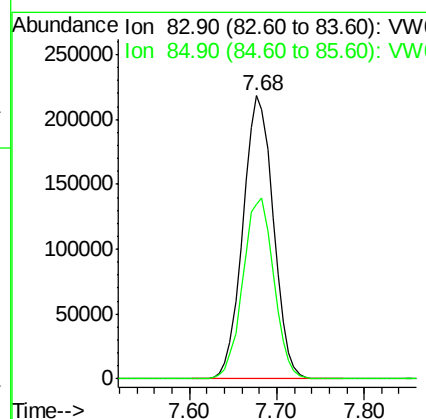
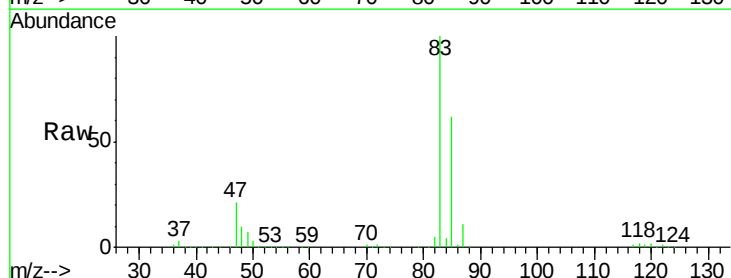
Manual Integrations  
APPROVED

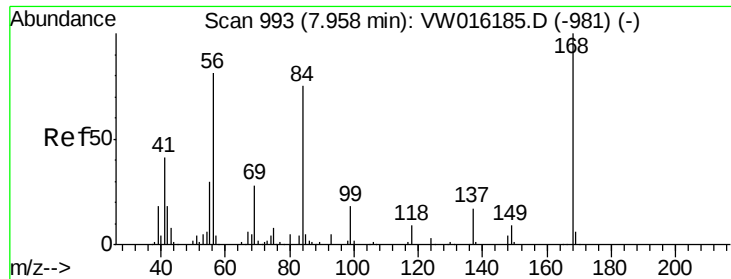
MMDadoda  
8/17/2020 5:46:29 PM



#30  
Chloroform  
Concen: 101.326 ug/l  
RT: 7.68 min Scan# 947  
Delta R.T. -0.00 min  
Lab File: VW016186.D  
Acq: 14 Aug 2020 11:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 61.8  | 50.0  | 75.0  |





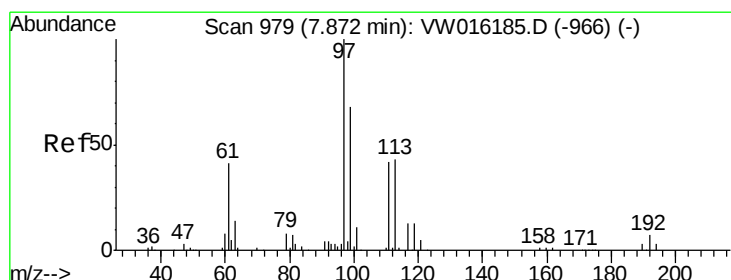
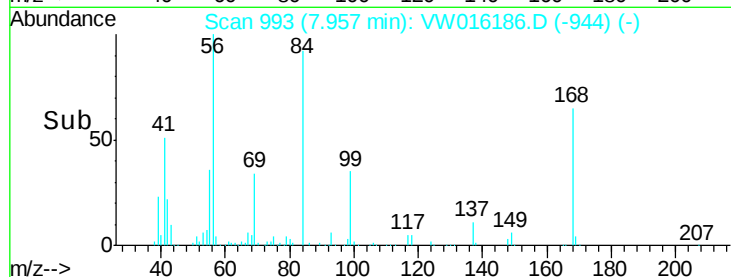
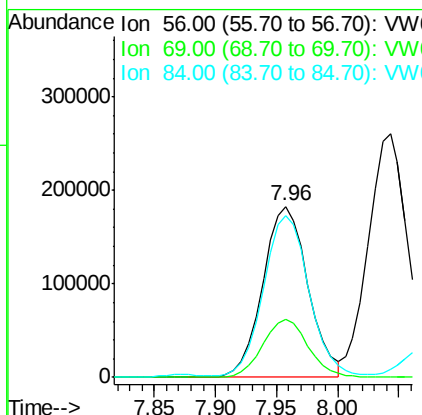
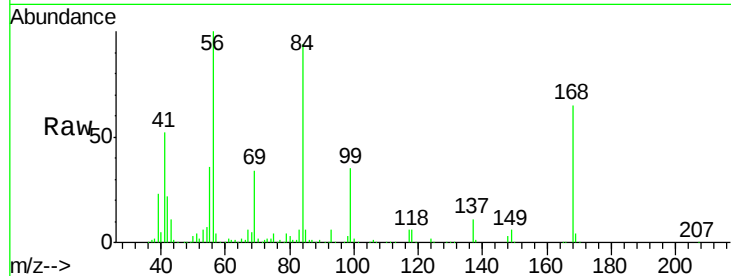
#31  
Cyclohexane  
Concen: 98.224 ug/l  
RT: 7.96 min Scan# 993  
Delta R.T. -0.00 min  
Lab File: VW016186.D  
Acq: 14 Aug 2020 11:25

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC100

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 69      | 33.6  | 27.3  | 40.9  |
| 84      | 92.8  | 73.5  | 110.3 |

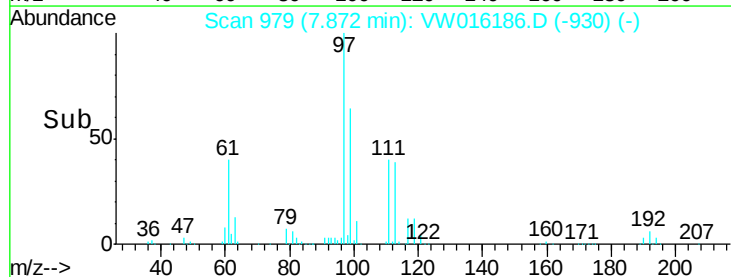
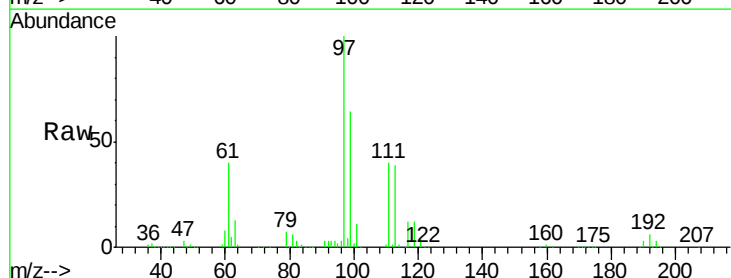
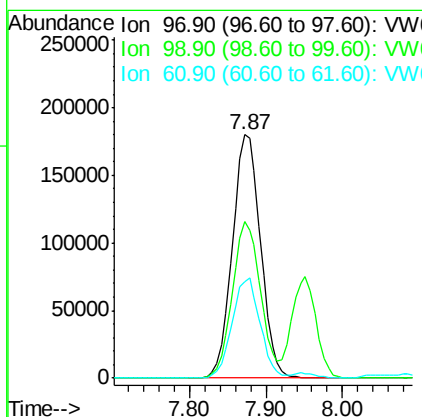
Manual Integrations  
APPROVED

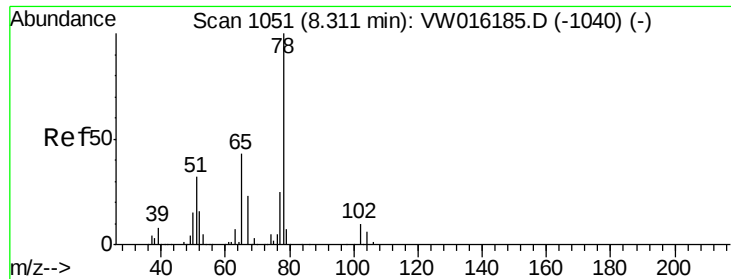
MMDadoda  
8/17/2020 5:46:29 PM



#32  
1,1,1-Trichloroethane  
Concen: 104.940 ug/l  
RT: 7.87 min Scan# 979  
Delta R.T. -0.00 min  
Lab File: VW016186.D  
Acq: 14 Aug 2020 11:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 99      | 64.2  | 51.3  | 76.9  |
| 61      | 40.9  | 33.2  | 49.8  |





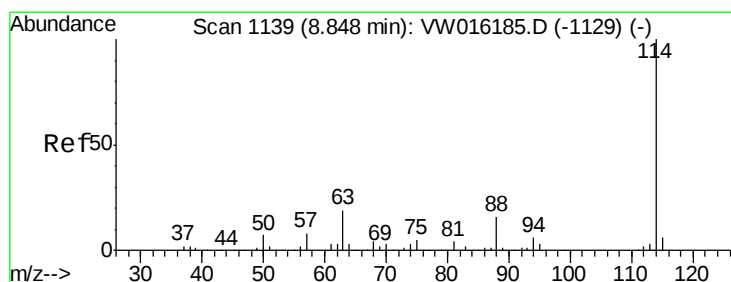
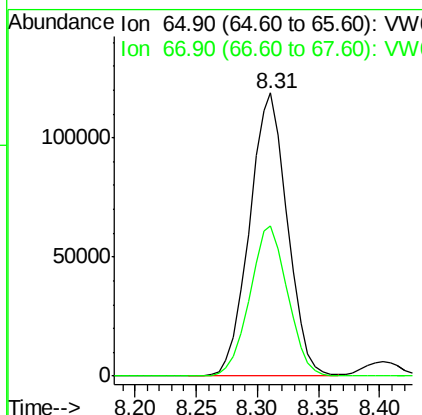
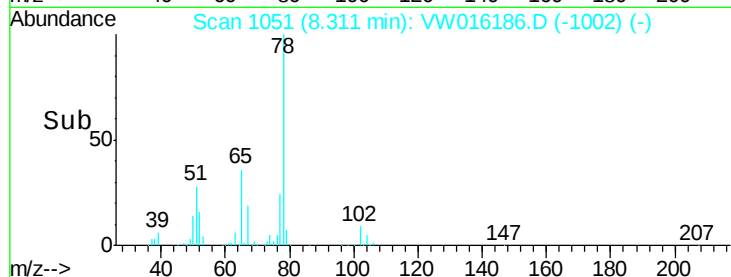
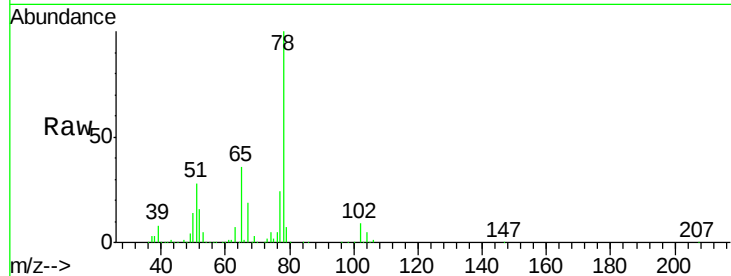
#33  
 1,2-Dichloroethane-d4  
 Concen: 90.953 ug/l  
 RT: 8.31 min Scan# 1051  
 Delta R.T. -0.00 min  
 Lab File: VW016186.D  
 Acq: 14 Aug 2020 11:25

Instrument :  
 MSVOA\_W  
 ClientSampled :  
 VSTDIC100

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 65      | 100   | 254990 |       |       |
| 67      | 53.4  | 0.0    | 105.6 |       |

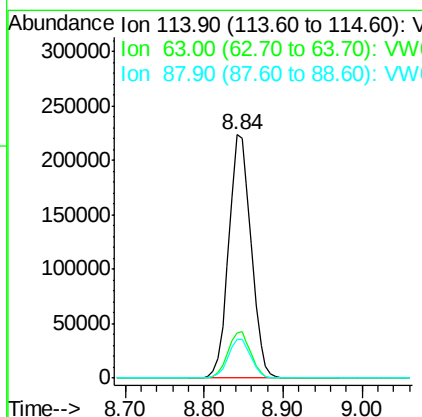
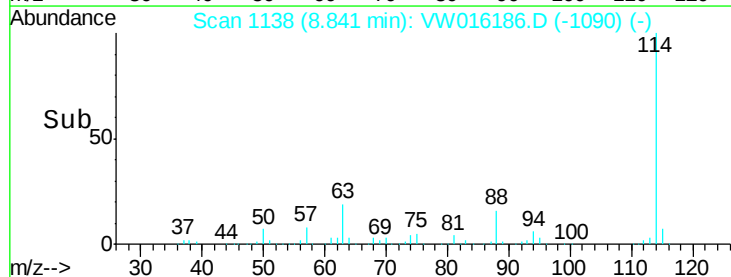
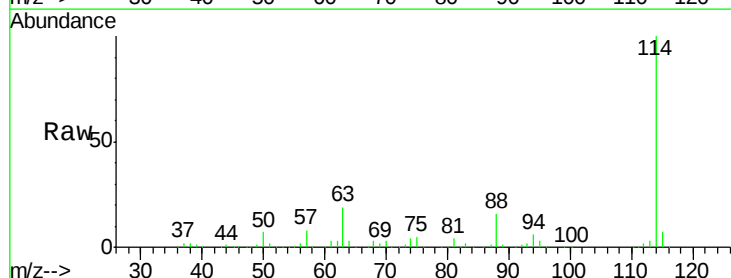
Manual Integrations  
 APPROVED

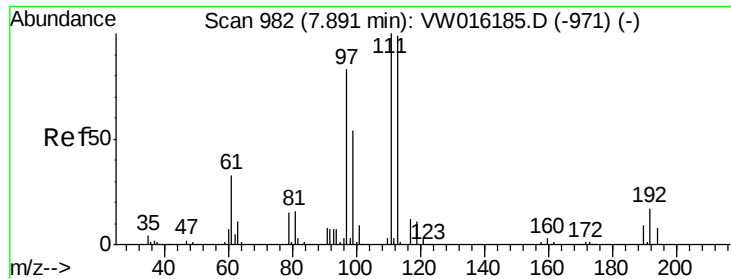
MMDadoda  
 8/17/2020 5:46:29 PM



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.84 min Scan# 1138  
 Delta R.T. -0.01 min  
 Lab File: VW016186.D  
 Acq: 14 Aug 2020 11:25

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 114     | 100   | 439403 |       |       |
| 63      | 18.8  | 0.0    | 38.4  |       |
| 88      | 15.8  | 0.0    | 32.8  |       |





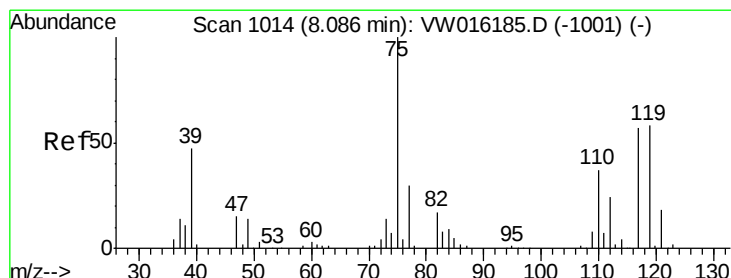
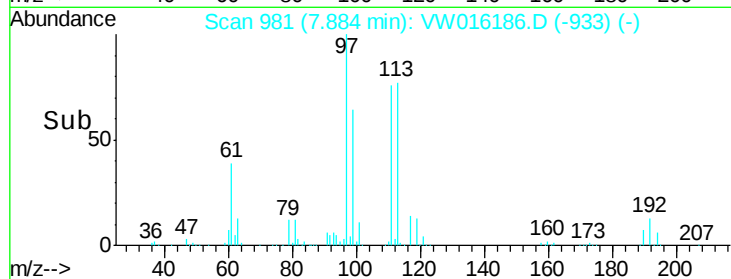
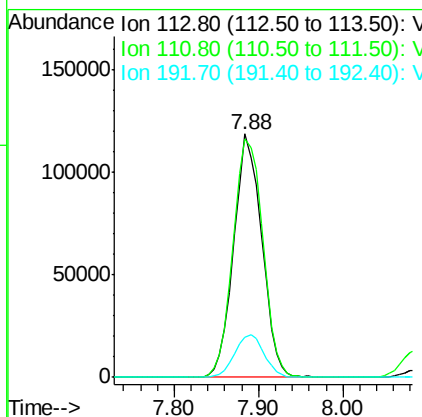
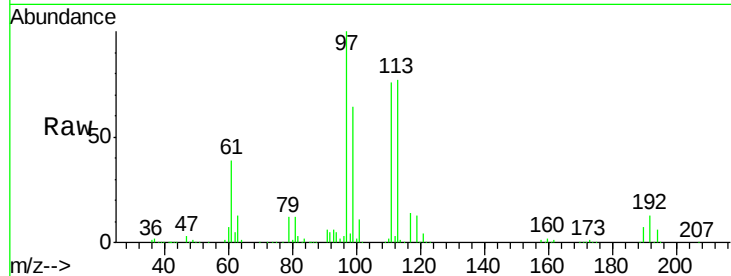
#35  
 Dibromofluoromethane  
 Concen: 100.857 ug/l  
 RT: 7.88 min Scan# 981  
 Delta R.T. -0.01 min  
 Lab File: VW016186.D  
 Acq: 14 Aug 2020 11:25

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDIC100

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 113     | 100   | 265688 |       |       |
| 111     | 104.7 | 83.5   | 125.3 |       |
| 192     | 18.2  | 14.3   | 21.5  |       |

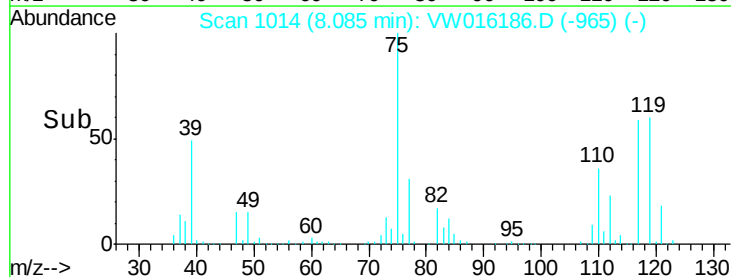
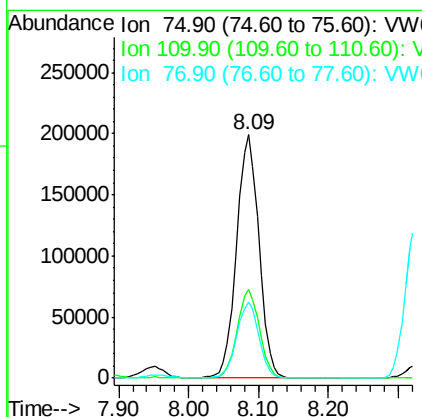
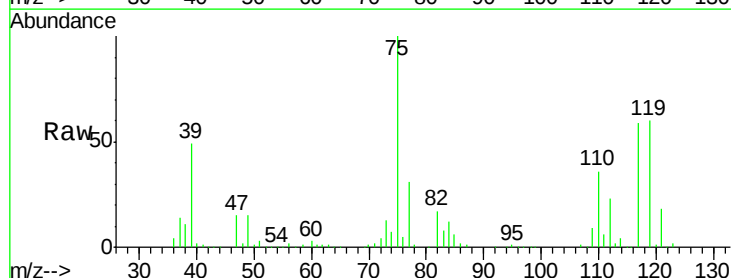
Manual Integrations  
 APPROVED

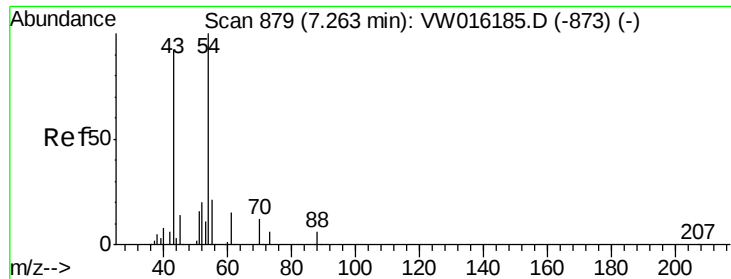
MMDadoda  
 8/17/2020 5:46:29 PM



#36  
 1,1-Dichloropropene  
 Concen: 103.108 ug/l  
 RT: 8.09 min Scan# 1014  
 Delta R.T. -0.00 min  
 Lab File: VW016186.D  
 Acq: 14 Aug 2020 11:25

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 75      | 100   | 442495 |       |       |
| 110     | 36.1  | 18.1   | 54.3  |       |
| 77      | 31.1  | 24.7   | 37.1  |       |





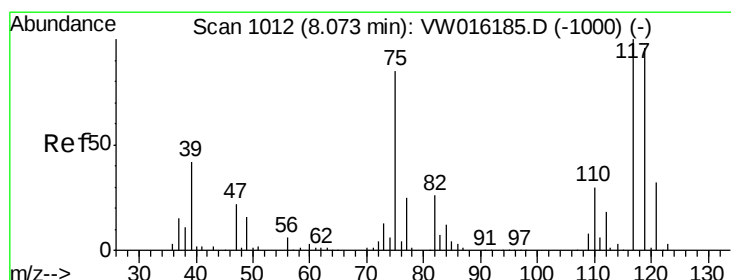
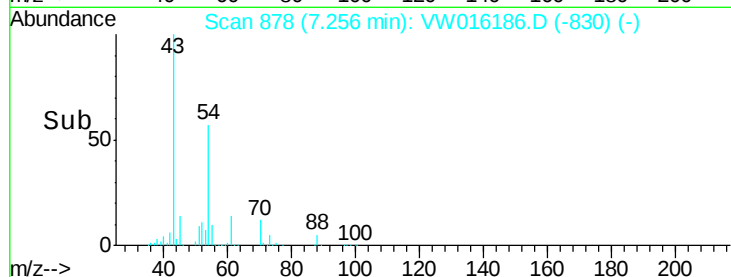
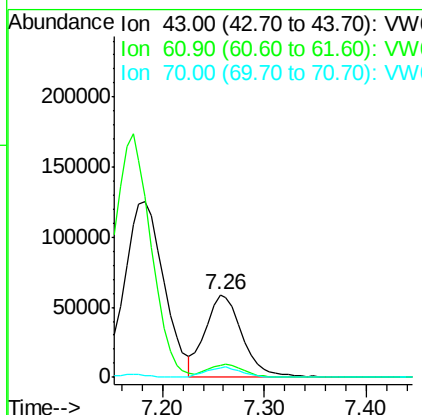
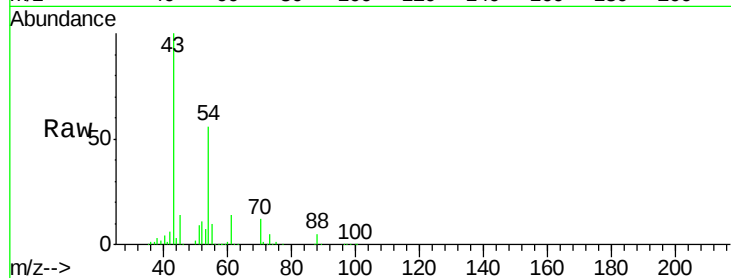
#37  
Ethyl Acetate  
Concen: 88.867 ug/l  
RT: 7.26 min Scan# 878  
Delta R.T. -0.01 min  
Lab File: VW016186.D  
Acq: 14 Aug 2020 11:25

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC100

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 15.0  | 12.6  | 18.8  |
| 70      | 12.3  | 9.8   | 14.8  |

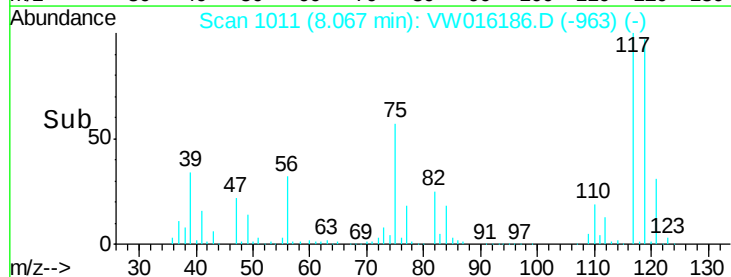
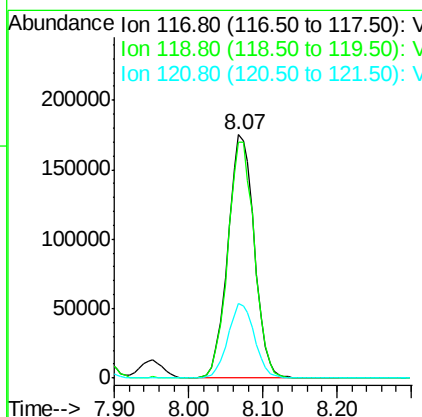
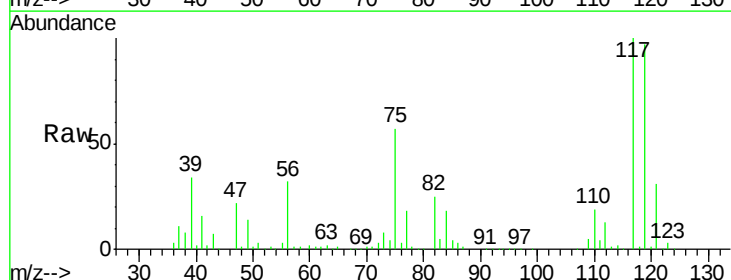
Manual Integrations  
APPROVED

