

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090719\  
 Data File : VW012717.D  
 Acq On : 07 Sep 2019 13:39  
 Operator : SY/VA  
 Sample : VSTDCCC050  
 Misc : 5.00G/5ML/MSVOA W/SOIL  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDCCC050

Manual Integrations  
 APPROVED

MMDadoda  
 9/10/2019 1:02:49 PM

Quant Time: Sep 08 05:23:14 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W090719S.M  
 Quant Title : SW846 8260  
 QLast Update : Sun Sep 08 05:04:40 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.95  | 168  | 227938   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.84  | 114  | 344618   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.63 | 117  | 294371   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 146344   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 8.31   | 65  | 133992   | 52.61 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 105.22% |      |
| 35) Dibromofluoromethane  | 7.88   | 113 | 102196   | 49.88 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 99.76%  |      |
| 50) Toluene-d8            | 10.32  | 98  | 428402   | 53.37 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 106.74% |      |
| 62) 4-Bromofluorobenzene  | 12.62  | 95  | 147701   | 50.69 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 101.38% |      |

## Target Compounds

|                               |      |     |         |         |      | Qvalue |
|-------------------------------|------|-----|---------|---------|------|--------|
| 2) Dichlorodifluoromethane    | 2.01 | 85  | 65659   | 53.135  | ug/l | 98     |
| 3) Chloromethane              | 2.21 | 50  | 72212   | 48.085  | ug/l | 98     |
| 4) Vinyl Chloride             | 2.36 | 62  | 95306   | 51.759  | ug/l | 97     |
| 5) Bromomethane               | 2.78 | 94  | 53172   | 53.178  | ug/l | 100    |
| 6) Chloroethane               | 2.92 | 64  | 54914   | 49.976  | ug/l | 100    |
| 7) Trichlorofluoromethane     | 3.25 | 101 | 62354   | 49.072  | ug/l | 96     |
| 8) Diethyl Ether              | 3.68 | 74  | 57877   | 54.194  | ug/l | 99     |
| 9) 1,1,2-Trichlorotrifluoroet | 4.06 | 101 | 105848  | 53.082  | ug/l | 99     |
| 10) Methyl Iodide             | 4.27 | 142 | 127309  | 50.716  | ug/l | 100    |
| 11) Tert butyl alcohol        | 5.20 | 59  | 50648   | 259.921 | ug/l | 97     |
| 12) 1,1-Dichloroethene        | 4.04 | 96  | 97552   | 51.824  | ug/l | 96     |
| 13) Acrolein                  | 3.89 | 56  | 49281   | 238.324 | ug/l | 100    |
| 14) Allyl chloride            | 4.67 | 41  | 207334  | 53.245  | ug/l | 100    |
| 15) Acrylonitrile             | 5.37 | 53  | 165850  | 265.884 | ug/l | 99     |
| 16) Acetone                   | 4.13 | 43  | 186814  | 269.063 | ug/l | 96     |
| 17) Carbon Disulfide          | 4.38 | 76  | 205393  | 51.405  | ug/l | 99     |
| 18) Methyl Acetate            | 4.67 | 43  | 83361   | 51.174  | ug/l | 98     |
| 19) Methyl tert-butyl Ether   | 5.42 | 73  | 198525  | 53.179  | ug/l | 97     |
| 20) Methylene Chloride        | 4.91 | 84  | 105038  | 48.356  | ug/l | 96     |
| 21) trans-1,2-Dichloroethene  | 5.42 | 96  | 100763  | 52.462  | ug/l | 95     |
| 22) Diisopropyl ether         | 6.31 | 45  | 408238  | 52.859  | ug/l | 95     |
| 23) Vinyl Acetate             | 6.25 | 43  | 1354396 | 276.719 | ug/l | 99     |
| 24) 1,1-Dichloroethane        | 6.21 | 63  | 221410  | 53.244  | ug/l | 99     |
| 25) 2-Butanone                | 7.17 | 43  | 248535  | 243.652 | ug/l | 99     |
| 26) 2,2-Dichloropropane       | 7.16 | 77  | 139671  | 53.179  | ug/l | 99     |
| 27) cis-1,2-Dichloroethene    | 7.17 | 96  | 117968  | 52.971  | ug/l | 99     |
| 28) Bromochloromethane        | 7.51 | 49  | 104471  | 54.713  | ug/l | 99     |
| 29) Tetrahydrofuran           | 7.53 | 42  | 149085  | 265.897 | ug/l | 100    |
| 30) Chloroform                | 7.67 | 83  | 213694  | 51.852  | ug/l | 100    |
| 31) Cyclohexane               | 7.95 | 56  | 182921  | 48.861  | ug/l | 94     |
| 32) 1,1,1-Trichloroethane     | 7.87 | 97  | 173876  | 52.048  | ug/l | 100    |
| 36) 1,1-Dichloropropene       | 8.08 | 75  | 159265  | 52.013  | ug/l | 99     |
| 37) Ethyl Acetate             | 7.25 | 43  | 100382  | 51.426  | ug/l | 98     |
| 38) Carbon Tetrachloride      | 8.07 | 117 | 160924  | 53.314  | ug/l | 99     |

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 ALS Vial : 10 Sample Multiplier: 1

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 MSVOA\_W  
 ClientSampleId :  
 VSTDCCC050

Manual Integrations  
 APPROVED

MMDadoda  
 9/10/2019 1:02:49 PM

Quant Time: Sep 08 05:23:14 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W090719S.M  
 Quant Title : SW846 8260  
 QLast Update : Sun Sep 08 05:04:40 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc     | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|----------|--------|----------|
| 39) Methylcyclohexane          | 9.34  | 83   | 177439   | 51.595   | ug/l   | 99       |
| 40) Benzene                    | 8.32  | 78   | 443939   | 52.255   | ug/l   | 100      |
| 41) Methacrylonitrile          | 7.48  | 41   | 61947    | 46.940   | ug/l   | 97       |
| 42) 1,2-Dichloroethane         | 8.40  | 62   | 152863   | 51.126   | ug/l   | 100      |
| 43) Isopropyl Acetate          | 8.42  | 43   | 191807   | 51.866   | ug/l   | 100      |
| 44) Trichloroethene            | 9.09  | 130  | 114045   | 52.077   | ug/l   | 92       |
| 45) 1,2-Dichloropropane        | 9.37  | 63   | 124697   | 52.921   | ug/l   | 98       |
| 46) Dibromomethane             | 9.46  | 93   | 58415    | 52.353   | ug/l   | 98       |
| 47) Bromodichloromethane       | 9.64  | 83   | 162233   | 52.848   | ug/l   | 99       |
| 48) Methyl methacrylate        | 9.43  | 41   | 92717    | 52.463   | ug/l   | 98       |
| 49) 1,4-Dioxane                | 9.47  | 88   | 23484    | 1065.512 | ug/l # | 73       |
| 51) 4-Methyl-2-Pentanone       | 10.21 | 43   | 510351   | 263.000  | ug/l   | 99       |
| 52) Toluene                    | 10.38 | 92   | 279536   | 52.718   | ug/l   | 100      |
| 53) t-1,3-Dichloropropene      | 10.60 | 75   | 167935   | 53.202   | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene    | 10.07 | 75   | 191451   | 53.465   | ug/l   | 99       |
| 55) 1,1,2-Trichloroethane      | 10.79 | 97   | 87300    | 52.261   | ug/l   | 97       |
| 56) Ethyl methacrylate         | 10.65 | 69   | 126718   | 51.822   | ug/l   | 99       |
| 57) 1,3-Dichloropropane        | 10.93 | 76   | 161098   | 52.129   | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether  | 9.92  | 63   | 335659   | 258.571  | ug/l   | 100      |
| 59) 2-Hexanone                 | 10.96 | 43   | 371546   | 262.077  | ug/l   | 100      |
| 60) Dibromochloromethane       | 11.13 | 129  | 102464   | 52.155   | ug/l   | 100      |
| 61) 1,2-Dibromoethane          | 11.24 | 107  | 81174    | 53.003   | ug/l   | 100      |
| 64) Tetrachloroethene          | 10.86 | 164  | 93864    | 52.550   | ug/l   | 98       |
| 65) Chlorobenzene              | 11.66 | 112  | 291051   | 52.312   | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.73 | 131  | 107152   | 51.716   | ug/l   | 99       |
| 67) Ethyl Benzene              | 11.73 | 91   | 534607   | 51.213   | ug/l   | 98       |
| 68) m/p-Xylenes                | 11.84 | 106  | 390183   | 103.553  | ug/l   | 98       |
| 69) o-Xylene                   | 12.16 | 106  | 191964   | 54.002   | ug/l   | 98       |
| 70) Styrene                    | 12.18 | 104  | 341524   | 54.369   | ug/l   | 100      |
| 71) Bromoform                  | 12.35 | 173  | 61131    | 53.105   | ug/l # | 100      |
| 73) Isopropylbenzene           | 12.46 | 105  | 561062   | 53.454   | ug/l   | 99       |
| 74) N-amyl acetate             | 12.27 | 43   | 177825   | 53.374   | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.71 | 83   | 105762   | 50.173   | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane     | 12.77 | 75   | 88522m   | 59.155   | ug/l   |          |
| 77) Bromobenzene               | 12.74 | 156  | 124496   | 52.353   | ug/l   | 99       |
| 78) n-propylbenzene            | 12.80 | 91   | 670231   | 53.390   | ug/l   | 100      |
| 79) 2-Chlorotoluene            | 12.89 | 91   | 377989   | 52.451   | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene     | 12.94 | 105  | 468489   | 52.969   | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-buten | 12.51 | 75   | 37752    | 53.359   | ug/l   | 98       |
| 82) 4-Chlorotoluene            | 12.99 | 91   | 401715   | 52.699   | ug/l   | 100      |
| 83) tert-Butylbenzene          | 13.21 | 119  | 416677   | 53.281   | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene     | 13.25 | 105  | 463843   | 52.047   | ug/l   | 99       |
| 85) sec-Butylbenzene           | 13.38 | 105  | 570560   | 52.577   | ug/l   | 99       |
| 86) p-Isopropyltoluene         | 13.50 | 119  | 519939   | 52.454   | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene        | 13.50 | 146  | 239906   | 51.327   | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene        | 13.58 | 146  | 237391   | 51.041   | ug/l   | 99       |
| 89) n-Butylbenzene             | 13.82 | 91   | 509140   | 52.908   | ug/l   | 100      |
| 90) Hexachloroethane           | 14.09 | 117  | 92480    | 53.444   | ug/l   | 100      |
| 91) 1,2-Dichlorobenzene        | 13.87 | 146  | 217734   | 51.755   | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.48 | 75   | 19751    | 51.200   | ug/l   | 97       |

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Sample : VSTDCCC050  
Misc : 5.00G/5ML/MSVOA W/SOIL  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050

Manual Integrations  
APPROVED

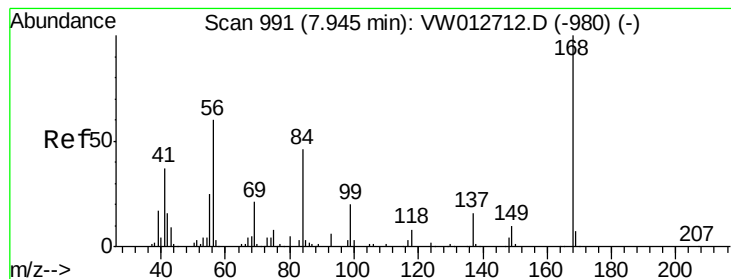
MMDadoda  
9/10/2019 1:02:49 PM

Quant Time: Sep 08 05:23:14 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W090719S.M  
Quant Title : SW846 8260  
QLast Update : Sun Sep 08 05:04:40 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 15.13 | 180  | 158208   | 54.014 | ug/l  | 99       |
| 94) Hexachlorobutadiene    | 15.24 | 225  | 100546   | 49.595 | ug/l  | 98       |
| 95) Naphthalene            | 15.36 | 128  | 302723   | 49.367 | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 15.55 | 180  | 142269   | 55.027 | ug/l  | 100      |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW012717.D

Acq: 07 Sep 2019 13:39

Instrument :

MSVOA\_W

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 227938

Ion Ratio Lower Upper

168 100

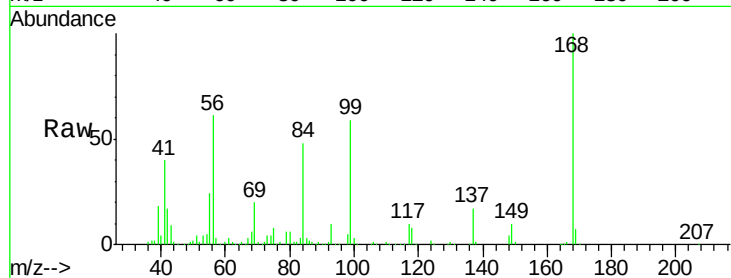
99 59.1 47.8 71.6

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

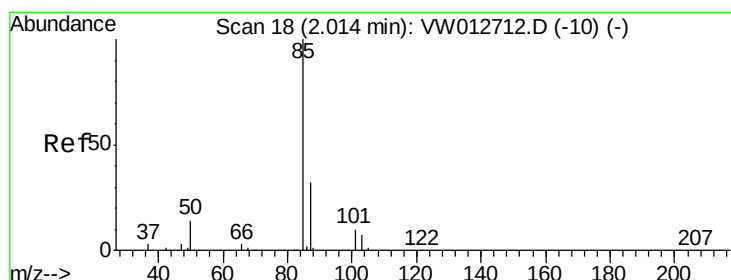
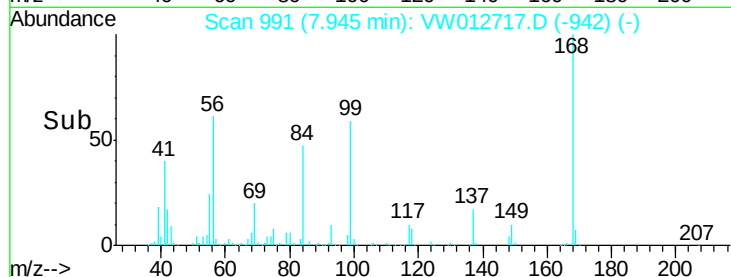
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 53.135 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW012717.D

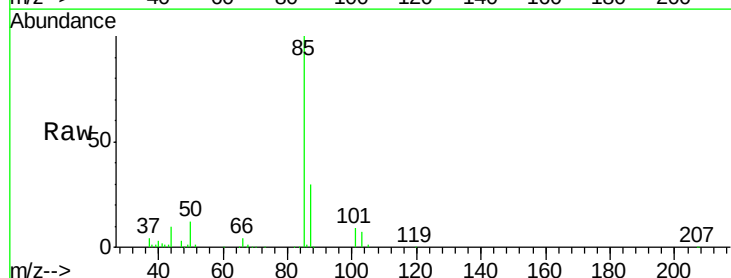
Acq: 07 Sep 2019 13:39

Tgt Ion: 85 Resp: 65659

Ion Ratio Lower Upper

85 100

87 30.4 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

25000

20000

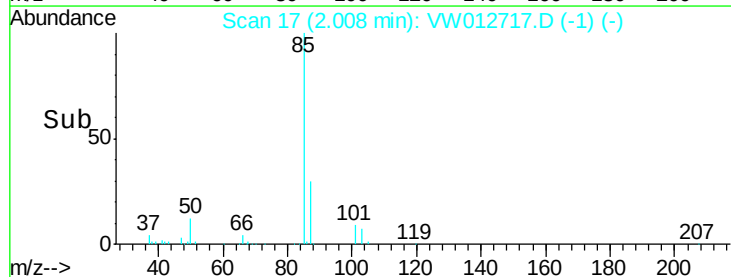
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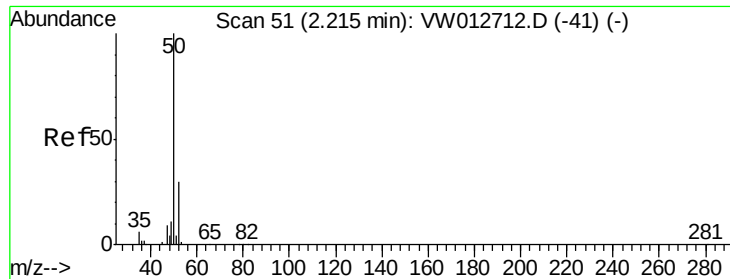
10000

5000

0

Time-->





#3

Chloromethane

Concen: 48.085 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW012717.D

Acq: 07 Sep 2019 13:39

Instrument :

MSVOA\_W

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 72212

Ion Ratio Lower Upper

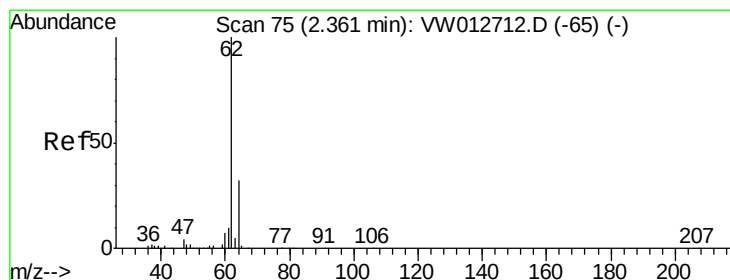
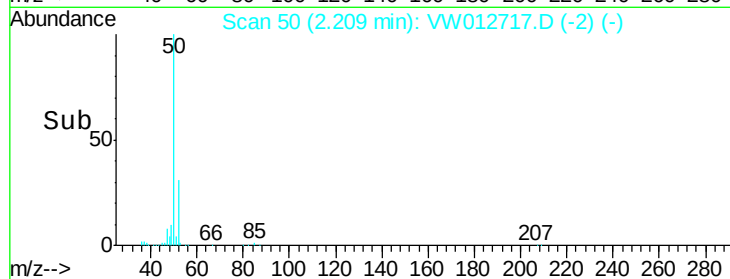
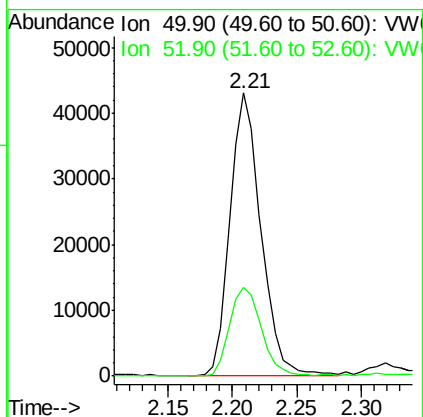
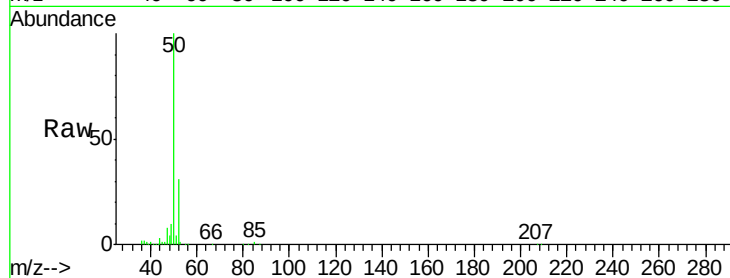
50 100

52 31.4 24.2 36.2

Manual Integrations  
APPROVED

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9/10/2019 1:02:49 PM



#4

Vinyl Chloride

Concen: 51.759 ug/l

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VW012717.D

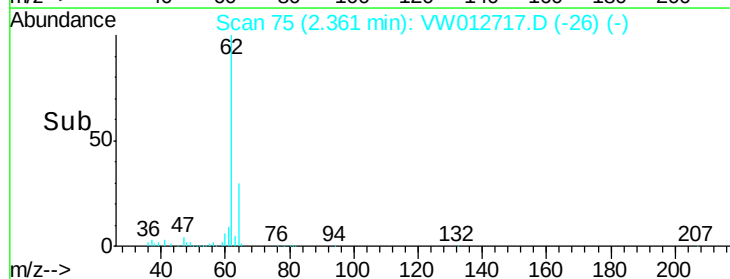
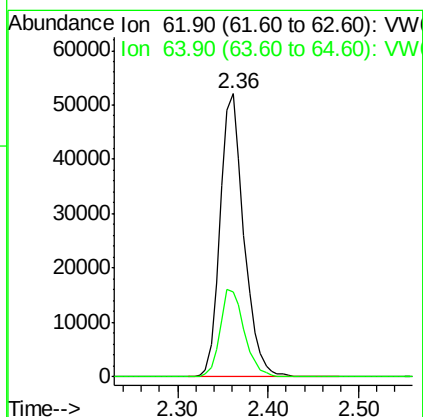
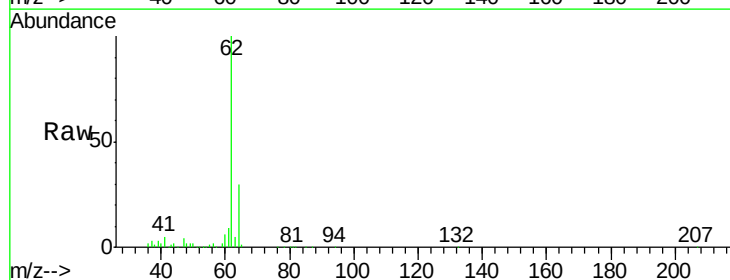
Acq: 07 Sep 2019 13:39

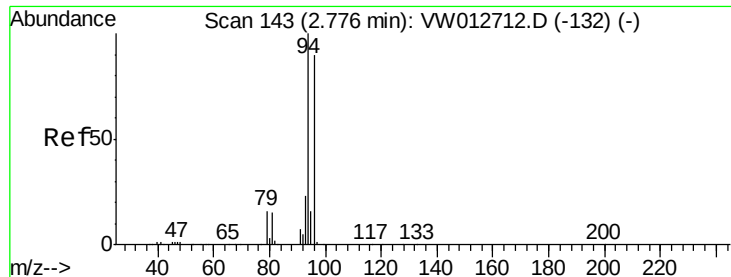
Tgt Ion: 62 Resp: 95306

Ion Ratio Lower Upper

62 100

64 30.2 25.3 37.9





#5

Bromomethane

Concen: 53.178 ug/l

RT: 2.78 min Scan# 144

Delta R.T. 0.01 min

Lab File: VW012717.D

Acq: 07 Sep 2019 13:39

Instrument :

MSVOA\_W

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 53172

Ion Ratio Lower Upper

94 100

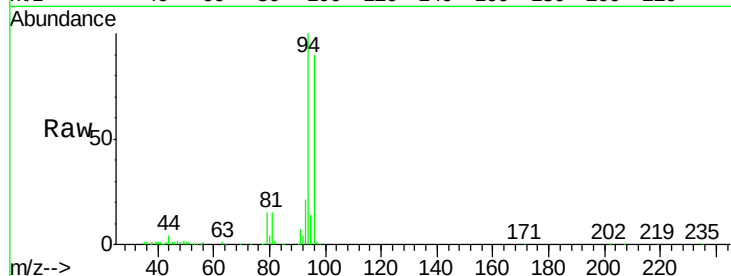
96 90.0 72.1 108.1

Manual Integrations

APPROVED

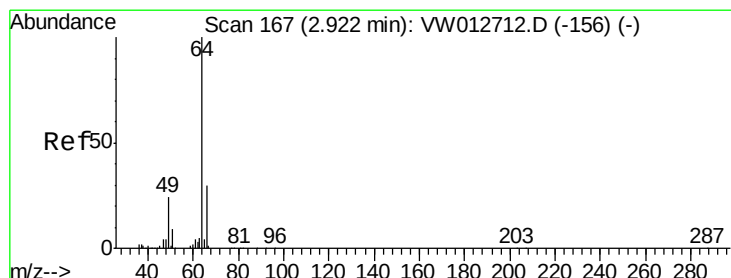
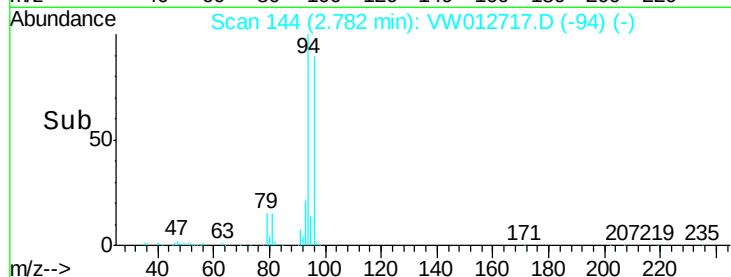
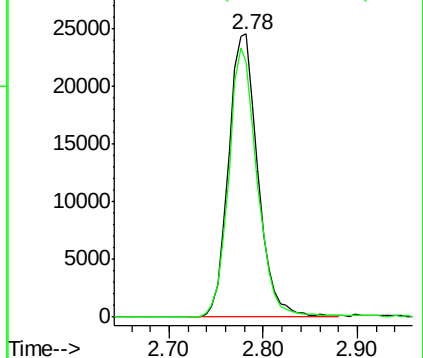
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Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 49.976 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.01 min

Lab File: VW012717.D

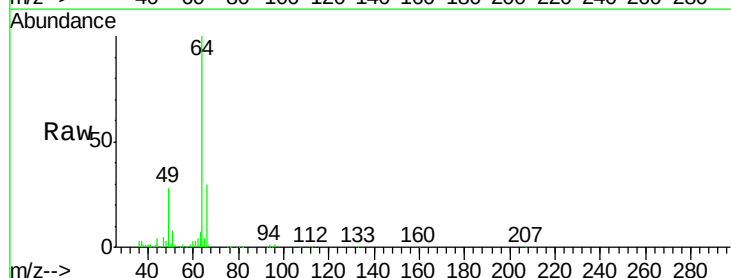
Acq: 07 Sep 2019 13:39

Tgt Ion: 64 Resp: 54914

Ion Ratio Lower Upper

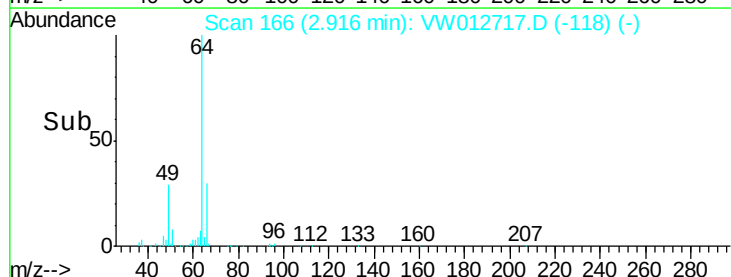
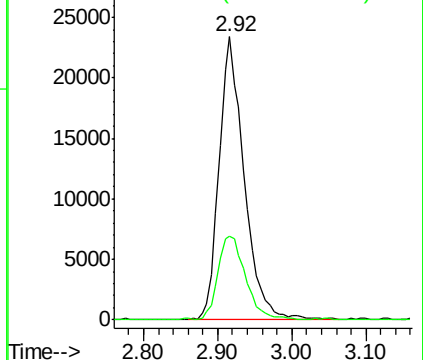
64 100

66 29.5 23.8 35.6

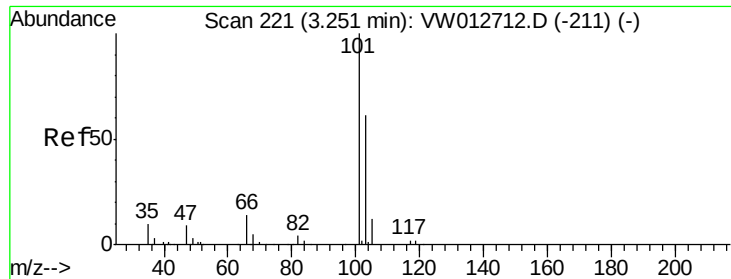


Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW







#7

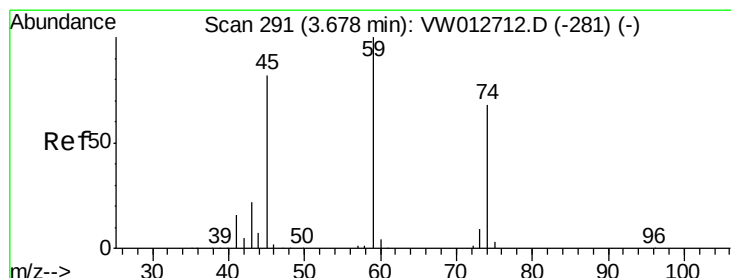
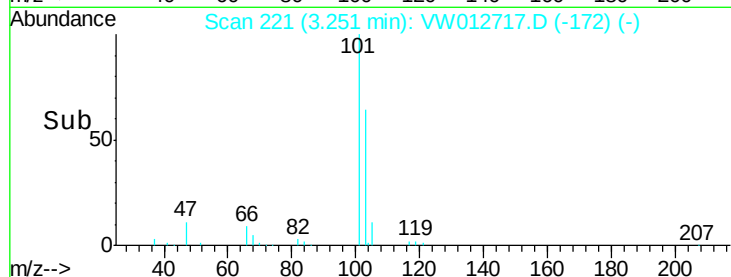
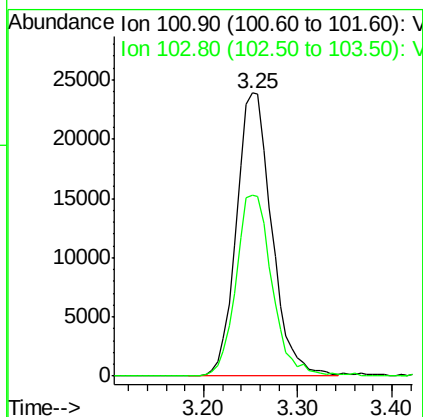
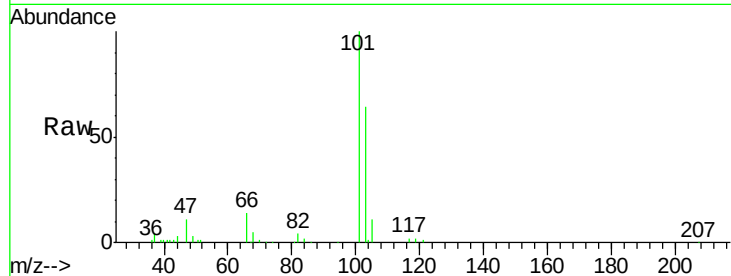
Trichlorofluoromethane  
Concen: 49.072 ug/l  
RT: 3.25 min Scan# 221  
Delta R.T. 0.00 min  
Lab File: VW012717.D  
Acq: 07 Sep 2019 13:39