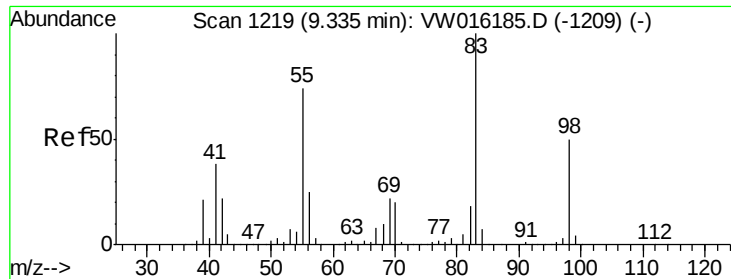
MMDadoda  
8/17/2020 5:46:29 PM



#38  
Carbon Tetrachloride  
Concen: 104.107 ug/l  
RT: 8.07 min Scan# 1011  
Delta R.T. -0.01 min  
Lab File: VW016186.D  
Acq: 14 Aug 2020 11:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 96.9  | 76.6  | 115.0 |
| 121     | 30.6  | 25.4  | 38.0  |





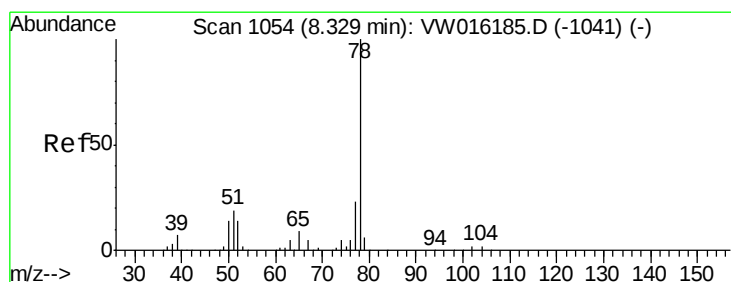
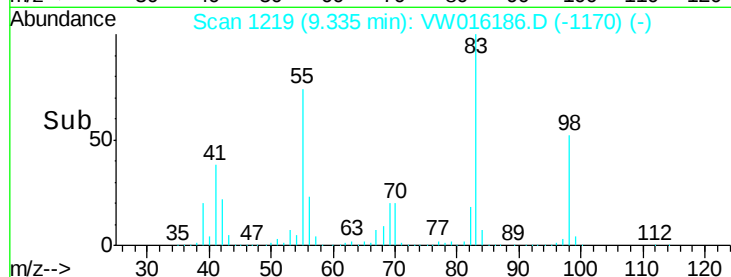
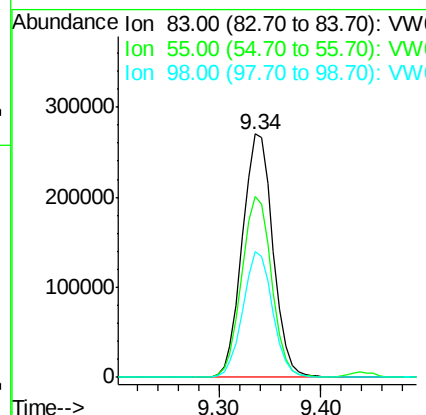
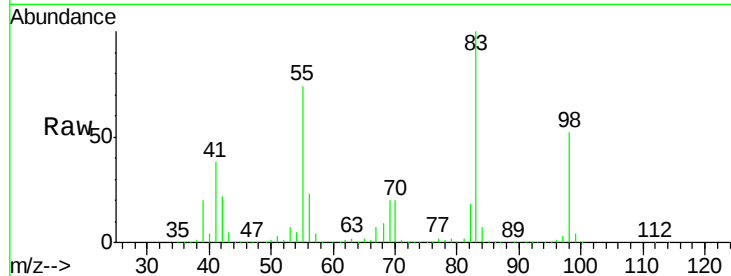
#39  
Methvlcvclohexane  
Concen: 110.785 ug/l  
RT: 9.34 min Scan# 1219  
Delta R.T. -0.00 min  
Lab File: VW016186.D  
Acq: 14 Aug 2020 11:25

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC100

| Tot Ion   | 83   | Resp  | 563430 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 83        | 100  |       |        |
| 55        | 74.2 | 59.2  | 88.8   |
| 98        | 51.6 | 40.2  | 60.2   |

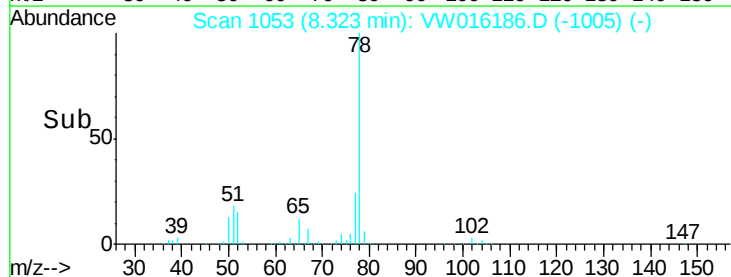
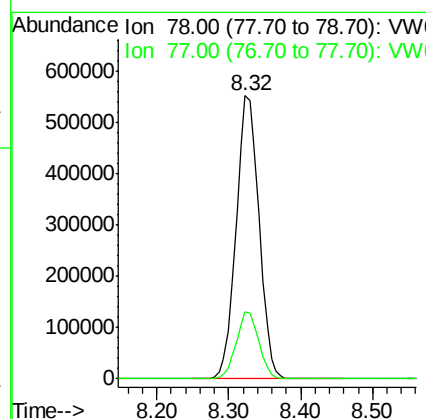
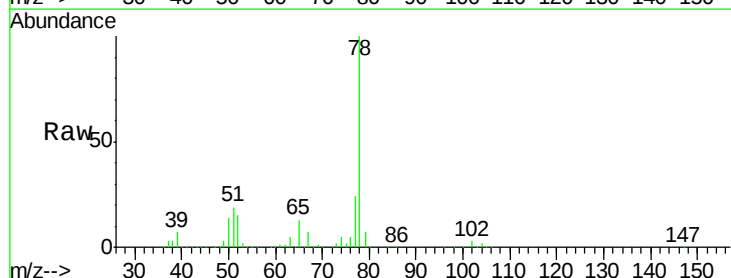
Manual Integrations  
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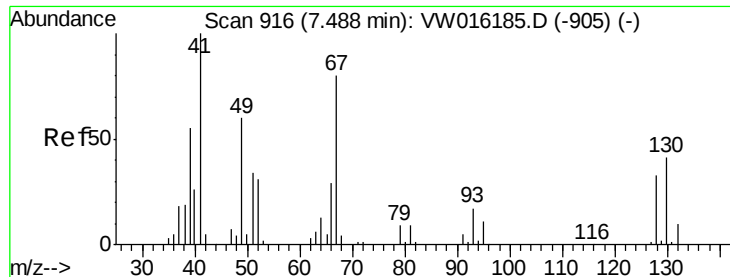
MMDadoda  
8/17/2020 5:46:29 PM



#40  
Benzene  
Concen: 103.344 ug/l  
RT: 8.32 min Scan# 1053  
Delta R.T. -0.01 min  
Lab File: VW016186.D  
Acq: 14 Aug 2020 11:25

| Tgt Ion   | 78   | Resp  | 1220783 |
|-----------|------|-------|---------|
| Ion Ratio | 100  | Lower | Upper   |
| 78        | 100  |       |         |
| 77        | 23.7 | 18.6  | 28.0    |





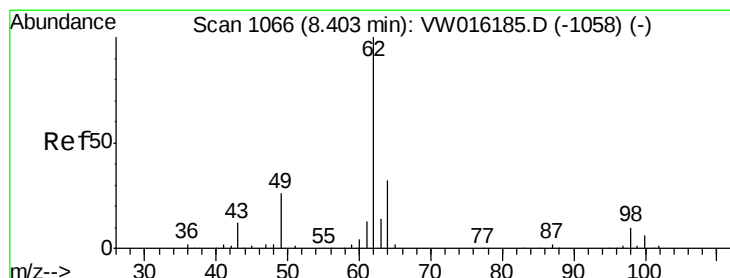
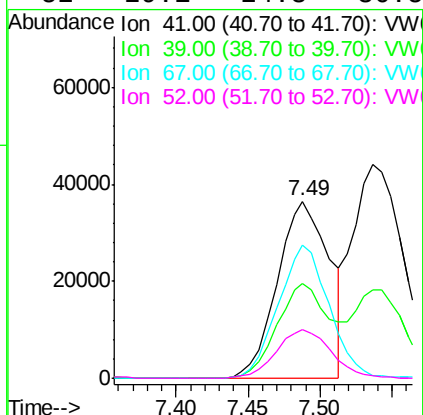
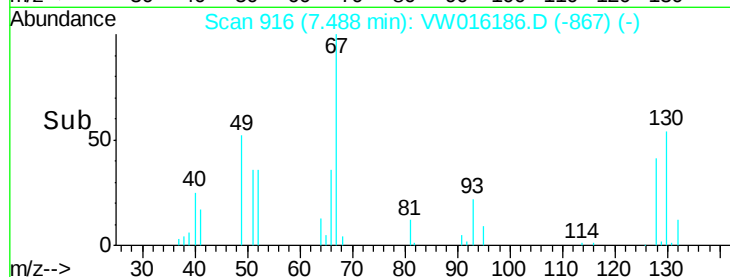
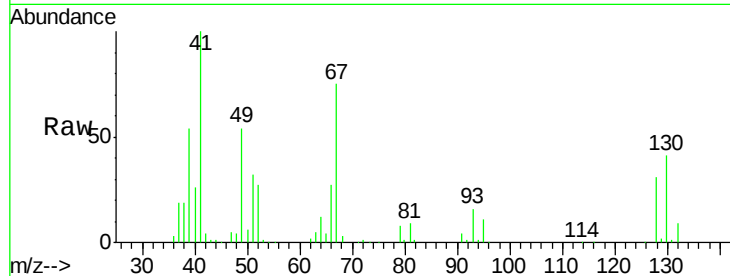
#41  
Methacrylonitrile  
Concen: 97.049 ug/l  
RT: 7.49 min Scan# 916  
Delta R.T. -0.00 min  
Lab File: VW016186.D  
Acq: 14 Aug 2020 11:25

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC100

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 41    | Resp: | 91516 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 39       | 57.4  | 43.4  | 65.2  |
| 67       | 74.1  | 61.5  | 92.3  |
| 52       | 29.1  | 24.3  | 36.5  |

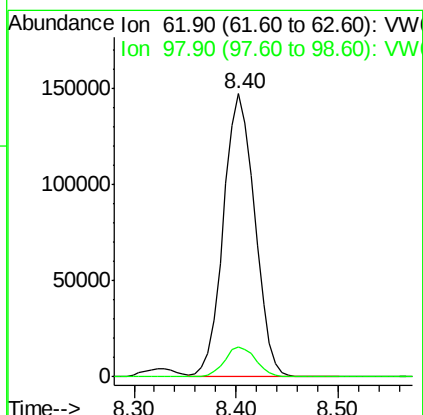
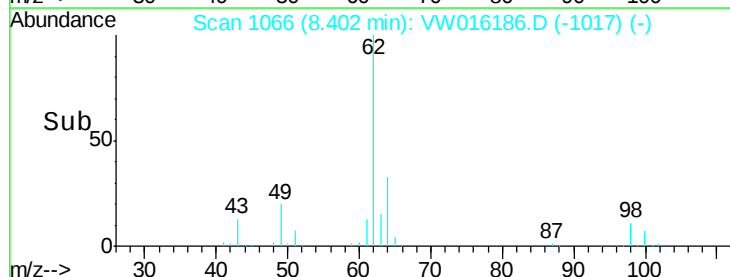
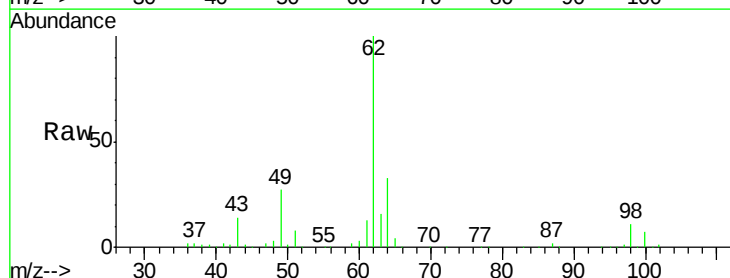
Manual Integrations  
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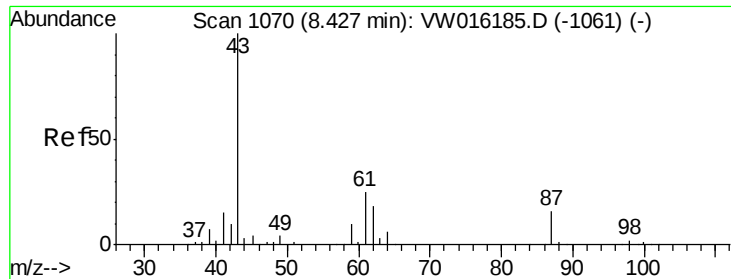
MMDadoda  
8/17/2020 5:46:29 PM



#42  
1,2-Dichloroethane  
Concen: 87.285 ug/l  
RT: 8.40 min Scan# 1066  
Delta R.T. -0.00 min  
Lab File: VW016186.D  
Acq: 14 Aug 2020 11:25

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 62    | Resp: | 313771 |
| Ion      | Ratio | Lower | Upper  |
| 62       | 100   |       |        |
| 98       | 10.6  | 0.0   | 20.8   |





#43

Isopropyl Acetate

Concen: 89.248 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VW016186.D

Acq: 14 Aug 2020 11:25

Instrument :

MSVOA\_W

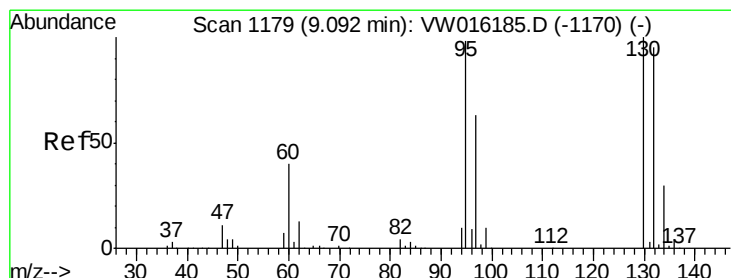
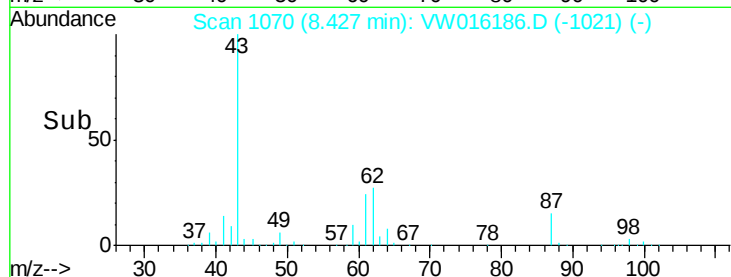
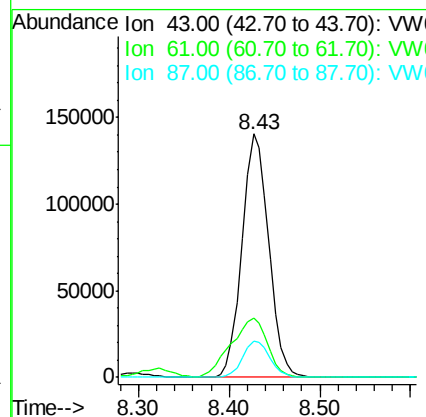
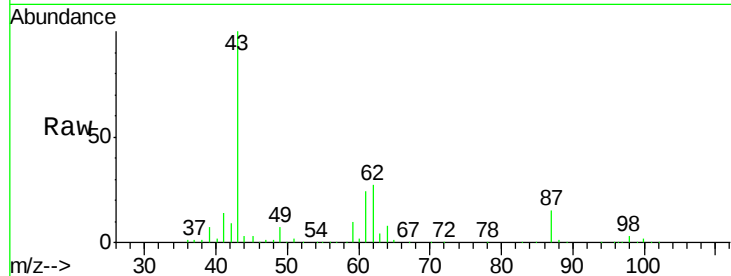
ClientSampleId :

VSTDIC100

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 43    | Resp: | 286523 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 61       | 33.5  | 26.9  | 40.3   |
| 87       | 15.2  | 12.0  | 18.0   |

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8/17/2020 5:46:29 PM



#44

Trichloroethene

Concen: 107.089 ug/l

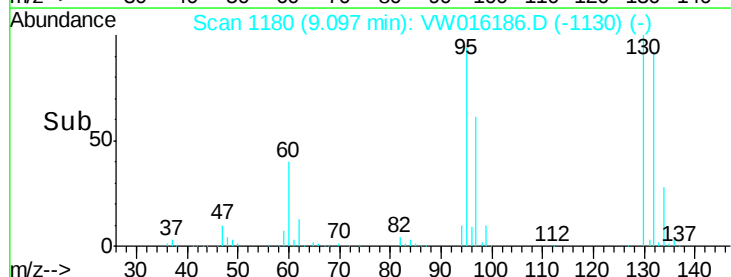
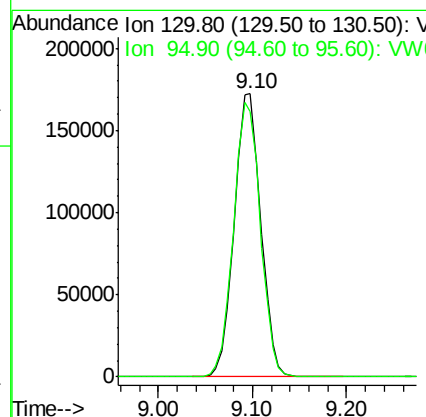
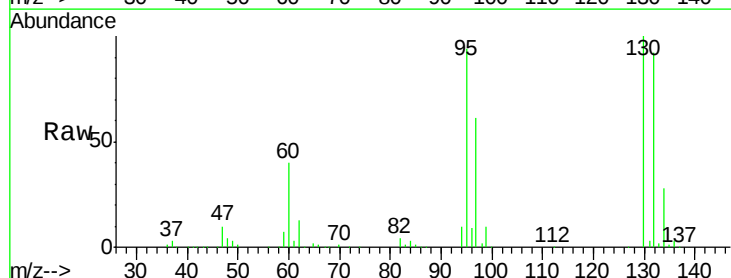
RT: 9.10 min Scan# 1180

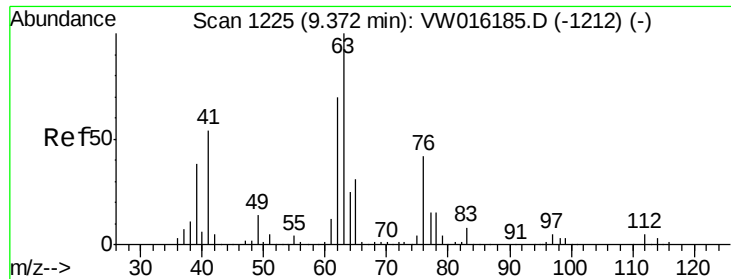
Delta R.T. 0.01 min

Lab File: VW016186.D

Acq: 14 Aug 2020 11:25

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 130   | Resp: | 337155 |
| Ion      | Ratio | Lower | Upper  |
| 130      | 100   |       |        |
| 95       | 93.7  | 0.0   | 196.4  |





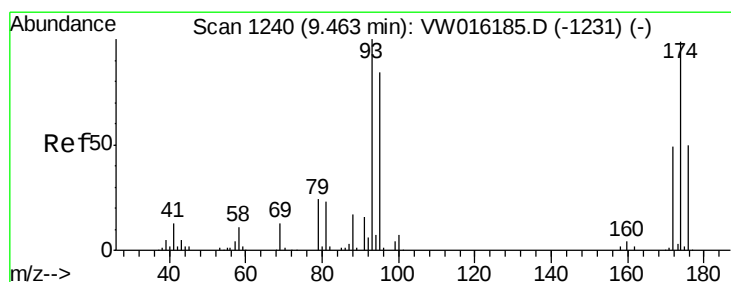
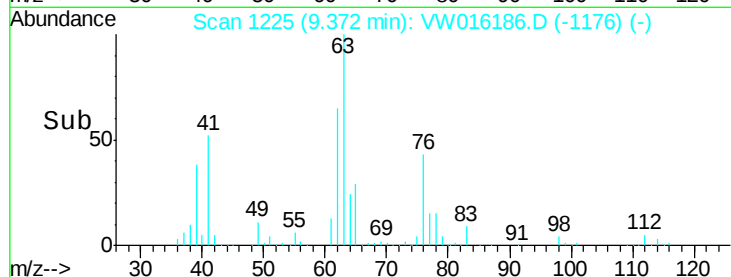
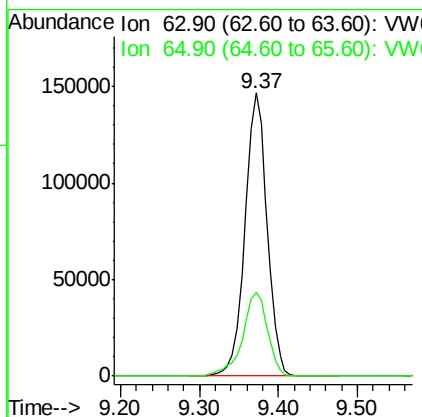
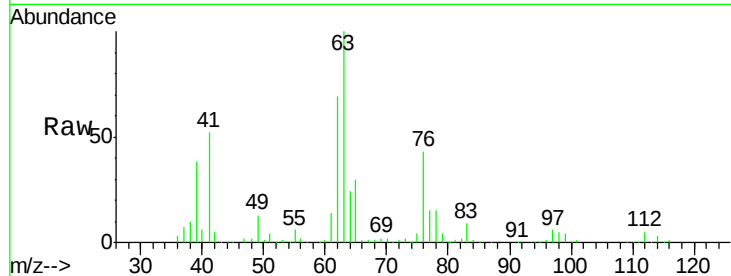
#45  
 1,2-Dichloropropane  
 Concen: 98.785 ug/l  
 RT: 9.37 min Scan# 1225  
 Delta R.T. -0.00 min  
 Lab File: VW016186.D  
 Acq: 14 Aug 2020 11:25

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDIC100

Tot Ion: 63 Resp: 285474  
 Ion Ratio Lower Upper  
 63 100  
 65 29.7 25.0 37.6

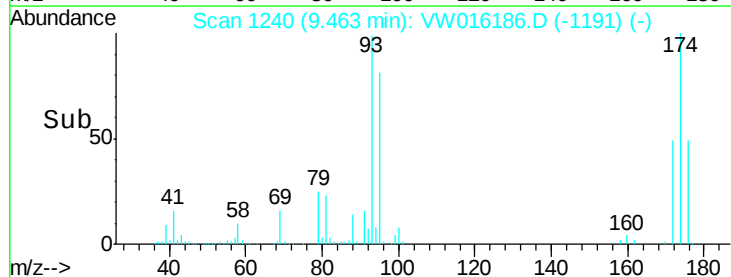
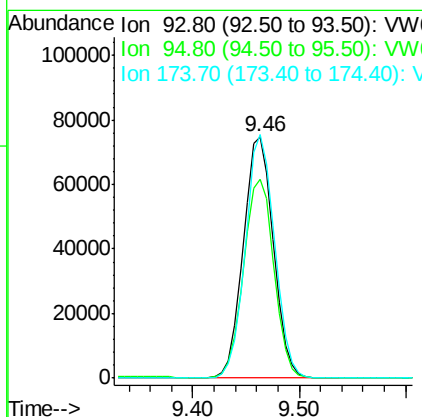
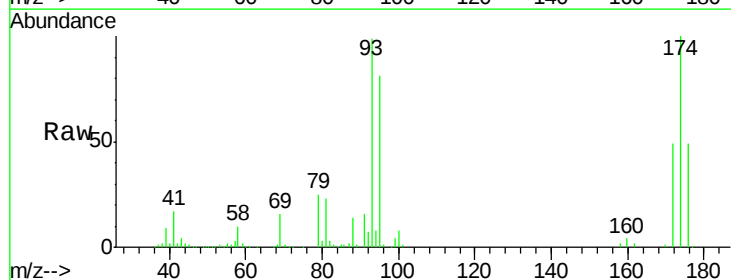
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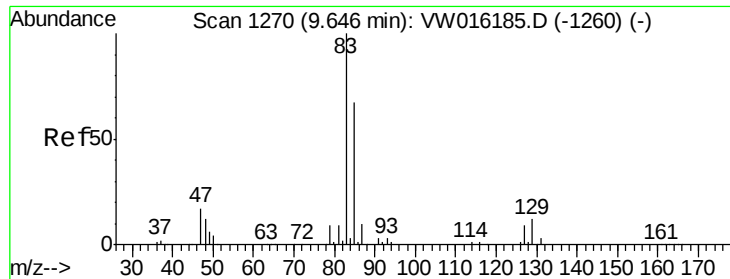
MMDadoda  
 8/17/2020 5:46:29 PM



#46  
 Dibromomethane  
 Concen: 99.426 ug/l  
 RT: 9.46 min Scan# 1240  
 Delta R.T. -0.00 min  
 Lab File: VW016186.D  
 Acq: 14 Aug 2020 11:25

Tgt Ion: 93 Resp: 148835  
 Ion Ratio Lower Upper  
 93 100  
 95 83.0 65.9 98.9  
 174 98.1 77.0 115.6





#47

Bromodichloromethane

Concen: 102.948 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW016186.D

Acq: 14 Aug 2020 11:25

Instrument :

MSVOA\_W

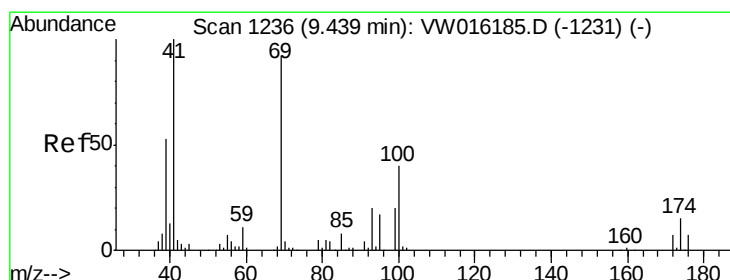
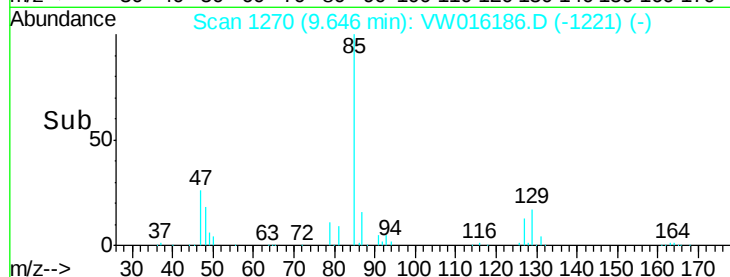
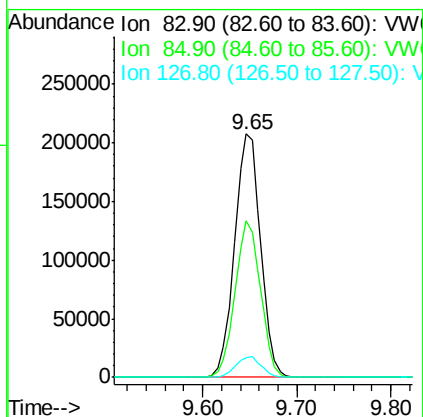
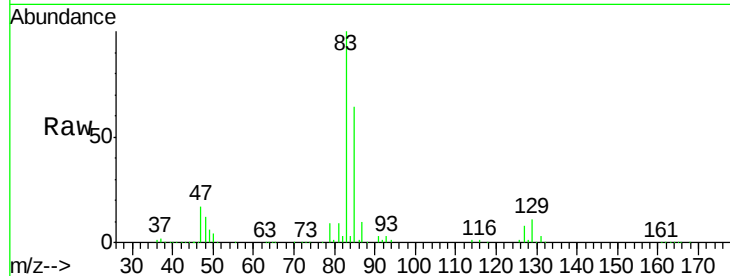
ClientSampleId :

VSTDIC100

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 83    | Resp: | 396252 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 85        | 64.4  | 53.3  | 79.9   |
| 127       | 8.1   | 7.4   | 11.2   |

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8/17/2020 5:46:29 PM



#48

Methyl methacrylate

Concen: 95.217 ug/l

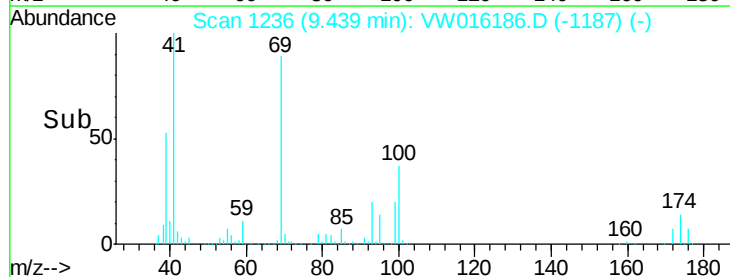
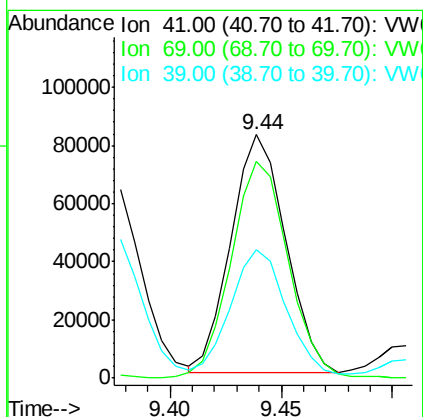
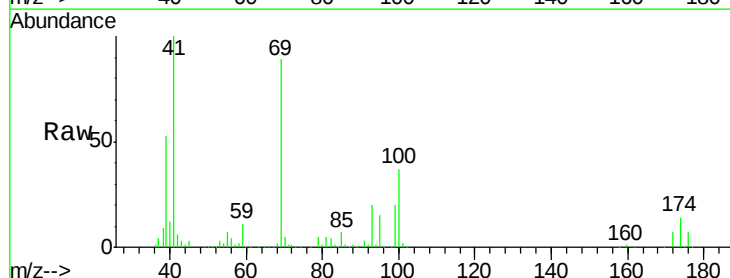
RT: 9.44 min Scan# 1236

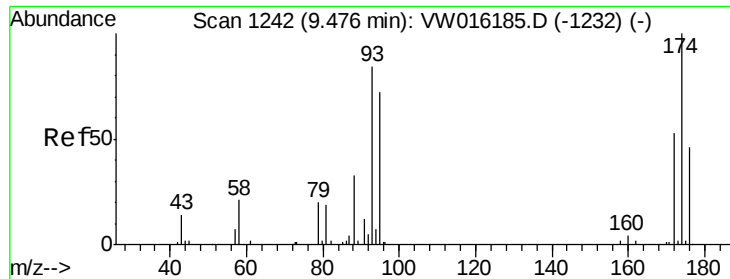
Delta R.T. -0.00 min

Lab File: VW016186.D

Acq: 14 Aug 2020 11:25

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 41    | Resp: | 139690 |
| Ion Ratio | Lower | Upper |        |
| 41        | 100   |       |        |
| 69        | 95.6  | 77.4  | 116.0  |
| 39        | 52.7  | 42.2  | 63.2   |





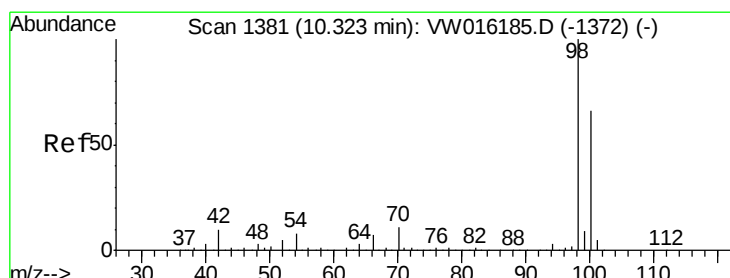
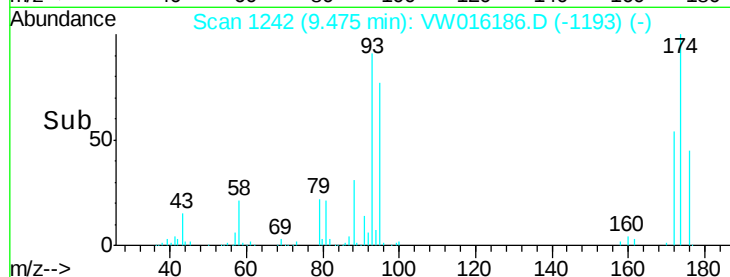
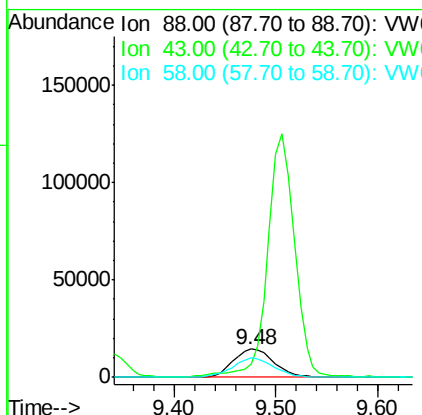
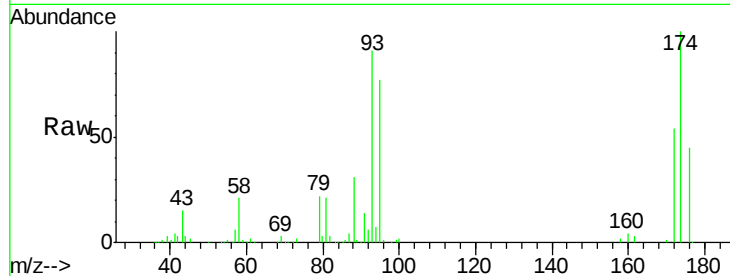
#49  
 1,4-Dioxane  
 Concen: 2132.828 ug/l  
 RT: 9.48 min Scan# 1242  
 Delta R.T. -0.00 min  
 Lab File: VW016186.D  
 Acq: 14 Aug 2020 11:25

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDIC100

| Tot Ion | 88    | Resp  | 40015 |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 88      | 100   |       |       |
| 43      | 0.0   | 0.0   | 0.0   |
| 58      | 70.6  | 56.6  | 84.8  |

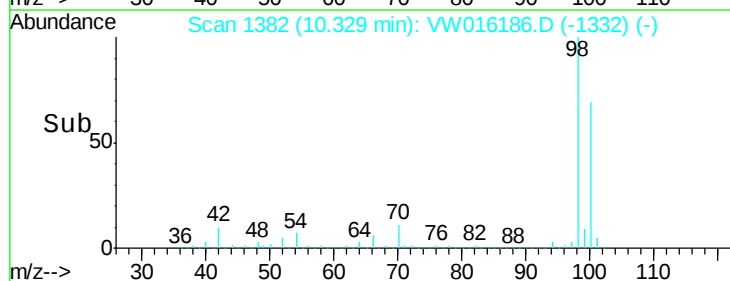
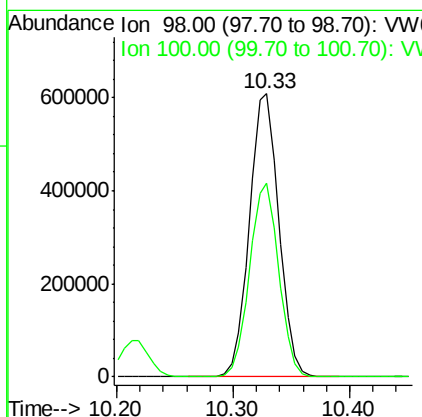
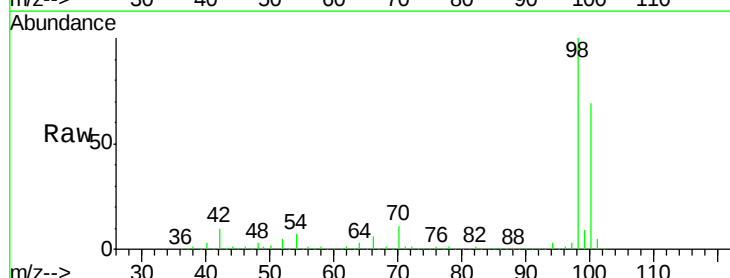
Manual Integrations  
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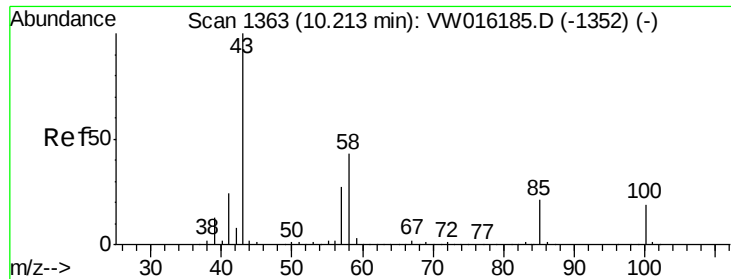
MMDadoda  
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#50  
 Toluene-d8  
 Concen: 106.009 ug/l  
 RT: 10.33 min Scan# 1382  
 Delta R.T. 0.01 min  
 Lab File: VW016186.D  
 Acq: 14 Aug 2020 11:25

| Tgt Ion | 98    | Resp  | 1074612 |
|---------|-------|-------|---------|
| Ion     | Ratio | Lower | Upper   |
| 98      | 100   |       |         |
| 100     | 67.8  | 53.5  | 80.3    |





#51

4-Methyl-2-Pentanone

Concen: 456.411 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW016186.D

Acq: 14 Aug 2020 11:25

Instrument :

MSVOA\_W

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 717898

Ion Ratio Lower Upper

43 100

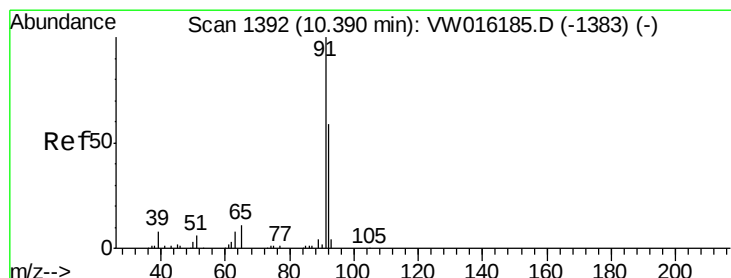
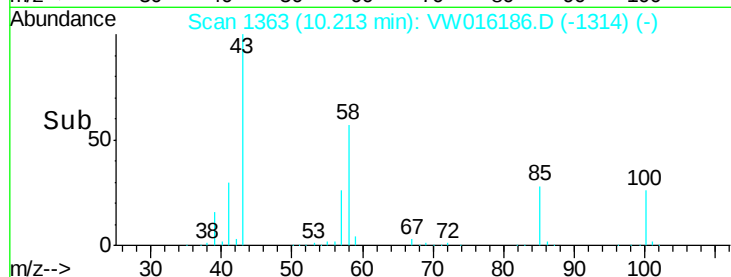
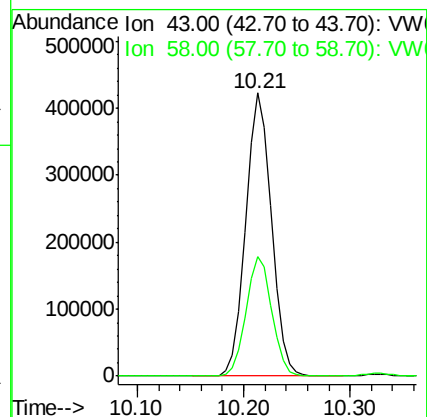
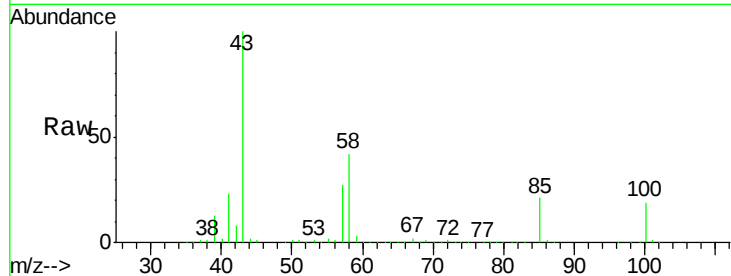
58 42.2 33.7 50.5

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#52

Toluene

Concen: 103.863 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW016186.D

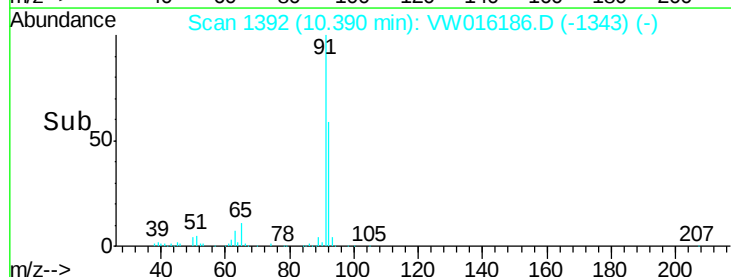
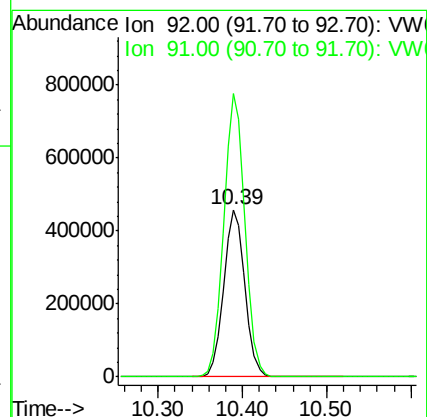
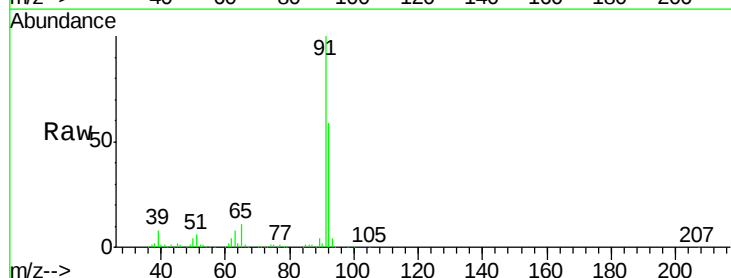
Acq: 14 Aug 2020 11:25

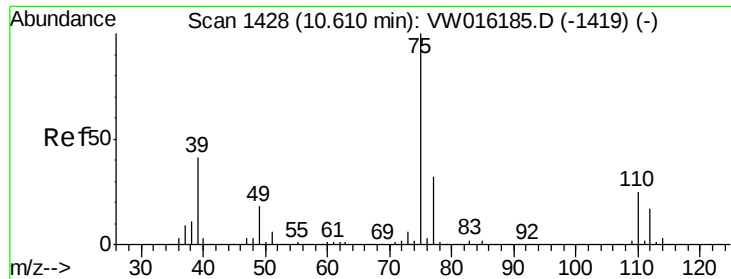
Tgt Ion: 92 Resp: 790943

Ion Ratio Lower Upper

92 100

91 169.1 133.3 199.9





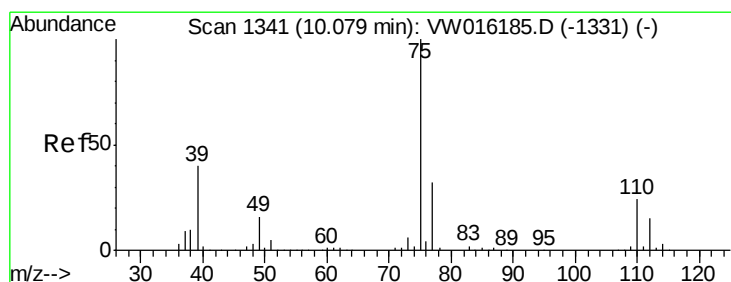
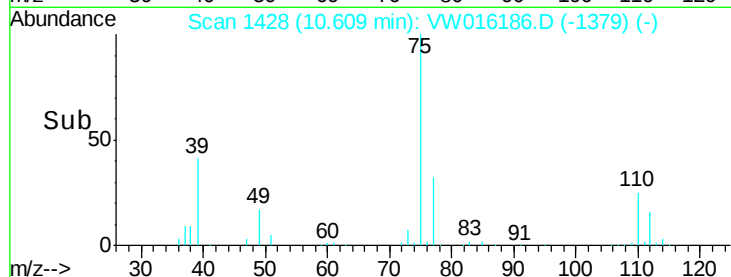
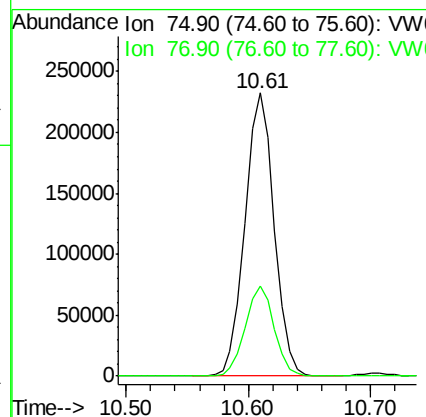
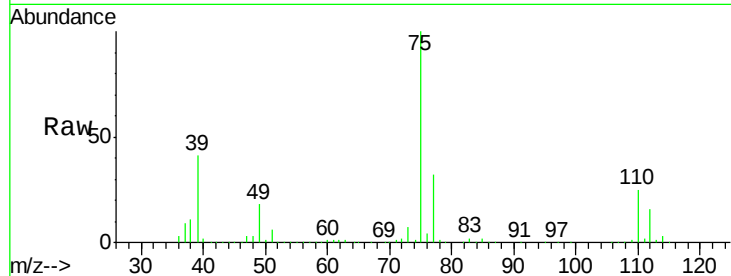
#53  
t-1,3-Dichloropropene  
Concen: 104.130 ug/l  
RT: 10.61 min Scan# 1428  
Delta R.T. -0.00 min  
Lab File: VW016186.D  
Acq: 14 Aug 2020 11:25

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC100

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 31.6  | 25.6  | 38.4  |

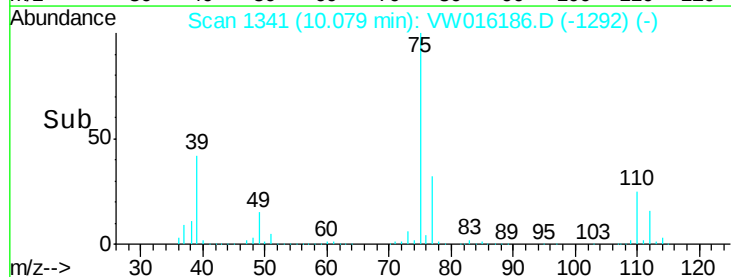
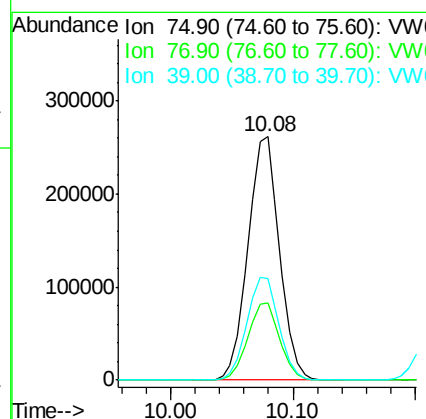
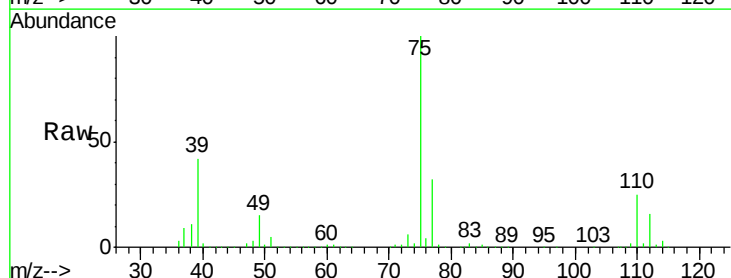
Manual Integrations  
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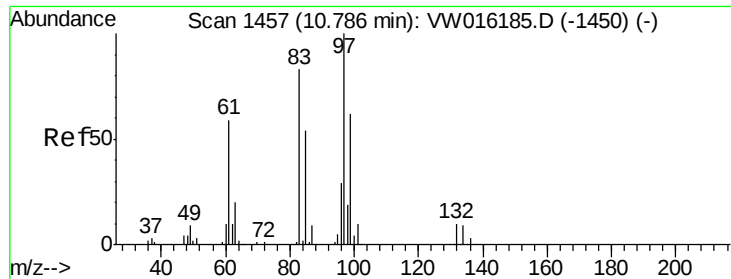
MMDadoda  
8/17/2020 5:46:29 PM