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ion  | Ratio | Resp  | Lower | Upper |
|---------|------|-------|-------|-------|-------|
| 101     | 100  |       | 62354 |       |       |
| 103     | 64.1 | 49.0  | 73.4  |       |       |

Manual Integrations  
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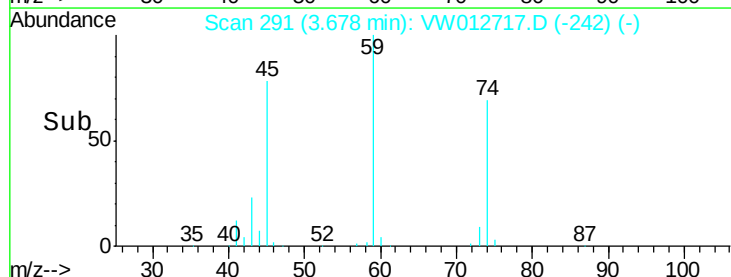
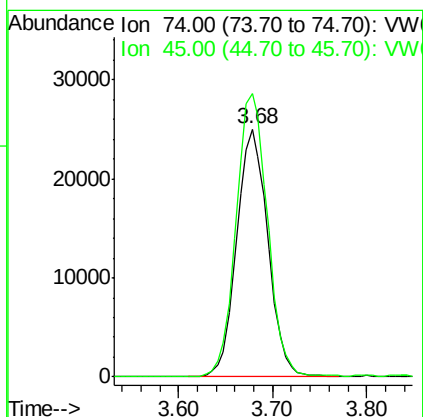
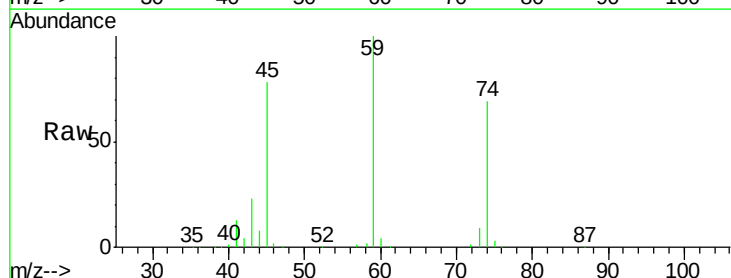
MMDadoda  
9/10/2019 1:02:49 PM



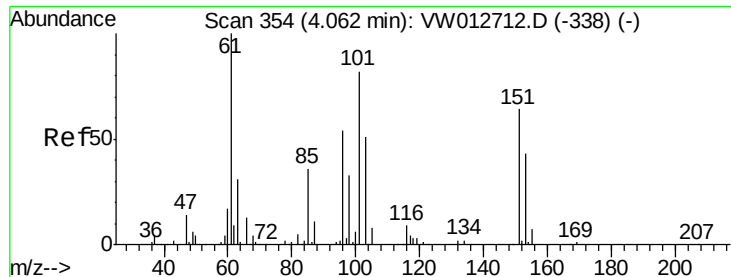
#8

Diethyl Ether  
Concen: 54.194 ug/l  
RT: 3.68 min Scan# 291  
Delta R.T. 0.00 min  
Lab File: VW012717.D  
Acq: 07 Sep 2019 13:39

| Tgt Ion | Ion   | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|-------|
| 74      | 100   |       | 57877 |       |       |
| 45      | 116.1 | 58.8  | 176.4 |       |       |







#9

1,1,2-Trichlorotrifluoroethane

Concen: 53.082 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW012717.D

Acq: 07 Sep 2019 13:39

Instrument :

MSVOA\_W

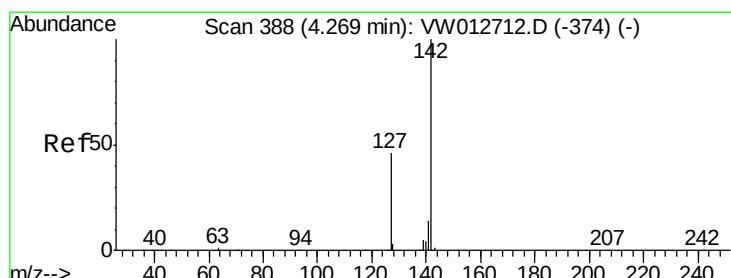
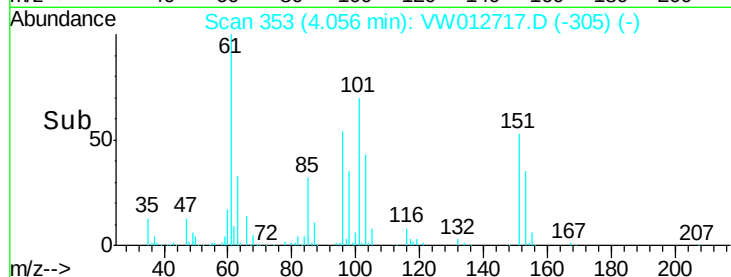
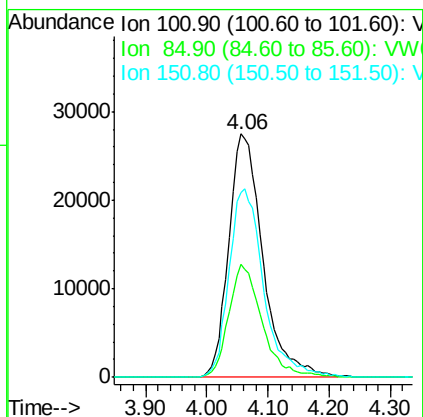
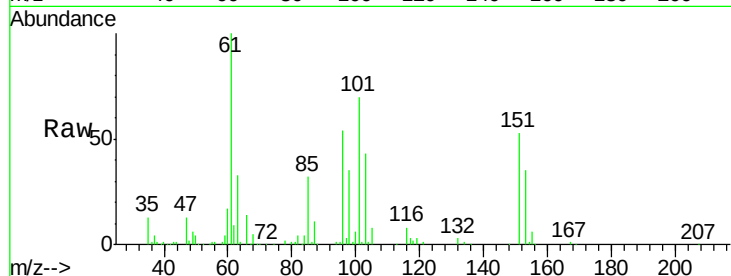
ClientSampleId :

VSTDCCC050

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 101   | Resp: | 105848 |
| Ion Ratio | Lower | Upper |        |
| 101       | 100   |       |        |
| 85        | 45.5  | 36.2  | 54.2   |
| 151       | 78.7  | 61.9  | 92.9   |

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#10

Methyl Iodide

Concen: 50.716 ug/l

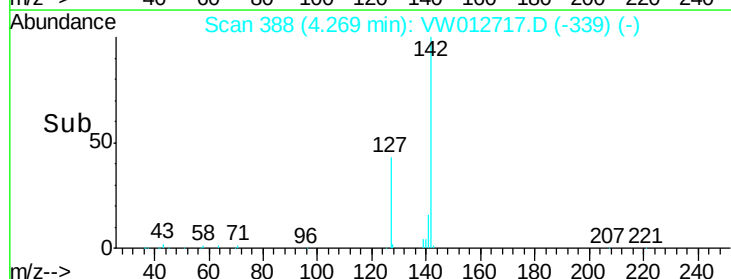
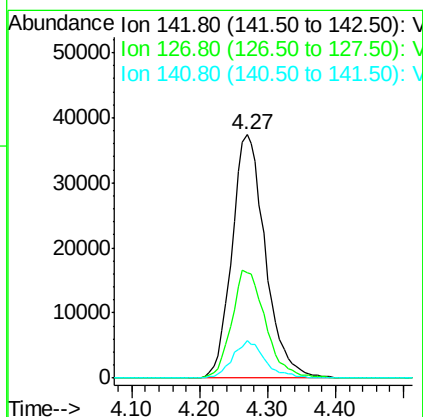
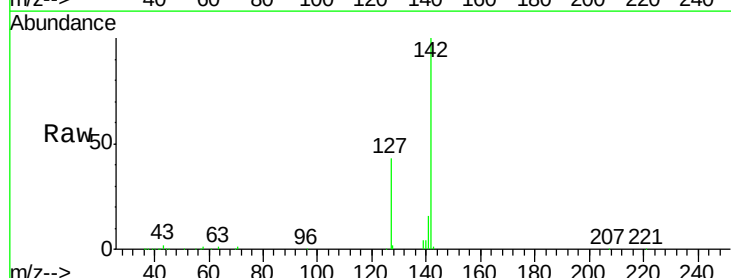
RT: 4.27 min Scan# 388

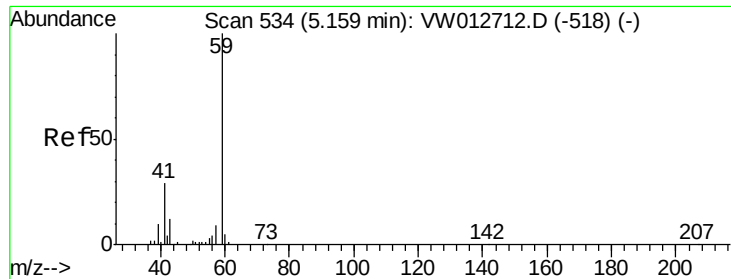
Delta R.T. 0.00 min

Lab File: VW012717.D

Acq: 07 Sep 2019 13:39

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 142   | Resp: | 127309 |
| Ion Ratio | Lower | Upper |        |
| 142       | 100   |       |        |
| 127       | 44.9  | 36.0  | 54.0   |
| 141       | 15.0  | 12.2  | 18.4   |





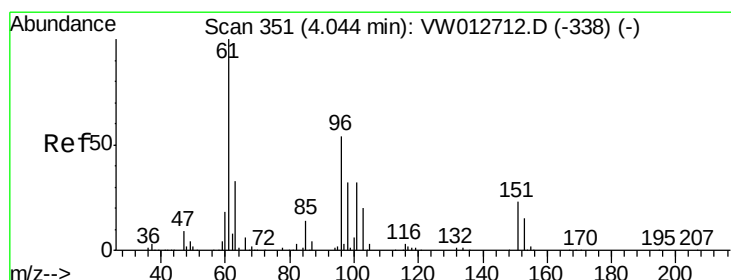
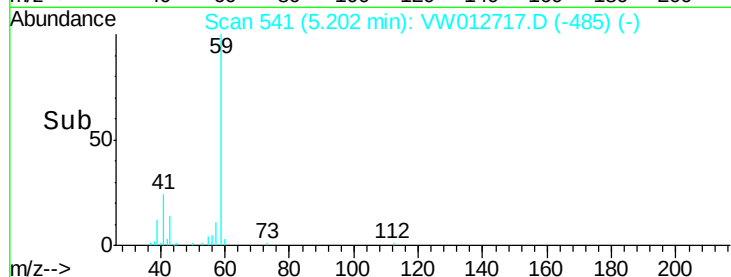
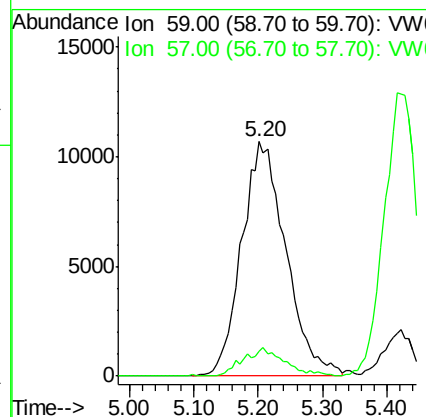
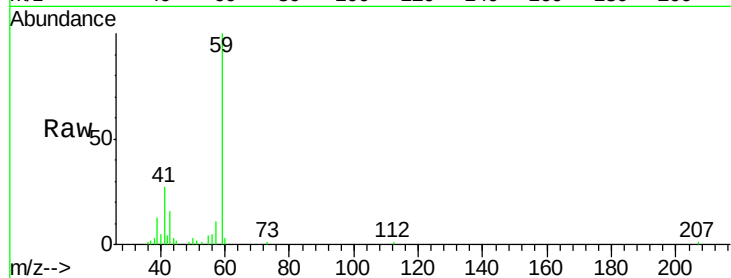
#11  
Tert butyl alcohol  
Concen: 259.921 ug/l  
RT: 5.20 min Scan# 541  
Delta R.T. 0.04 min  
Lab File: VW012717.D  
Acq: 07 Sep 2019 13:39

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 59      | 100   |       |       |
| 57      | 11.4  | 8.2   | 12.4  |

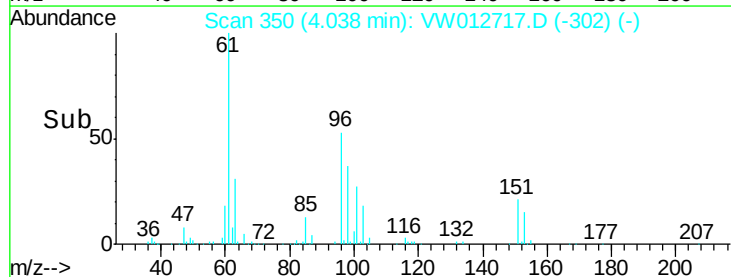
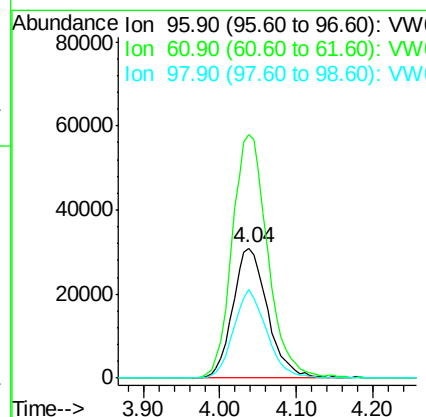
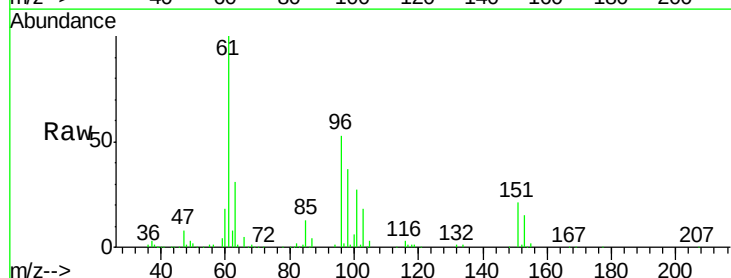
Manual Integrations  
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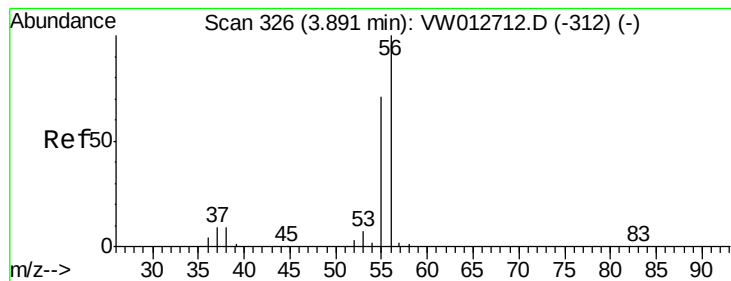
MMDadoda  
9/10/2019 1:02:49 PM



#12  
1,1-Dichloroethene  
Concen: 51.824 ug/l  
RT: 4.04 min Scan# 350  
Delta R.T. -0.01 min  
Lab File: VW012717.D  
Acq: 07 Sep 2019 13:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 187.2 | 147.8 | 221.6 |
| 98      | 68.5  | 47.9  | 71.9  |





#13

Acrolein

Concen: 238.324 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.00 min

Lab File: VW012717.D

Acq: 07 Sep 2019 13:39

Instrument :

MSVOA\_W

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 49281

Ion Ratio Lower Upper

56 100

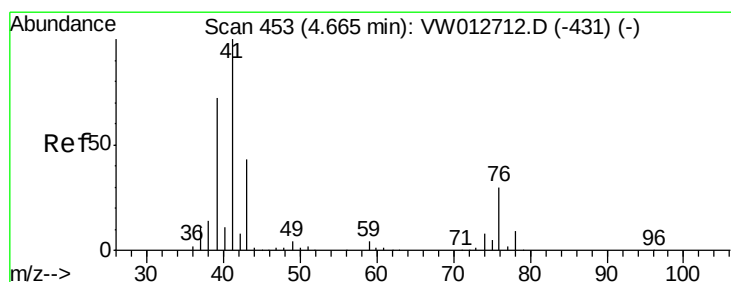
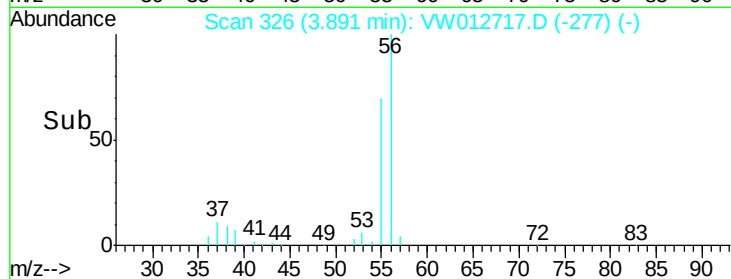
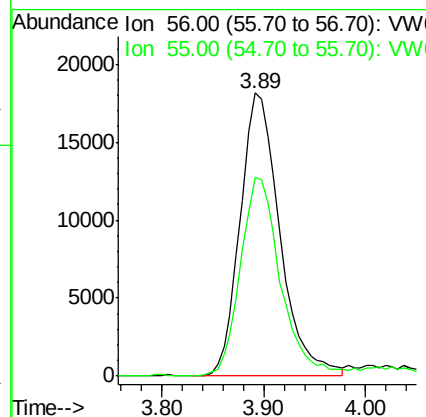
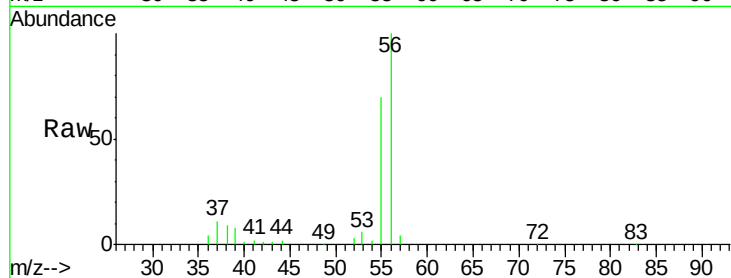
55 70.8 56.9 85.3

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#14

Allyl chloride

Concen: 53.245 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW012717.D

Acq: 07 Sep 2019 13:39

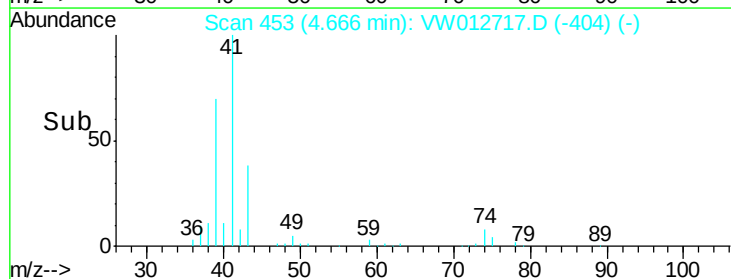
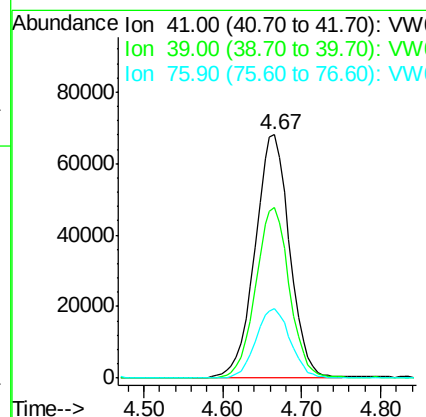
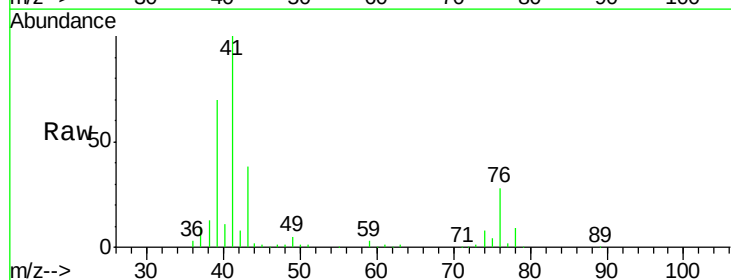
Tgt Ion: 41 Resp: 207334

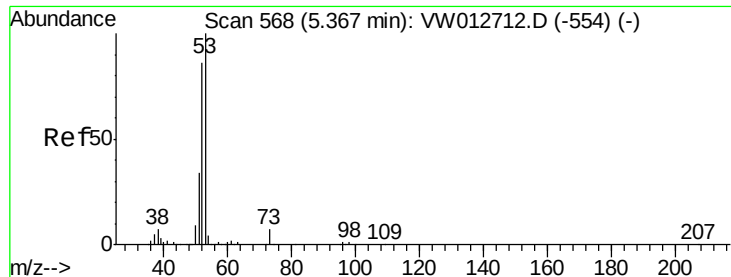
Ion Ratio Lower Upper

41 100

39 68.7 55.0 82.6

76 28.5 23.0 34.4





#15

Acrylonitrile

Concen: 265.884 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.00 min

Lab File: VW012717.D

Acq: 07 Sep 2019 13:39

Instrument :

MSVOA\_W

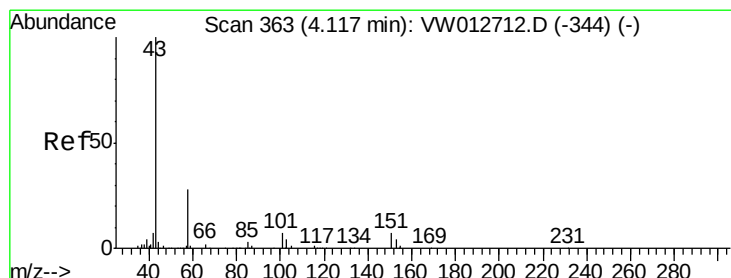
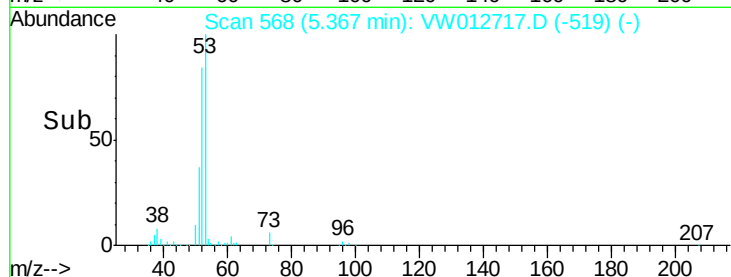
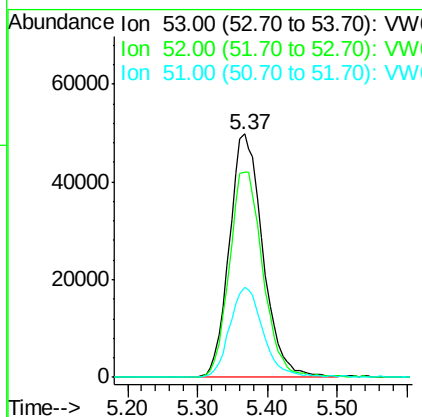
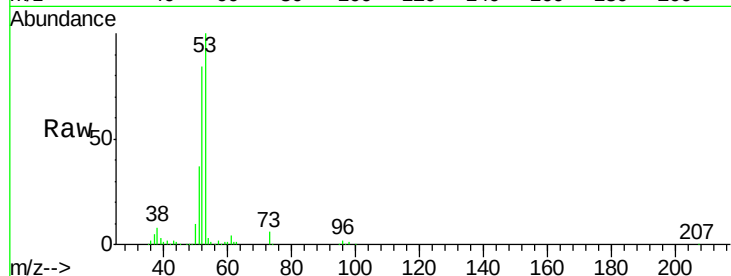
ClientSampleId :

VSTDCCC050

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 53    | Resp: | 165850 |
| Ion      | Ratio | Lower | Upper  |
| 53       | 100   |       |        |
| 52       | 84.6  | 67.0  | 100.4  |
| 51       | 37.0  | 29.8  | 44.8   |

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#16

Acetone

Concen: 269.063 ug/l

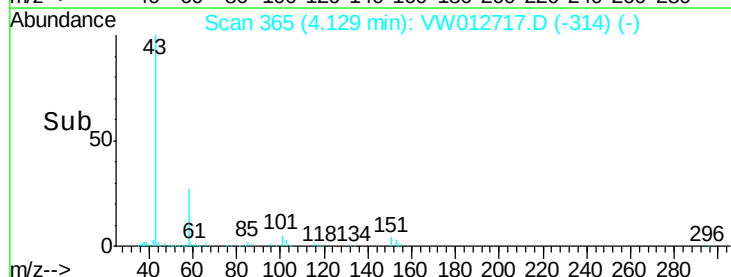
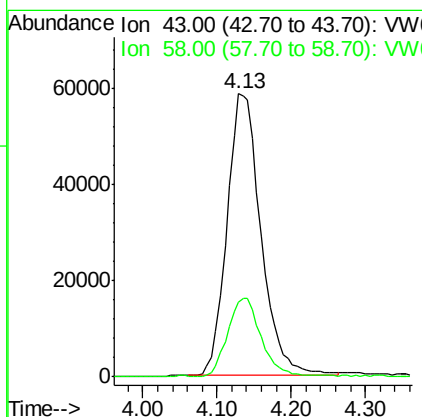
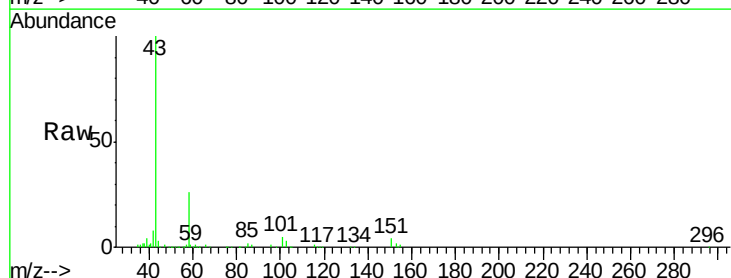
RT: 4.13 min Scan# 365

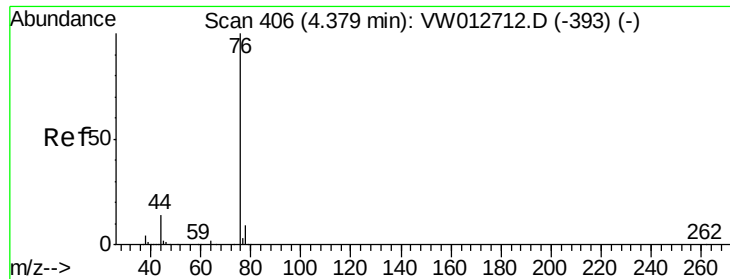
Delta R.T. 0.01 min

Lab File: VW012717.D

Acq: 07 Sep 2019 13:39

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 43    | Resp: | 186814 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 58       | 26.1  | 22.6  | 33.8   |





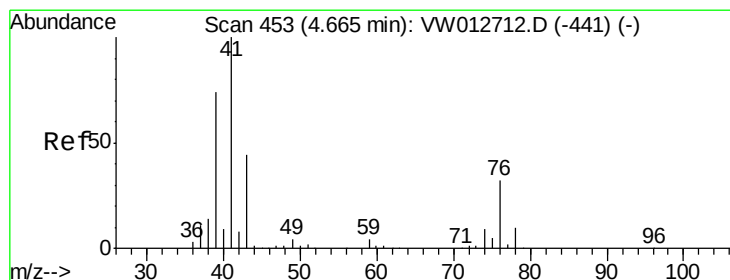
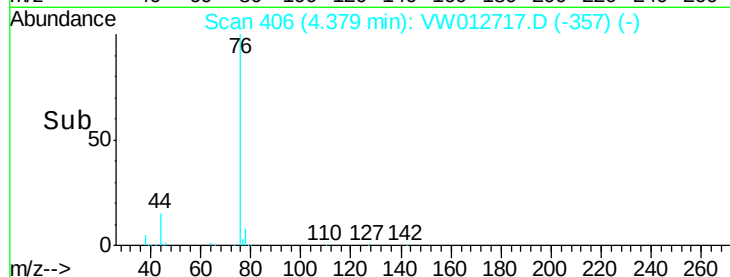
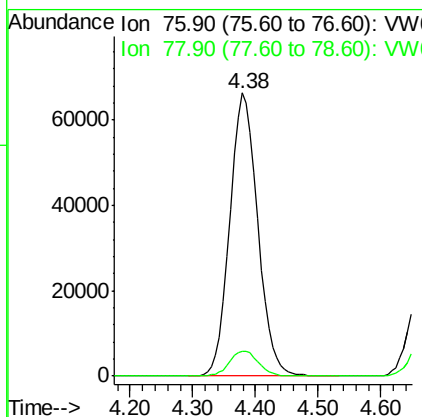
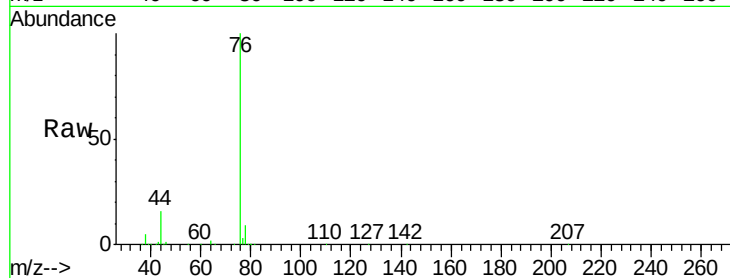
#17  
Carbon Disulfide  
Concen: 51.405 ug/l  
RT: 4.38 min Scan# 406  
Delta R.T. 0.00 min  
Lab File: VW012717.D  
Acq: 07 Sep 2019 13:39