#54  
cis-1,3-Dichloropropene  
Concen: 105.468 ug/l  
RT: 10.08 min Scan# 1341  
Delta R.T. -0.00 min  
Lab File: VW016186.D  
Acq: 14 Aug 2020 11:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 31.9  | 25.3  | 37.9  |
| 39      | 41.6  | 32.3  | 48.5  |





#55

1,1,2-Trichloroethane

Concen: 102.039 ug/l

RT: 10.79 min Scan# 1458

Delta R.T. 0.01 min

Lab File: VW016186.D

Acq: 14 Aug 2020 11:25

Instrument :

MSVOA\_W

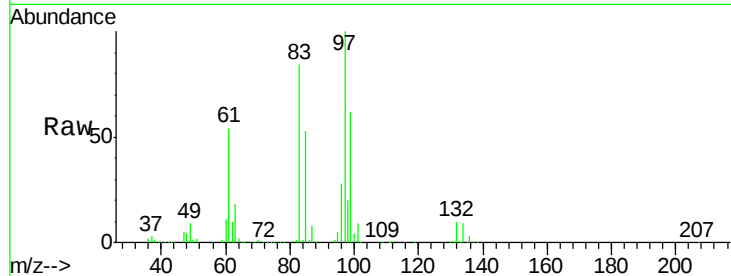
ClientSampleId :

VSTDIC100

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 97    | Resp: | 211969 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 83       | 83.6  | 66.6  | 100.0  |
| 85       | 53.4  | 43.0  | 64.4   |
| 99       | 61.5  | 49.4  | 74.2   |

Manual Integrations  
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MMDadoda  
8/17/2020 5:46:29 PM

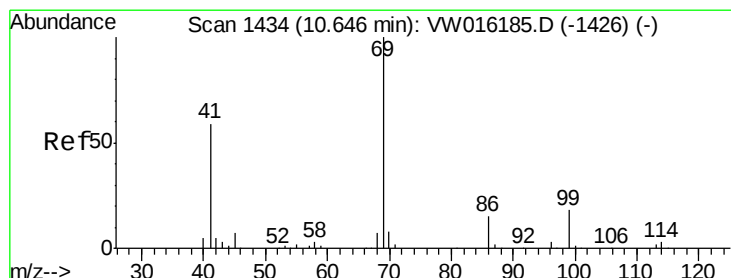
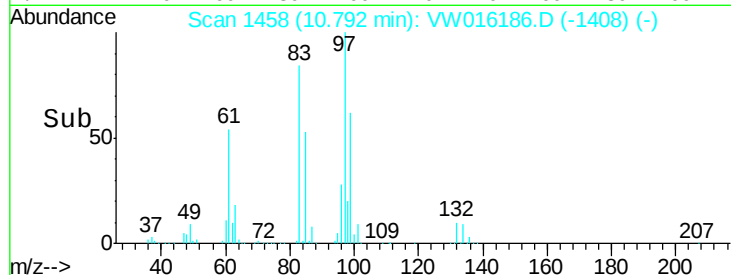
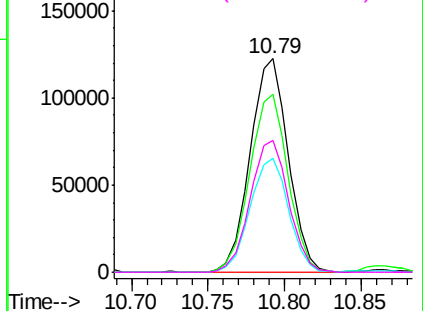


Abundance Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56

Ethyl methacrylate

Concen: 105.706 ug/l

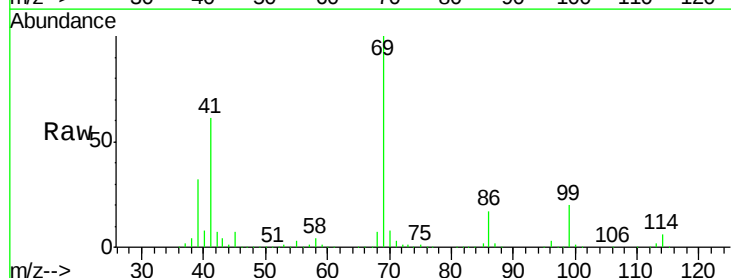
RT: 10.65 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW016186.D

Acq: 14 Aug 2020 11:25

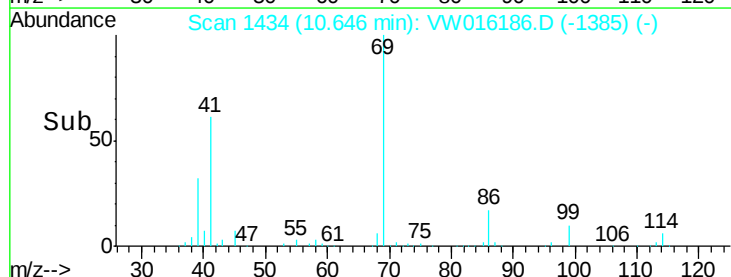
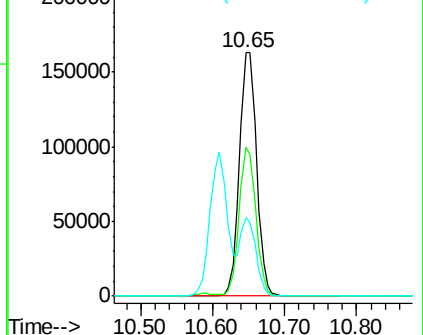
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 69    | Resp: | 269916 |
| Ion      | Ratio | Lower | Upper  |
| 69       | 100   |       |        |
| 41       | 59.5  | 47.6  | 71.4   |
| 39       | 27.8  | 24.6  | 36.8   |

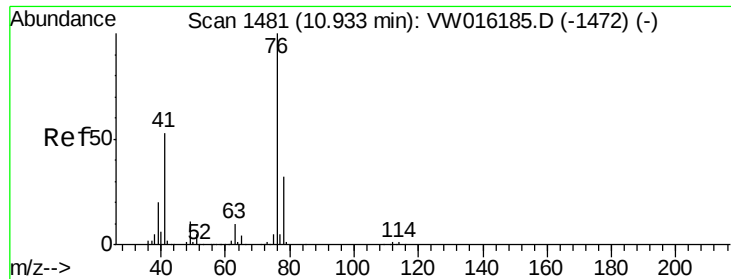


Abundance Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW





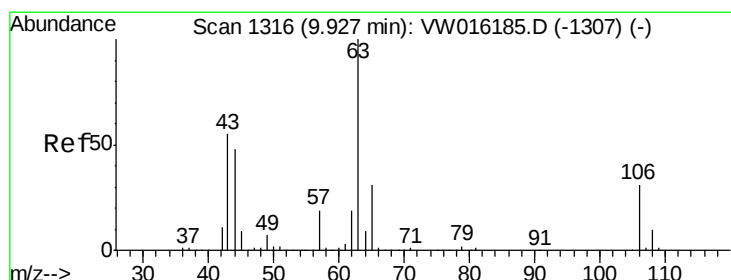
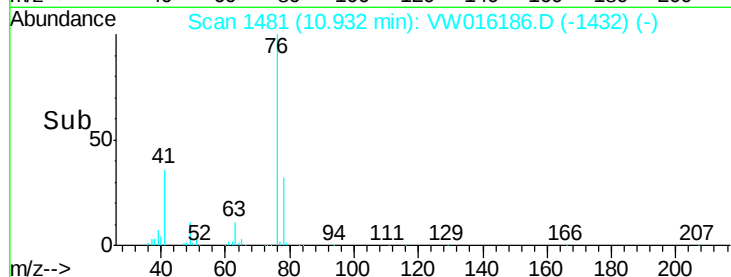
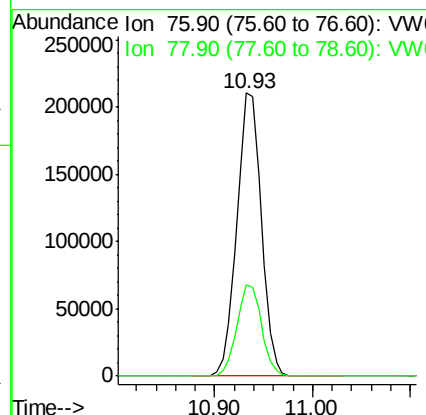
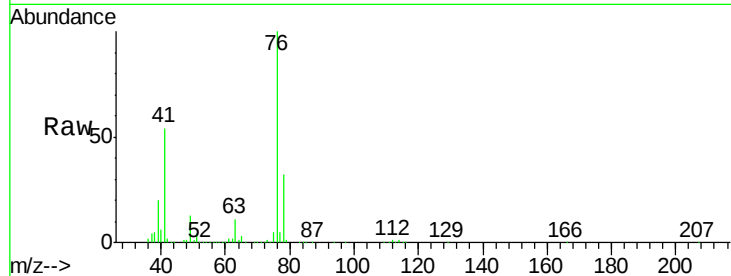
#57  
 1,3-Dichloropropane  
 Concen: 99.744 ug/l  
 RT: 10.93 min Scan# 1481  
 Delta R.T. -0.00 min  
 Lab File: VW016186.D  
 Acq: 14 Aug 2020 11:25

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDIC100

Tot Ion: 76 Resp: 366327  
 Ion Ratio Lower Upper  
 76 100  
 78 32.4 25.8 38.8

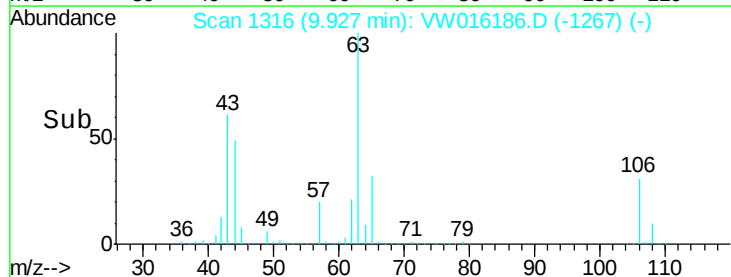
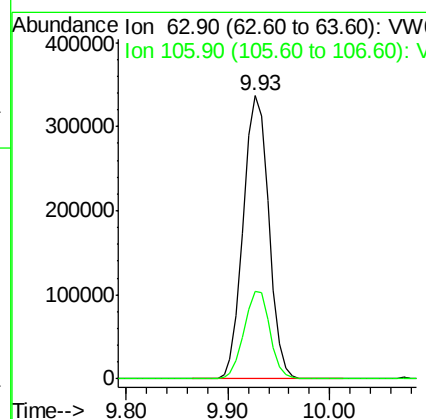
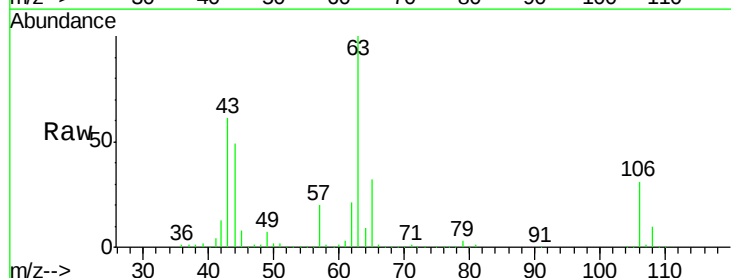
Manual Integrations  
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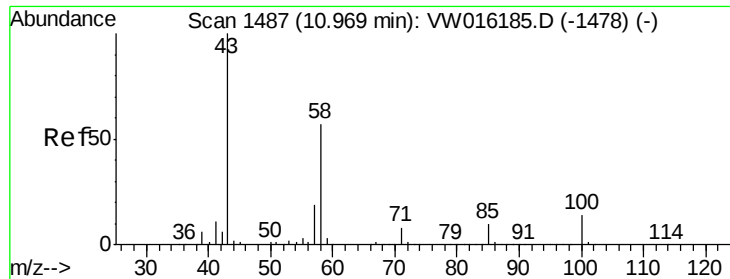
MMDadoda  
 8/17/2020 5:46:29 PM



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 473.173 ug/l  
 RT: 9.93 min Scan# 1316  
 Delta R.T. -0.00 min  
 Lab File: VW016186.D  
 Acq: 14 Aug 2020 11:25

Tgt Ion: 63 Resp: 583606  
 Ion Ratio Lower Upper  
 63 100  
 106 31.3 24.9 37.3





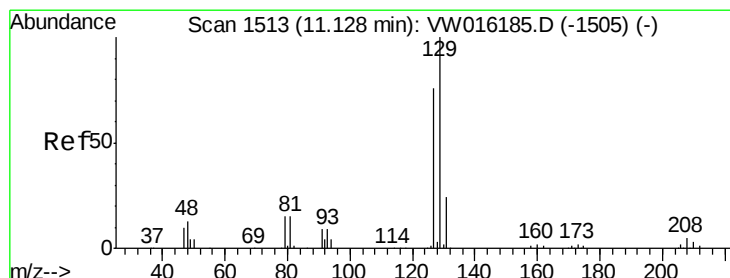
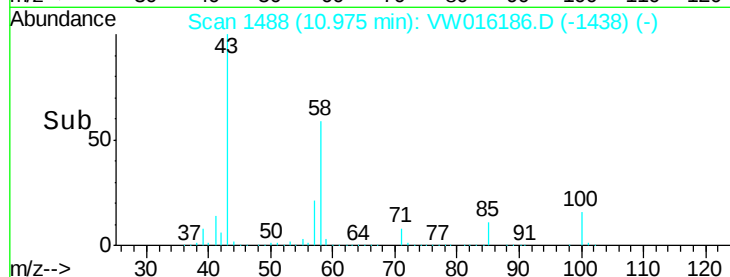
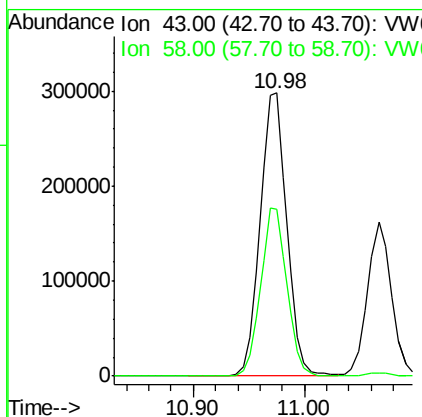
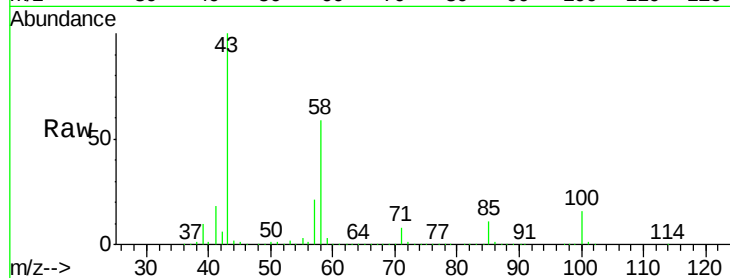
#59  
2-Hexanone  
Concen: 475.218 ug/l  
RT: 10.98 min Scan# 1488  
Delta R.T. 0.01 min  
Lab File: VW016186.D  
Acq: 14 Aug 2020 11:25

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC100

Tot Ion: 43 Resp: 500120  
Ion Ratio Lower Upper  
43 100  
58 58.4 28.8 86.5

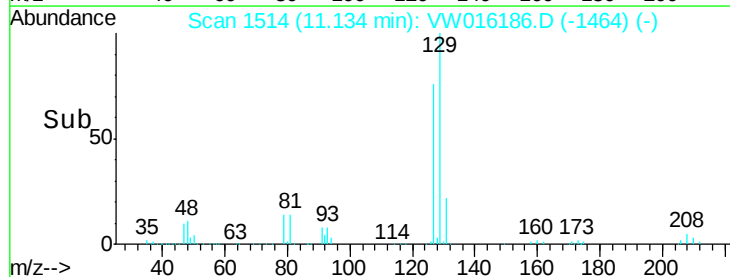
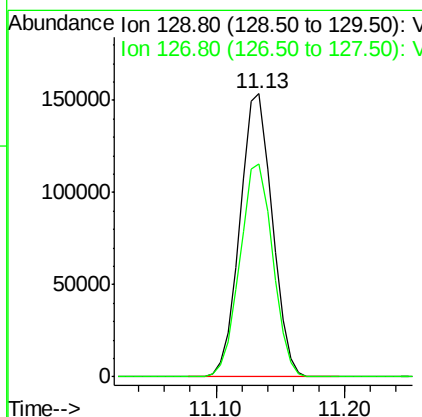
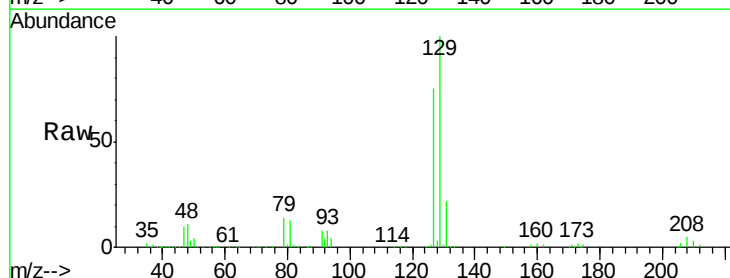
Manual Integrations  
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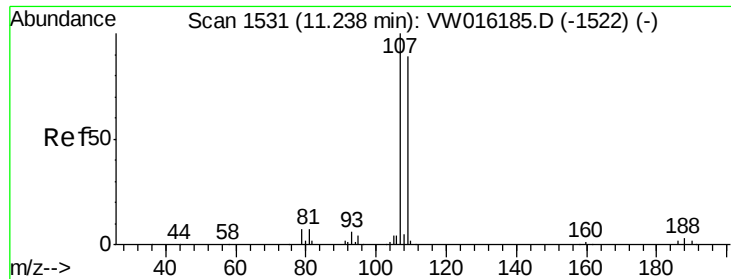
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#60  
Dibromochloromethane  
Concen: 110.404 ug/l  
RT: 11.13 min Scan# 1514  
Delta R.T. 0.01 min  
Lab File: VW016186.D  
Acq: 14 Aug 2020 11:25

Tgt Ion: 129 Resp: 267121  
Ion Ratio Lower Upper  
129 100  
127 76.5 38.3 114.8





#61

1,2-Dibromoethane

Concen: 101.271 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. -0.00 min

Lab File: VW016186.D

Acq: 14 Aug 2020 11:25

Instrument :

MSVOA\_W

ClientSampleId :

VSTDIC100

Tot Ion: 107 Resp: 203263

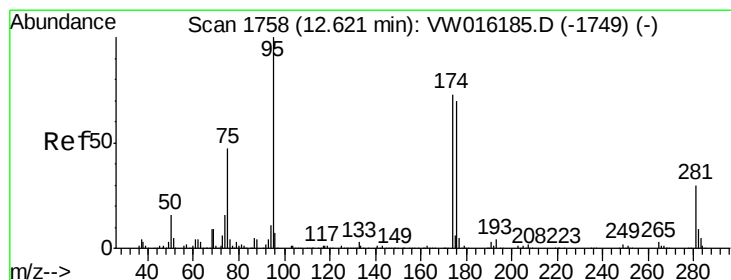
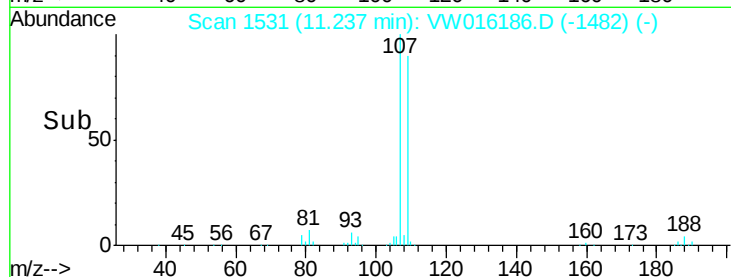
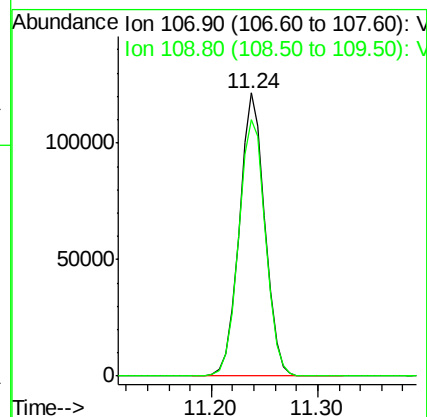
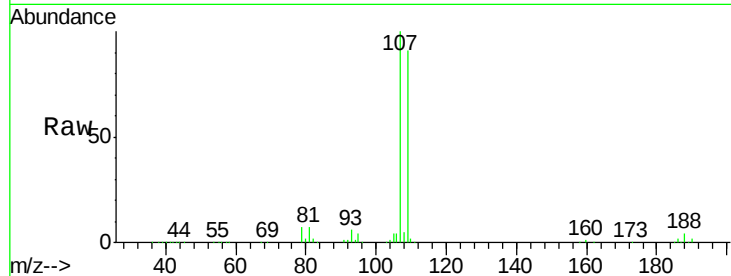
Ion Ratio Lower Upper

107 100

109 95.6 74.7 112.1

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#62

4-Bromofluorobenzene

Concen: 101.689 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW016186.D

Acq: 14 Aug 2020 11:25

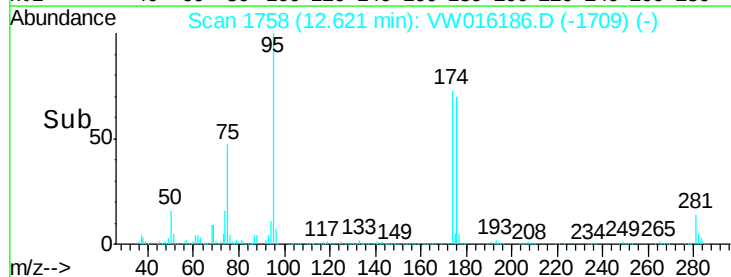
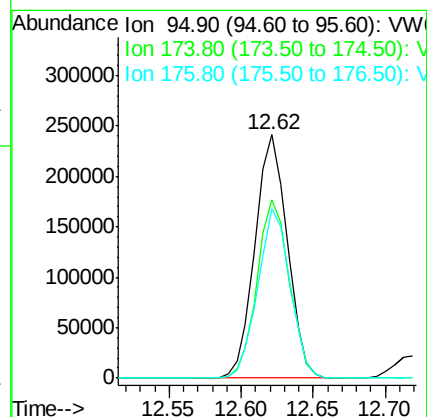
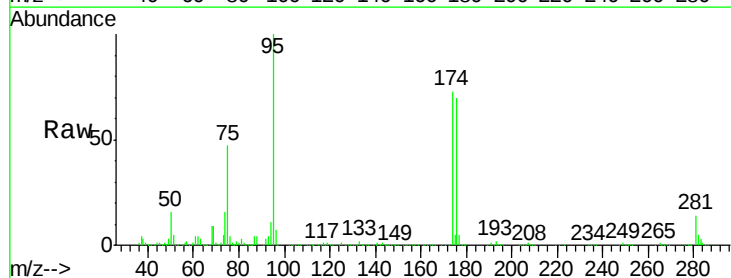
Tgt Ion: 95 Resp: 373789

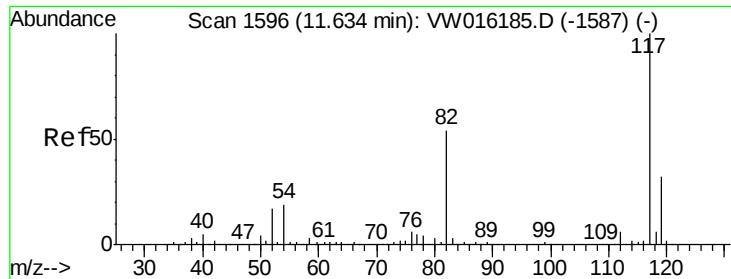
Ion Ratio Lower Upper

95 100

174 73.2 0.0 145.6

176 69.4 0.0 137.8





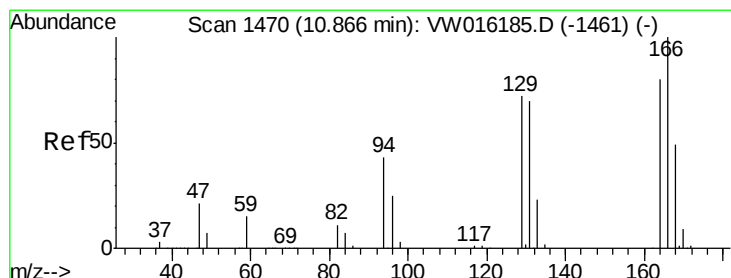
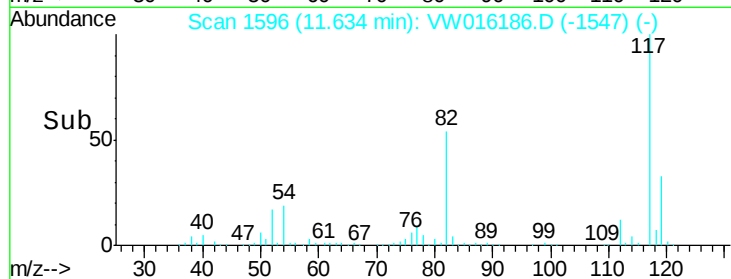
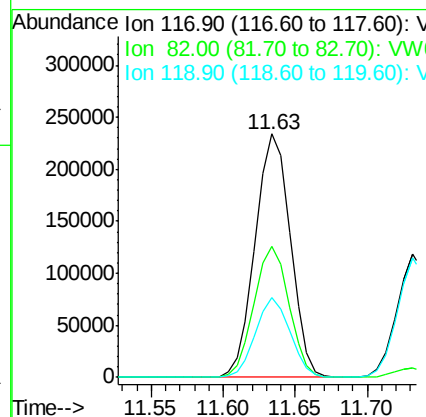
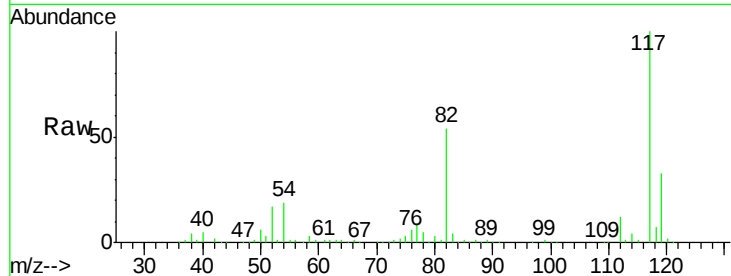
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.63 min Scan# 1596  
Delta R.T. -0.00 min  
Lab File: VW016186.D  
Acq: 14 Aug 2020 11:25

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC100

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 117     | 100   | 395361 |       |       |
| 82      | 54.1  | 43.6   | 65.4  |       |
| 119     | 32.6  | 25.4   | 38.0  |       |

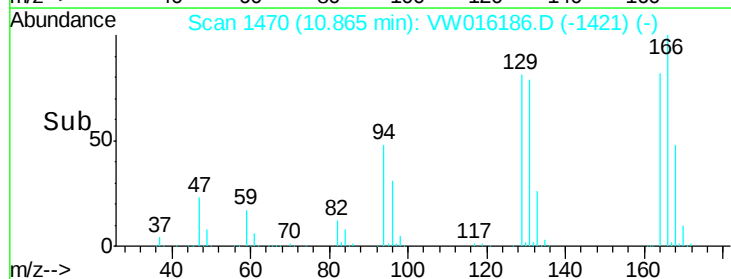
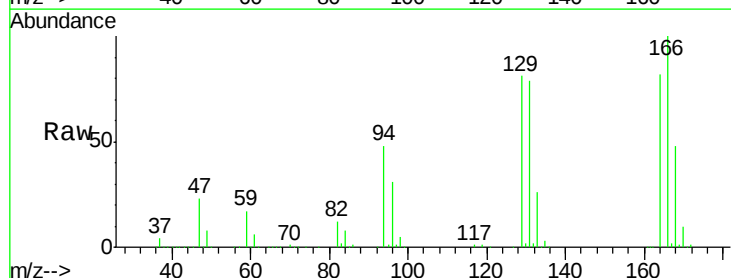
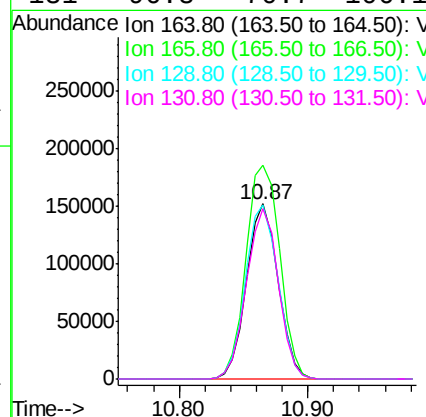
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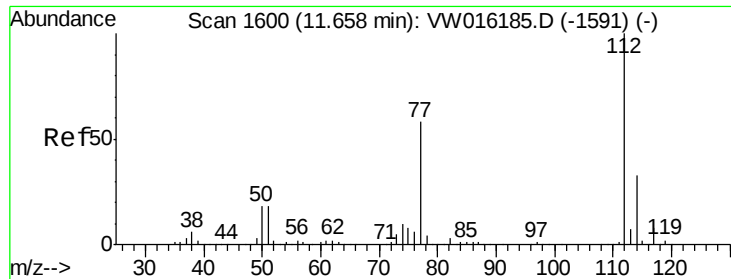
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#64  
Tetrachloroethene  
Concen: 103.254 ug/l  
RT: 10.87 min Scan# 1470  
Delta R.T. -0.00 min  
Lab File: VW016186.D  
Acq: 14 Aug 2020 11:25

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 164     | 100   | 258016 |       |       |
| 166     | 121.8 | 100.3  | 150.5 |       |
| 129     | 99.0  | 72.2   | 108.4 |       |
| 131     | 96.8  | 70.7   | 106.1 |       |





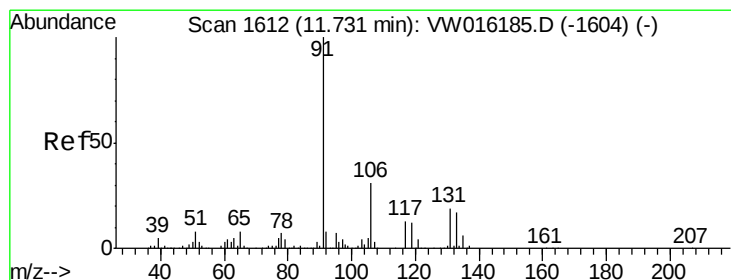
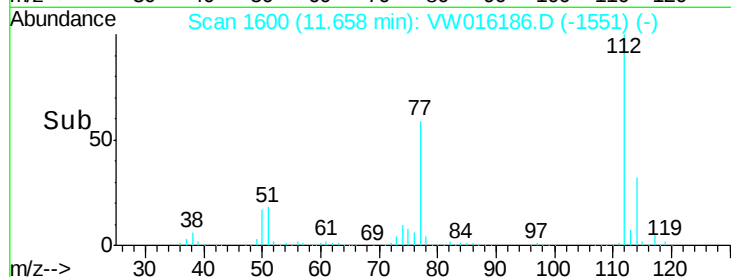
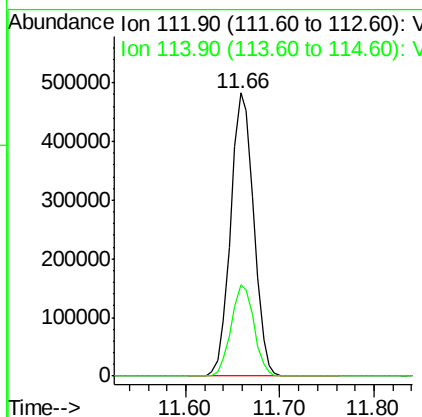
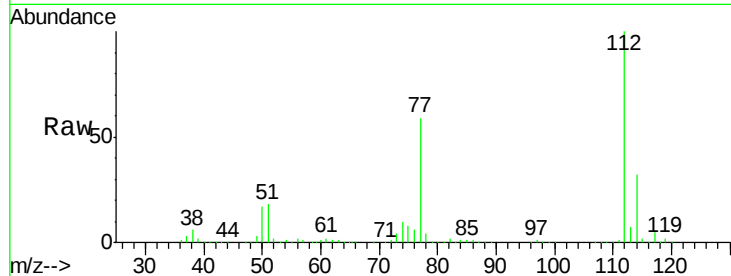
#65  
Chlorobenzene  
Concen: 106.120 ug/l  
RT: 11.66 min Scan# 1600  
Delta R.T. -0.00 min  
Lab File: VW016186.D  
Acq: 14 Aug 2020 11:25

Instrument :  
MSVOA\_W  
ClientSampled :  
VSTDIC100

Tot Ion:112 Resp: 817421  
Ion Ratio Lower Upper  
112 100  
114 32.1 26.6 39.8

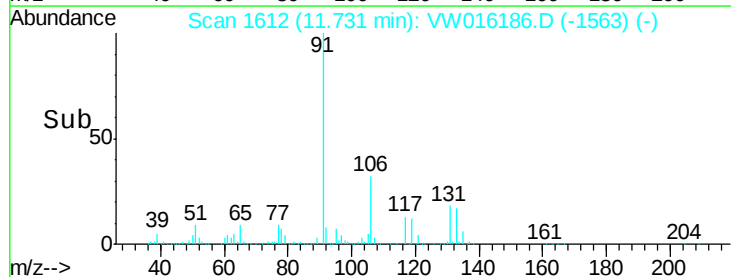
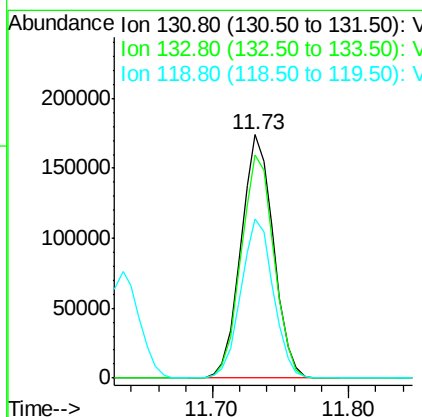
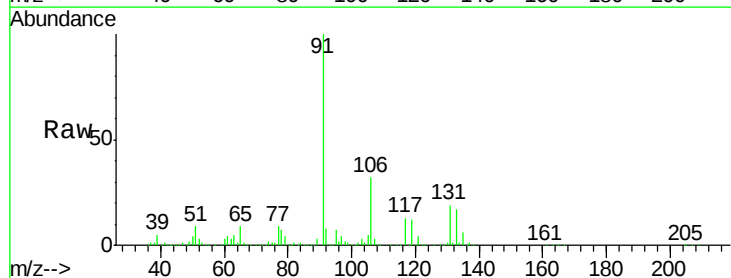
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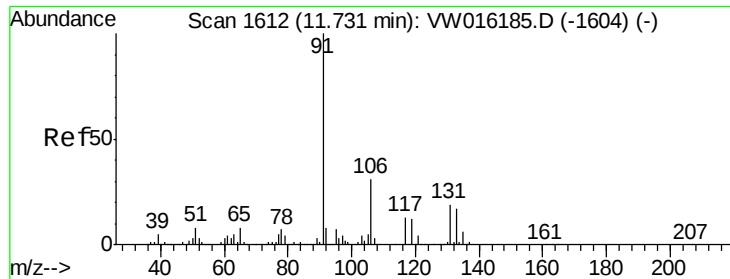
MMDadoda  
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#66  
1,1,1,2-Tetrachloroethane  
Concen: 106.558 ug/l  
RT: 11.73 min Scan# 1612  
Delta R.T. -0.00 min  
Lab File: VW016186.D  
Acq: 14 Aug 2020 11:25

Tgt Ion:131 Resp: 290229  
Ion Ratio Lower Upper  
131 100  
133 92.7 47.1 141.3  
119 65.1 33.1 99.3





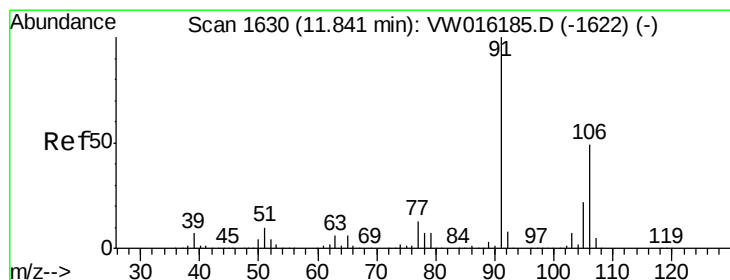
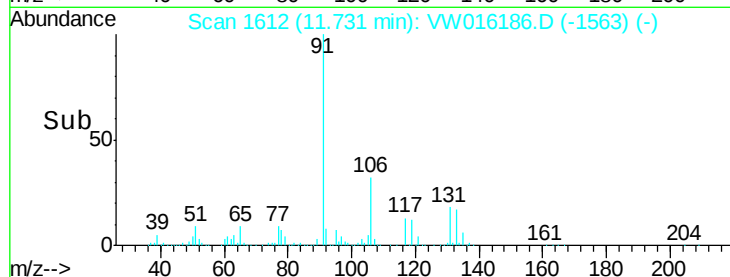
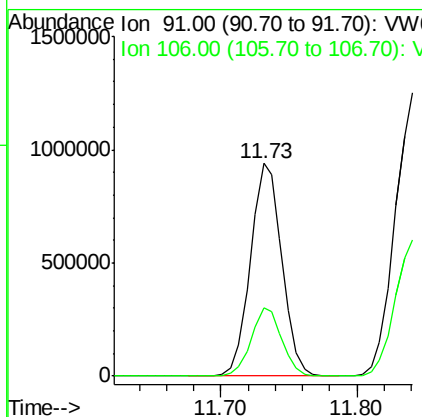
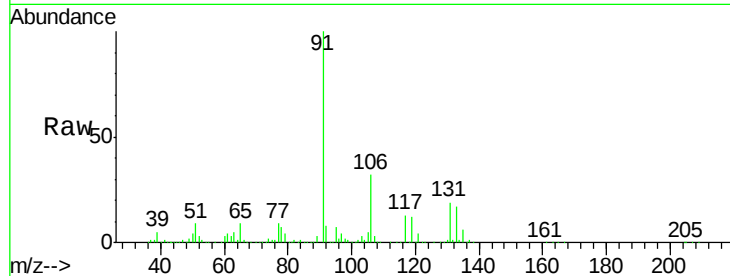
#67  
Ethyl Benzene  
Concen: 106.505 ug/l  
RT: 11.73 min Scan# 1612  
Delta R.T. -0.00 min  
Lab File: VW016186.D  
Acq: 14 Aug 2020 11:25

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC100

Tot Ion: 91 Resp: 1519328  
Ion Ratio Lower Upper  
91 100  
106 32.1 24.9 37.3

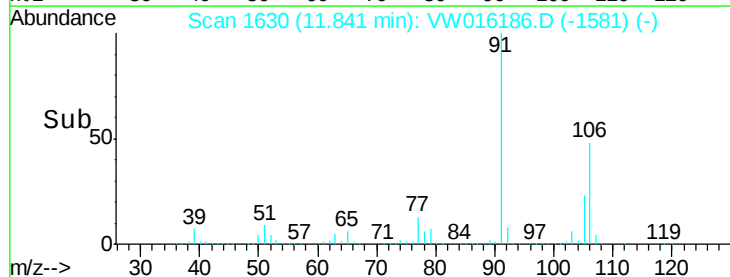
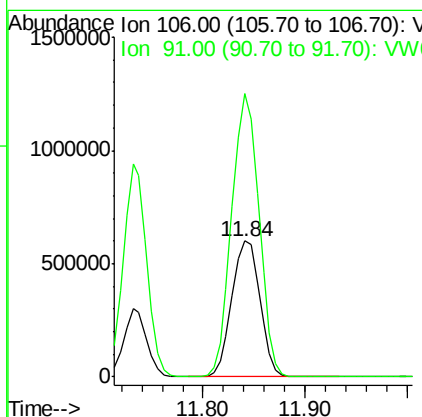
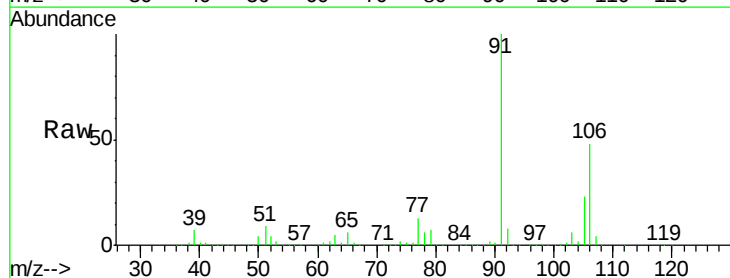
Manual Integrations  
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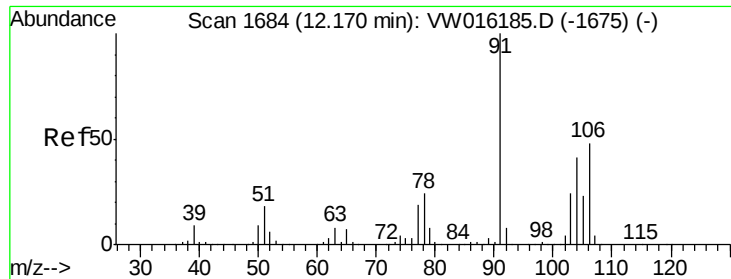
MMDadoda  
8/17/2020 5:46:29 PM



#68  
m/p-Xylenes  
Concen: 213.821 ug/l  
RT: 11.84 min Scan# 1630  
Delta R.T. -0.00 min  
Lab File: VW016186.D  
Acq: 14 Aug 2020 11:25

Tgt Ion: 106 Resp: 1145795  
Ion Ratio Lower Upper  
106 100  
91 202.1 161.4 242.2





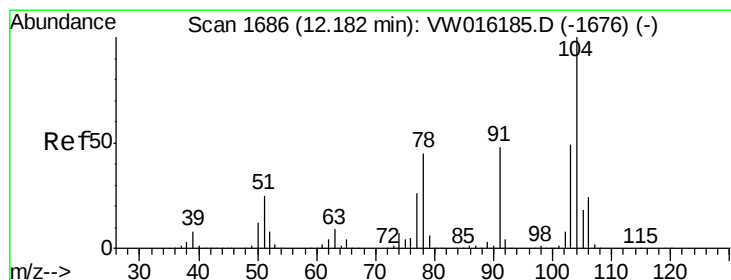
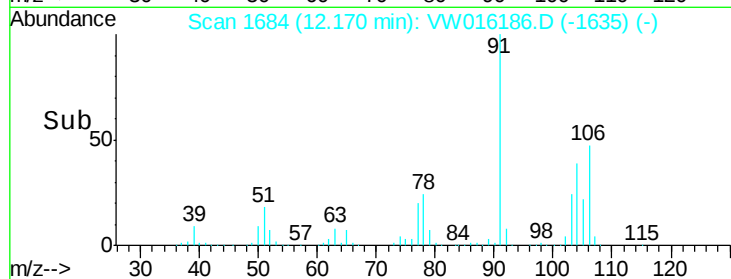
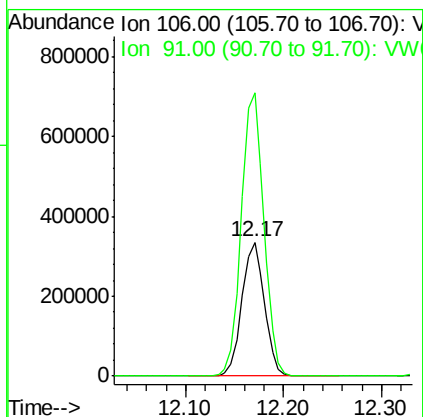
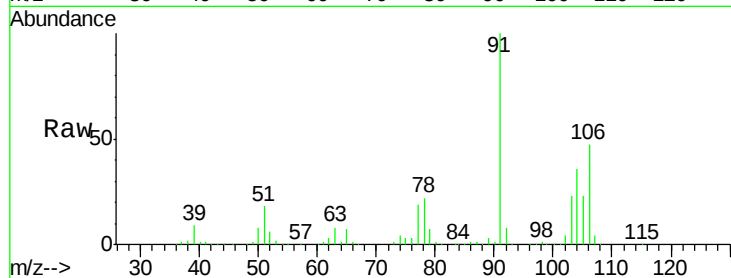
#69  
o-Xylene  
Concen: 108.702 ug/l  
RT: 12.17 min Scan# 1684  
Delta R.T. -0.00 min  
Lab File: VW016186.D  
Acq: 14 Aug 2020 11:25

Instrument :  
MSVOA\_W  
ClientSampled :  
VSTDIC100

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 106     | 100   |       |       |
| 91      | 213.7 | 106.0 | 317.9 |

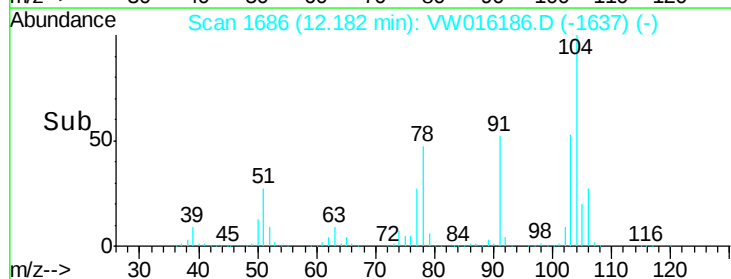
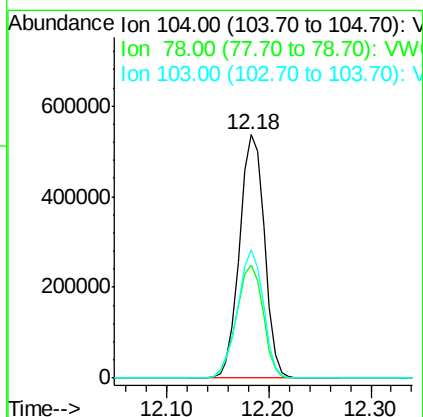
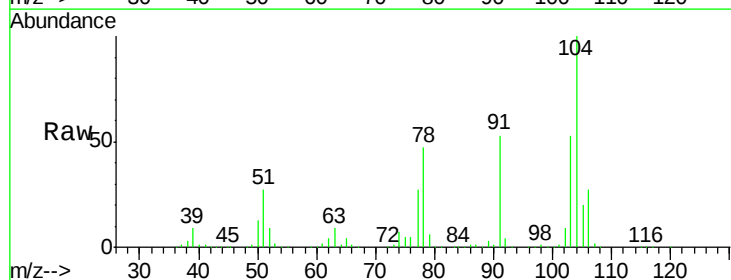
Manual Integrations  
APPROVED

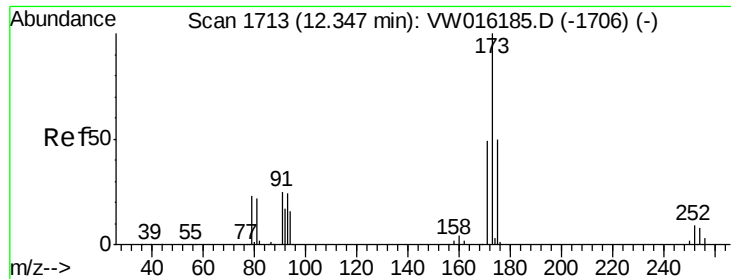
MMDadoda  
8/17/2020 5:46:29 PM



#70  
Styrene  
Concen: 107.627 ug/l  
RT: 12.18 min Scan# 1686  
Delta R.T. -0.00 min  
Lab File: VW016186.D  
Acq: 14 Aug 2020 11:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 104     | 100   |       |       |
| 78      | 49.9  | 39.4  | 59.2  |
| 103     | 54.4  | 42.9  | 64.3  |





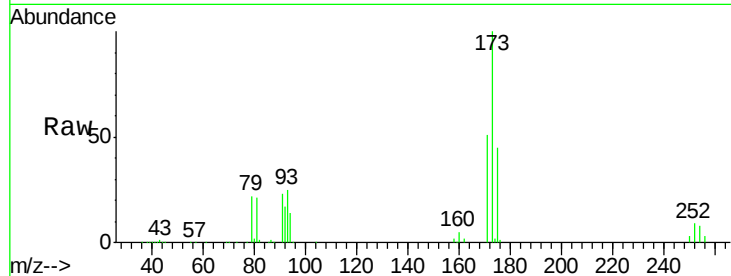
#71  
Bromoform  
Concen: 108.269 ug/l  
RT: 12.35 min Scan# 1714  
Delta R.T. 0.01 min  
Lab File: VW016186.D  
Acq: 14 Aug 2020 11:25