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 8.7   | 7.2   | 10.8  |

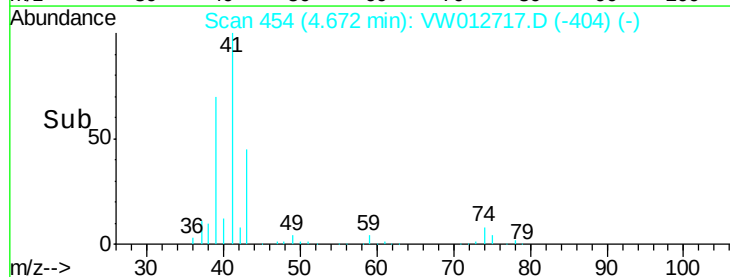
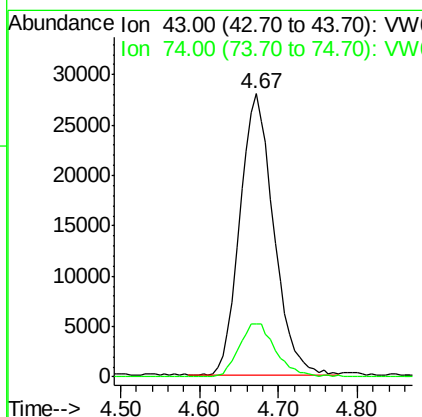
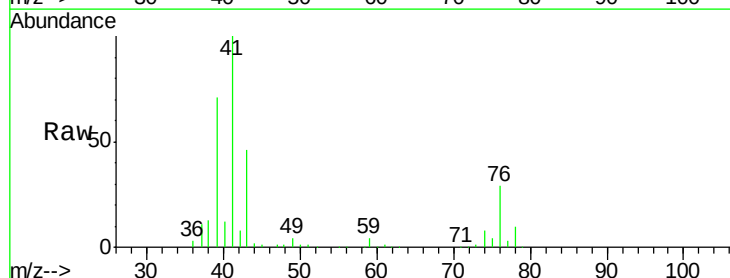
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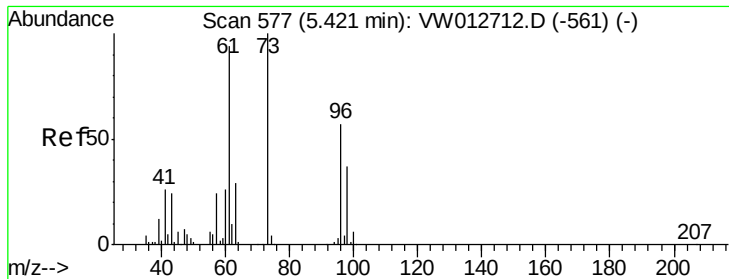
MMDadoda  
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#18  
Methyl Acetate  
Concen: 51.174 ug/l  
RT: 4.67 min Scan# 454  
Delta R.T. 0.01 min  
Lab File: VW012717.D  
Acq: 07 Sep 2019 13:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 74      | 20.5  | 15.8  | 23.6  |





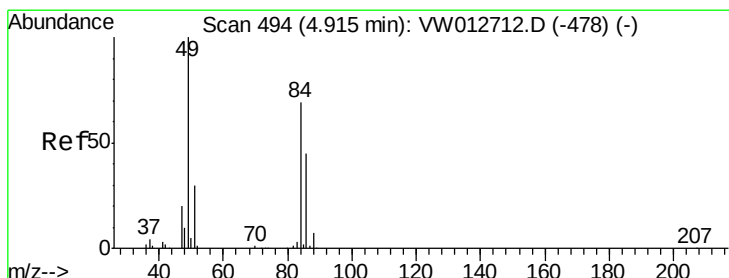
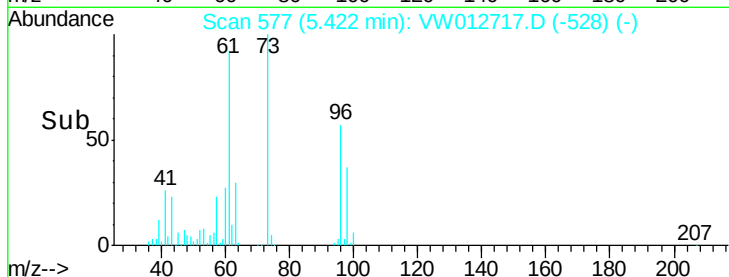
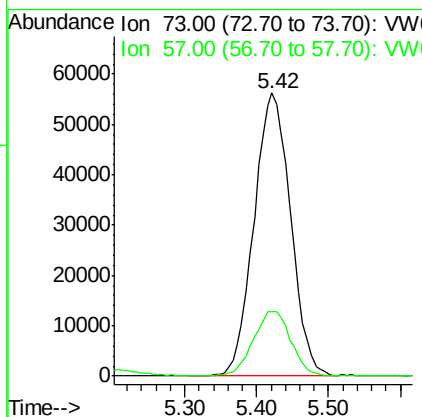
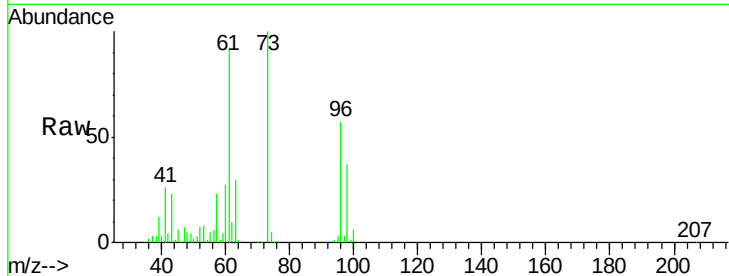
#19  
Methyl tert-butyl Ether  
Concen: 53.179 ug/l  
RT: 5.42 min Scan# 577  
Delta R.T. 0.00 min  
Lab File: VW012717.D  
Acq: 07 Sep 2019 13:39

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050

Tot Ion: 73 Resp: 198525  
Ion Ratio Lower Upper  
73 100  
57 22.7 19.2 28.8

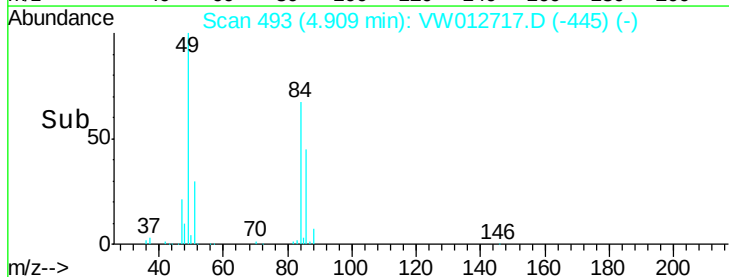
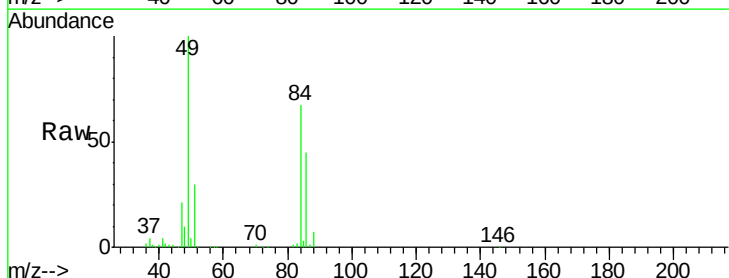
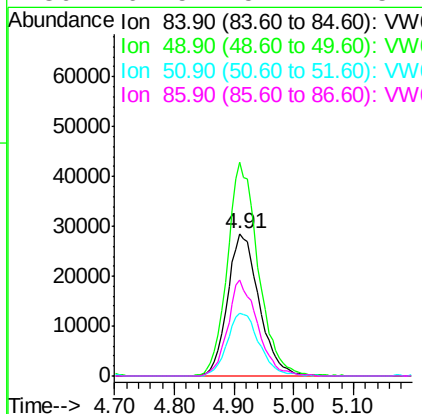
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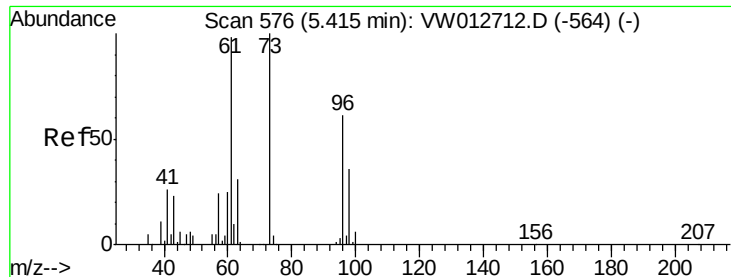
MMDadoda  
9/10/2019 1:02:49 PM



#20  
Methylene Chloride  
Concen: 48.356 ug/l  
RT: 4.91 min Scan# 493  
Delta R.T. -0.01 min  
Lab File: VW012717.D  
Acq: 07 Sep 2019 13:39

Tgt Ion: 84 Resp: 105038  
Ion Ratio Lower Upper  
84 100  
49 149.9 115.4 173.0  
51 44.5 34.9 52.3  
86 67.5 52.2 78.4





#21

trans-1,2-Dichloroethene

Concen: 52.462 ug/l

RT: 5.42 min Scan# 576

Delta R.T. 0.00 min

Lab File: VW012717.D

Acq: 07 Sep 2019 13:39

Instrument :

MSVOA\_W

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 100763

Ion Ratio Lower Upper

96 100

61 165.8 129.2 193.8

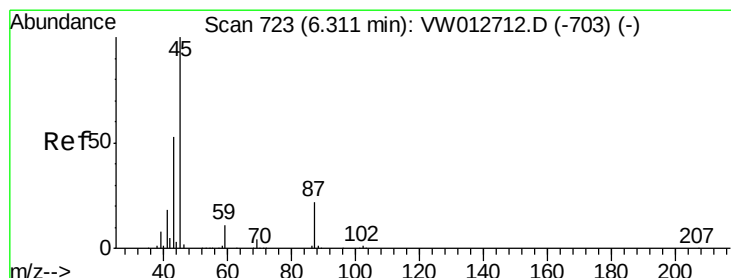
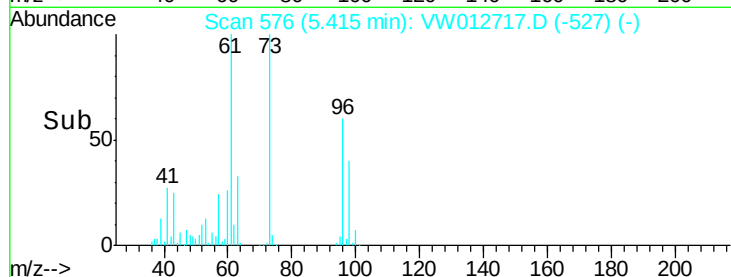
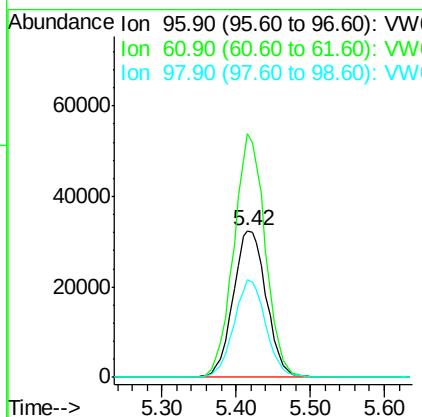
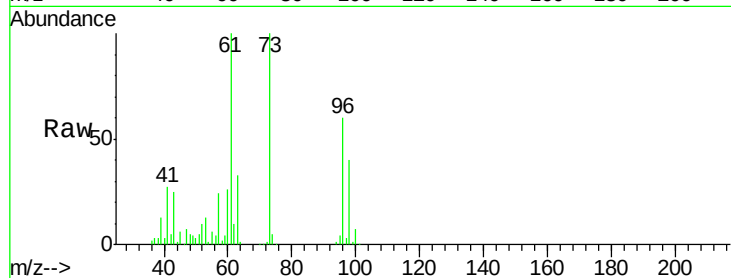
98 67.0 48.0 72.0

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#22

Diisopropyl ether

Concen: 52.859 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.01 min

Lab File: VW012717.D

Acq: 07 Sep 2019 13:39

Tgt Ion: 45 Resp: 408238

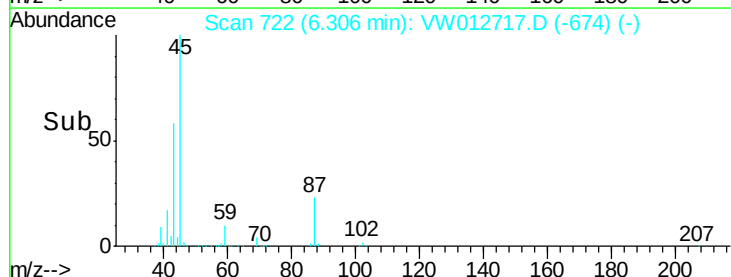
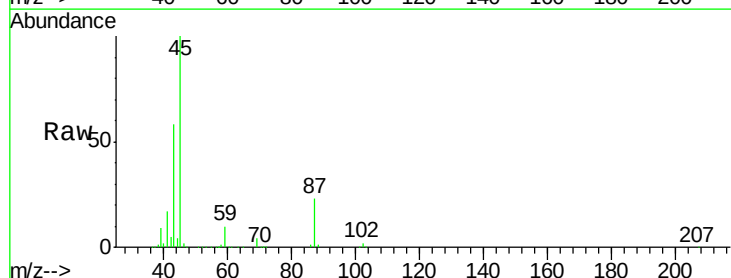
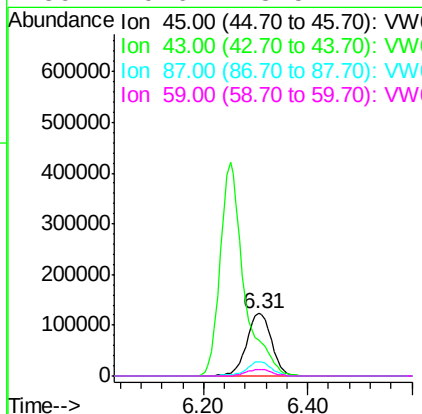
Ion Ratio Lower Upper

45 100

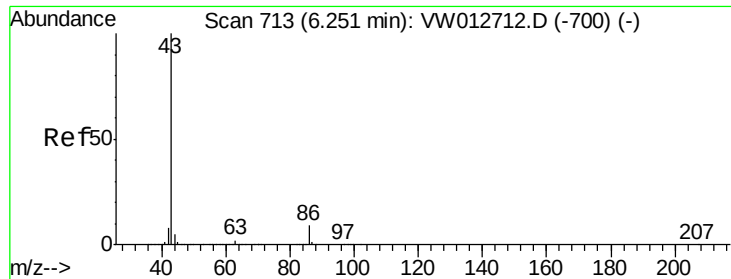
43 57.8 42.3 63.5

87 22.6 18.2 27.2

59 9.6 8.5 12.7







#23

Vinyl Acetate

Concen: 276.719 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW012717.D

Acq: 07 Sep 2019 13:39

Tot Ion: 43 Resp: 1354396

Ion Ratio Lower Upper

43 100

86 8.5 7.0 10.6

Instrument :

MSVOA\_W

ClientSampleId :

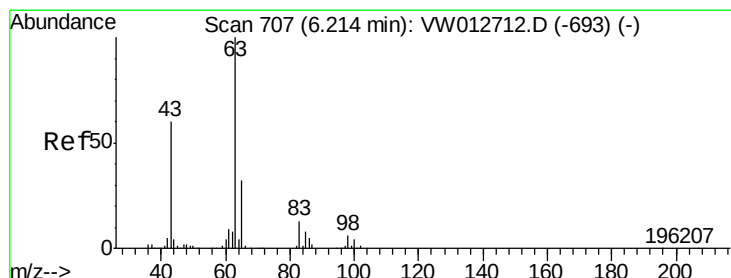
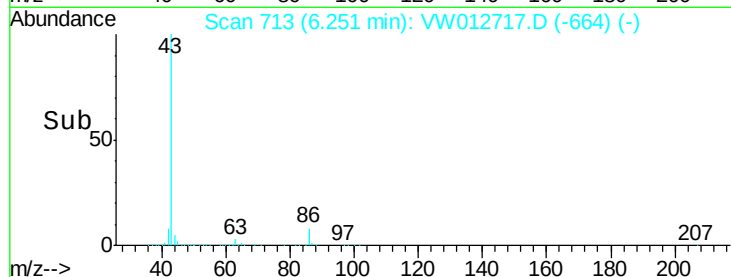
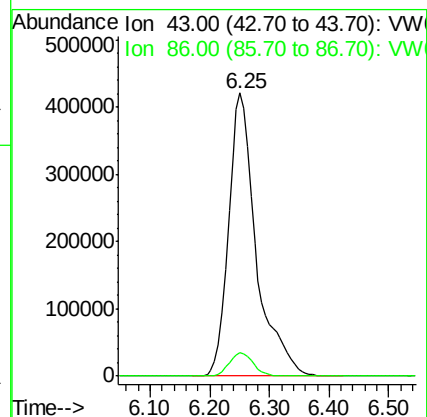
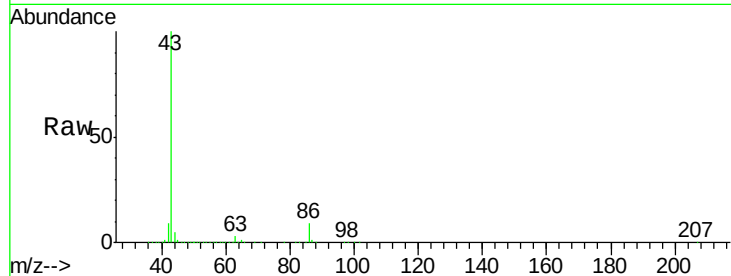
VSTDCCC050

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 53.244 ug/l

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW012717.D

Acq: 07 Sep 2019 13:39

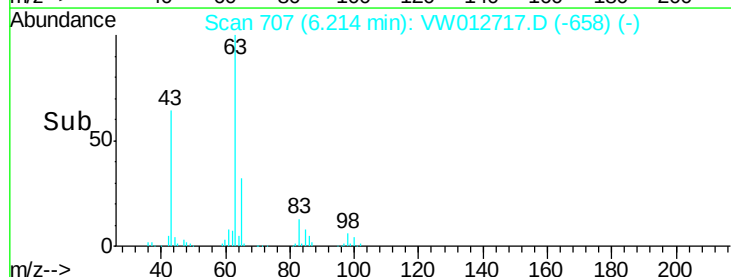
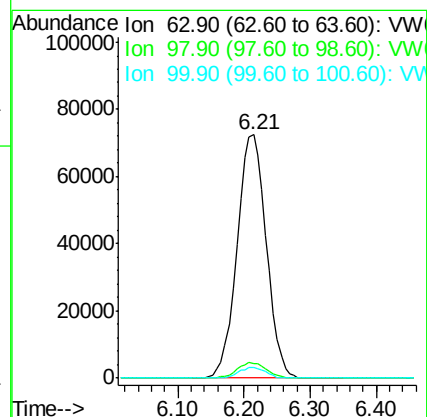
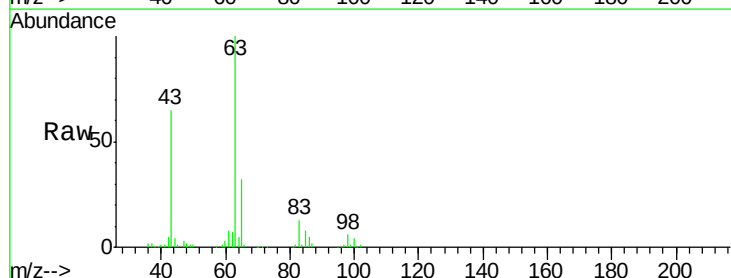
Tgt Ion: 63 Resp: 221410

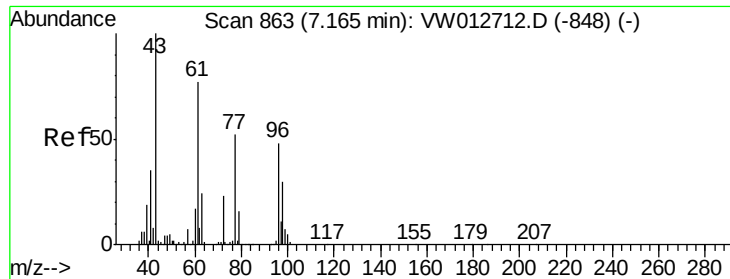
Ion Ratio Lower Upper

63 100

98 6.0 3.1 9.3

100 4.2 1.8 5.5





#25

2-Butanone

Concen: 243.652 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW012717.D

Acq: 07 Sep 2019 13:39

Instrument :

MSVOA\_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 248535

Ion Ratio Lower Upper

43 100

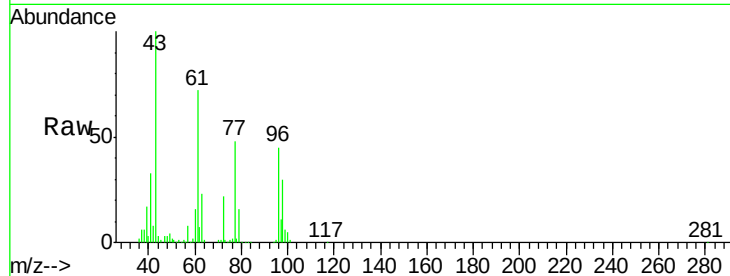
72 22.0 18.0 27.0

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

7.17

100000

80000

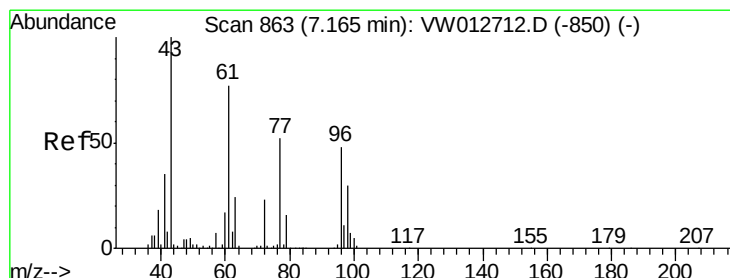
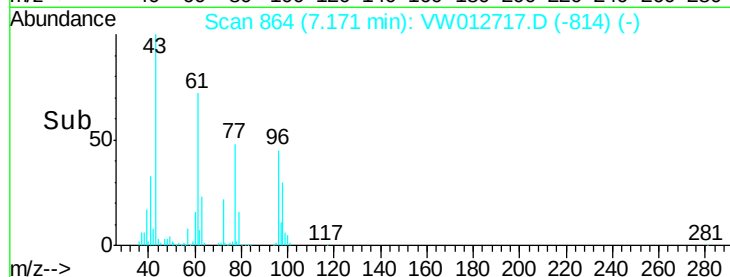
60000

40000

20000

0

Time-->



#26

2,2-Dichloropropane

Concen: 53.179 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW012717.D

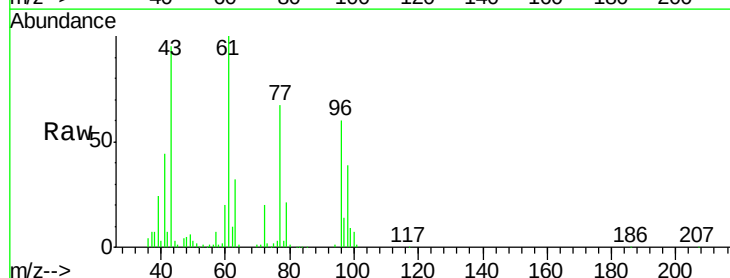
Acq: 07 Sep 2019 13:39

Tgt Ion: 77 Resp: 139671

Ion Ratio Lower Upper

77 100

97 21.8 10.7 32.1



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW

7.16

50000

40000

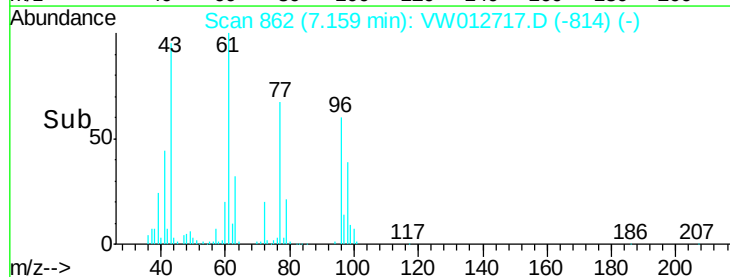
30000

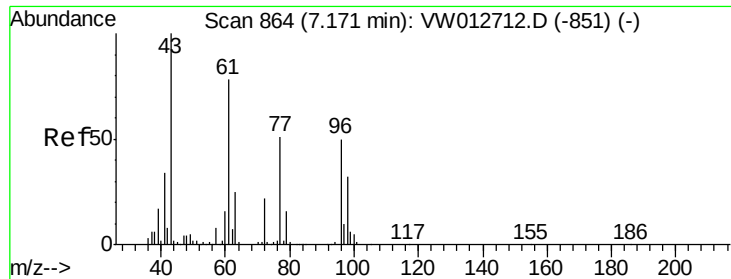
20000

10000

0

Time-->





#27

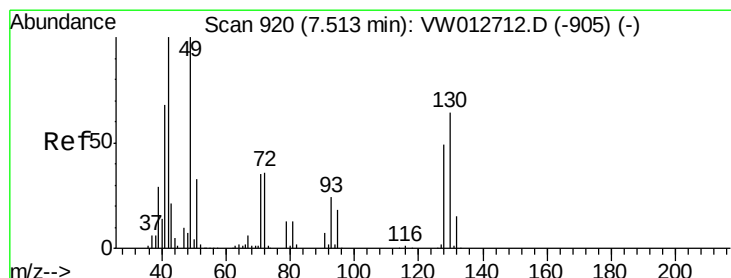
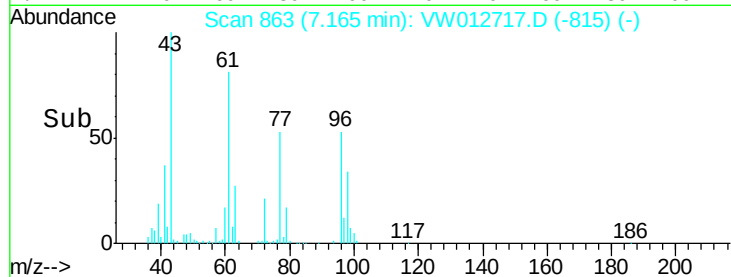
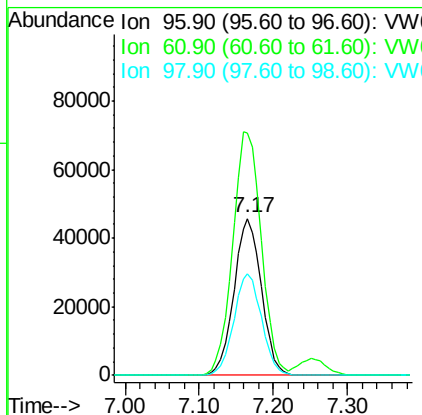
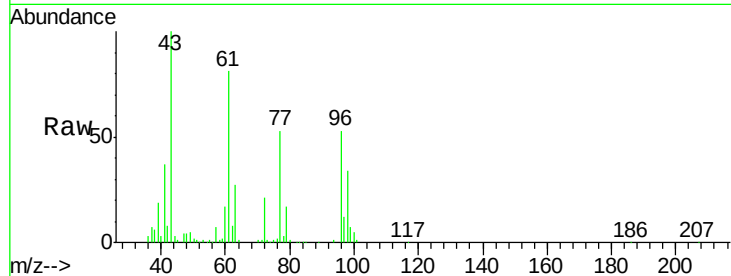
cis-1,2-Dichloroethene  
Concen: 52.971 ug/l  
RT: 7.17 min Scan# 863  
Delta R.T. -0.01 min  
Lab File: VW012717.D  
Acq: 07 Sep 2019 13:39

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 96      | 100   | 117968 |       |       |
| 61      | 161.9 | 0.0    | 325.8 |       |
| 98      | 65.7  | 0.0    | 127.0 |       |

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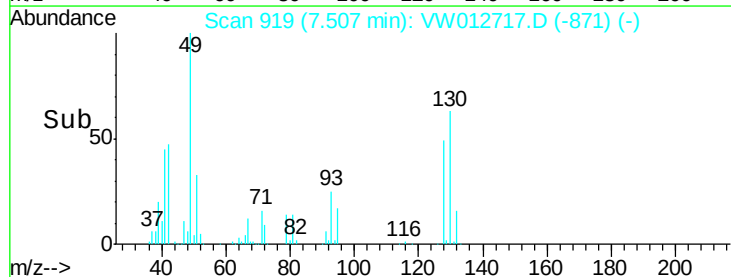
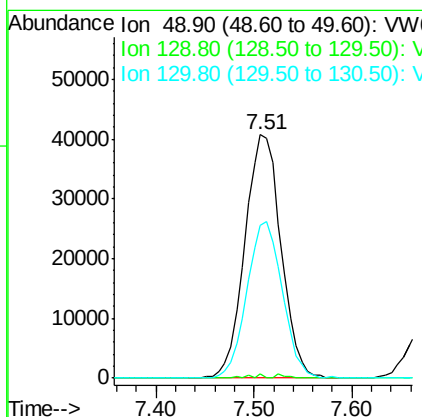
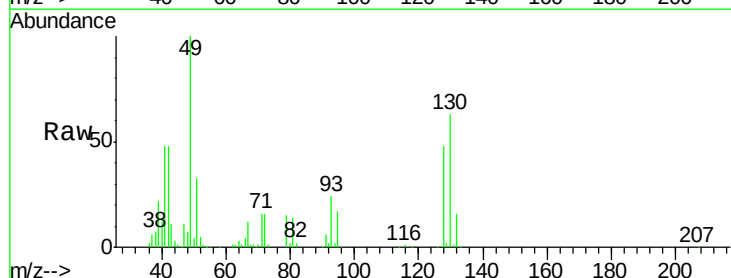
MMDadoda  
9/10/2019 1:02:49 PM

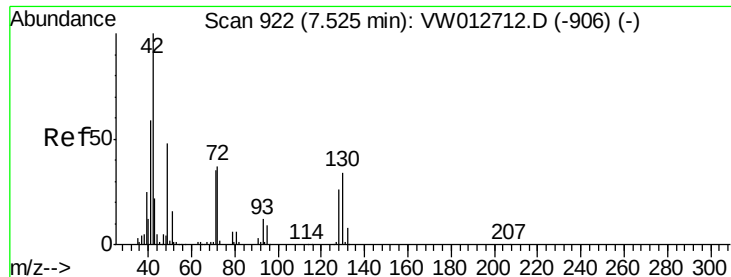


#28

Bromochloromethane  
Concen: 54.713 ug/l  
RT: 7.51 min Scan# 919  
Delta R.T. -0.01 min  
Lab File: VW012717.D  
Acq: 07 Sep 2019 13:39

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 49      | 100   | 104471 |       |       |
| 129     | 0.5   | 0.0    | 0.8   |       |
| 130     | 63.1  | 49.8   | 74.8  |       |