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC100

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 173     | 100   |       |       |
| 175     | 46.8  | 24.7  | 74.1  |
| 254     | 0.0   | 0.0   | 0.0   |

Manual Integrations  
APPROVED

MMDadoda  
8/17/2020 5:46:29 PM

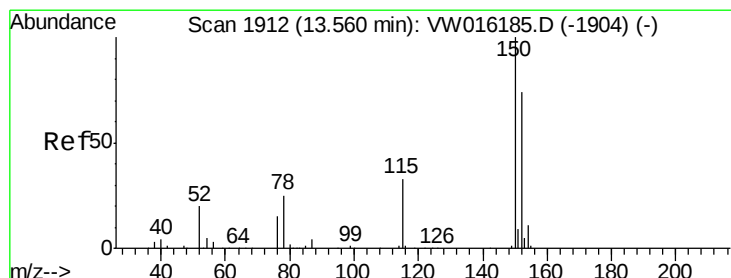
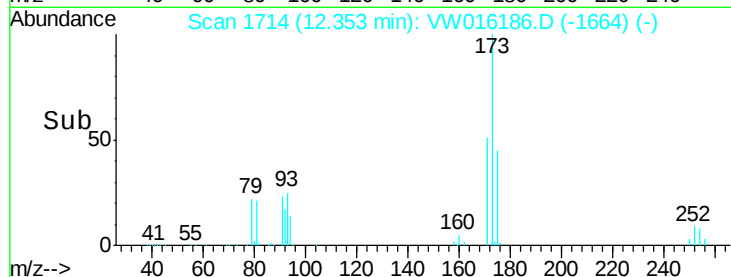
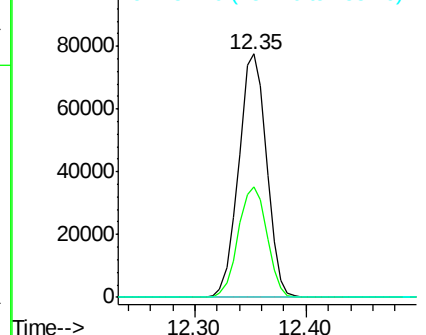


Abundance

Ion 172.70 (172.40 to 173.40): V

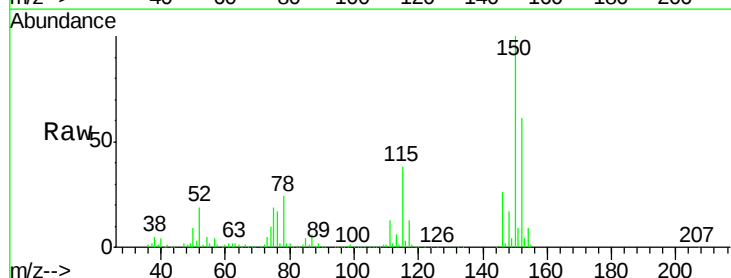
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.56 min Scan# 1912  
Delta R.T. -0.00 min  
Lab File: VW016186.D  
Acq: 14 Aug 2020 11:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 62.7  | 30.9  | 92.5  |
| 150     | 192.3 | 0.0   | 337.8 |

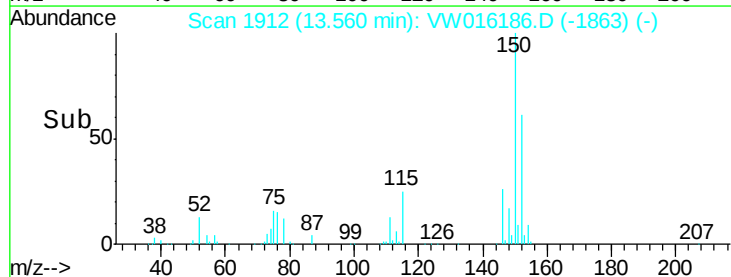
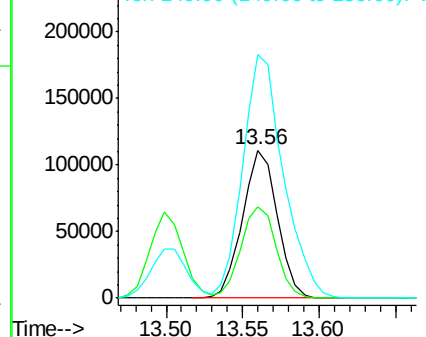


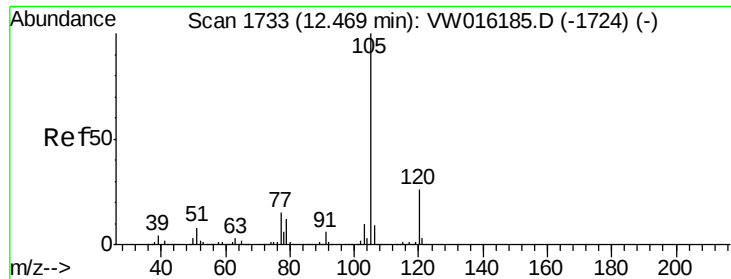
Abundance

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





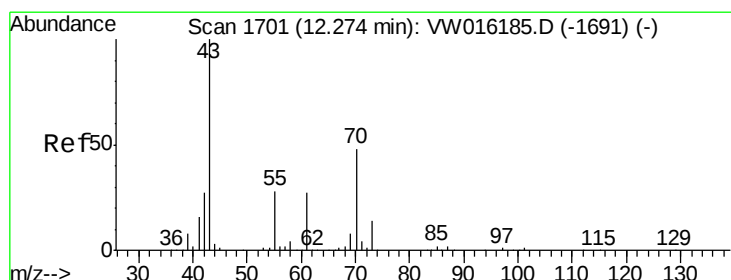
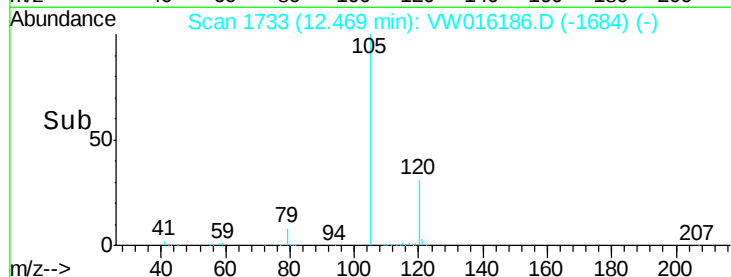
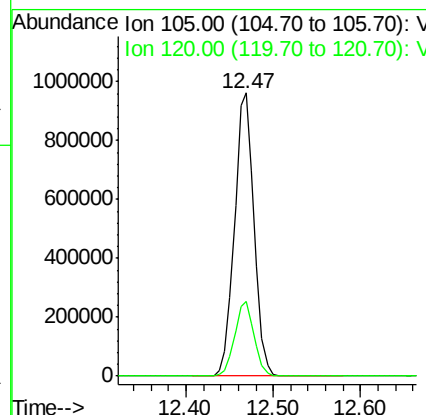
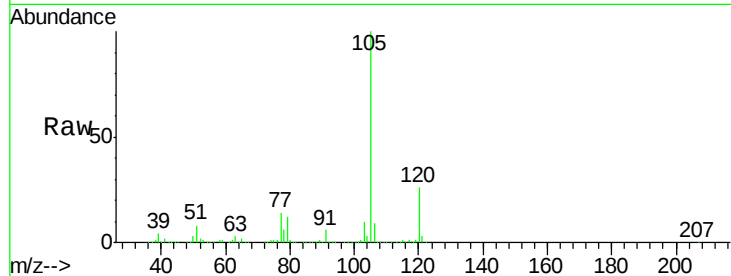
#73  
Isopropylbenzene  
Concen: 119.711 ug/l  
RT: 12.47 min Scan# 1733  
Delta R.T. -0.00 min  
Lab File: VW016186.D  
Acq: 14 Aug 2020 11:25

Instrument :  
MSVOA\_W  
ClientSampled :  
VSTDIC100

Tot Ion:105 Resp: 1490444  
Ion Ratio Lower Upper  
105 100  
120 26.1 13.2 39.6

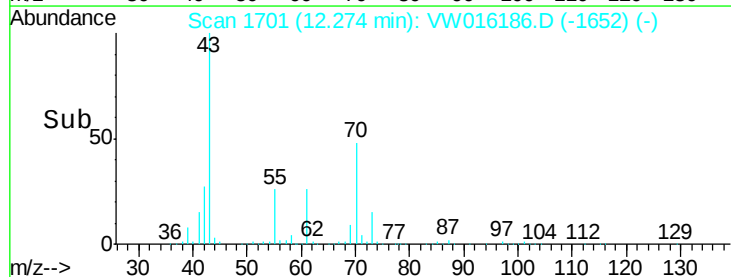
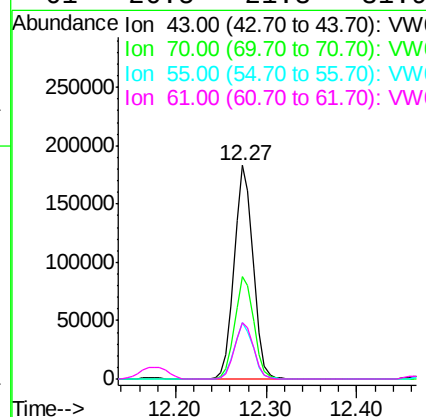
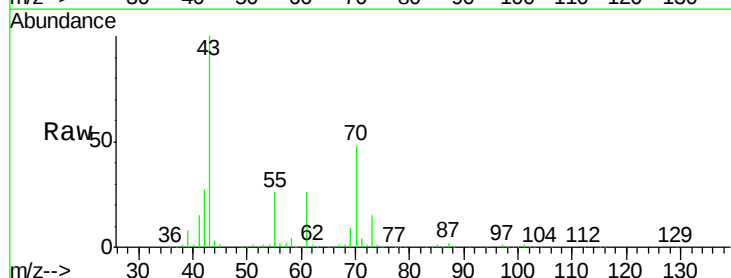
Manual Integrations  
APPROVED

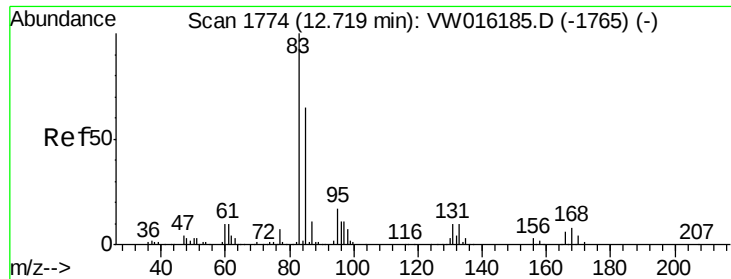
MMDadoda  
8/17/2020 5:46:29 PM



#74  
N-ethyl acetate  
Concen: 101.652 ug/l  
RT: 12.27 min Scan# 1701  
Delta R.T. -0.00 min  
Lab File: VW016186.D  
Acq: 14 Aug 2020 11:25

Tgt Ion: 43 Resp: 264990  
Ion Ratio Lower Upper  
43 100  
70 48.5 38.6 58.0  
55 26.5 22.2 33.2  
61 26.5 21.3 31.9





#75

1,1,2,2-Tetrachloroethane

Concen: 107.944 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW016186.D

Acq: 14 Aug 2020 11:25

Instrument :

MSVOA\_W

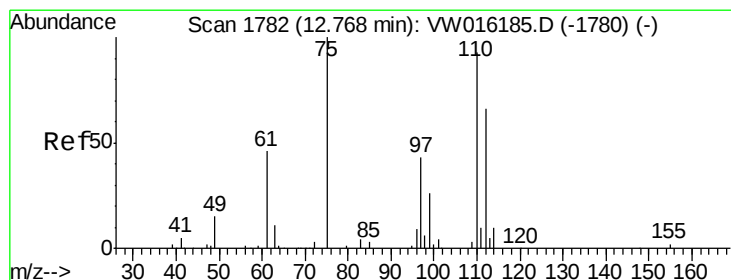
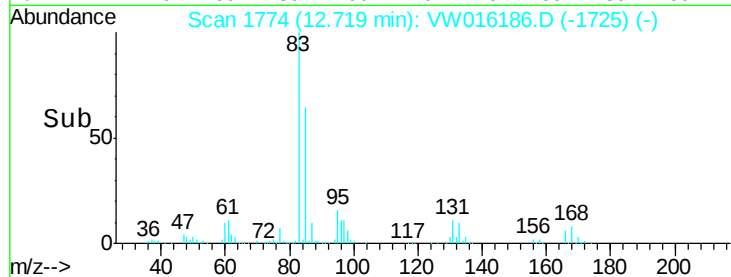
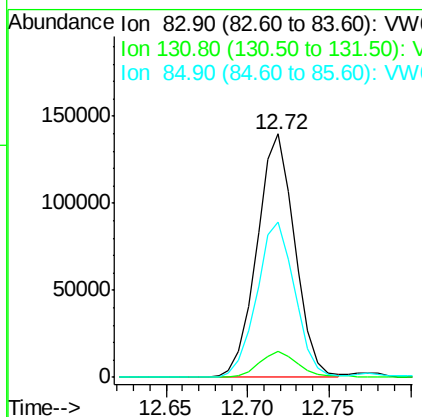
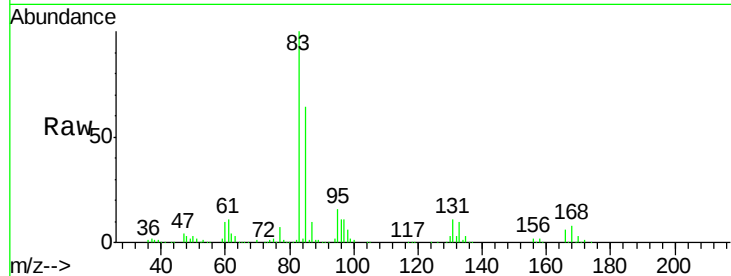
ClientSampleId :

VSTDIC100

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 83    | Resp: | 224898 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 131       | 11.2  | 5.6   | 16.8   |
| 85        | 64.3  | 31.3  | 93.9   |

Manual Integrations  
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#76

1,2,3-Trichloropropane

Concen: 106.059 ug/l m

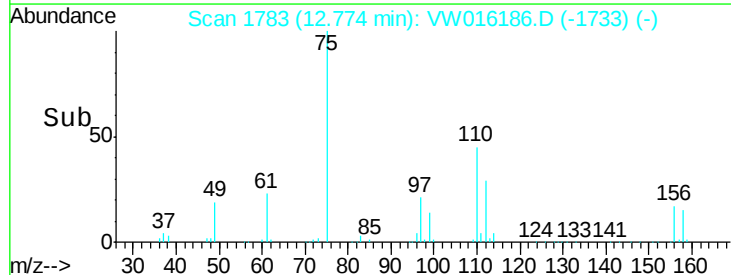
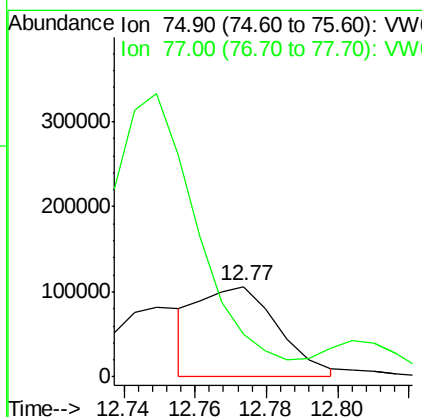
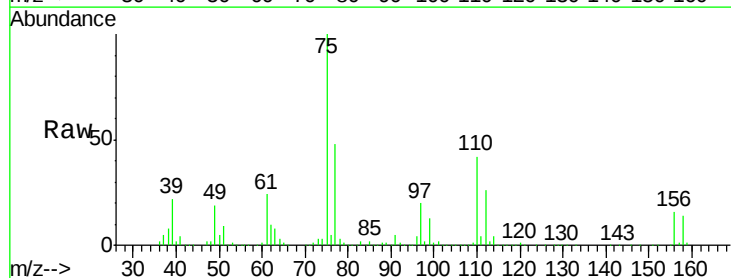
RT: 12.77 min Scan# 1783

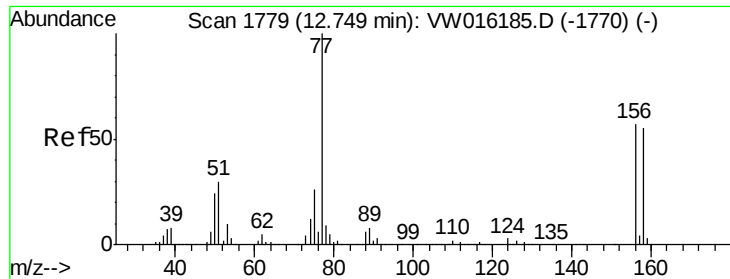
Delta R.T. 0.01 min

Lab File: VW016186.D

Acq: 14 Aug 2020 11:25

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 75    | Resp: | 164670 |
| Ion Ratio | Lower | Upper |        |
| 75        | 100   |       |        |
| 77        | 0.0   | 173.6 | 520.6# |





#77

Bromobenzene

Concen: 113.186 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW016186.D

Acq: 14 Aug 2020 11:25

Instrument :

MSVOA\_W

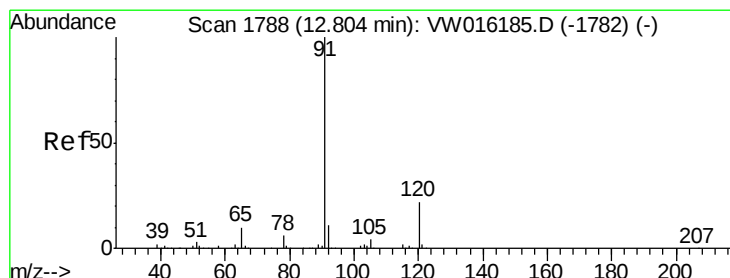
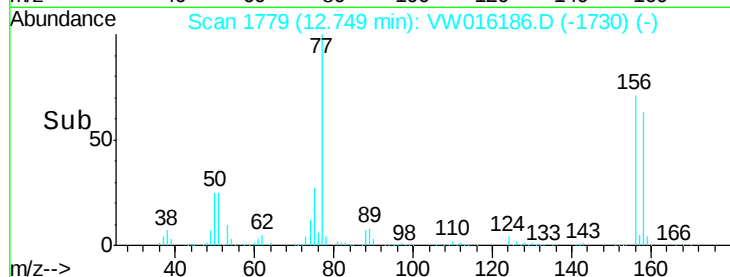
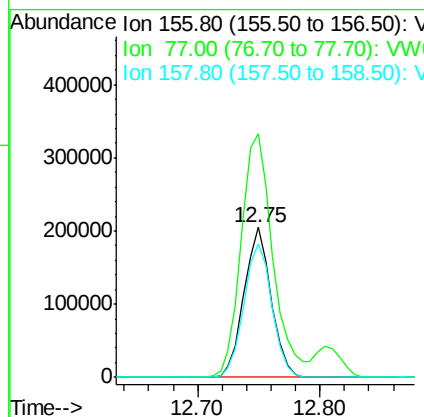
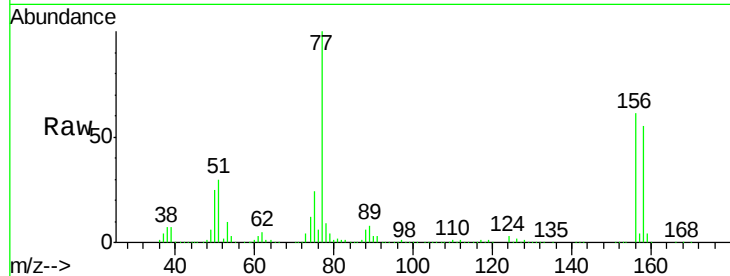
ClientSampled :

VSTDIC100

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 156   | Resp: | 315201 |
| Ion Ratio | Lower | Upper |        |
| 156       | 100   |       |        |
| 77        | 188.5 | 97.9  | 293.6  |
| 158       | 92.2  | 49.0  | 147.2  |

Manual Integrations  
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#78

n-propylbenzene

Concen: 115.010 ug/l

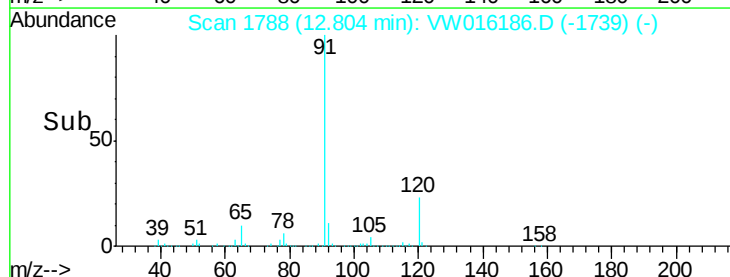
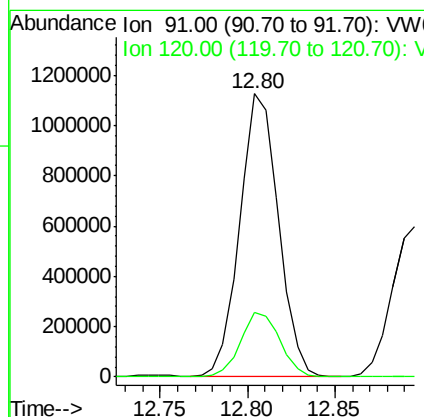
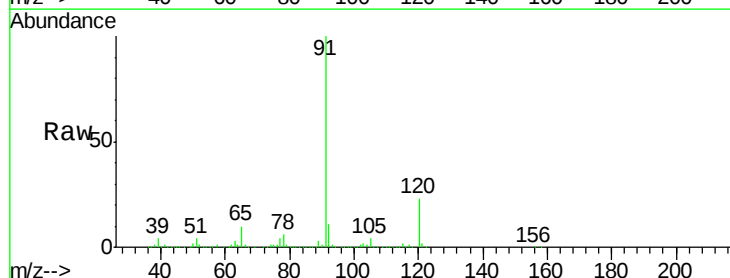
RT: 12.80 min Scan# 1788

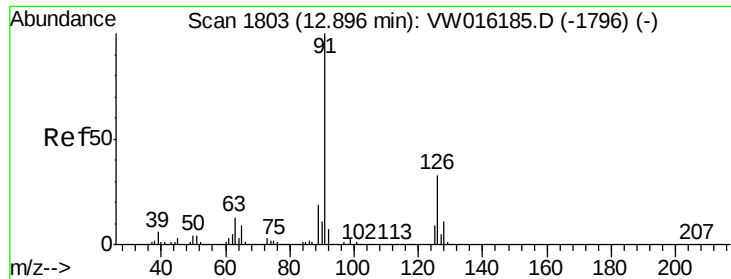
Delta R.T. -0.00 min

Lab File: VW016186.D

Acq: 14 Aug 2020 11:25

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 91    | Resp: | 1731796 |
| Ion Ratio | Lower | Upper |         |
| 91        | 100   |       |         |
| 120       | 23.1  | 11.6  | 34.7    |





#79

2-Chlorotoluene

Concen: 113.767 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW016186.D

Acq: 14 Aug 2020 11:25

Instrument :

MSVOA\_W

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 978210

Ion Ratio Lower Upper

91 100

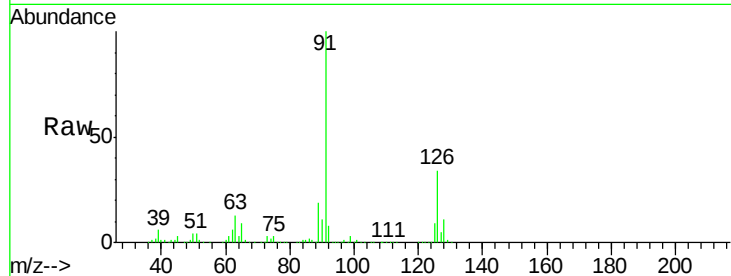
126 33.6 16.4 49.2

Manual Integrations

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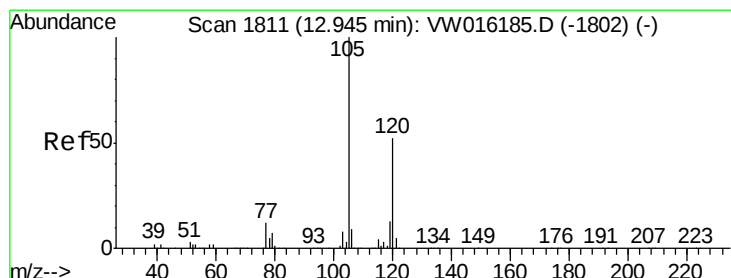
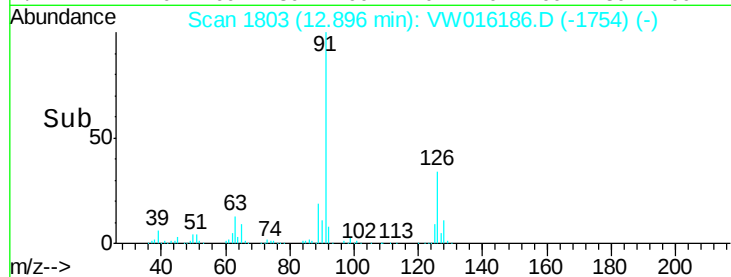
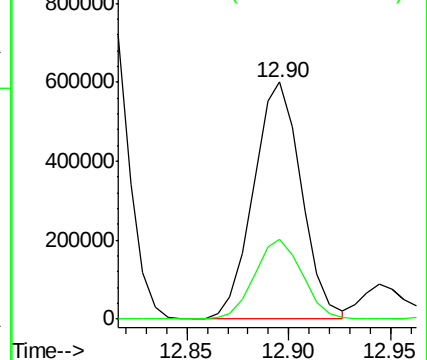
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 116.796 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW016186.D

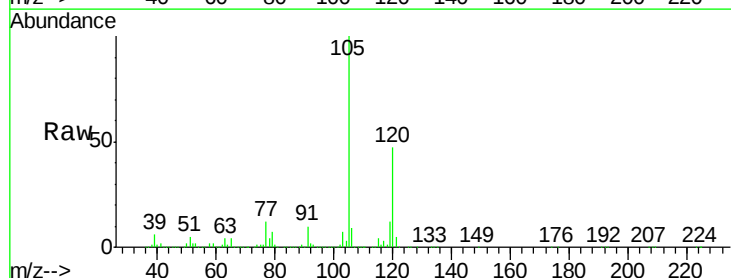
Acq: 14 Aug 2020 11:25

Tgt Ion:105 Resp: 1241931

Ion Ratio Lower Upper

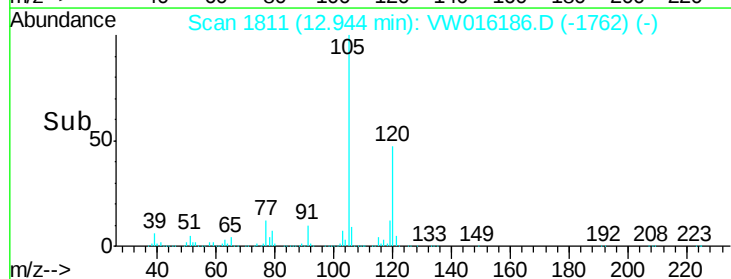
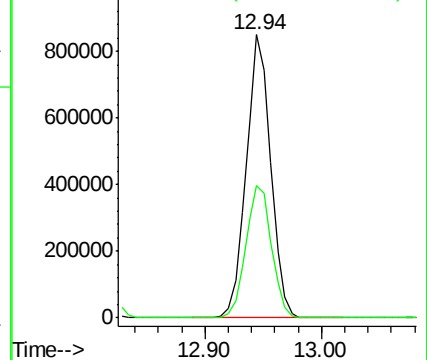
105 100

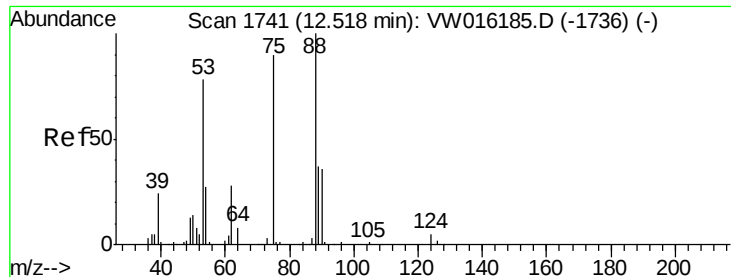
120 49.0 25.1 75.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





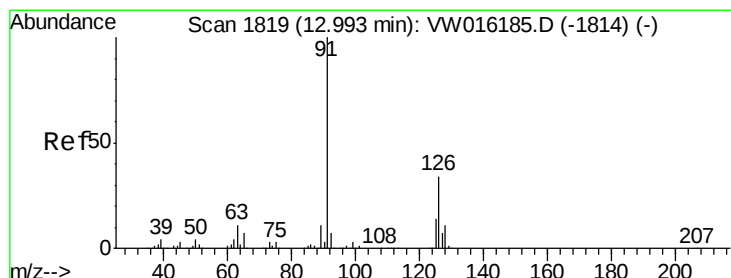
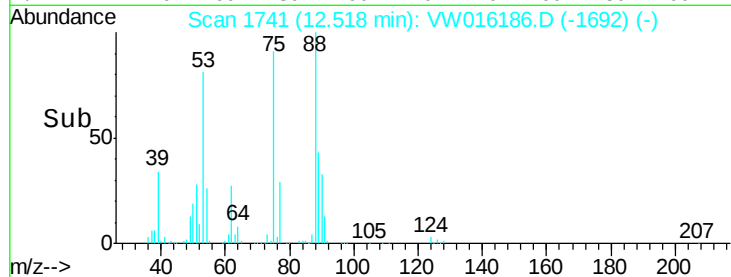
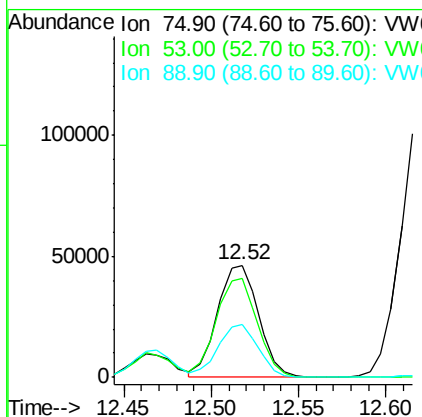
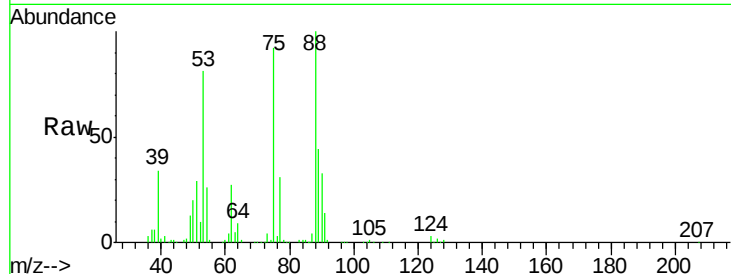
#81  
trans-1,4-Dichloro-2-butene  
Concen: 121.798 ug/l  
RT: 12.52 min Scan# 1741  
Delta R.T. -0.00 min  
Lab File: VW016186.D  
Acq: 14 Aug 2020 11:25

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC100

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 53      | 88.7  | 74.6  | 111.8 |
| 89      | 46.5  | 37.2  | 55.8  |

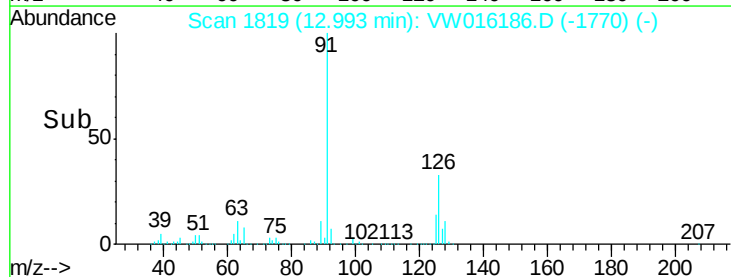
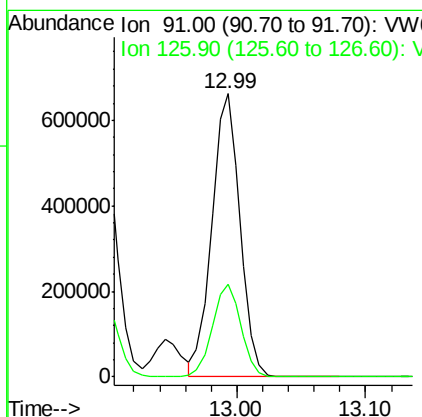
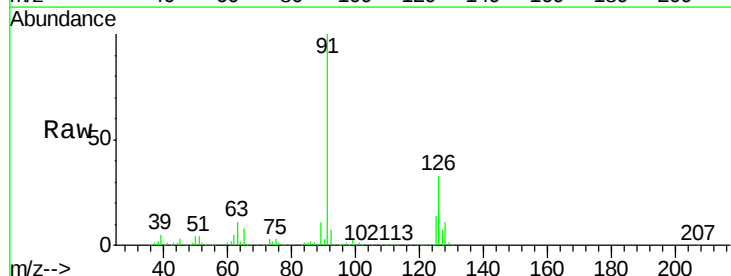
Manual Integrations  
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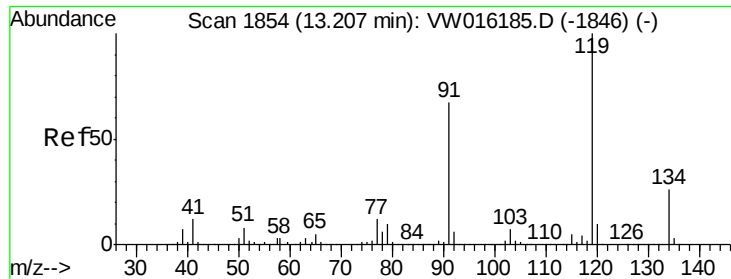
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8/17/2020 5:46:29 PM



#82  
4-Chlorotoluene  
Concen: 112.310 ug/l  
RT: 12.99 min Scan# 1819  
Delta R.T. -0.00 min  
Lab File: VW016186.D  
Acq: 14 Aug 2020 11:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 126     | 33.4  | 16.6  | 49.8  |





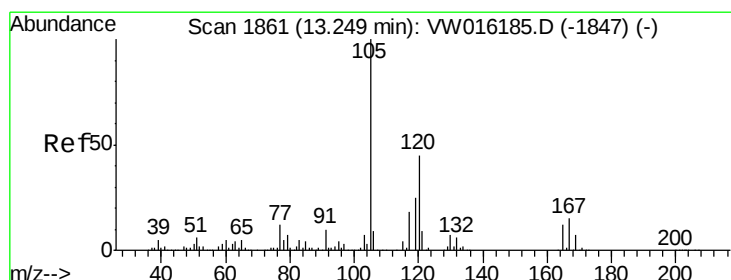
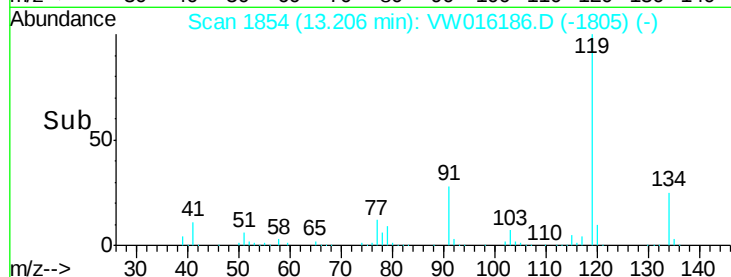
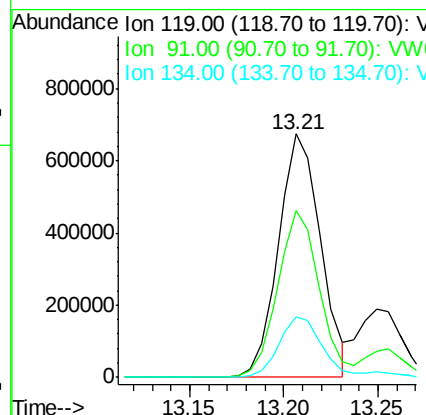
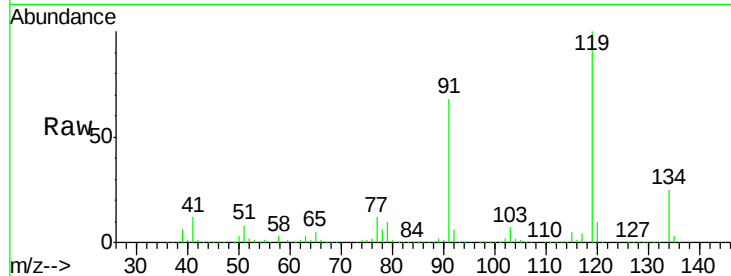
#83  
 tert-Butylbenzene  
 Concen: 118.574 ug/l  
 RT: 13.21 min Scan# 1854  
 Delta R.T. -0.00 min  
 Lab File: VW016186.D  
 Acq: 14 Aug 2020 11:25

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDIC100

Tot Ion:119 Resp: 1044585  
 Ion Ratio Lower Upper  
 119 100  
 91 67.6 33.3 99.9  
 134 27.0 13.5 40.5

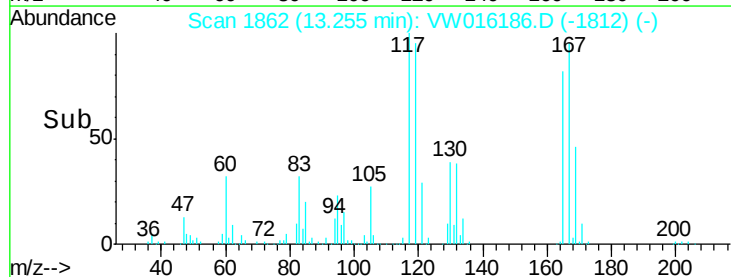
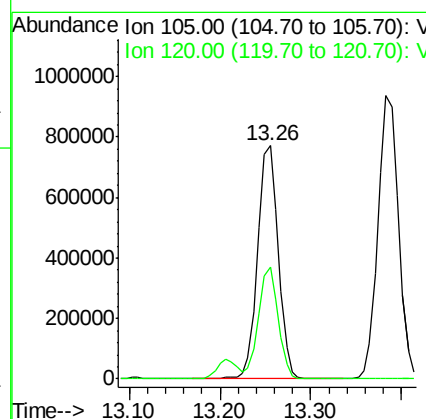
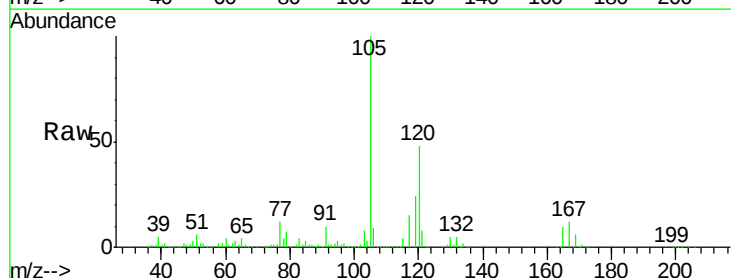
Manual Integrations  
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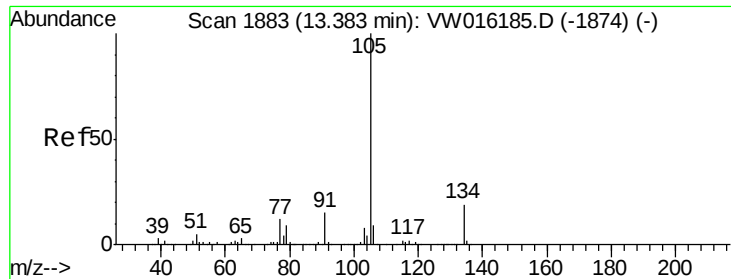
MMDadoda  
 8/17/2020 5:46:29 PM



#84  
 1,2,4-Trimethylbenzene  
 Concen: 114.852 ug/l  
 RT: 13.26 min Scan# 1862  
 Delta R.T. 0.01 min  
 Lab File: VW016186.D  
 Acq: 14 Aug 2020 11:25

Tgt Ion:105 Resp: 1219353  
 Ion Ratio Lower Upper  
 105 100  
 120 45.8 22.2 66.6





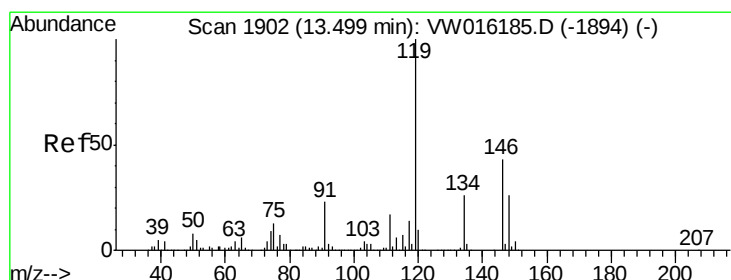
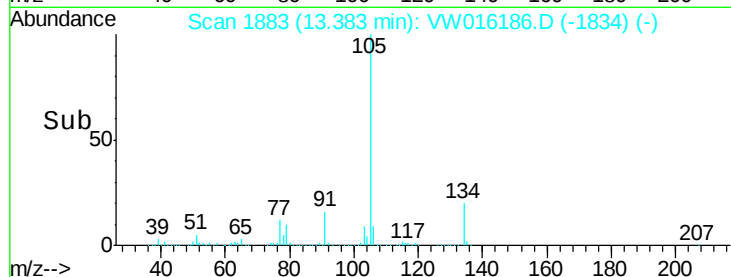
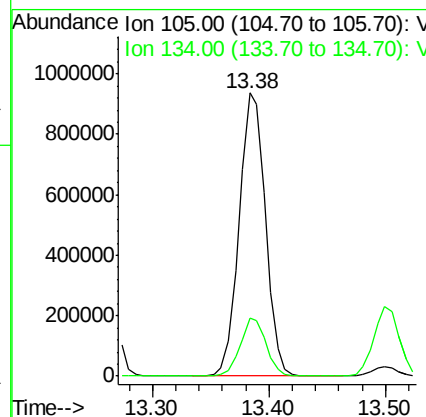
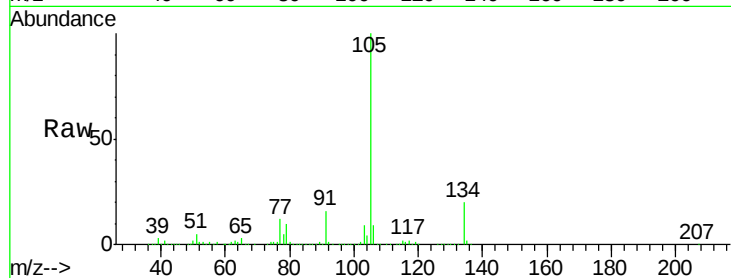
#85  
 sec-Butylbenzene  
 Concen: 115.508 ug/l  
 RT: 13.38 min Scan# 1883  
 Delta R.T. -0.00 min  
 Lab File: VW016186.D  
 Acq: 14 Aug 2020 11:25

Instrument :  
 MSVOA\_W  
 ClientSampled :  
 VSTDIC100

Tot Ion:105 Resp: 1470703  
 Ion Ratio Lower Upper  
 105 100  
 134 19.9 9.8 29.4

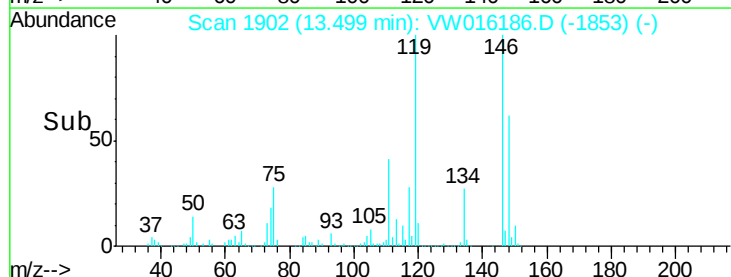
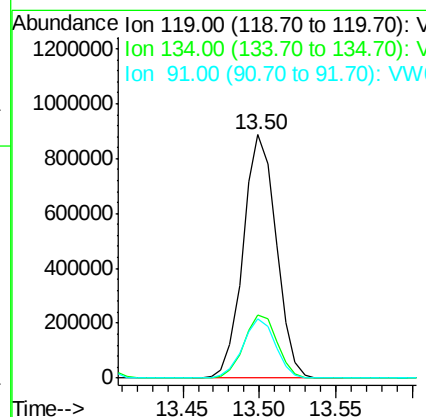
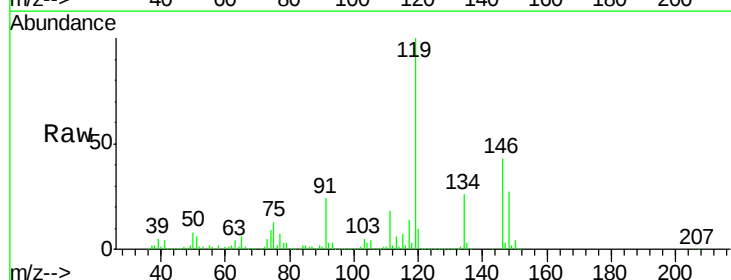
Manual Integrations  
 APPROVED

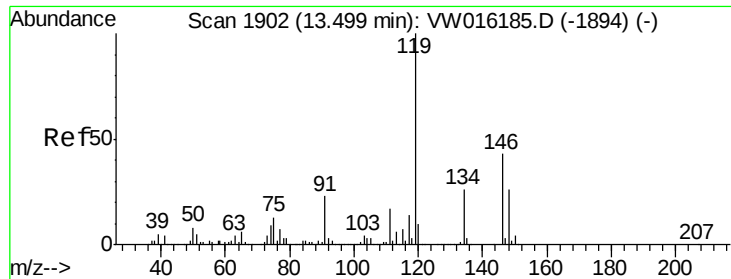
MMDadoda  
 8/17/2020 5:46:29 PM



#86  
 p-Isopropyltoluene  
 Concen: 114.198 ug/l  
 RT: 13.50 min Scan# 1902  
 Delta R.T. -0.00 min  
 Lab File: VW016186.D  
 Acq: 14 Aug 2020 11:25

Tgt Ion:119 Resp: 1327845  
 Ion Ratio Lower Upper  
 119 100  
 134 26.0 12.8 38.4  
 91 24.0 11.8 35.3





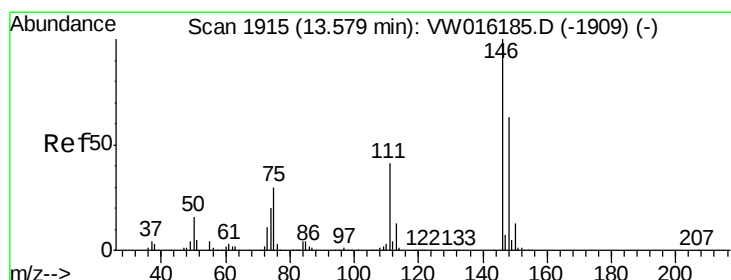
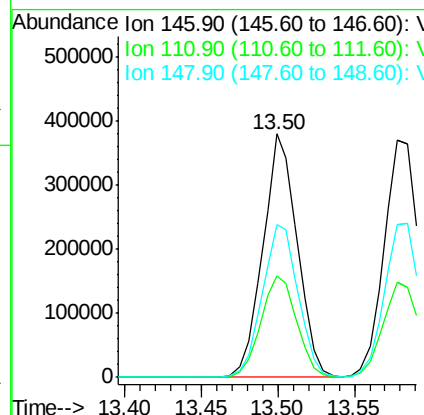
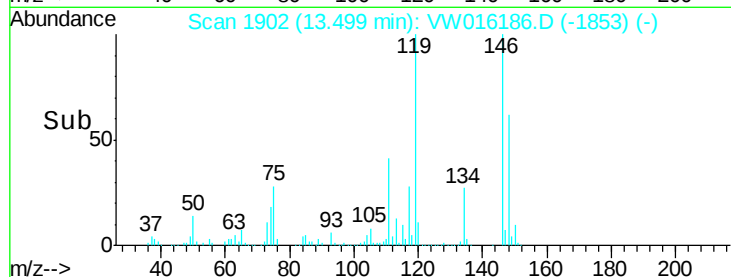
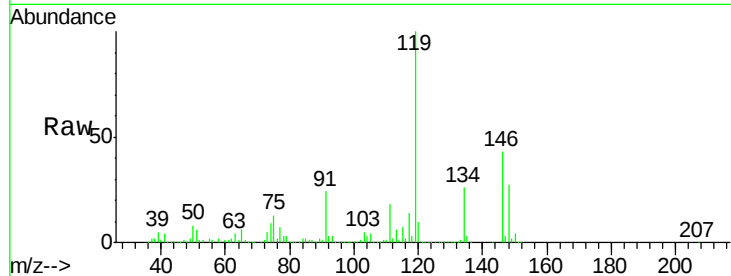
#87  
 1,3-Dichlorobenzene  
 Concen: 106.352 ug/l  
 RT: 13.50 min Scan# 1902  
 Delta R.T. -0.00 min  
 Lab File: VW016186.D  
 Acq: 14 Aug 2020 11:25