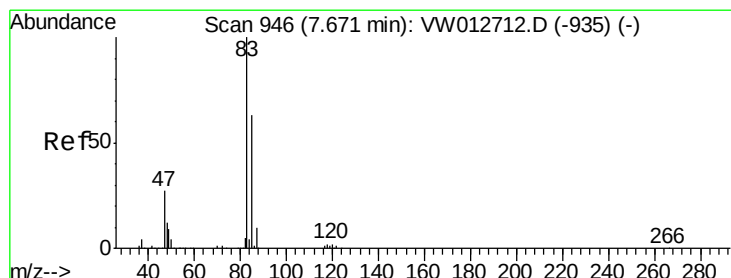
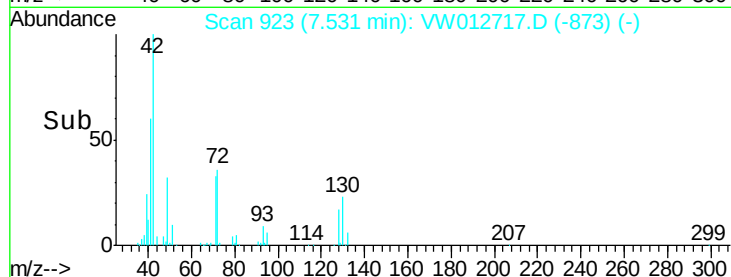
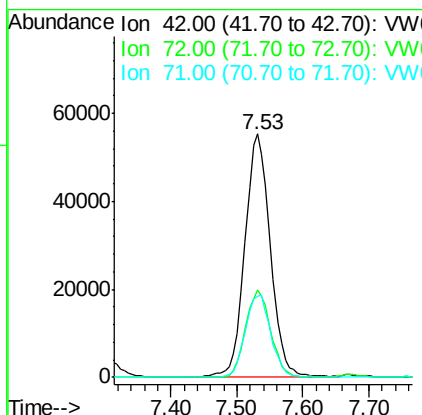
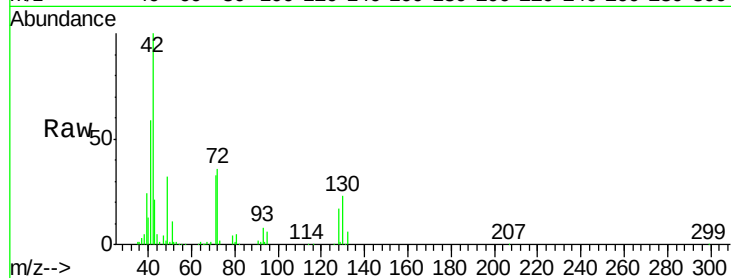
#29  
Tetrahydrofuran  
Concen: 265.897 ug/l  
RT: 7.53 min Scan# 923  
Delta R.T. 0.01 min  
Lab File: VW012717.D  
Acq: 07 Sep 2019 13:39

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 35.2  | 28.4  | 42.6  |
| 71      | 33.9  | 27.1  | 40.7  |

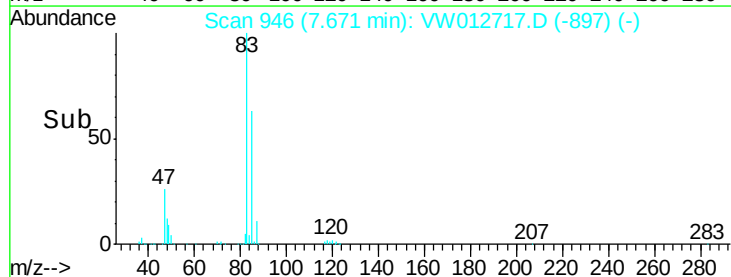
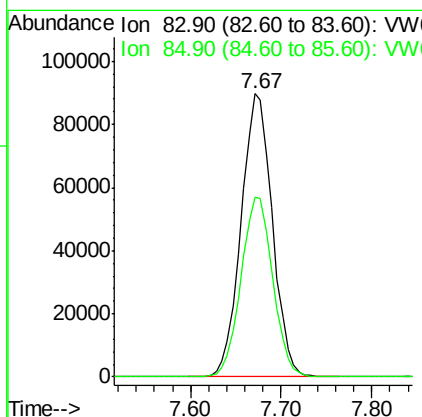
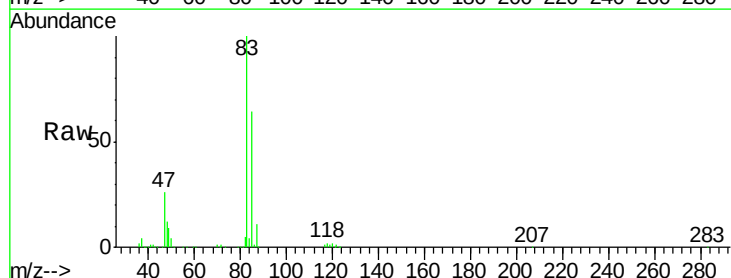
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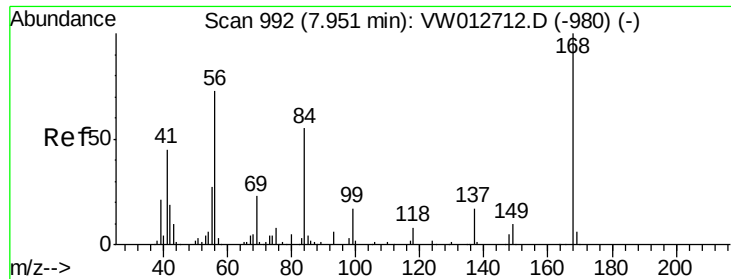
MMDadoda  
9/10/2019 1:02:49 PM



#30  
Chloroform  
Concen: 51.852 ug/l  
RT: 7.67 min Scan# 946  
Delta R.T. 0.00 min  
Lab File: VW012717.D  
Acq: 07 Sep 2019 13:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 63.5  | 50.6  | 76.0  |





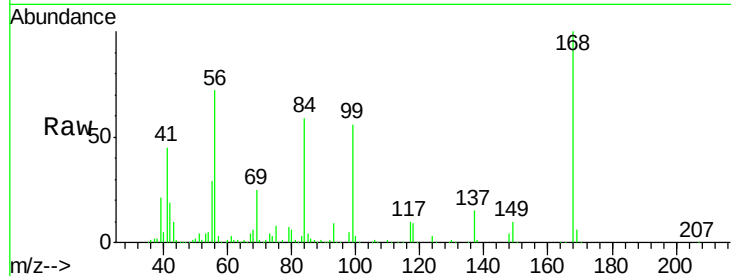
#31  
Cyclohexane  
Concen: 48.861 ug/l  
RT: 7.95 min Scan# 992  
Delta R.T. 0.00 min  
Lab File: VW012717.D  
Acq: 07 Sep 2019 13:39

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 69      | 34.2  | 25.7  | 38.5  |
| 84      | 81.2  | 60.4  | 90.6  |

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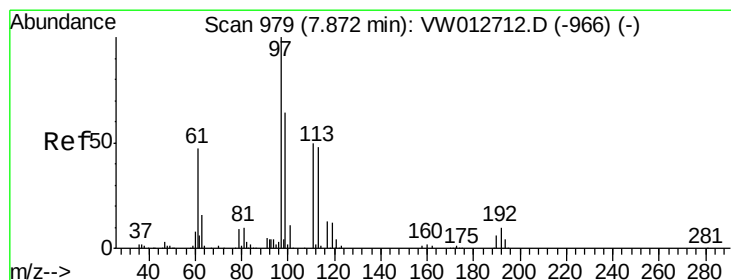
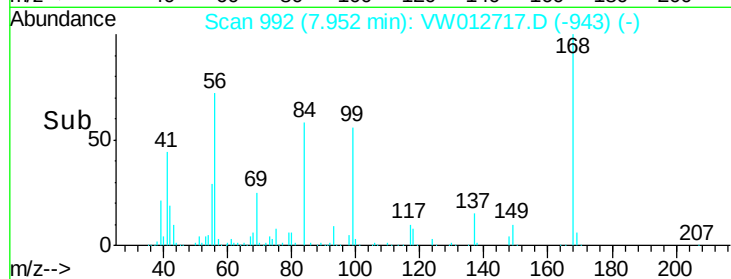
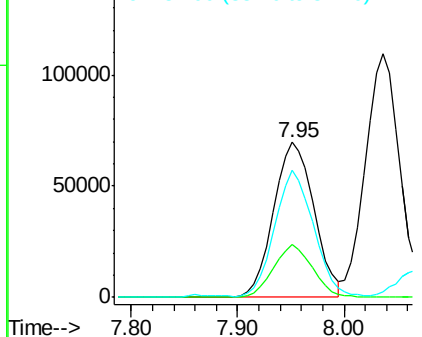


Abundance

Ion 56.00 (55.70 to 56.70): VW

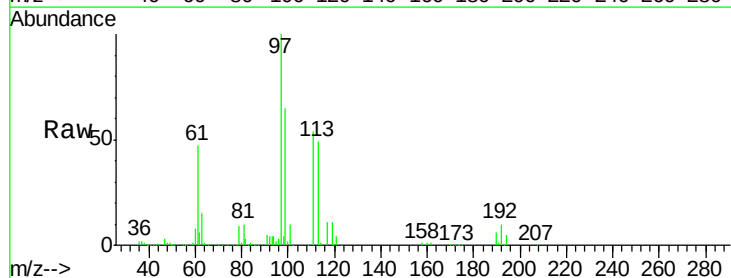
Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW



#32  
1,1,1-Trichloroethane  
Concen: 52.048 ug/l  
RT: 7.87 min Scan# 979  
Delta R.T. 0.00 min  
Lab File: VW012717.D  
Acq: 07 Sep 2019 13:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 99      | 64.6  | 51.5  | 77.3  |
| 61      | 47.3  | 37.9  | 56.9  |

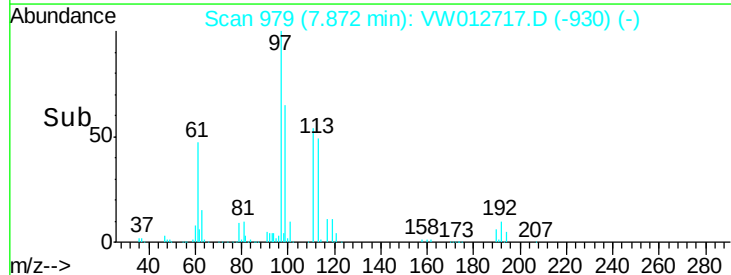
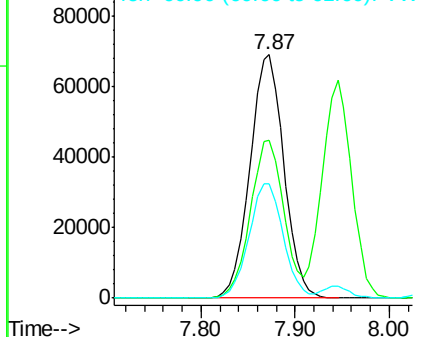


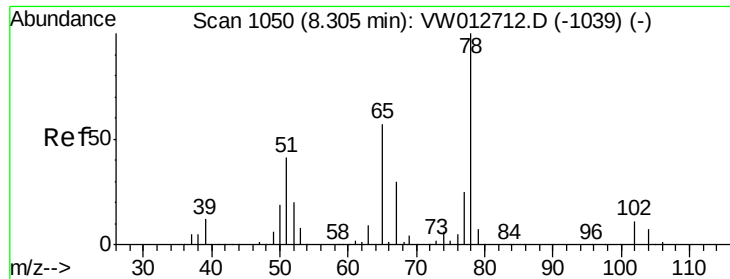
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 98.90 (98.60 to 99.60): VW

Ion 60.90 (60.60 to 61.60): VW





#33

1,2-Dichloroethane-d4

Concen: 52.611 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW012717.D

Acq: 07 Sep 2019 13:39

Instrument :

MSVOA\_W

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 133992

Ion Ratio Lower Upper

65 100

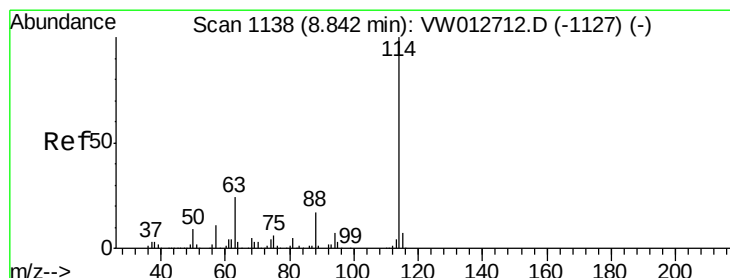
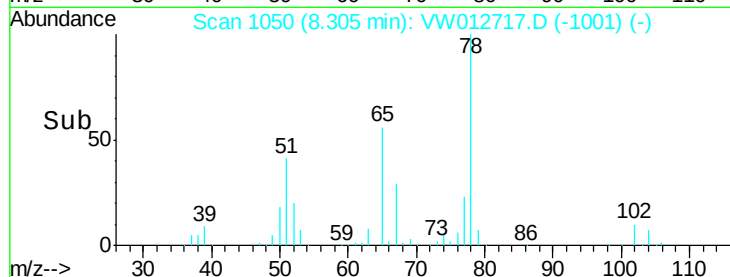
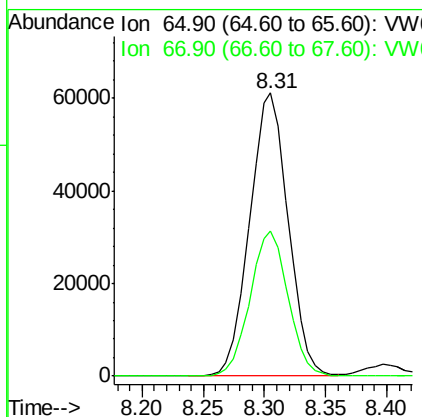
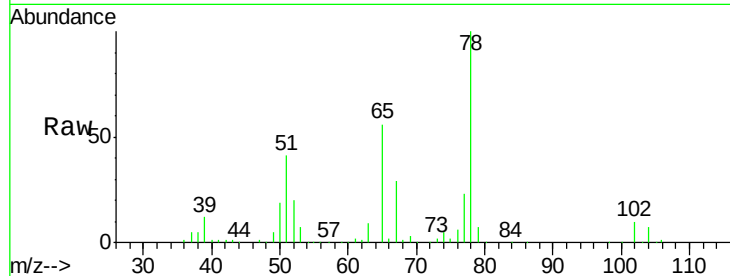
67 50.6 0.0 101.8

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW012717.D

Acq: 07 Sep 2019 13:39

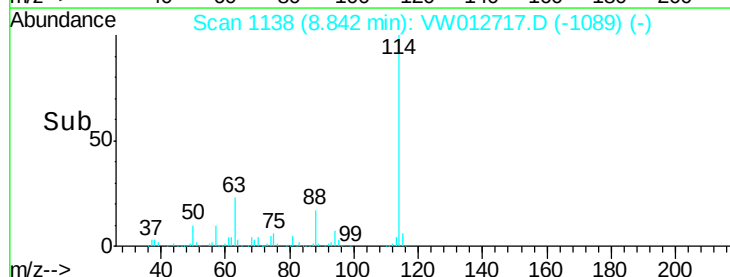
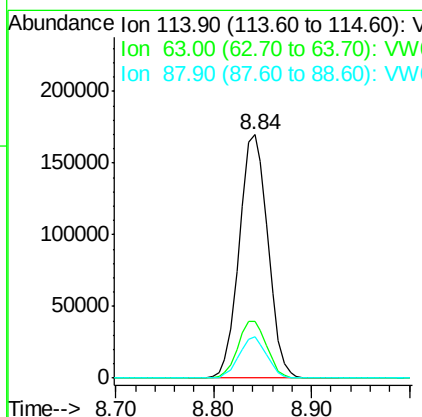
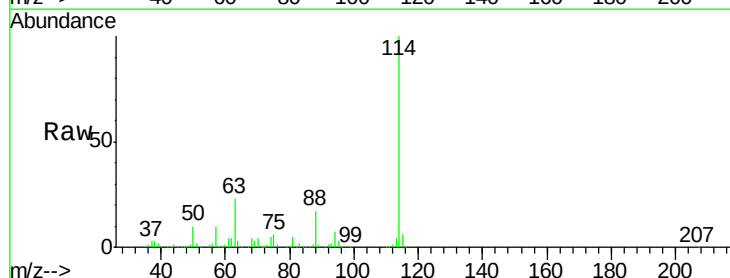
Tgt Ion: 114 Resp: 344618

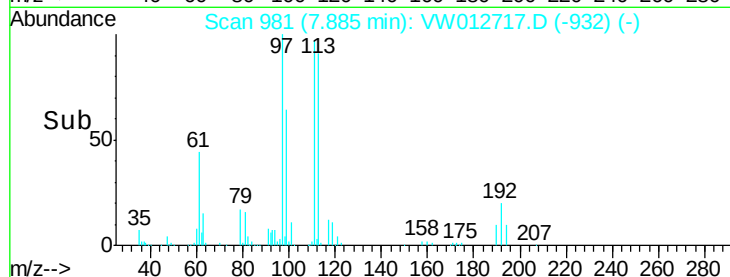
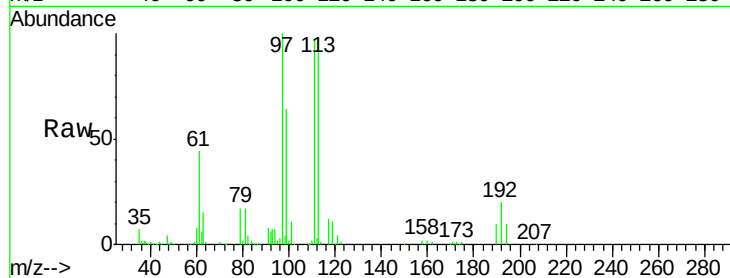
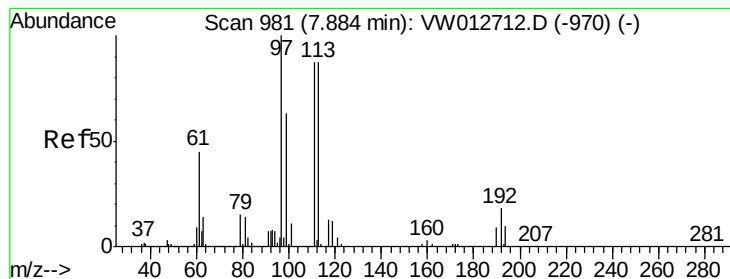
Ion Ratio Lower Upper

114 100

63 23.1 0.0 47.2

88 17.0 0.0 34.0





#35

Dibromofluoromethane

Concen: 49.880 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW012717.D

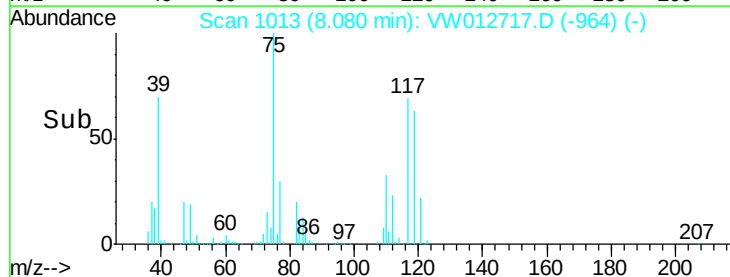
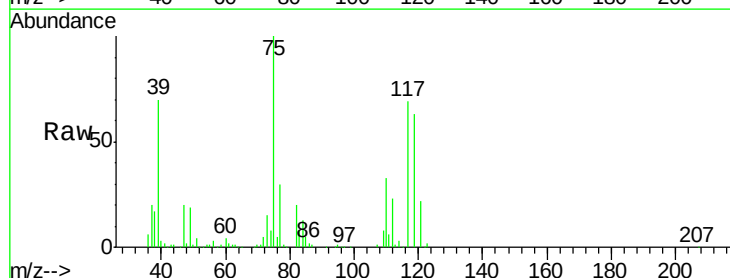
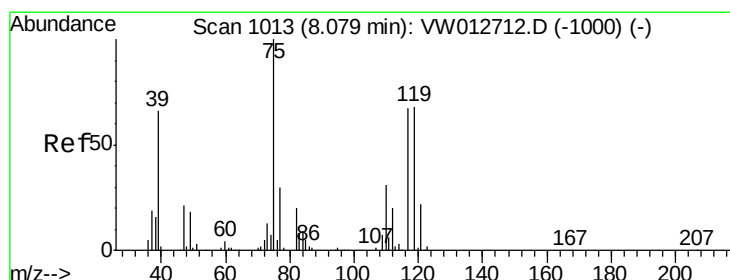
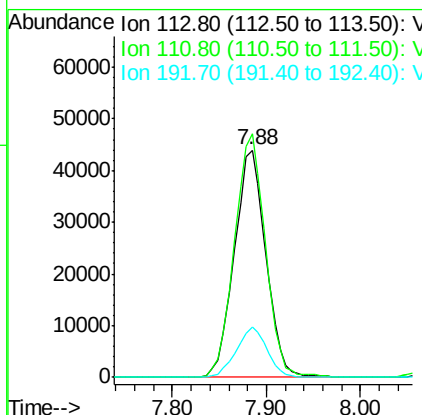
Acq: 07 Sep 2019 13:39

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 113   | Resp: | 102196 |
| Ion Ratio | Lower | Upper |        |
| 113       | 100   |       |        |
| 111       | 105.0 | 80.2  | 120.4  |
| 192       | 21.6  | 17.3  | 25.9   |

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050

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#36

1,1-Dichloropropene

Concen: 52.013 ug/l

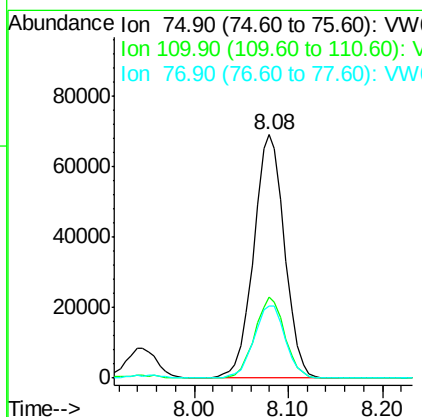
RT: 8.08 min Scan# 1013

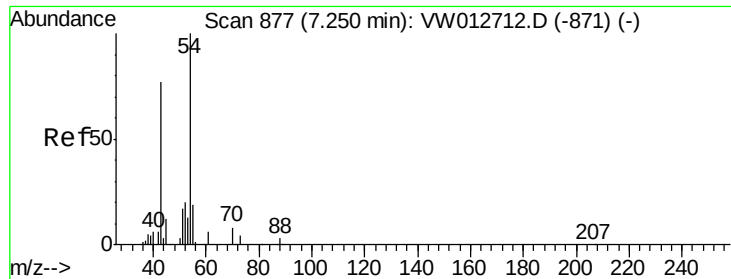
Delta R.T. 0.00 min

Lab File: VW012717.D

Acq: 07 Sep 2019 13:39

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 75    | Resp: | 159265 |
| Ion Ratio | Lower | Upper |        |
| 75        | 100   |       |        |
| 110       | 32.2  | 15.9  | 47.7   |
| 77        | 30.5  | 25.0  | 37.4   |





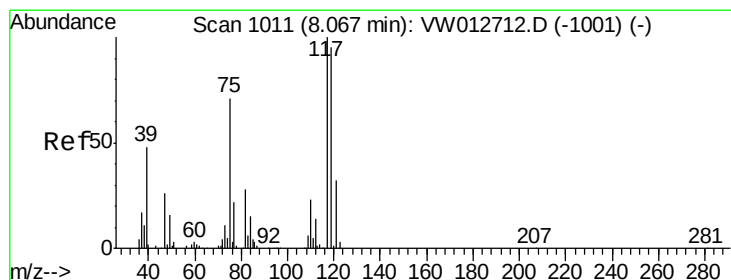
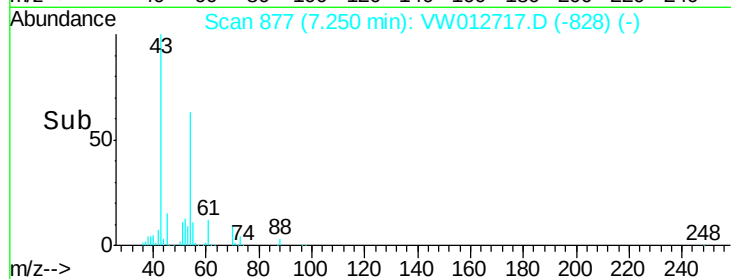
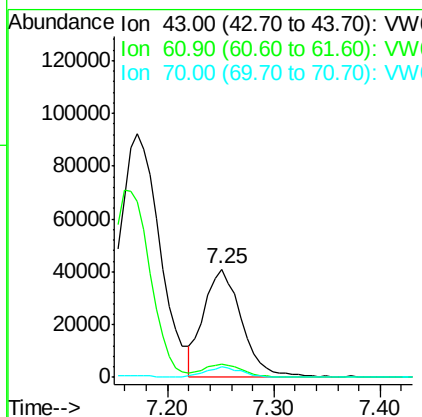
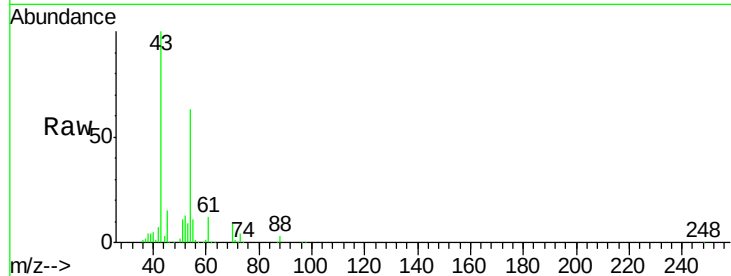
#37  
Ethyl Acetate  
Concen: 51.426 ug/l  
RT: 7.25 min Scan# 877  
Delta R.T. 0.00 min  
Lab File: VW012717.D  
Acq: 07 Sep 2019 13:39

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 43      | 100   |      |       |       |
| 61      | 12.6  | 9.5  | 14.3  |       |
| 70      | 9.3   | 7.0  | 10.6  |       |

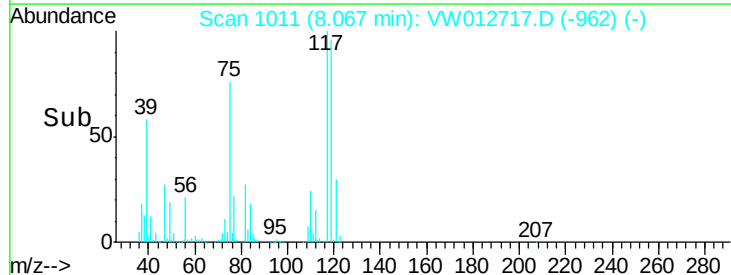
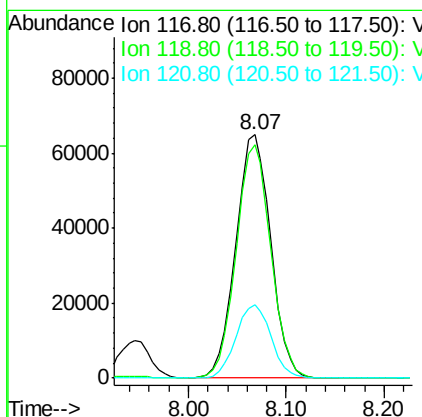
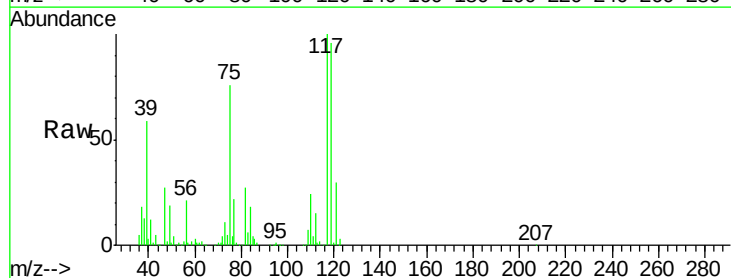
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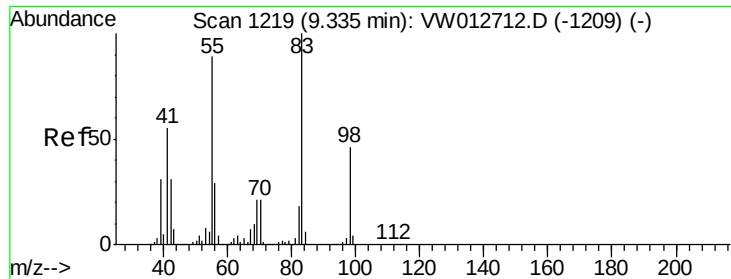


#38  
Carbon Tetrachloride  
Concen: 53.314 ug/l  
RT: 8.07 min Scan# 1011  
Delta R.T. 0.00 min  
Lab File: VW012717.D  
Acq: 07 Sep 2019 13:39

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 117     | 100   |      |       |       |
| 119     | 95.7  | 76.2 | 114.2 |       |
| 121     | 30.2  | 25.4 | 38.2  |       |







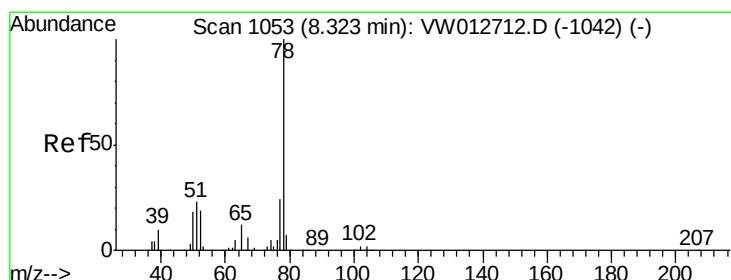
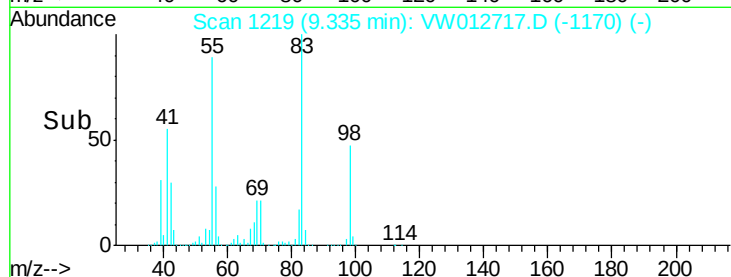
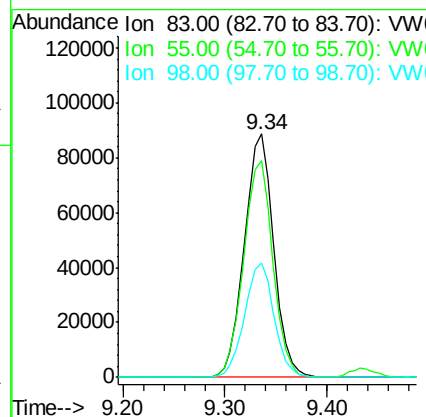
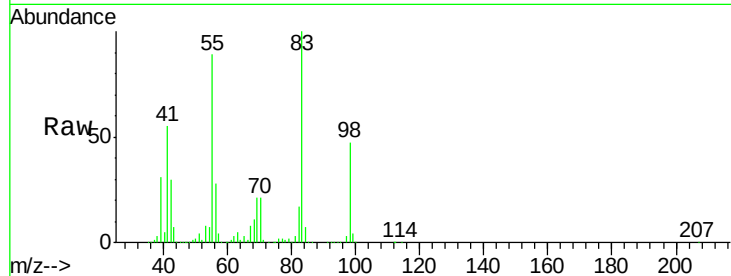
#39  
Methylvlcyclohexane  
Concen: 51.595 ug/l  
RT: 9.34 min Scan# 1219  
Delta R.T. 0.00 min  
Lab File: VW012717.D  
Acq: 07 Sep 2019 13:39