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDIC100

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 146     | 100   | 594827 |       |       |
| 111     | 43.4  | 20.8   | 62.5  |       |
| 148     | 65.2  | 31.1   | 93.5  |       |

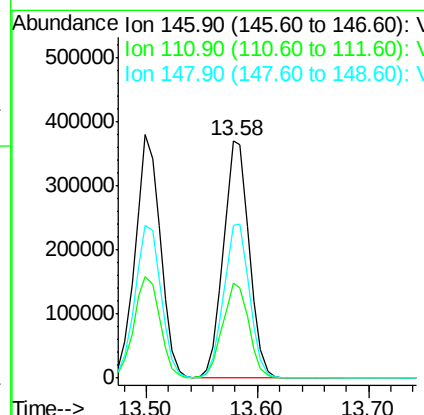
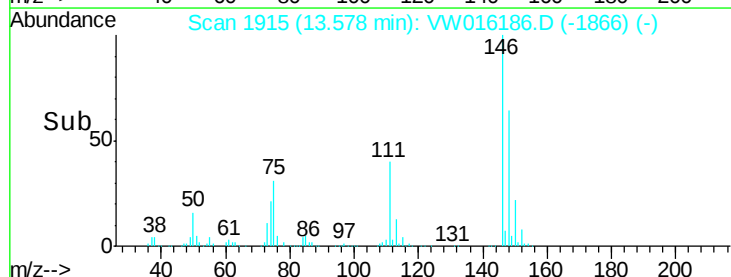
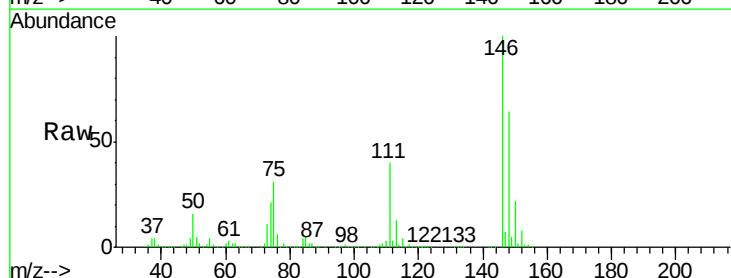
Manual Integrations  
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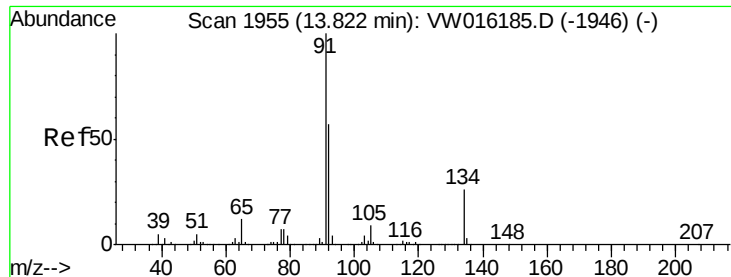
MMDadoda  
 8/17/2020 5:46:29 PM



#88  
 1,4-Dichlorobenzene  
 Concen: 108.348 ug/l  
 RT: 13.58 min Scan# 1915  
 Delta R.T. -0.00 min  
 Lab File: VW016186.D  
 Acq: 14 Aug 2020 11:25

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 146     | 100   | 592076 |       |       |
| 111     | 40.5  | 20.8   | 62.2  |       |
| 148     | 65.1  | 32.1   | 96.3  |       |





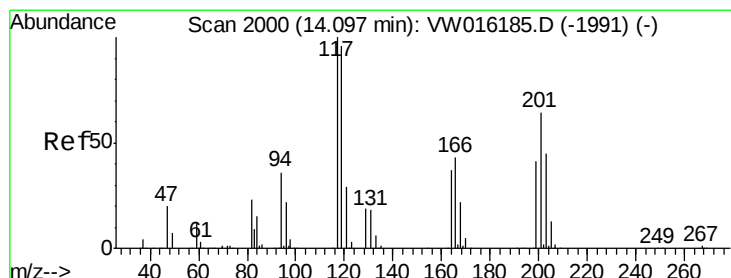
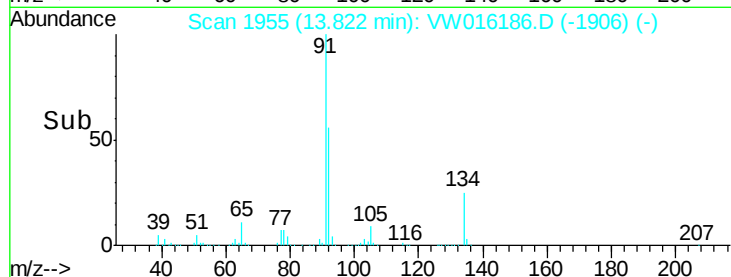
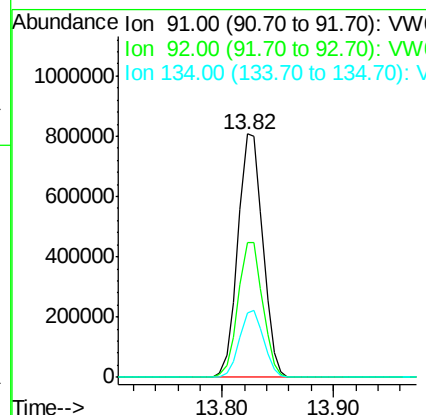
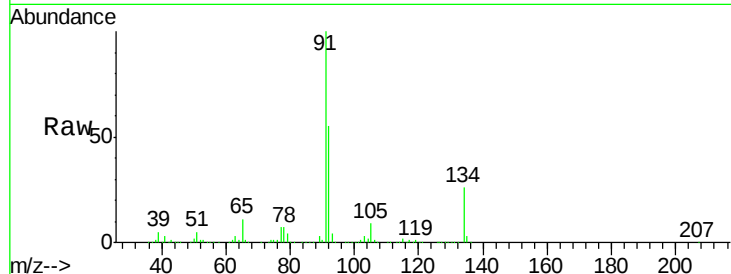
#89  
n-Butylbenzene  
Concen: 113.130 ug/l  
RT: 13.82 min Scan# 1955  
Delta R.T. -0.00 min  
Lab File: VW016186.D  
Acq: 14 Aug 2020 11:25

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC100

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 54.9  | 27.4  | 82.2  |
| 134     | 26.6  | 13.0  | 39.0  |

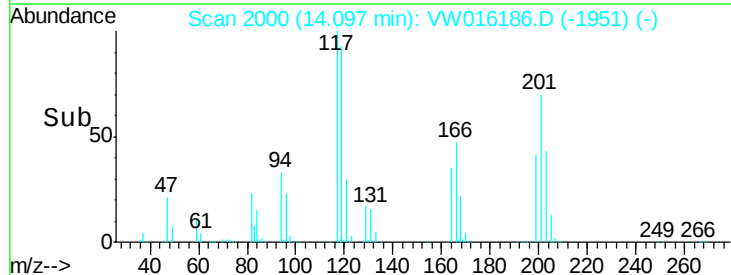
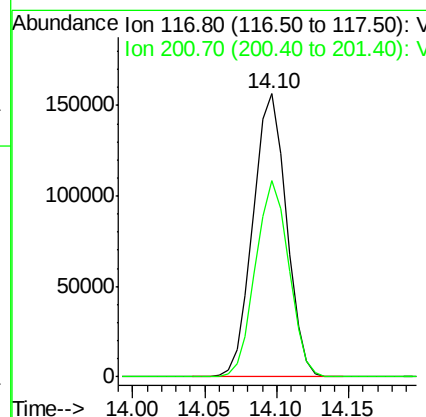
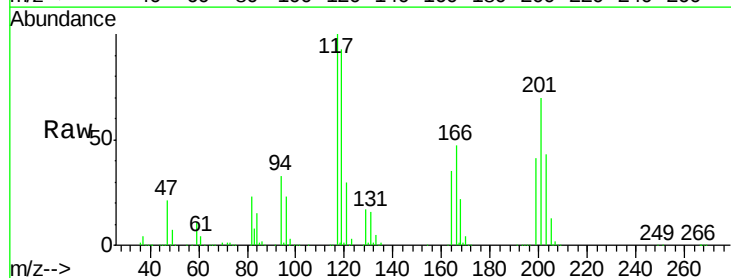
Manual Integrations  
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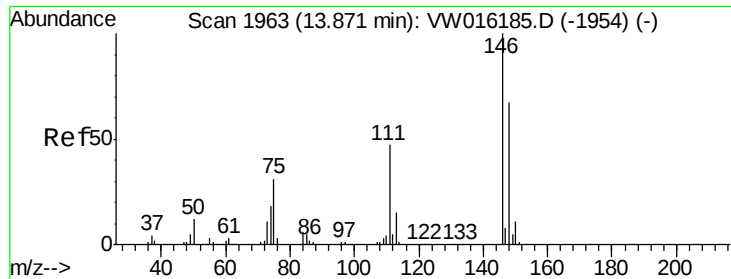
MMDadoda  
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#90  
Hexachloroethane  
Concen: 119.342 ug/l  
RT: 14.10 min Scan# 2000  
Delta R.T. -0.00 min  
Lab File: VW016186.D  
Acq: 14 Aug 2020 11:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 69.3  | 33.8  | 101.3 |





#91

1,2-Dichlorobenzene

Concen: 109.277 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW016186.D

Acq: 14 Aug 2020 11:25

Instrument :

MSVOA\_W

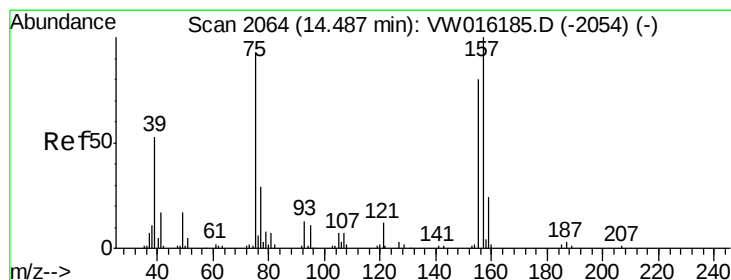
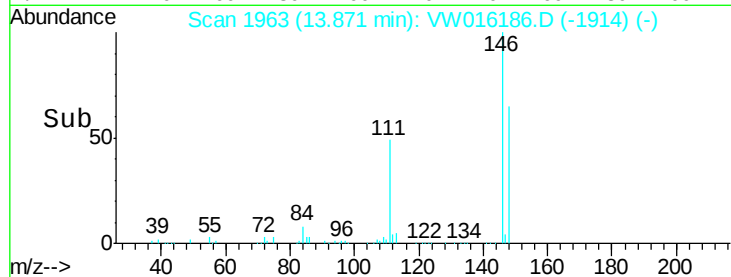
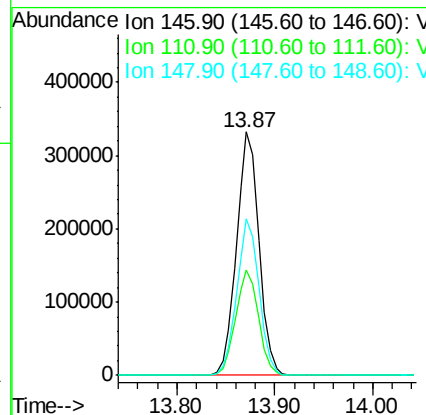
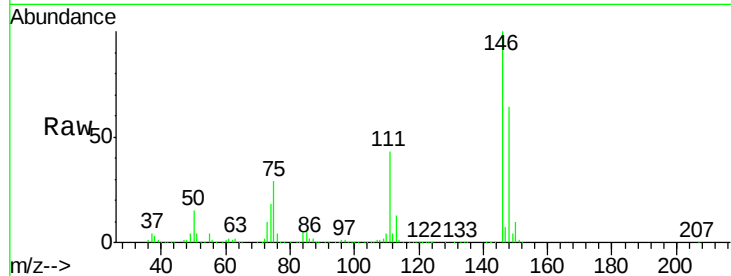
ClientSampleId :

VSTDIC100

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 146   | Resp: | 526441 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 111       | 43.9  | 21.9  | 65.8   |
| 148       | 63.8  | 32.1  | 96.3   |

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#92

1,2-Dibromo-3-Chloropropane

Concen: 109.650 ug/l

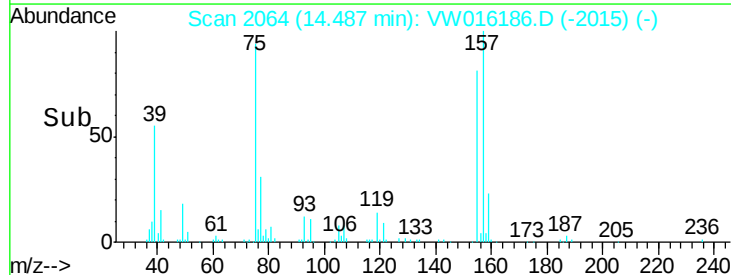
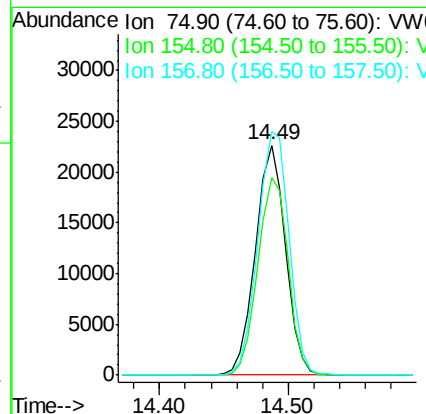
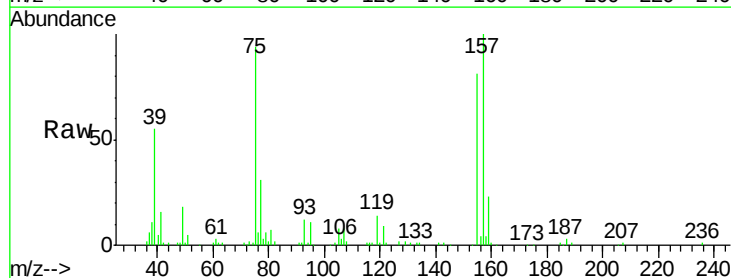
RT: 14.49 min Scan# 2064

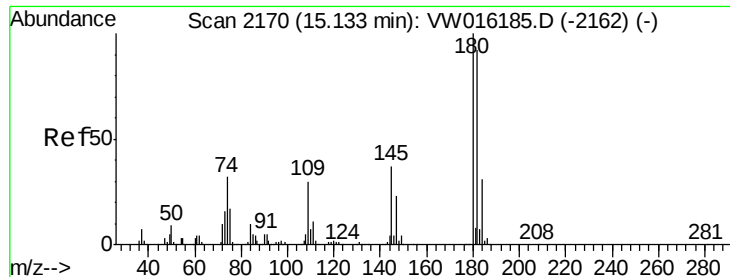
Delta R.T. -0.00 min

Lab File: VW016186.D

Acq: 14 Aug 2020 11:25

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 36368 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 155       | 86.6  | 41.3  | 124.1 |
| 157       | 109.8 | 53.0  | 159.0 |





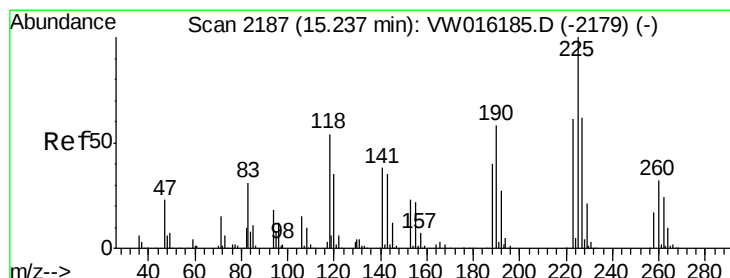
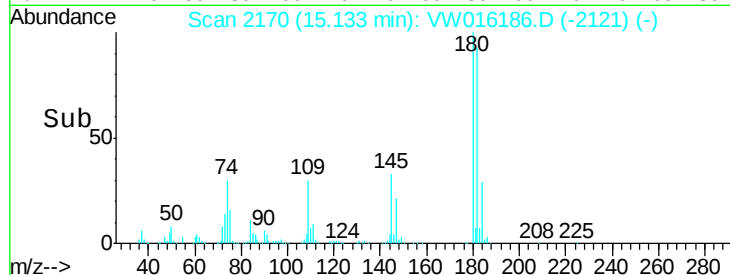
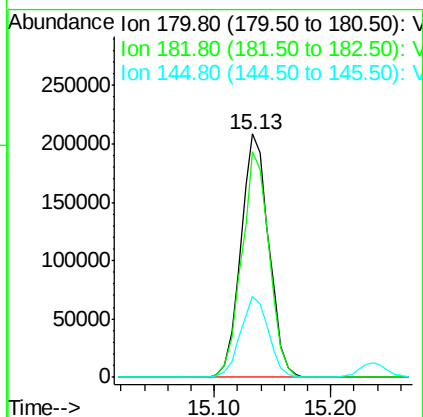
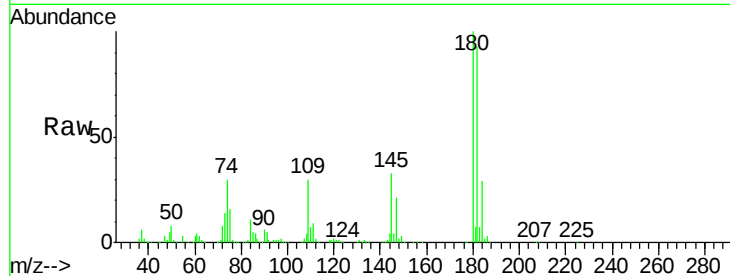
#93  
 1,2,4-Trichlorobenzene  
 Concen: 115.085 ug/l  
 RT: 15.13 min Scan# 2170  
 Delta R.T. -0.00 min  
 Lab File: VW016186.D  
 Acq: 14 Aug 2020 11:25

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDIC100

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 348689 |       |       |
| 182     | 91.0  | 46.0   | 138.0 |       |
| 145     | 33.1  | 16.9   | 50.7  |       |

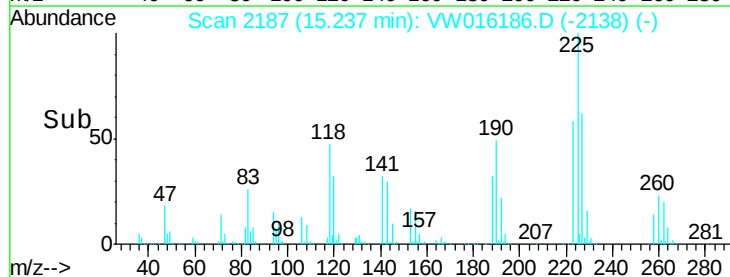
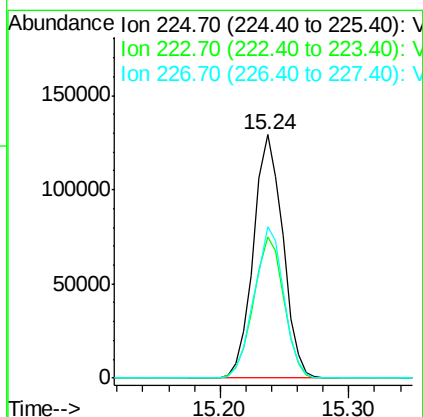
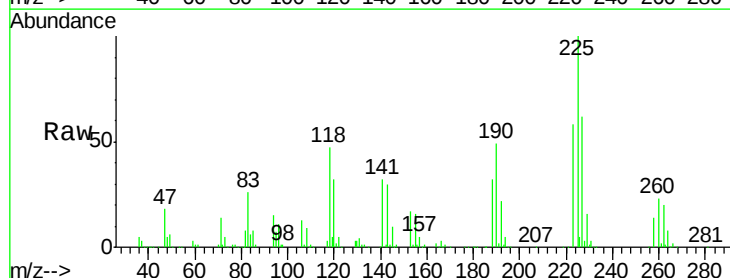
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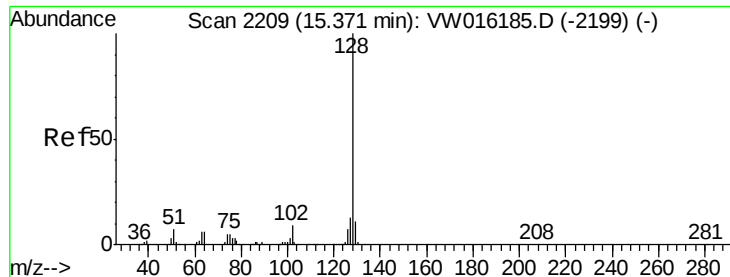
MMDadoda  
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#94  
 Hexachlorobutadiene  
 Concen: 107.500 ug/l  
 RT: 15.24 min Scan# 2187  
 Delta R.T. -0.00 min  
 Lab File: VW016186.D  
 Acq: 14 Aug 2020 11:25

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 225     | 100   | 203185 |       |       |
| 223     | 59.8  | 33.0   | 99.0  |       |
| 227     | 62.6  | 32.0   | 96.2  |       |





#95

Naphthalene

Concen: 130.577 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VW016186.D

Acq: 14 Aug 2020 11:25

Instrument :

MSVOA\_W

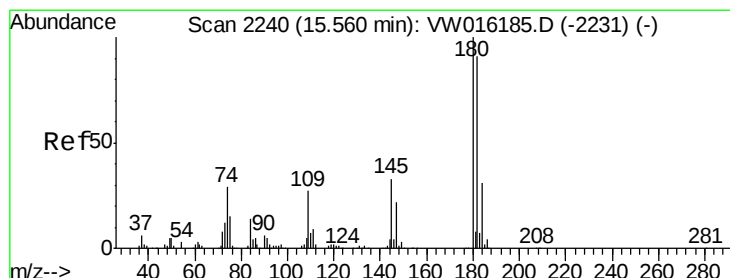
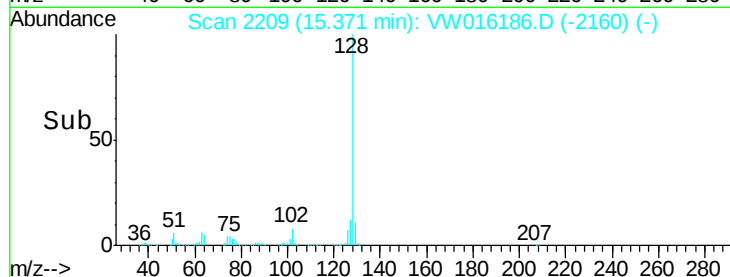
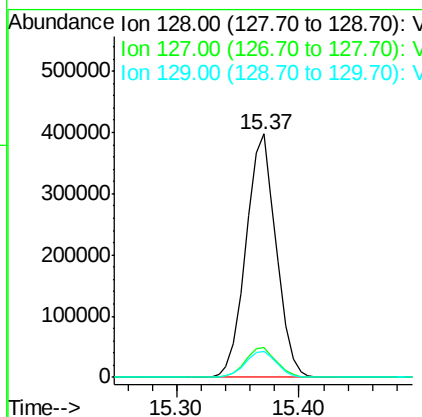
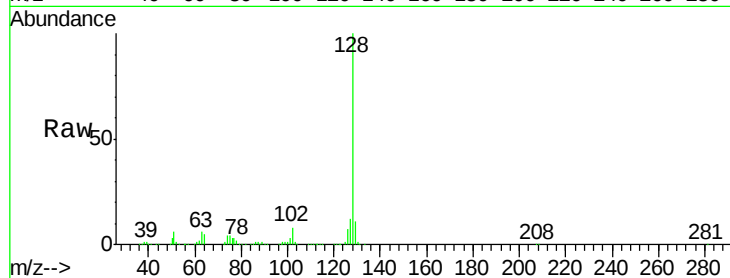
ClientSampleId :

VSTDIC100

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 128   | Resp: | 679535 |
| Ion Ratio | Lower | Upper |        |
| 128       | 100   |       |        |
| 127       | 12.7  | 10.2  | 15.4   |
| 129       | 11.0  | 8.7   | 13.1   |

Manual Integrations  
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#96

1,2,3-Trichlorobenzene

Concen: 112.520 ug/l

RT: 15.56 min Scan# 2240

Delta R.T. -0.00 min

Lab File: VW016186.D

Acq: 14 Aug 2020 11:25

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 180   | Resp: | 293544 |
| Ion Ratio | Lower | Upper |        |
| 180       | 100   |       |        |
| 182       | 97.1  | 47.7  | 143.1  |
| 145       | 35.7  | 17.4  | 52.3   |