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050

| Tot Ion   | 83    | Resp  | 177439 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 55        | 89.3  | 71.0  | 106.4  |
| 98        | 47.2  | 36.9  | 55.3   |

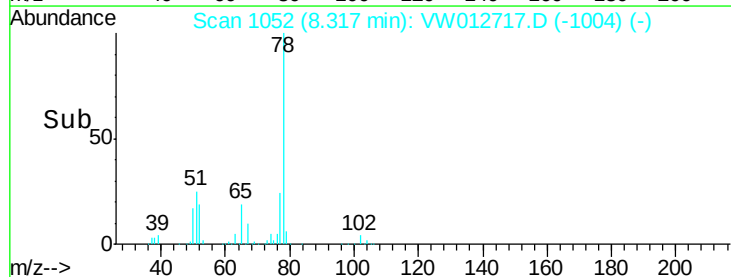
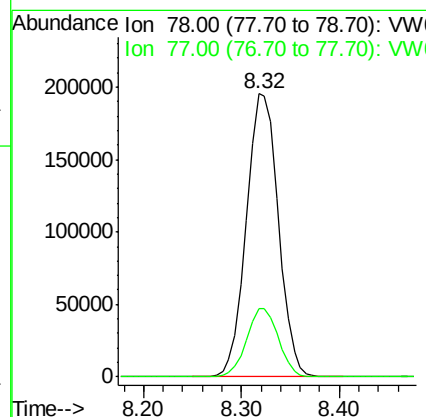
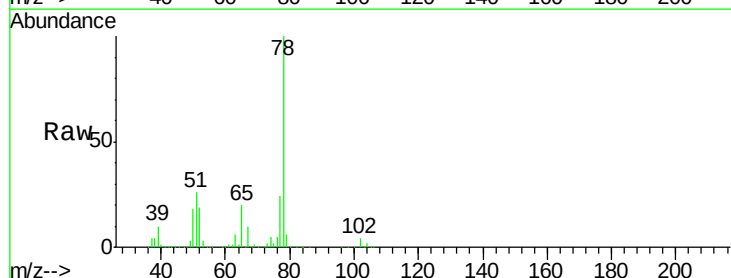
Manual Integrations  
APPROVED

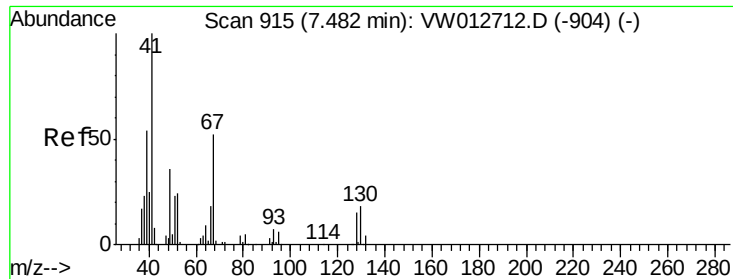
MMDadoda  
9/10/2019 1:02:49 PM



#40  
Benzene  
Concen: 52.255 ug/l  
RT: 8.32 min Scan# 1052  
Delta R.T. -0.01 min  
Lab File: VW012717.D  
Acq: 07 Sep 2019 13:39

| Tgt Ion   | 78    | Resp  | 443939 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 78        | 100   |       |        |
| 77        | 24.1  | 19.3  | 28.9   |





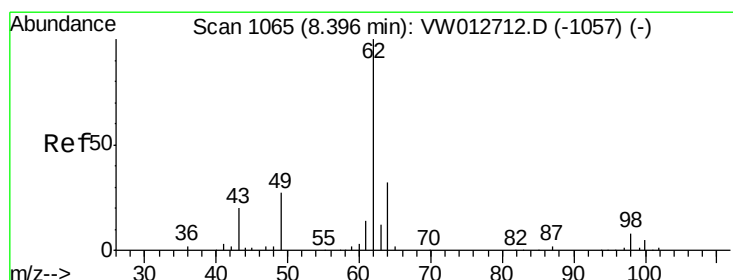
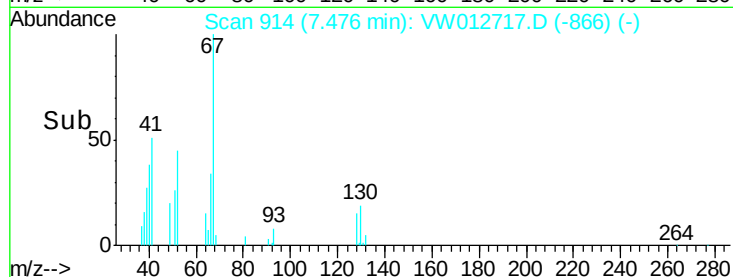
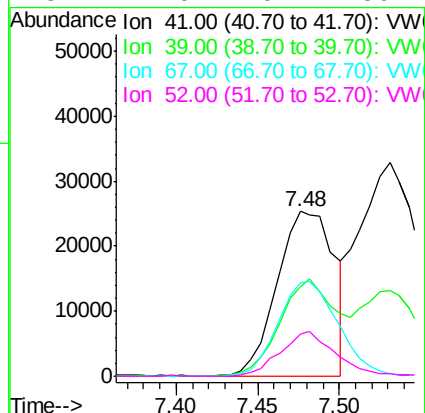
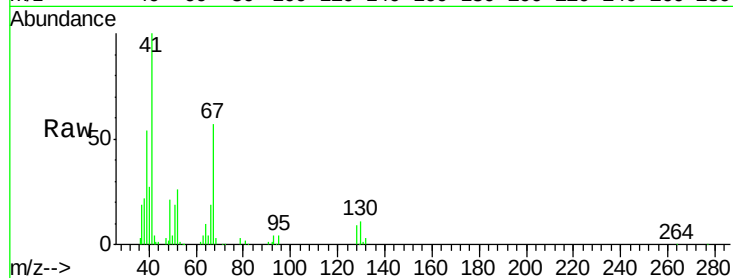
#41  
Methacrylonitrile  
Concen: 46.940 ug/l  
RT: 7.48 min Scan# 914  
Delta R.T. -0.01 min  
Lab File: VW012717.D  
Acq: 07 Sep 2019 13:39

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 41      | 100  |       |       |       |
| 39      | 60.2 | 47.5  | 71.3  |       |
| 67      | 60.6 | 45.1  | 67.7  |       |
| 52      | 27.0 | 20.2  | 30.2  |       |

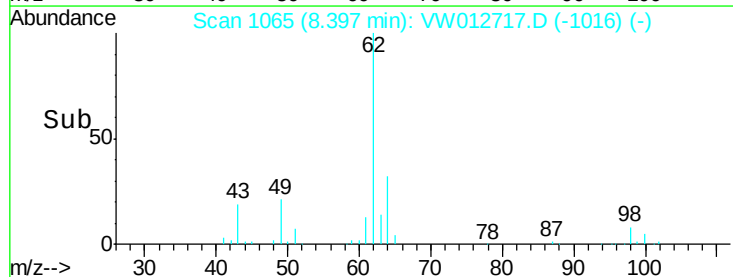
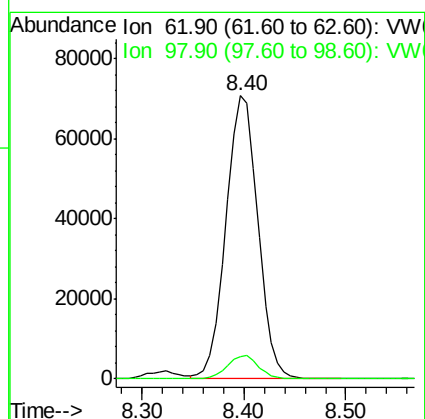
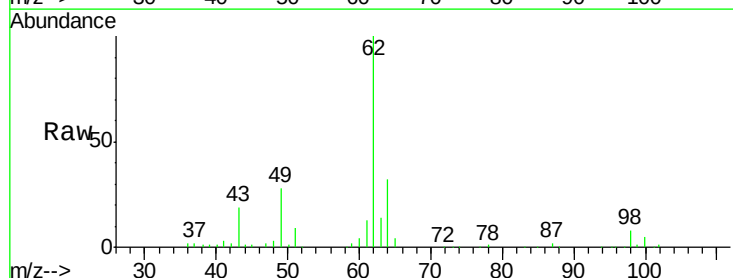
Manual Integrations  
APPROVED

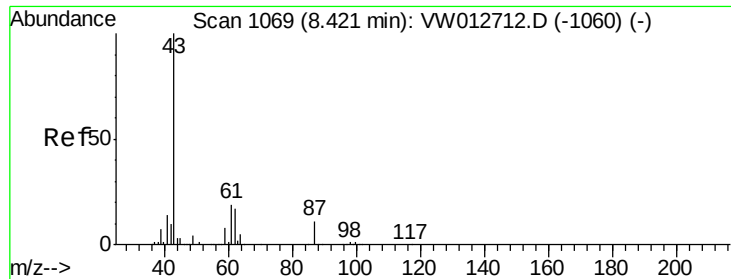
MMDadoda  
9/10/2019 1:02:49 PM



#42  
1,2-Dichloroethane  
Concen: 51.126 ug/l  
RT: 8.40 min Scan# 1065  
Delta R.T. 0.00 min  
Lab File: VW012717.D  
Acq: 07 Sep 2019 13:39

| Tgt Ion | Ion | Ratio | Lower | Upper |
|---------|-----|-------|-------|-------|
| 62      | 100 |       |       |       |
| 98      | 8.2 | 0.0   | 16.2  |       |





#43

Isopropyl Acetate

Concen: 51.866 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW012717.D

Acq: 07 Sep 2019 13:39

Instrument :

MSVOA\_W

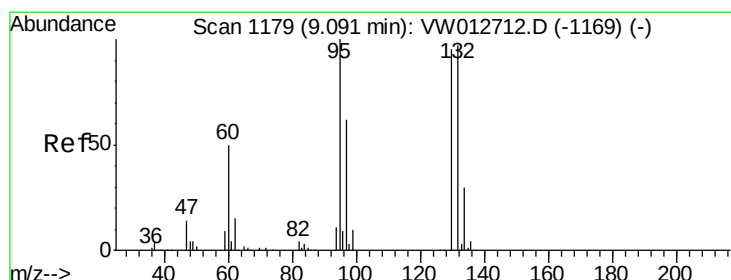
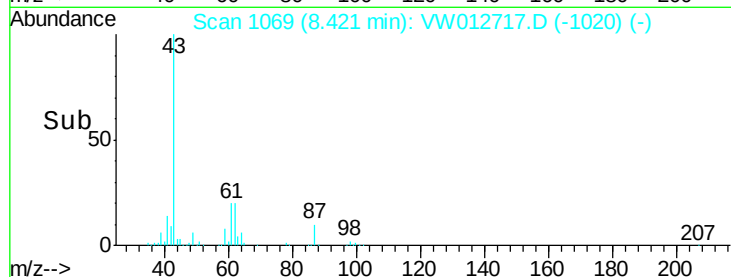
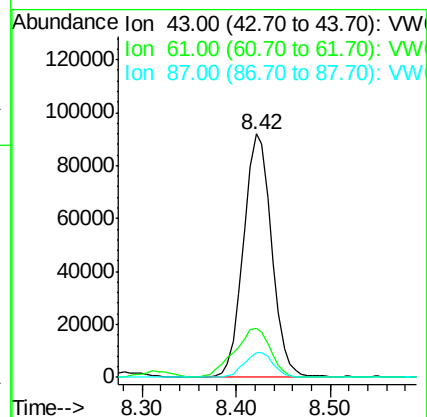
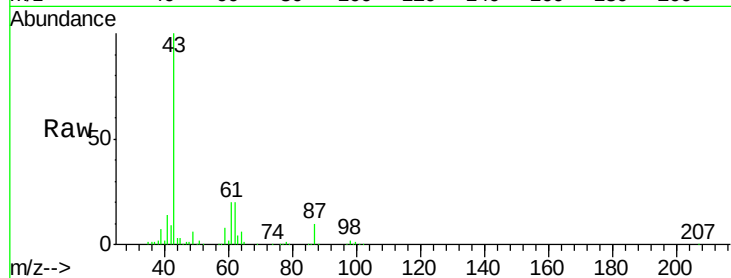
ClientSampleId :

VSTDCCC050

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 43    | Resp: | 191807 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 61       | 25.6  | 20.6  | 30.8   |
| 87       | 10.6  | 8.6   | 13.0   |

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#44

Trichloroethene

Concen: 52.077 ug/l

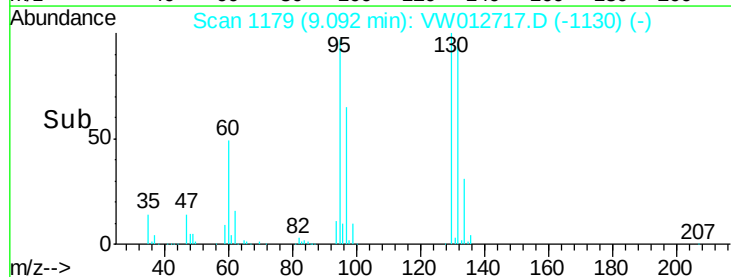
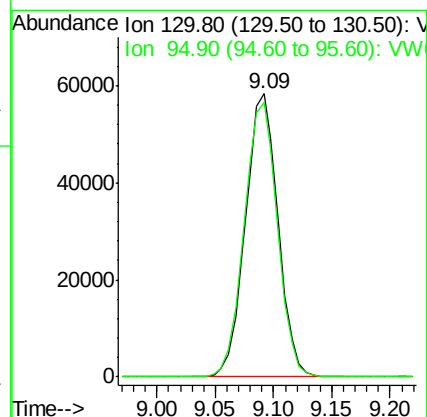
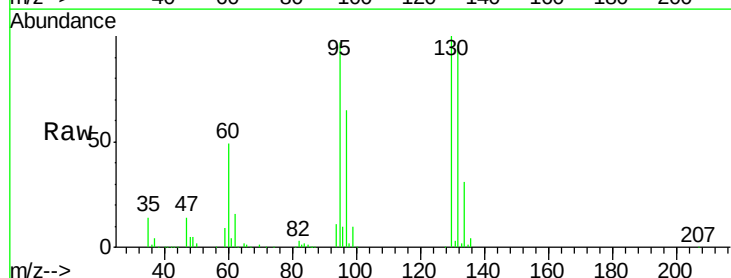
RT: 9.09 min Scan# 1179

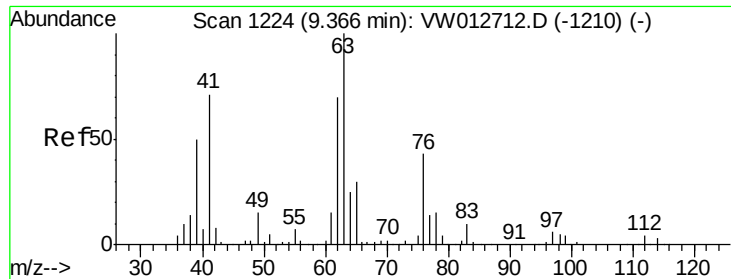
Delta R.T. 0.00 min

Lab File: VW012717.D

Acq: 07 Sep 2019 13:39

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 130   | Resp: | 114045 |
| Ion      | Ratio | Lower | Upper  |
| 130      | 100   |       |        |
| 95       | 96.8  | 0.0   | 210.6  |





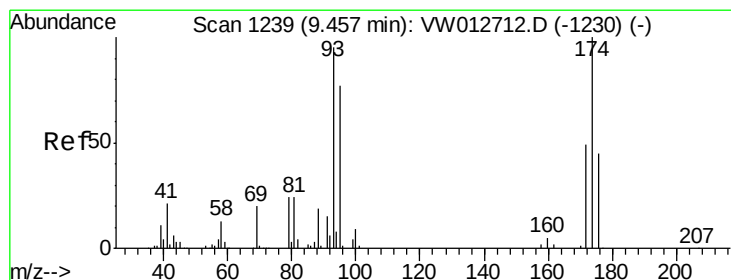
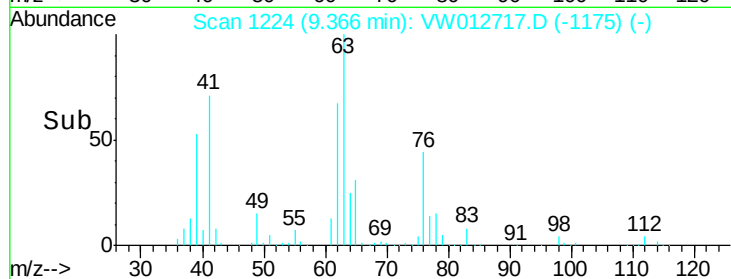
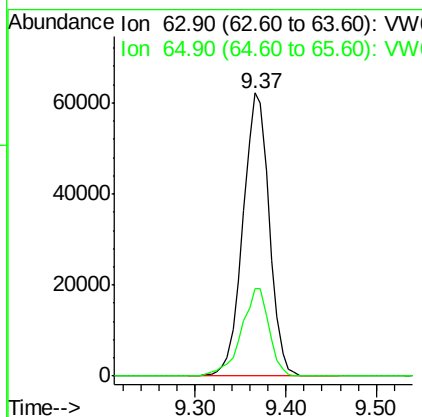
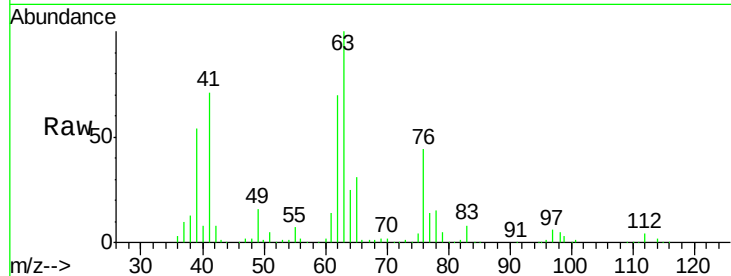
#45  
 1,2-Dichloropropane  
 Concen: 52.921 ug/l  
 RT: 9.37 min Scan# 1224  
 Delta R.T. 0.00 min  
 Lab File: VW012717.D  
 Acq: 07 Sep 2019 13:39

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 65      | 31.1  | 23.8  | 35.8  |

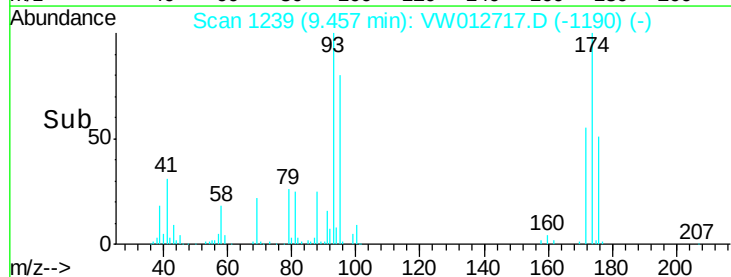
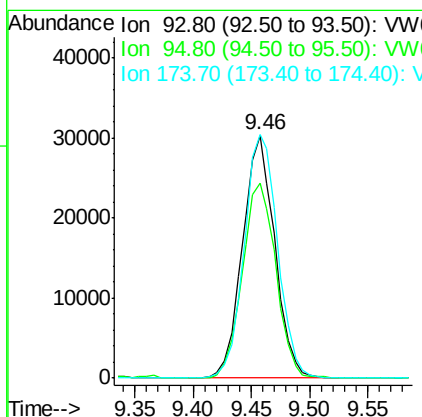
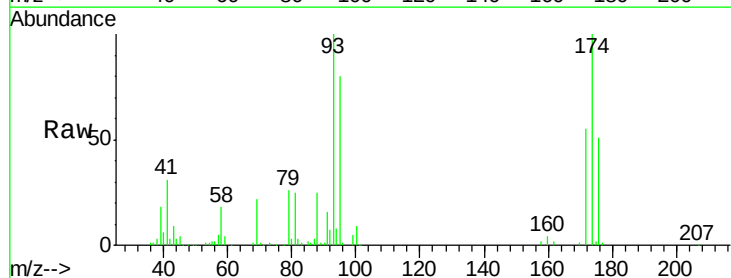
Manual Integrations  
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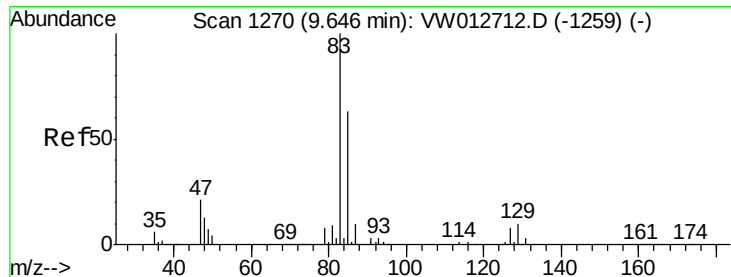
MMDadoda  
 9/10/2019 1:02:49 PM



#46  
 Dibromomethane  
 Concen: 52.353 ug/l  
 RT: 9.46 min Scan# 1239  
 Delta R.T. 0.00 min  
 Lab File: VW012717.D  
 Acq: 07 Sep 2019 13:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 95      | 83.7  | 65.2  | 97.8  |
| 174     | 103.8 | 84.2  | 126.4 |





#47

Bromodichloromethane

Concen: 52.848 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW012717.D

Acq: 07 Sep 2019 13:39

Instrument :

MSVOA\_W

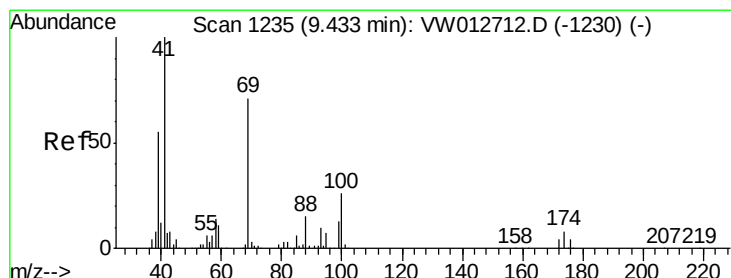
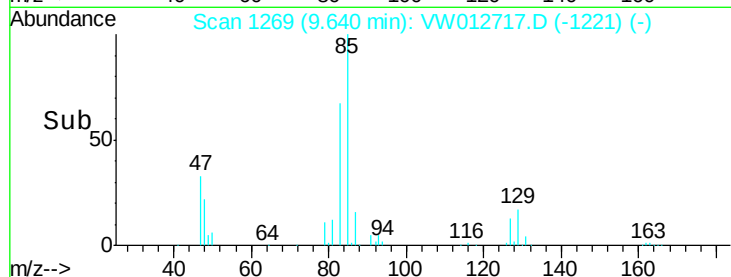
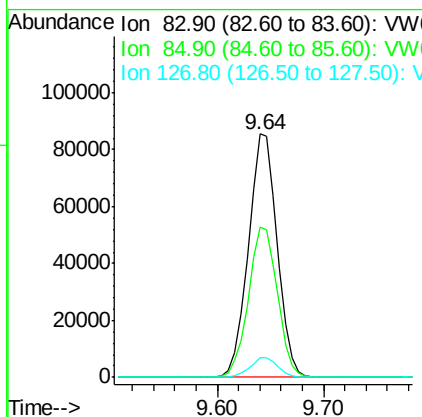
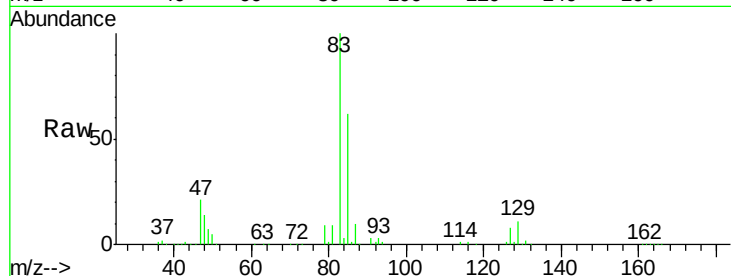
ClientSampleId :

VSTDCCC050

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 83    | Resp: | 162233 |
| Ion      | Ratio | Lower | Upper  |
| 83       | 100   |       |        |
| 85       | 61.7  | 50.2  | 75.2   |
| 127      | 7.9   | 6.6   | 9.8    |

Manual Integrations  
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9/10/2019 1:02:49 PM



#48

Methyl methacrylate

Concen: 52.463 ug/l

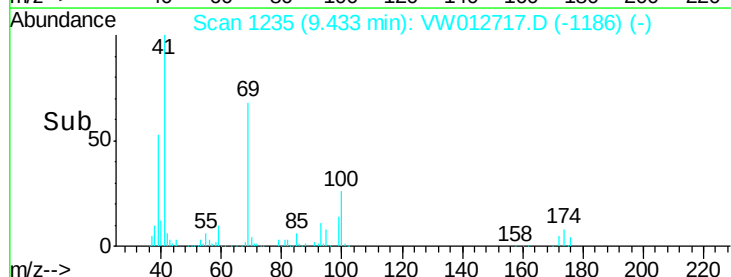
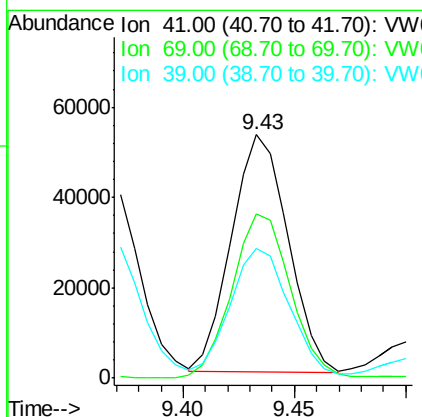
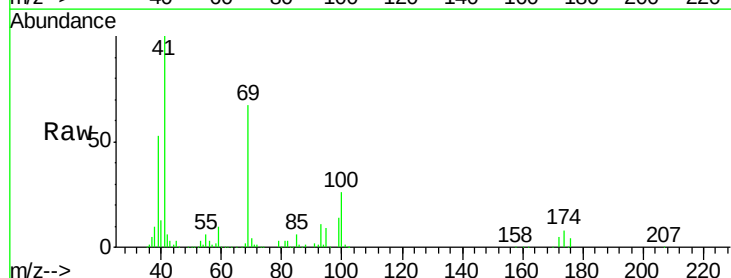
RT: 9.43 min Scan# 1235

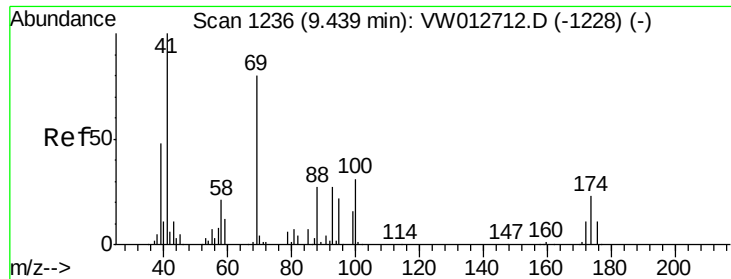
Delta R.T. 0.00 min

Lab File: VW012717.D

Acq: 07 Sep 2019 13:39

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 92717 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 69       | 72.6  | 59.8  | 89.8  |
| 39       | 58.4  | 47.0  | 70.6  |





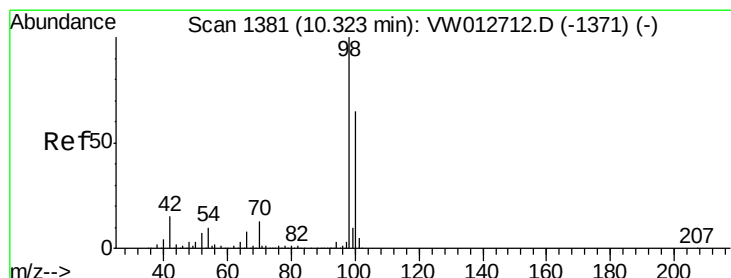
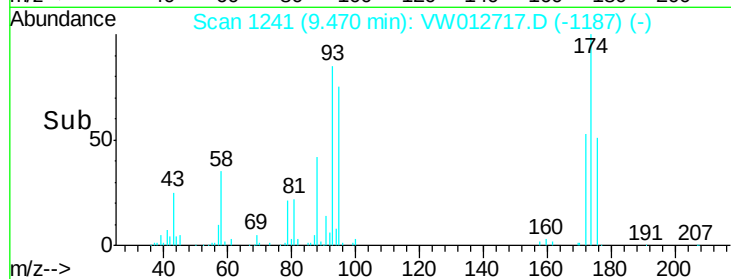
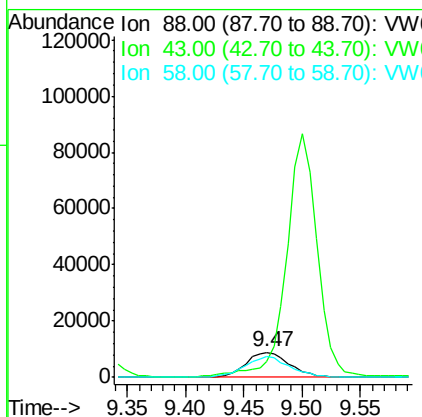
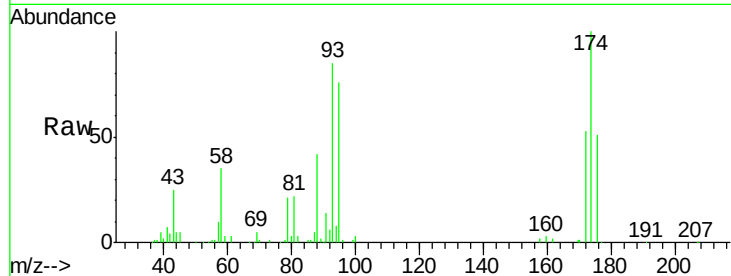
#49  
 1,4-Dioxane  
 Concen: 1065.512 ug/l  
 RT: 9.47 min Scan# 1241  
 Delta R.T. 0.03 min  
 Lab File: VW012717.D  
 Acq: 07 Sep 2019 13:39

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | 88 | Ratio | 100 | Resp  | 23484 |
|---------|----|-------|-----|-------|-------|
| Ion     | 88 | 100   |     | Lower | Upper |
|         | 43 | 0.0   |     | 34.8  | 52.2# |
|         | 58 | 85.0  |     | 64.1  | 96.1  |

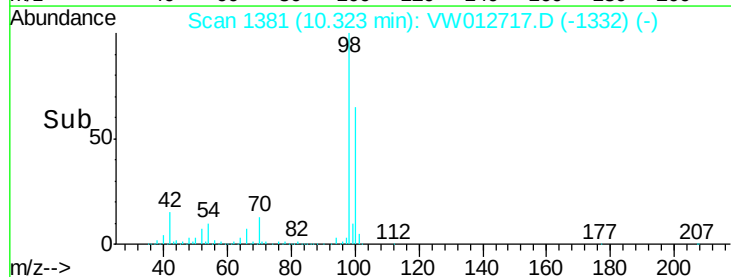
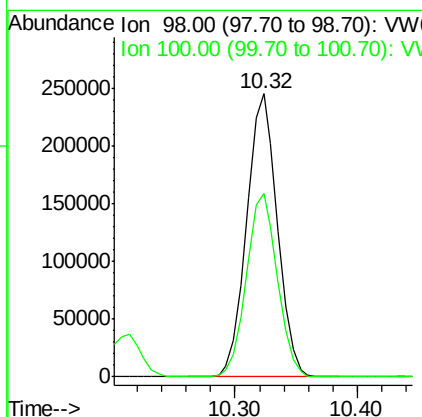
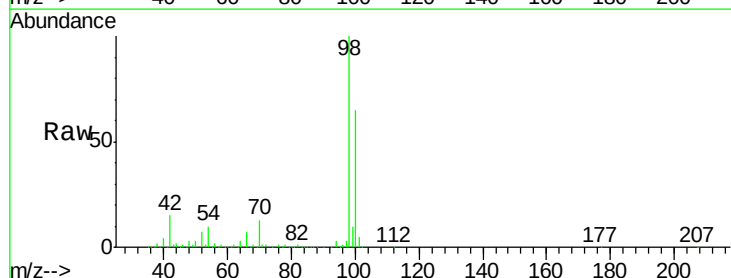
Manual Integrations  
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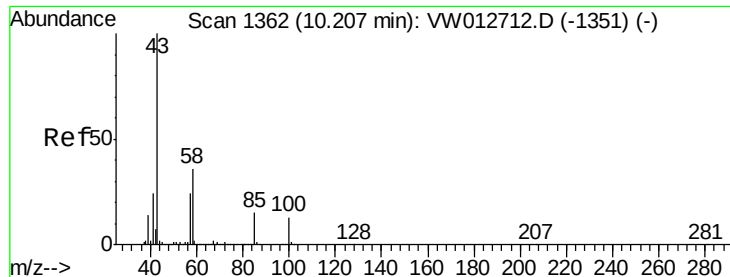
MMDadoda  
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#50  
 Toluene-d8  
 Concen: 53.371 ug/l  
 RT: 10.32 min Scan# 1381  
 Delta R.T. 0.00 min  
 Lab File: VW012717.D  
 Acq: 07 Sep 2019 13:39

| Tgt Ion | 98  | Ratio | 100 | Resp  | 428402 |
|---------|-----|-------|-----|-------|--------|
| Ion     | 98  | 100   |     | Lower | Upper  |
|         | 100 | 65.1  |     | 52.2  | 78.4   |





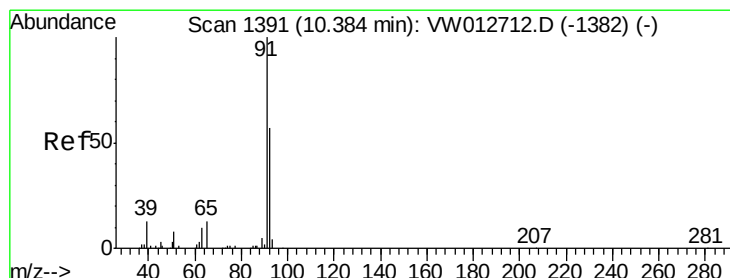
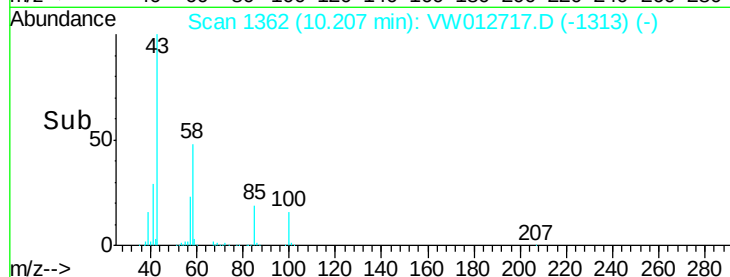
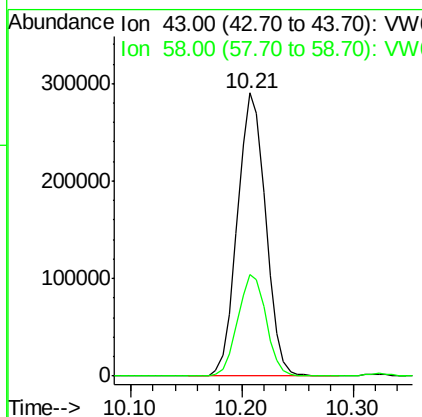
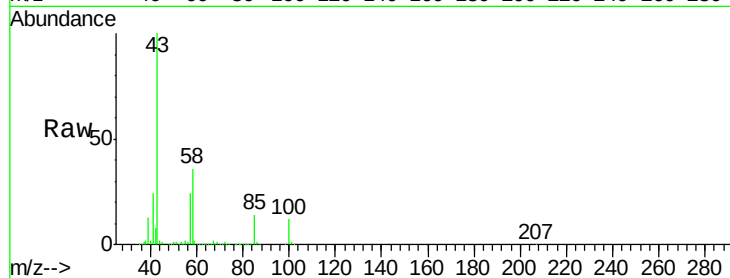
#51  
 4-Methyl-2-Pentanone  
 Concen: 263.000 ug/l  
 RT: 10.21 min Scan# 1362  
 Delta R.T. 0.00 min  
 Lab File: VW012717.D  
 Acq: 07 Sep 2019 13:39

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 58      | 35.9  | 28.4  | 42.6  |

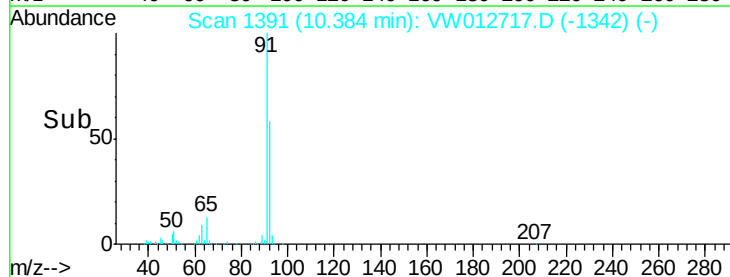
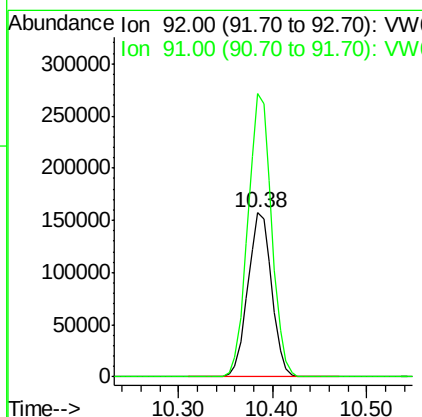
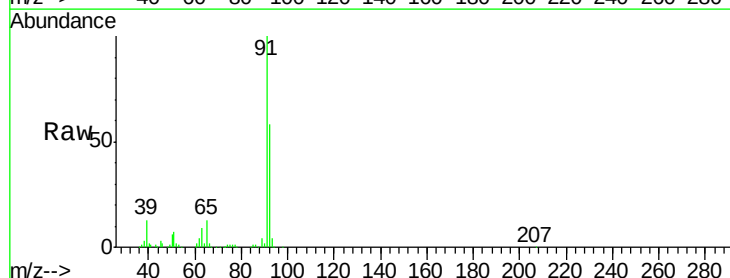
Manual Integrations  
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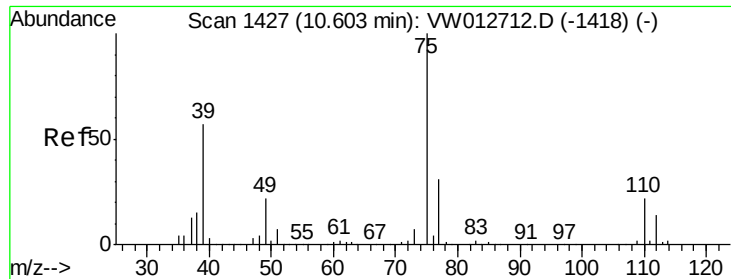
MMDadoda  
 9/10/2019 1:02:49 PM



#52  
 Toluene  
 Concen: 52.718 ug/l  
 RT: 10.38 min Scan# 1391  
 Delta R.T. 0.00 min  
 Lab File: VW012717.D  
 Acq: 07 Sep 2019 13:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 92      | 100   |       |       |
| 91      | 171.4 | 137.0 | 205.4 |





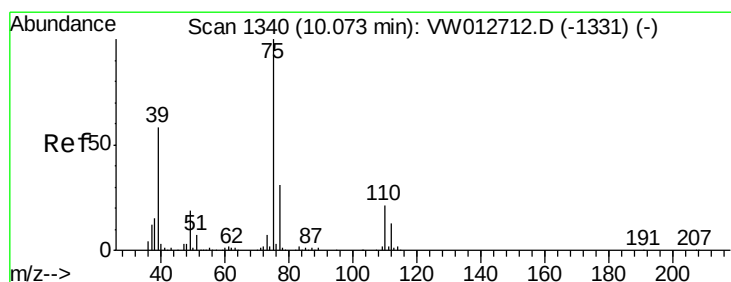
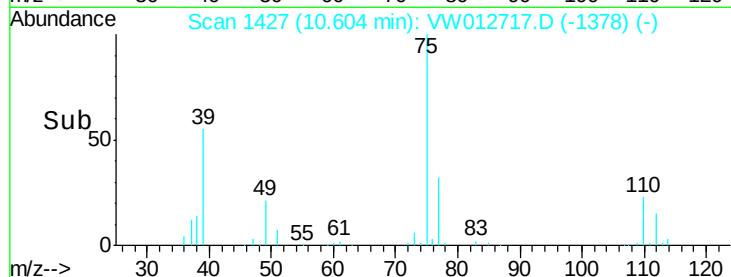
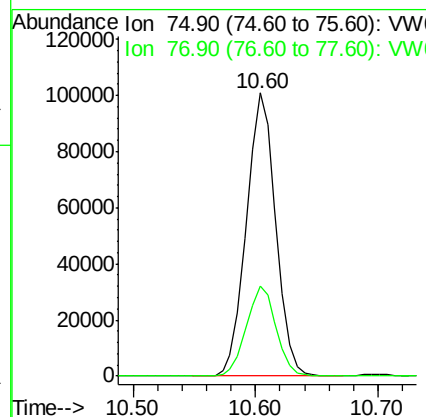
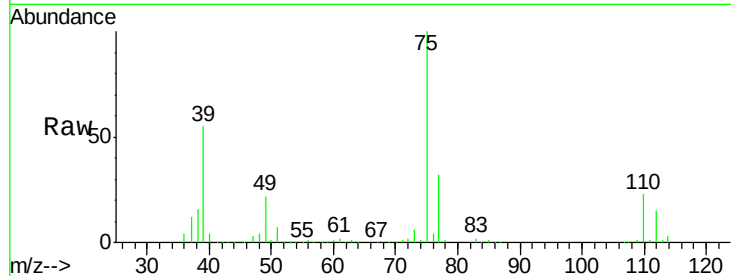
#53  
t-1,3-Dichloropropene  
Concen: 53.202 ug/l  
RT: 10.60 min Scan# 1427  
Delta R.T. 0.00 min  
Lab File: VW012717.D  
Acq: 07 Sep 2019 13:39

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050

Tot Ion: 75 Resp: 167935  
Ion Ratio Lower Upper  
75 100  
77 31.7 24.7 37.1

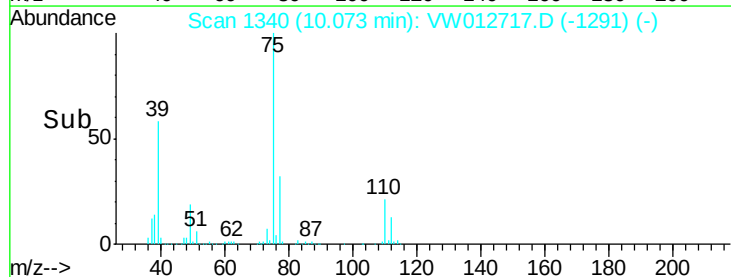
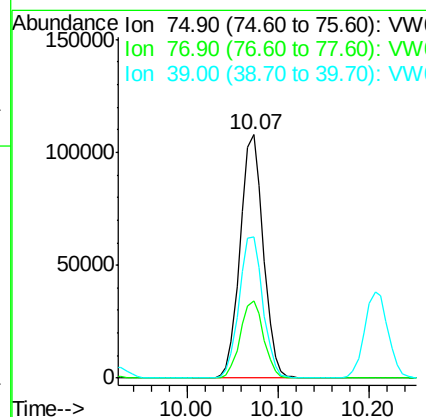
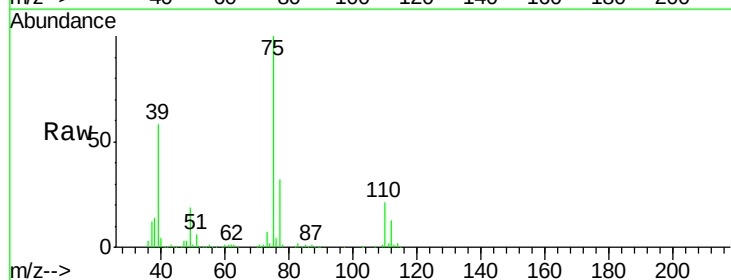
Manual Integrations  
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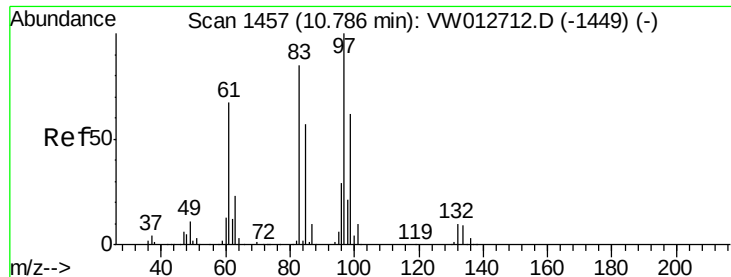


#54  
cis-1,3-Dichloropropene  
Concen: 53.465 ug/l  
RT: 10.07 min Scan# 1340  
Delta R.T. 0.00 min  
Lab File: VW012717.D  
Acq: 07 Sep 2019 13:39

Tgt Ion: 75 Resp: 191451  
Ion Ratio Lower Upper  
75 100  
77 31.5 24.6 36.8  
39 58.0 46.3 69.5







#55

1,1,2-Trichloroethane

Concen: 52.261 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW012717.D

Acq: 07 Sep 2019 13:39

Instrument :

MSVOA\_W

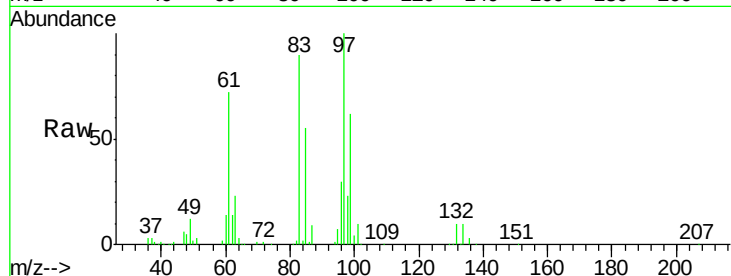
ClientSampleId :

VSTDCCC050

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 97    | Resp: | 87300 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 89.8  | 68.1  | 102.1 |
| 85       | 54.6  | 45.3  | 67.9  |
| 99       | 62.1  | 50.0  | 75.0  |

Manual Integrations  
APPROVED

MMDadoda  
9/10/2019 1:02:49 PM

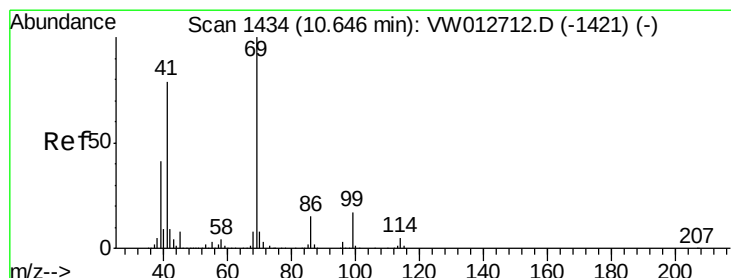
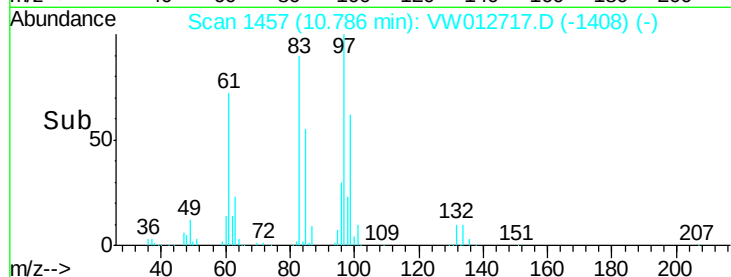
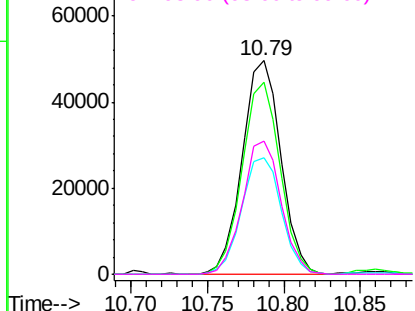


Abundance Ion 96.90 (96.60 to 97.60): VW

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: 51.822 ug/l

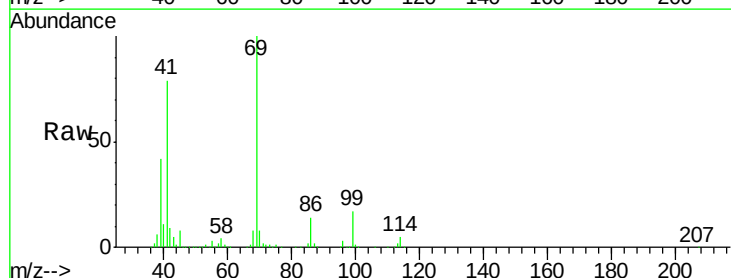
RT: 10.65 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW012717.D

Acq: 07 Sep 2019 13:39

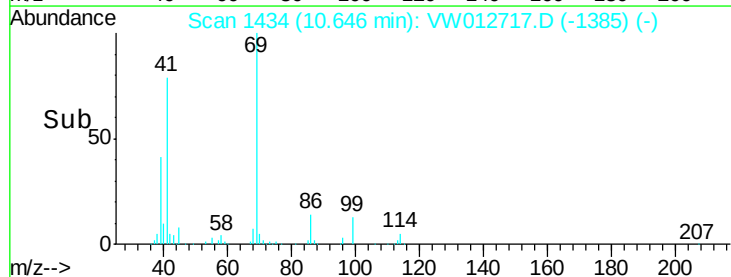
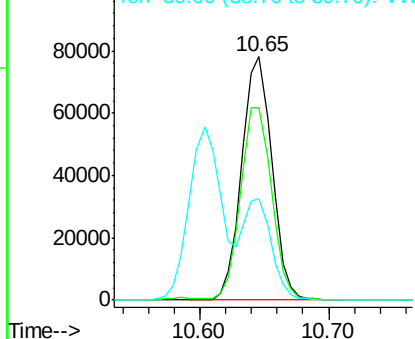
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 69    | Resp: | 126718 |
| Ion      | Ratio | Lower | Upper  |
| 69       | 100   |       |        |
| 41       | 81.3  | 64.4  | 96.6   |
| 39       | 38.1  | 31.1  | 46.7   |

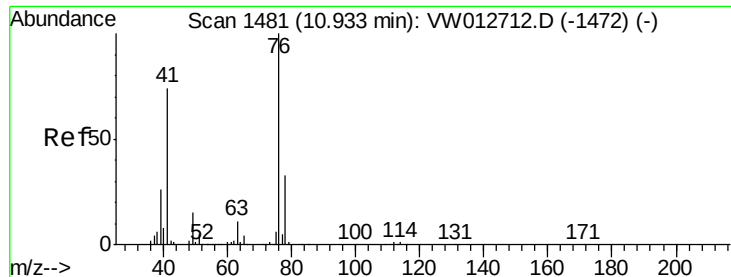


Abundance Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW





#57

1,3-Dichloropropane

Concen: 52.129 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. 0.00 min

Lab File: VW012717.D

Acq: 07 Sep 2019 13:39

Instrument :

MSVOA\_W

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 161098

Ion Ratio Lower Upper

76 100

78 32.4

25.9

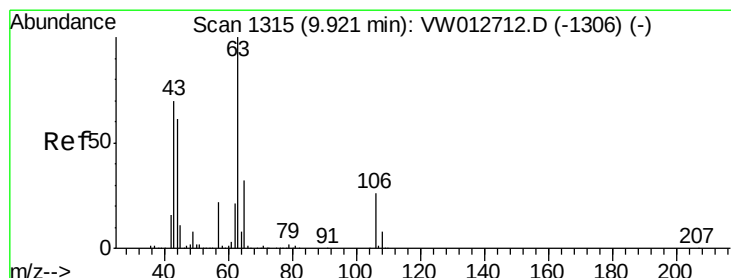
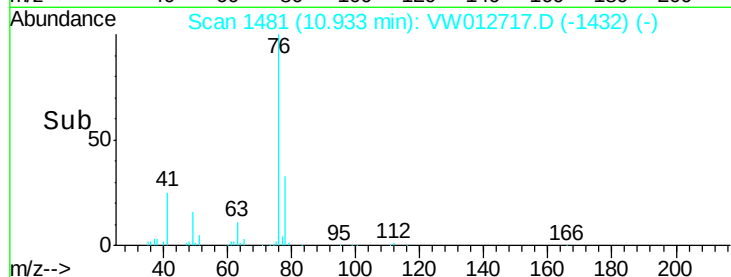
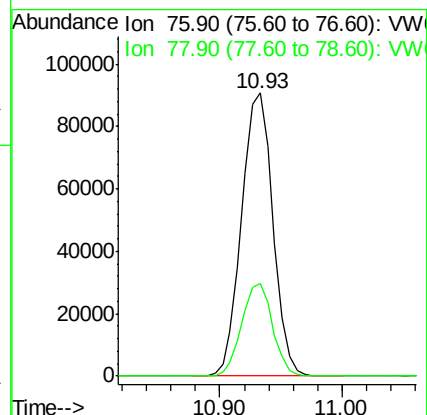
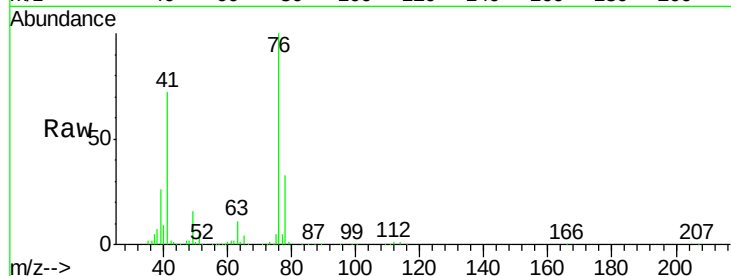
38.9

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 258.571 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VW012717.D

Acq: 07 Sep 2019 13:39

Tgt Ion: 63 Resp: 335659

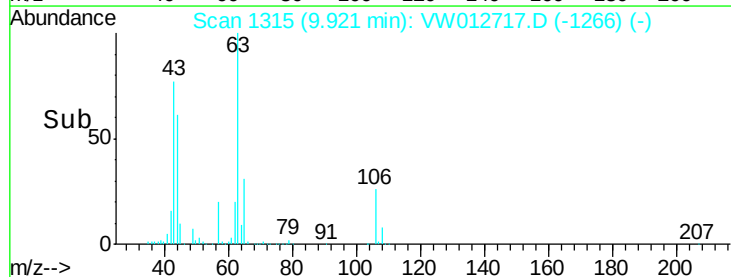
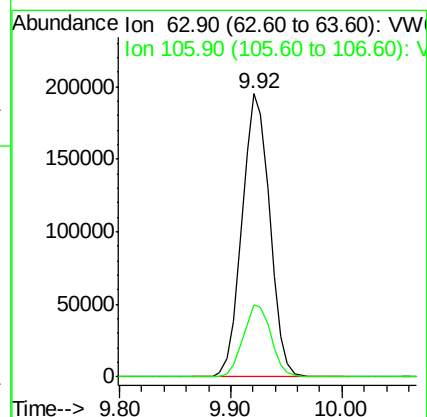
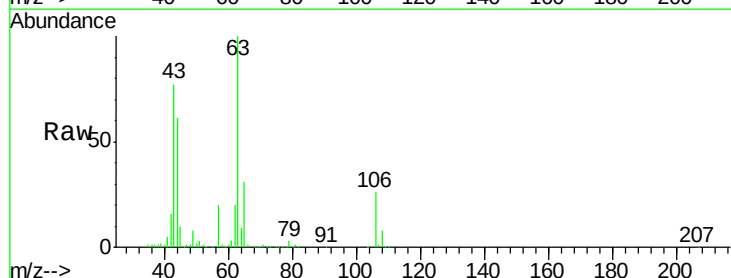
Ion Ratio Lower Upper

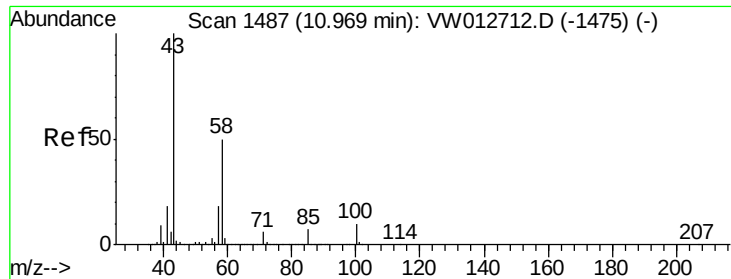
63 100

106 25.7

20.5

30.7





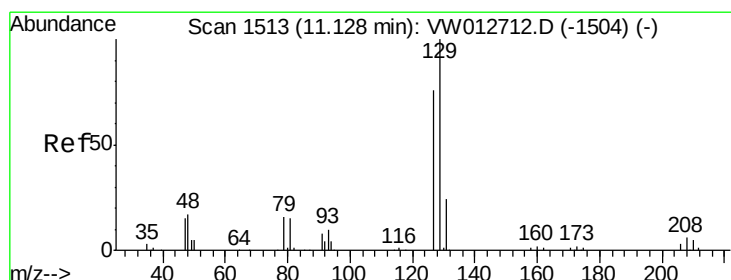
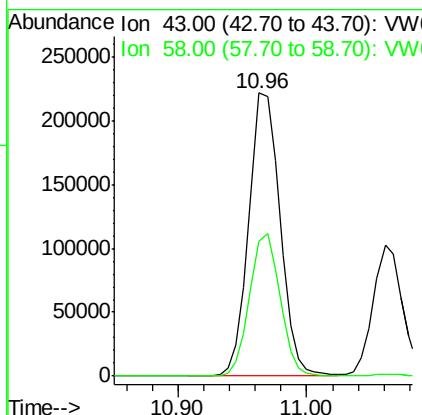
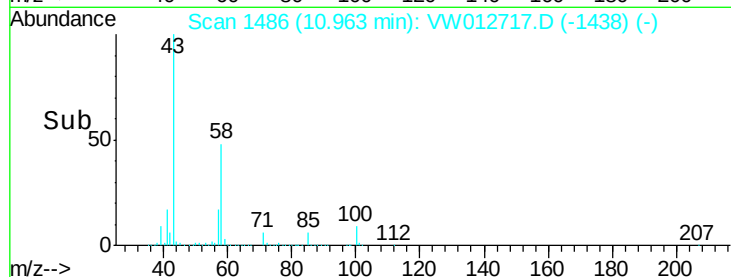
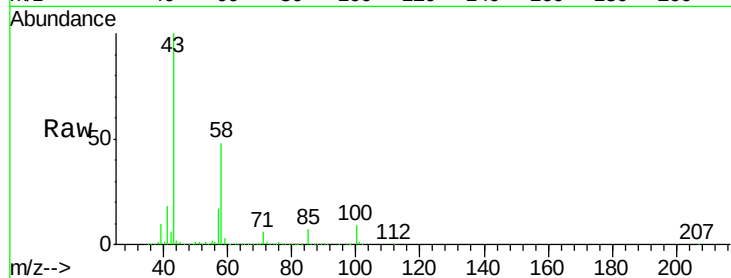
#59  
2-Hexanone  
Concen: 262.077 ug/l  
RT: 10.96 min Scan# 1486  
Delta R.T. -0.01 min  
Lab File: VW012717.D  
Acq: 07 Sep 2019 13:39

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050

Tot Ion: 43 Resp: 371546  
Ion Ratio Lower Upper  
43 100  
58 49.2 24.7 74.1

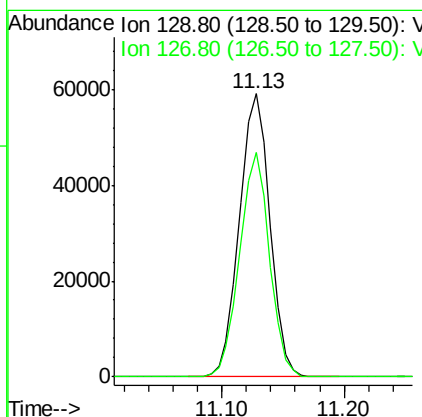
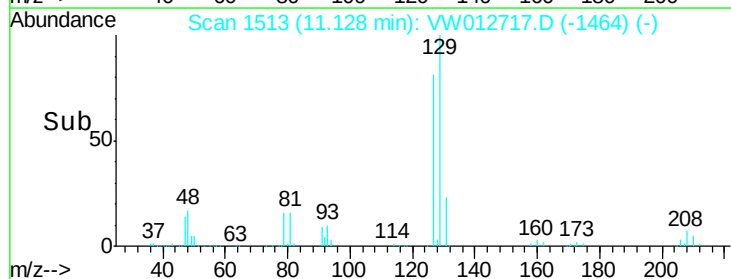
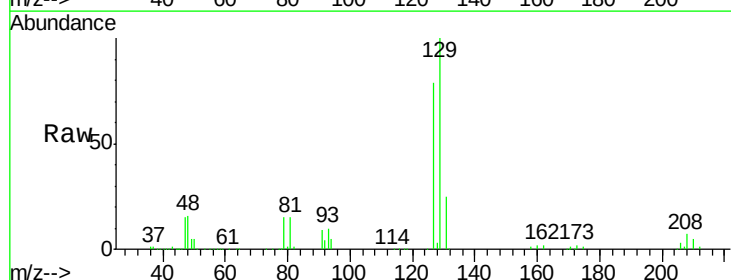
Manual Integrations  
APPROVED

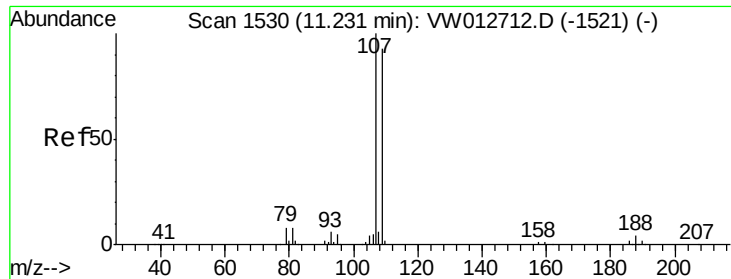
MMDadoda  
9/10/2019 1:02:49 PM



#60  
Dibromochloromethane  
Concen: 52.155 ug/l  
RT: 11.13 min Scan# 1513  
Delta R.T. 0.00 min  
Lab File: VW012717.D  
Acq: 07 Sep 2019 13:39

Tgt Ion: 129 Resp: 102464  
Ion Ratio Lower Upper  
129 100  
127 77.4 38.6 115.8





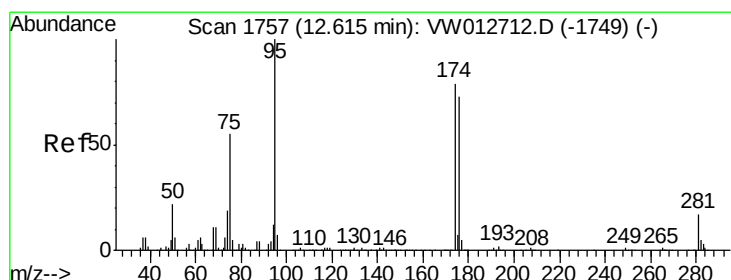
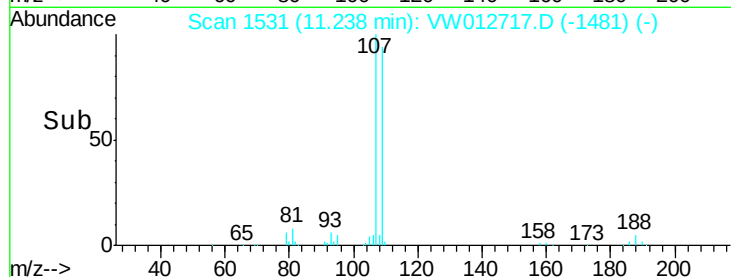
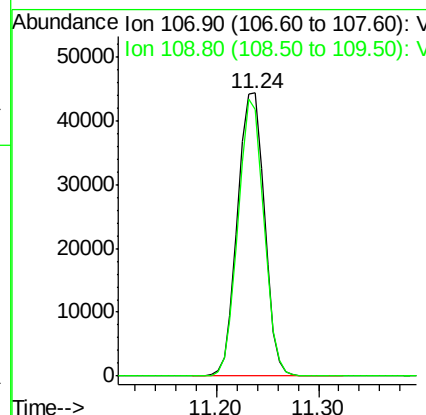
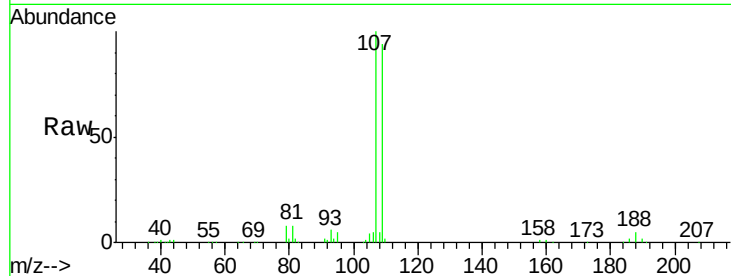
#61  
 1,2-Dibromoethane  
 Concen: 53.003 ug/l  
 RT: 11.24 min Scan# 1531  
 Delta R.T. 0.01 min  
 Lab File: VW012717.D  
 Acq: 07 Sep 2019 13:39

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 109     | 93.6  | 75.0  | 112.6 |

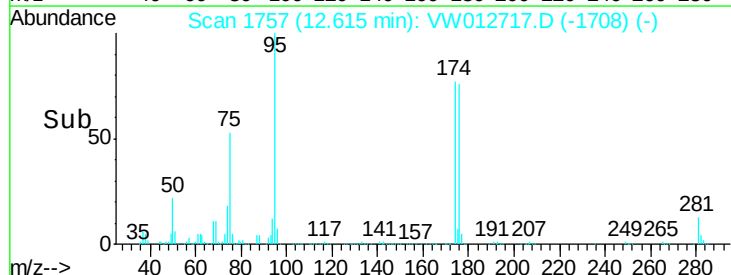
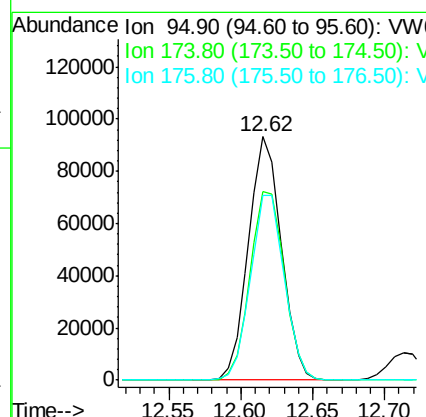
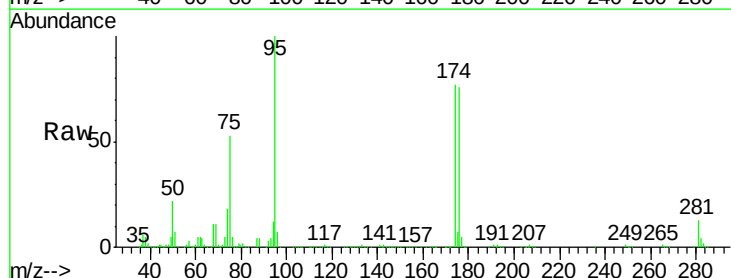
Manual Integrations  
 APPROVED

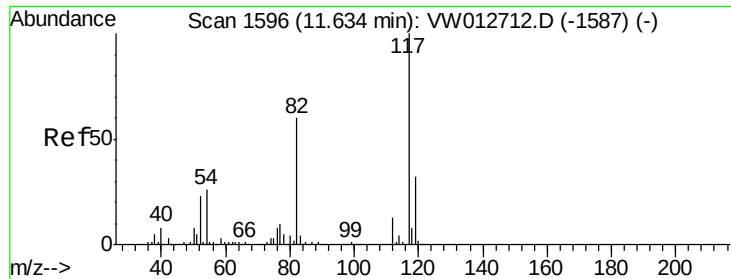
MMDadoda  
 9/10/2019 1:02:49 PM



#62  
 4-Bromofluorobenzene  
 Concen: 50.686 ug/l  
 RT: 12.62 min Scan# 1757  
 Delta R.T. 0.00 min  
 Lab File: VW012717.D  
 Acq: 07 Sep 2019 13:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 95      | 100   |       |       |
| 174     | 80.5  | 0.0   | 161.0 |
| 176     | 77.7  | 0.0   | 156.4 |





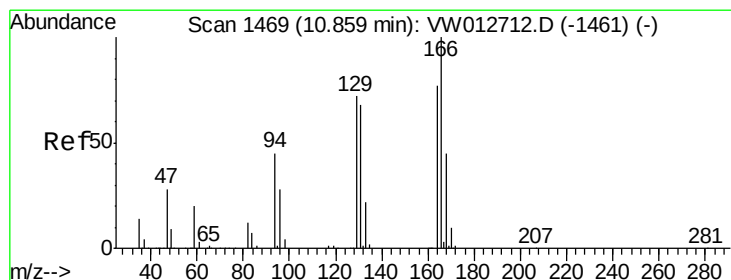
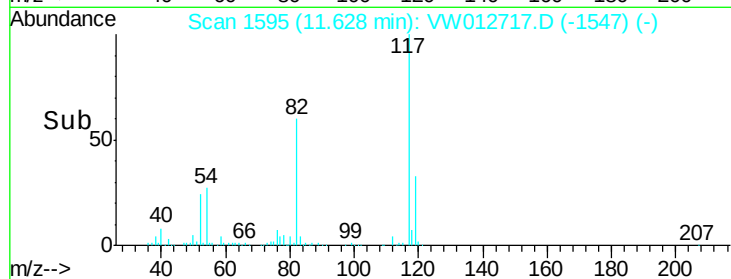
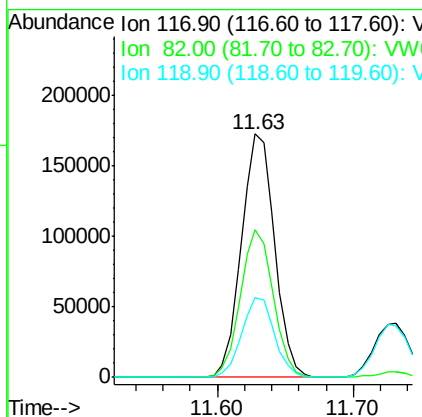
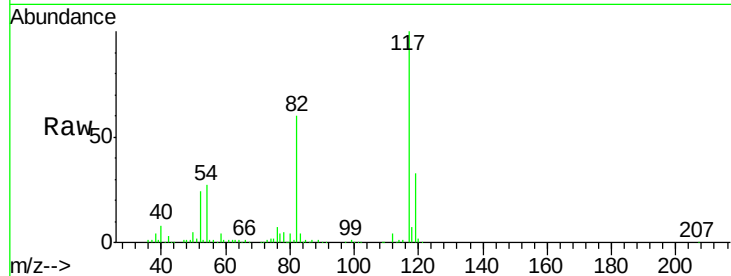
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.63 min Scan# 1595  
Delta R.T. -0.01 min  
Lab File: VW012717.D  
Acq: 07 Sep 2019 13:39

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 117     | 100   | 294371 |       |       |
| 82      | 60.4  | 48.2   | 72.4  |       |
| 119     | 32.5  | 25.8   | 38.6  |       |

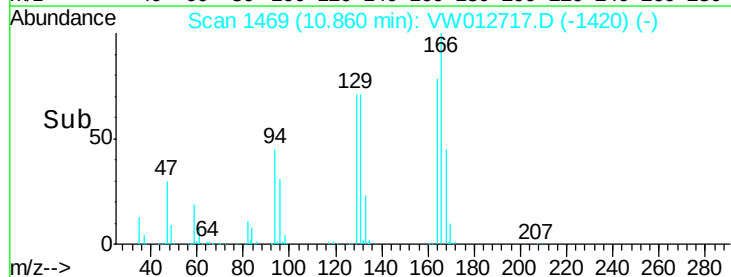
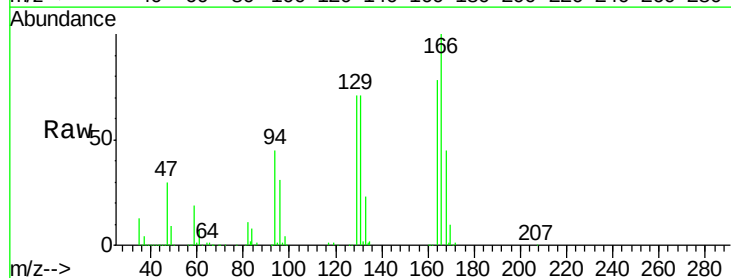
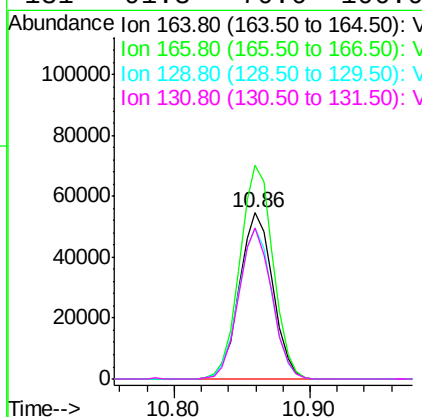
Manual Integrations  
APPROVED

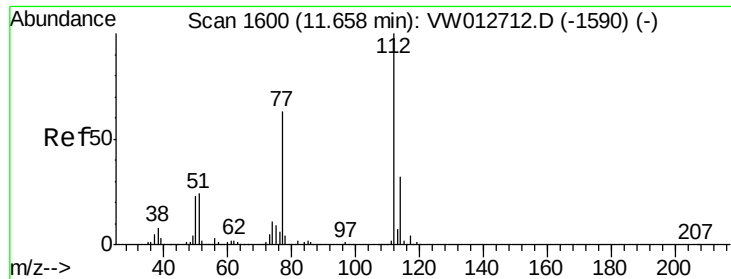
MMDadoda  
9/10/2019 1:02:49 PM



#64  
Tetrachloroethene  
Concen: 52.550 ug/l  
RT: 10.86 min Scan# 1469  
Delta R.T. 0.00 min  
Lab File: VW012717.D  
Acq: 07 Sep 2019 13:39

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 164     | 100   | 93864 |       |       |
| 166     | 128.8 | 103.6 | 155.4 |       |
| 129     | 90.9  | 74.6  | 112.0 |       |
| 131     | 91.3  | 70.6  | 106.0 |       |





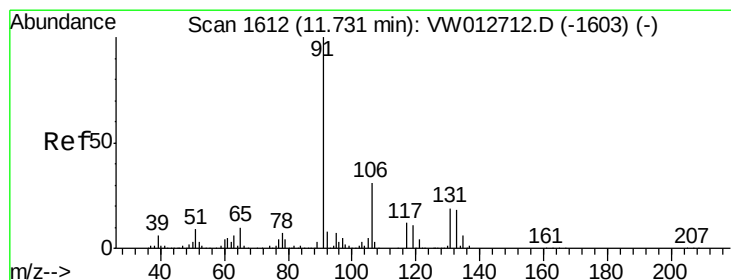
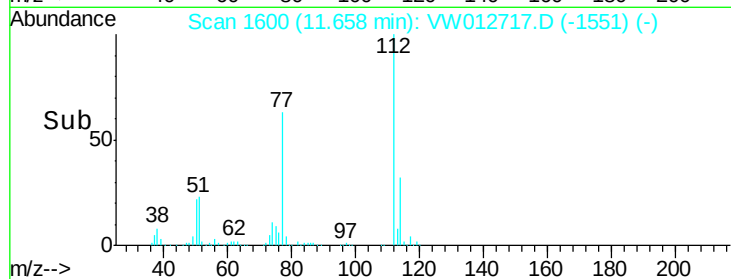
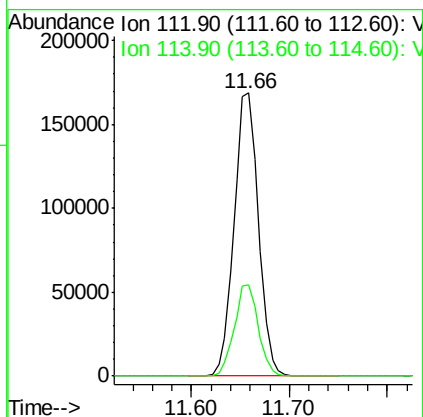
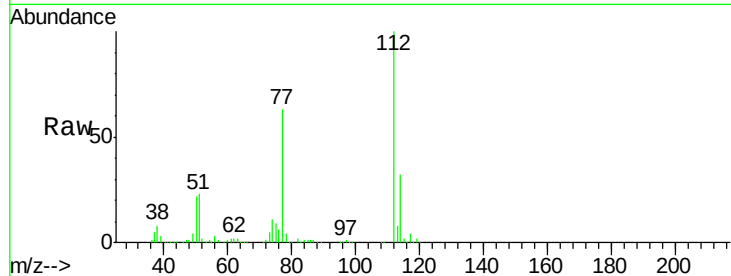
#65  
Chlorobenzene  
Concen: 52.312 ug/l  
RT: 11.66 min Scan# 1600  
Delta R.T. 0.00 min  
Lab File: VW012717.D  
Acq: 07 Sep 2019 13:39

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 112     | 100   | 291051 |       |       |
| 114     | 32.1  | 25.3   | 37.9  |       |

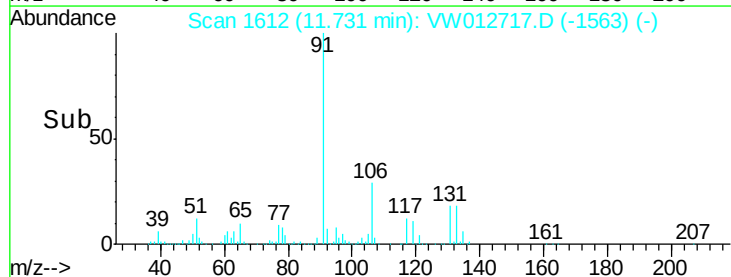
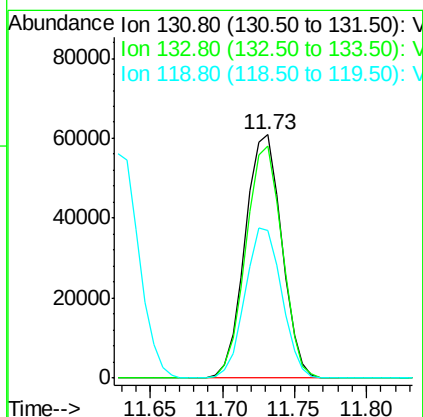
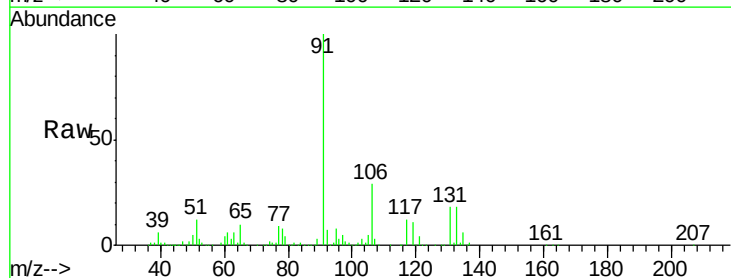
Manual Integrations  
APPROVED

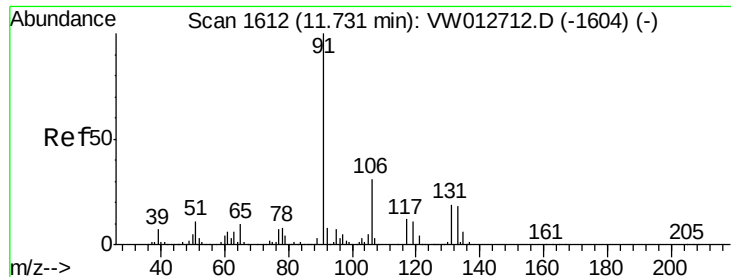
MMDadoda  
9/10/2019 1:02:49 PM



#66  
1,1,1,2-Tetrachloroethane  
Concen: 51.716 ug/l  
RT: 11.73 min Scan# 1612  
Delta R.T. 0.00 min  
Lab File: VW012717.D  
Acq: 07 Sep 2019 13:39

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 131     | 100   | 107152 |       |       |
| 133     | 94.6  | 47.6   | 142.8 |       |
| 119     | 61.7  | 30.6   | 92.0  |       |





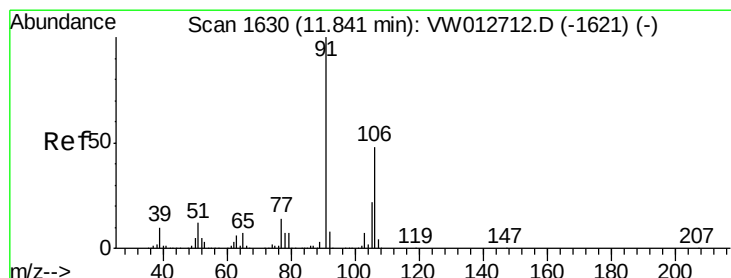
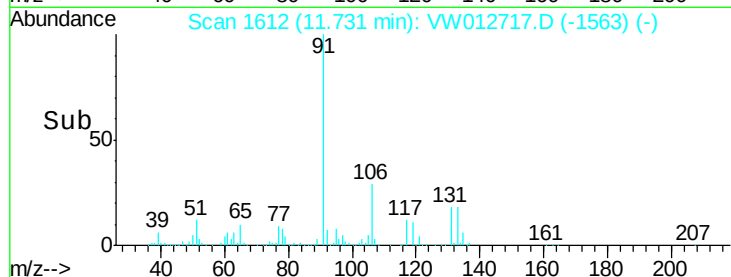
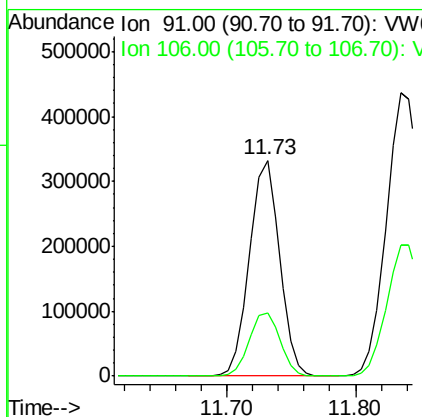
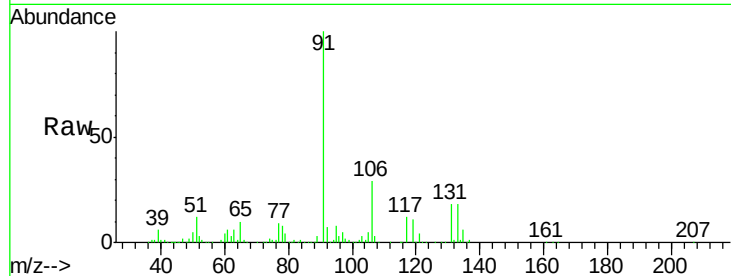
#67  
Ethyl Benzene  
Concen: 51.213 ug/l  
RT: 11.73 min Scan# 1612  
Delta R.T. 0.00 min  
Lab File: VW012717.D  
Acq: 07 Sep 2019 13:39

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050

Tot Ion: 91 Resp: 534607  
Ion Ratio Lower Upper  
91 100  
106 29.5 24.4 36.6

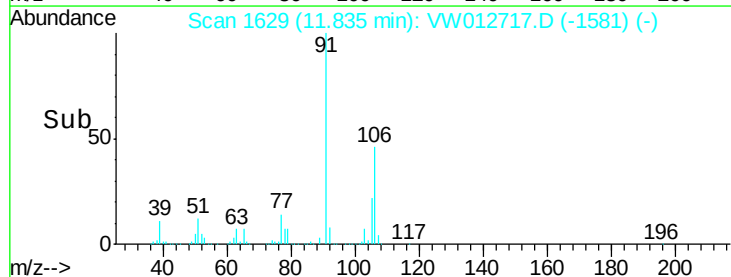
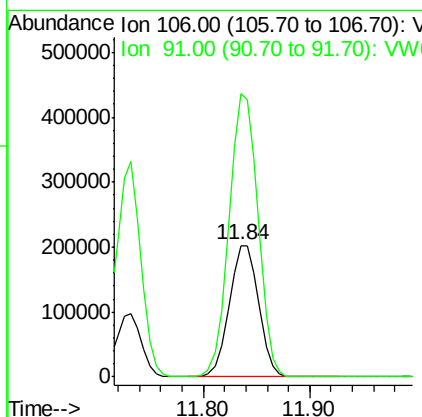
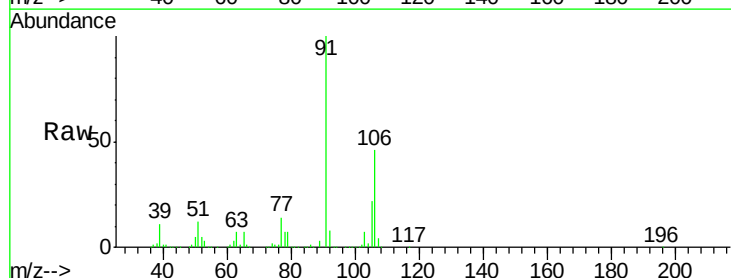
Manual Integrations  
APPROVED

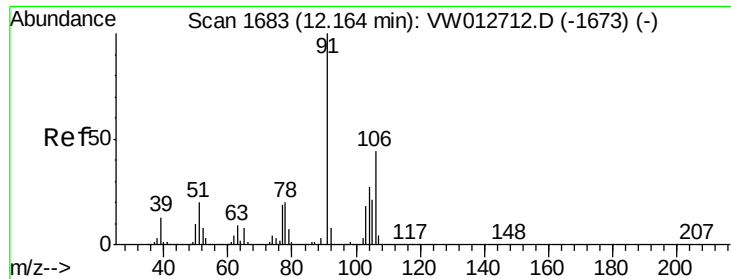
MMDadoda  
9/10/2019 1:02:49 PM



#68  
m/p-Xylenes  
Concen: 103.553 ug/l  
RT: 11.84 min Scan# 1629  
Delta R.T. -0.01 min  
Lab File: VW012717.D  
Acq: 07 Sep 2019 13:39

Tgt Ion: 106 Resp: 390183  
Ion Ratio Lower Upper  
106 100  
91 213.2 168.2 252.4





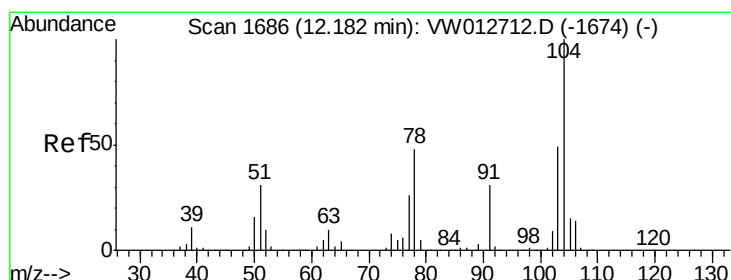
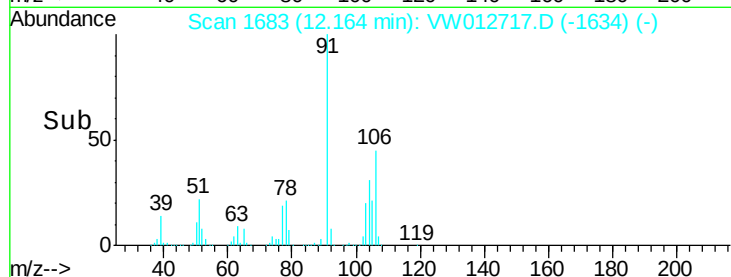
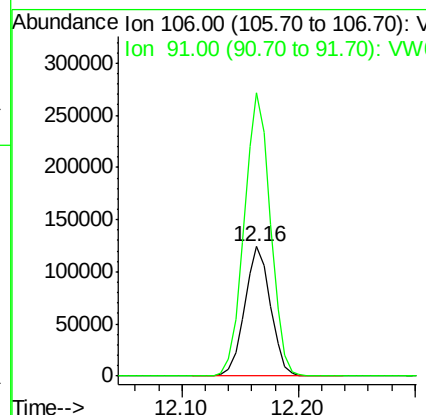
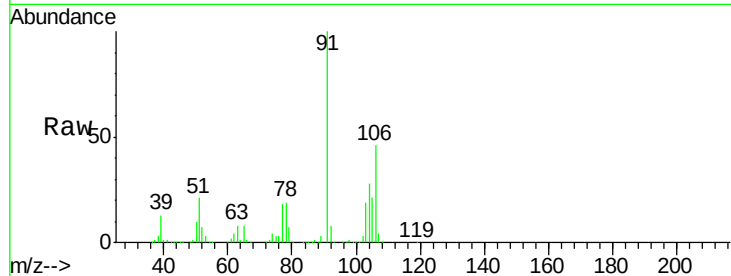
#69  
o-Xylene  
Concen: 54.002 ug/l  
RT: 12.16 min Scan# 1683  
Delta R.T. 0.00 min  
Lab File: VW012717.D  
Acq: 07 Sep 2019 13:39

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050

Tot Ion:106 Resp: 191964  
Ion Ratio Lower Upper  
106 100  
91 222.0 112.3 336.8

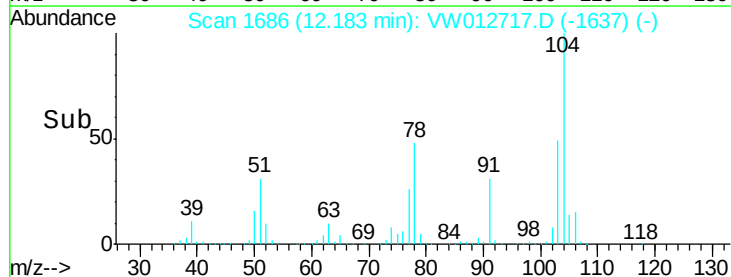
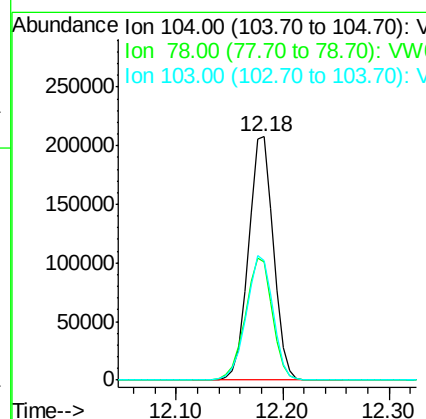
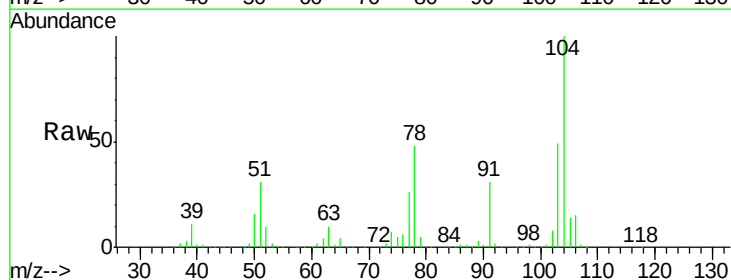
Manual Integrations  
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MMDadoda  
9/10/2019 1:02:49 PM

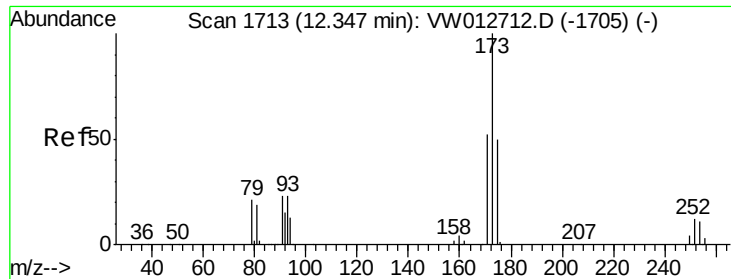


#70  
Styrene  
Concen: 54.369 ug/l  
RT: 12.18 min Scan# 1686  
Delta R.T. 0.00 min  
Lab File: VW012717.D  
Acq: 07 Sep 2019 13:39

Tgt Ion:104 Resp: 341524  
Ion Ratio Lower Upper  
104 100  
78 54.2 43.3 64.9  
103 54.8 44.0 66.0







#71

Bromoform

Concen: 53.105 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW012717.D

Acq: 07 Sep 2019 13:39

Instrument :

MSVOA\_W

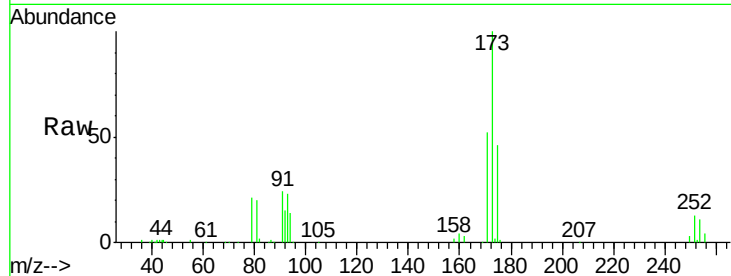
ClientSampleId :

VSTDCCC050

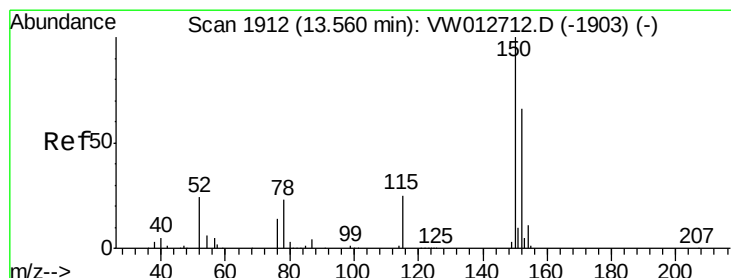
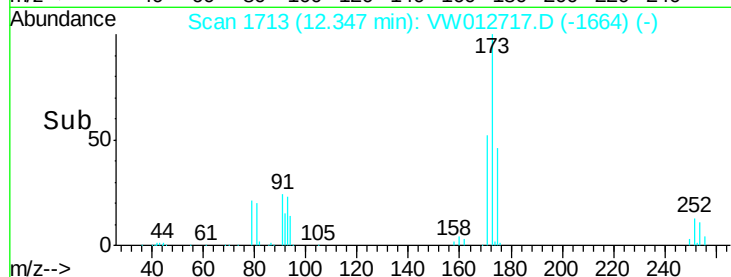
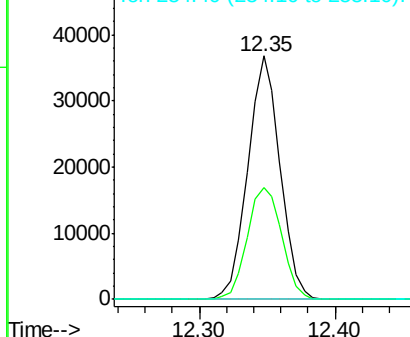
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 173     | 100   |       |       |
| 175     | 49.3  | 24.8  | 74.3  |
| 254     | 0.0   | 0.1   | 0.1   |

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

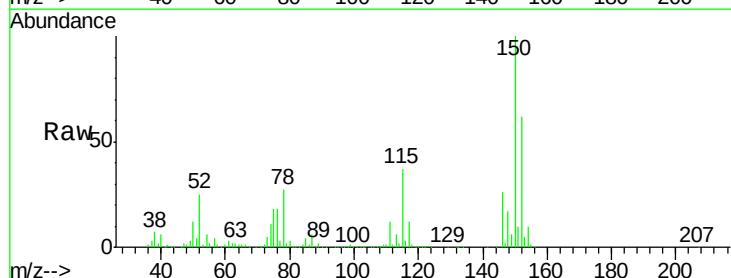
RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

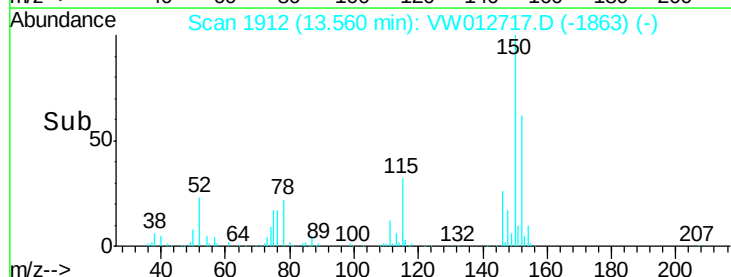
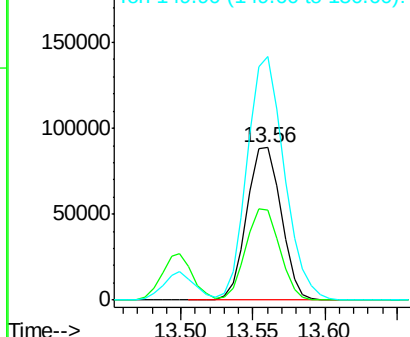
Lab File: VW012717.D

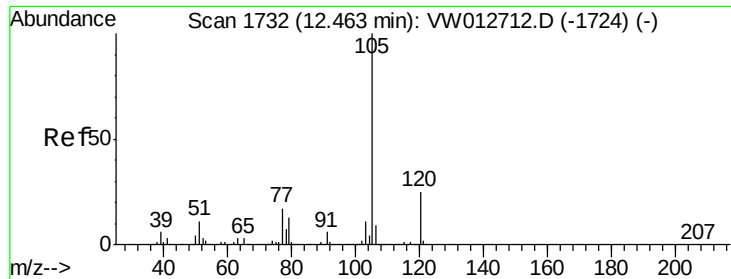
Acq: 07 Sep 2019 13:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 59.5  | 30.0  | 90.1  |
| 150     | 172.8 | 0.0   | 349.0 |



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





#73

Isopropylbenzene

Concen: 53.454 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW012717.D

Acq: 07 Sep 2019 13:39

Instrument :

MSVOA\_W

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 561062

Ion Ratio Lower Upper

105 100

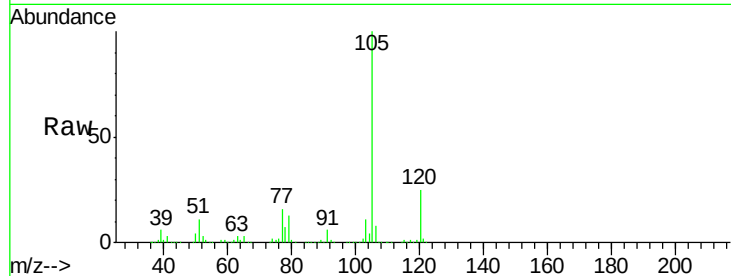
120 25.5 13.0 38.9

Manual Integrations

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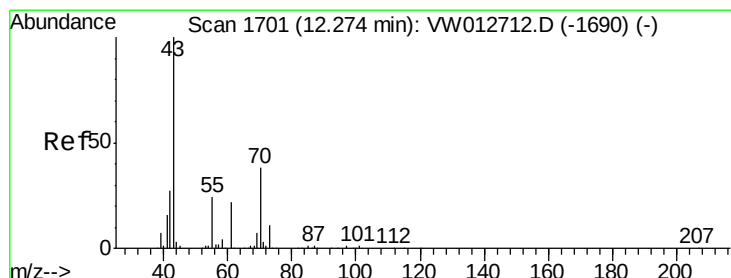
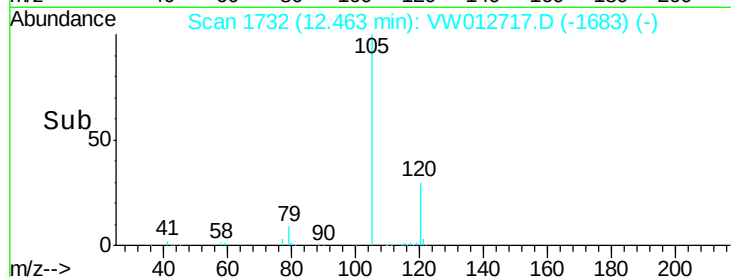
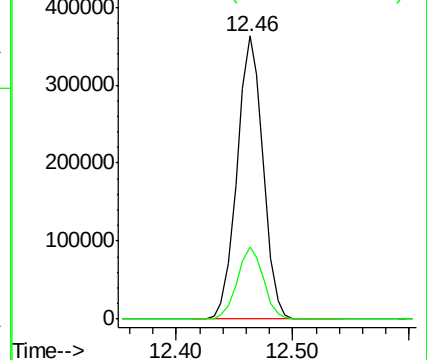
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 53.374 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW012717.D

Acq: 07 Sep 2019 13:39

Tgt Ion: 43 Resp: 177825

Ion Ratio Lower Upper

43 100

70 37.1 29.4 44.0

55 22.8 18.6 27.8

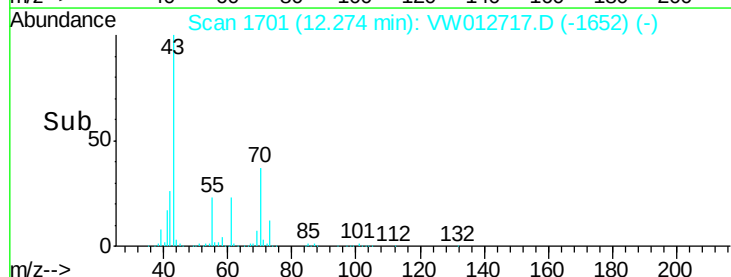
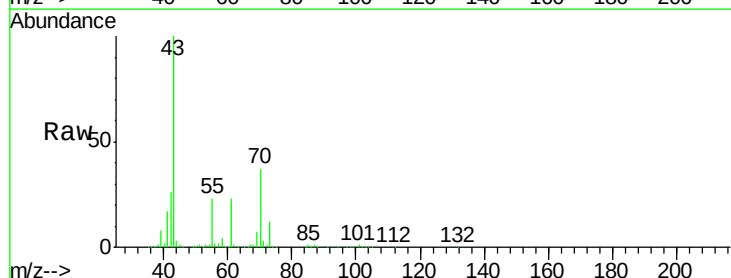
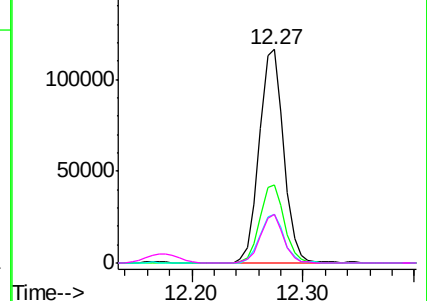
61 21.8 17.8 26.6

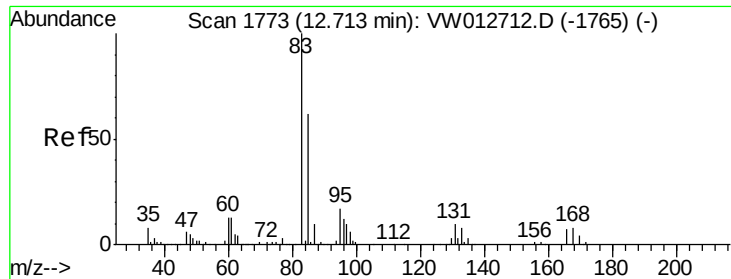
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW





#75

1,1,2,2-Tetrachloroethane

Concen: 50.173 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW012717.D

Acq: 07 Sep 2019 13:39

Instrument :

MSVOA\_W

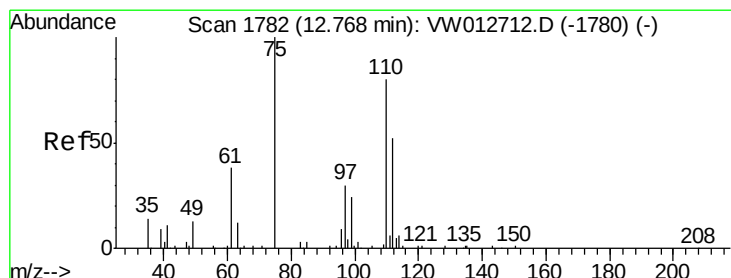
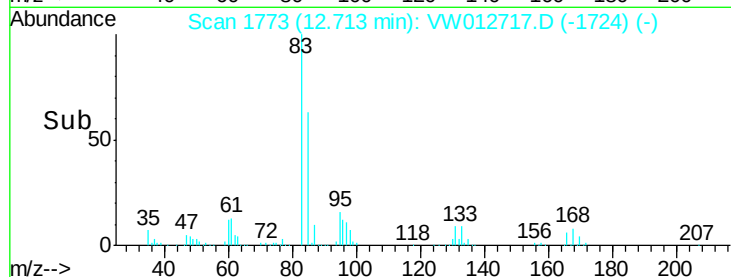
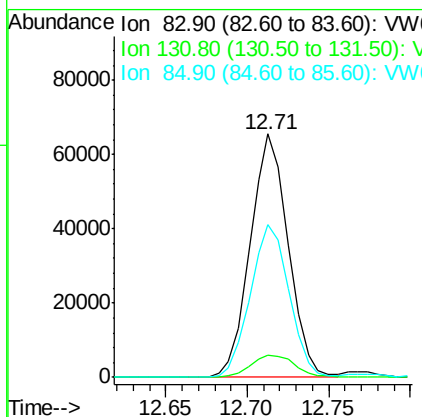
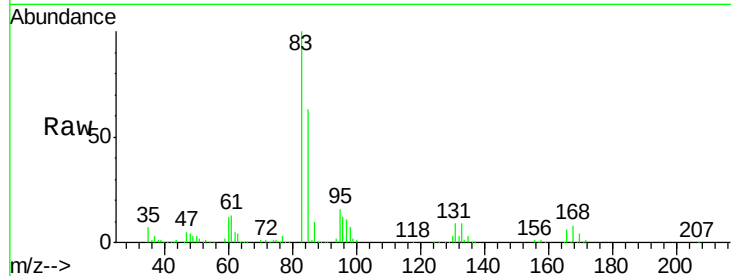
ClientSampleId :

VSTDCCC050

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 83    | Resp: | 105762 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 131       | 10.8  | 5.1   | 15.4   |
| 85        | 64.3  | 31.4  | 94.2   |

Manual Integrations  
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#76

1,2,3-Trichloropropane

Concen: 59.155 ug/l m

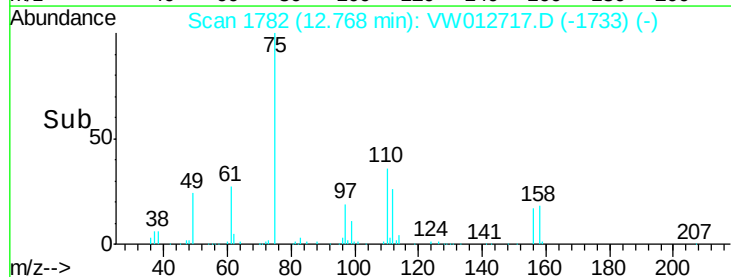
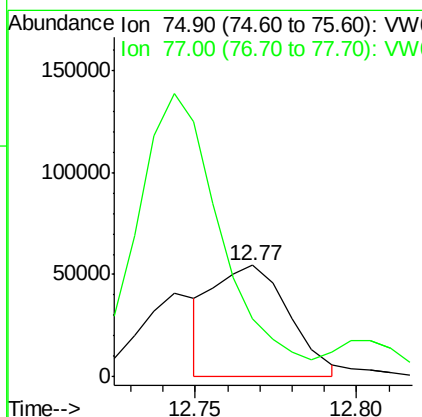
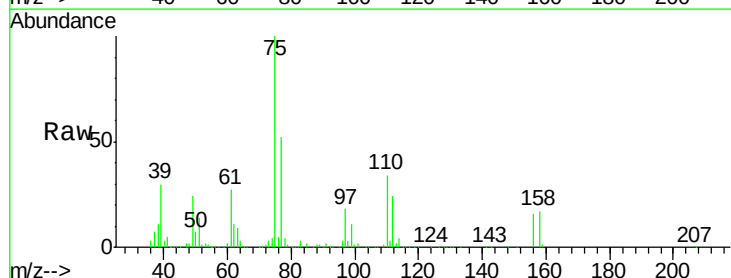
RT: 12.77 min Scan# 1782

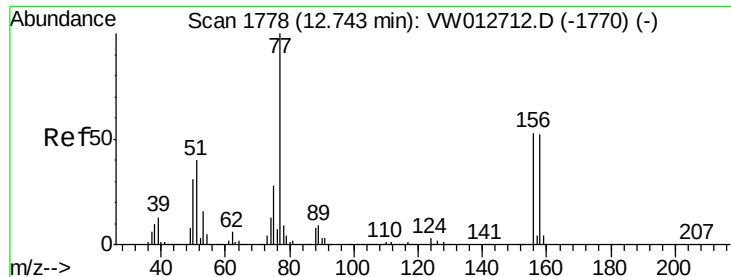
Delta R.T. 0.00 min

Lab File: VW012717.D

Acq: 07 Sep 2019 13:39

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 88522 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 77        | 0.0   | 0.0   | 0.0   |





#77

Bromobenzene

Concen: 52.353 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VW012717.D

Acq: 07 Sep 2019 13:39

Instrument :

MSVOA\_W

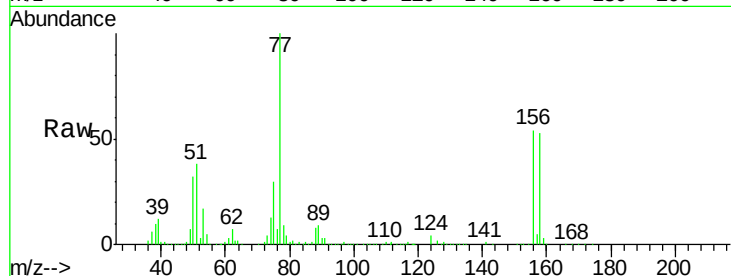
ClientSampleId :

VSTDCCC050

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 156   | Resp: | 124496 |
| Ion Ratio | Lower | Upper |        |
| 156       | 100   |       |        |
| 77        | 203.4 | 102.3 | 306.9  |
| 158       | 96.4  | 48.9  | 146.8  |

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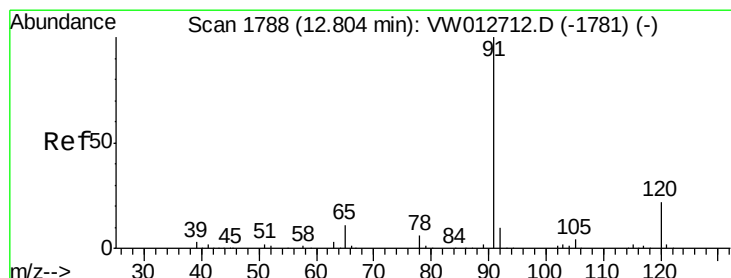
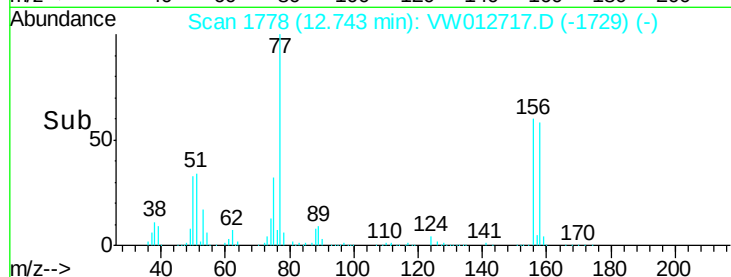
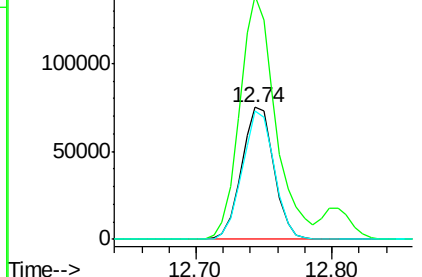
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 53.390 ug/l

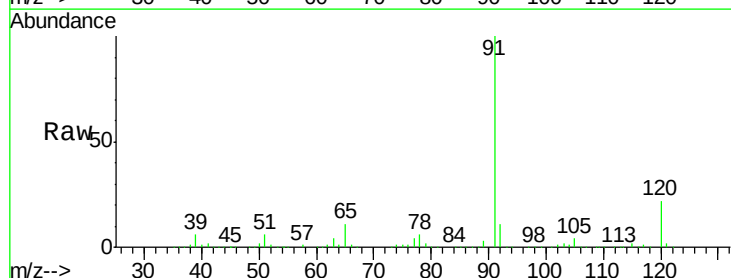
RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW012717.D

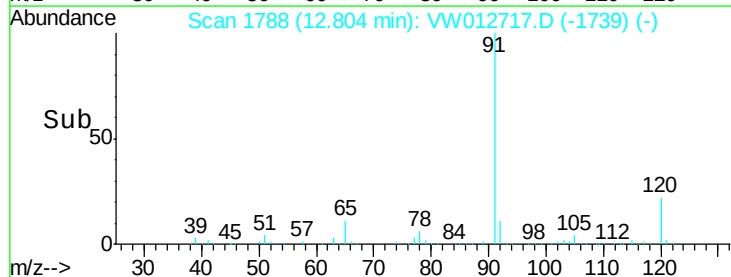
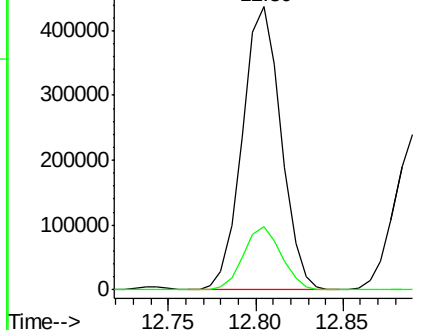
Acq: 07 Sep 2019 13:39

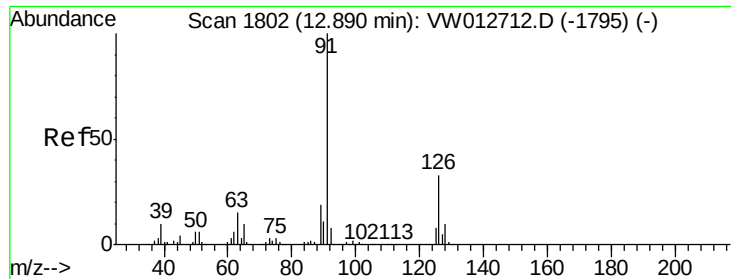
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 91    | Resp: | 670231 |
| Ion Ratio | Lower | Upper |        |
| 91        | 100   |       |        |
| 120       | 21.9  | 11.0  | 33.0   |



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 52.451 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VW012717.D

Acq: 07 Sep 2019 13:39

Instrument :

MSVOA\_W

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 377989

Ion Ratio Lower Upper

91 100

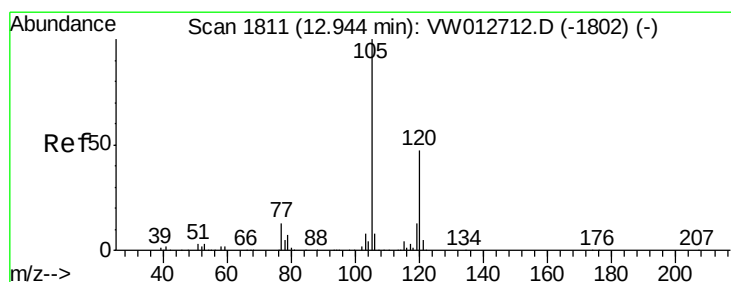
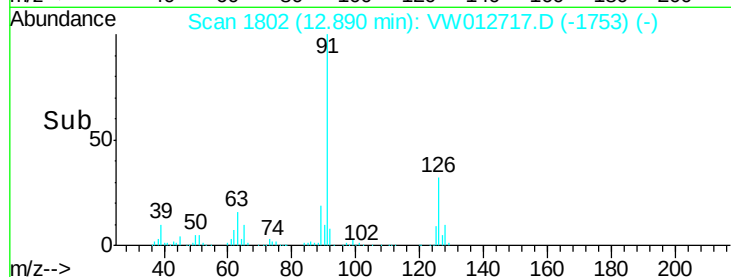
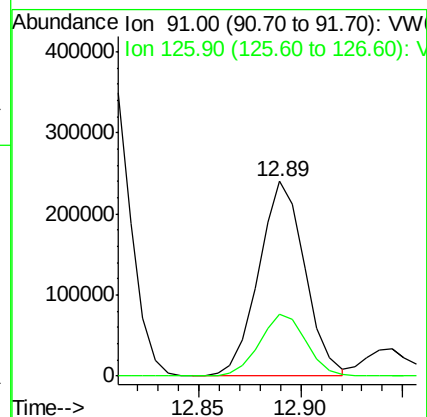
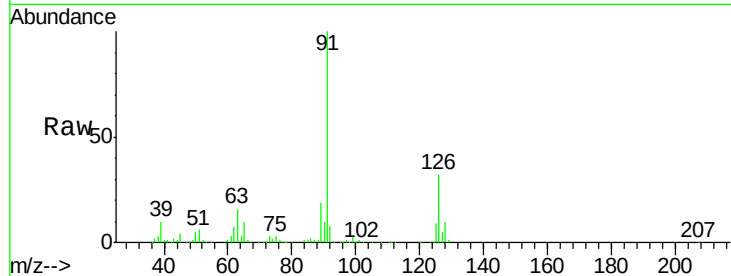
126 32.0 16.1 48.3

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#80

1,3,5-Trimethylbenzene

Concen: 52.969 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW012717.D

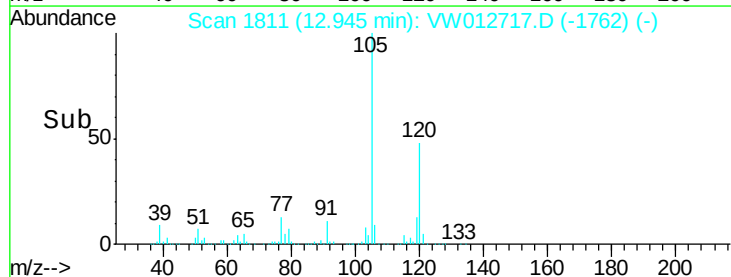
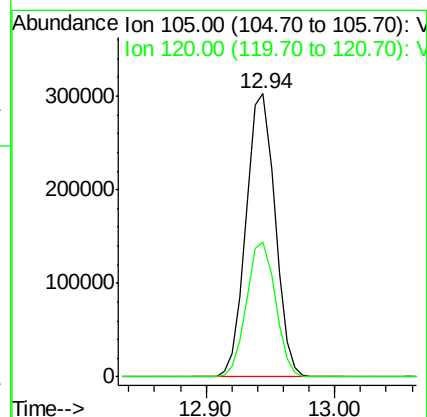
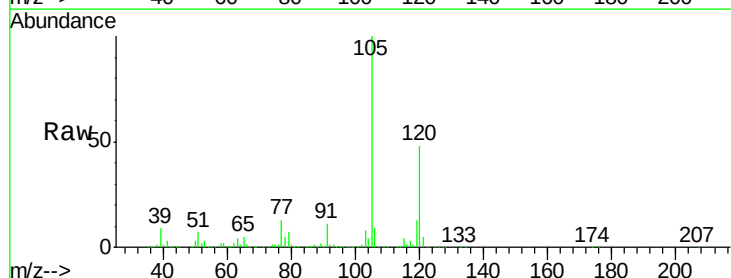
Acq: 07 Sep 2019 13:39

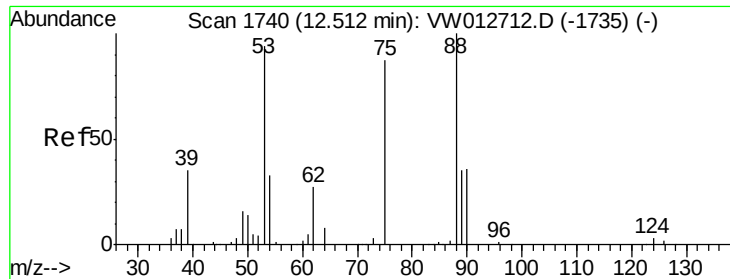
Tgt Ion: 105 Resp: 468489

Ion Ratio Lower Upper

105 100

120 47.8 23.9 71.8





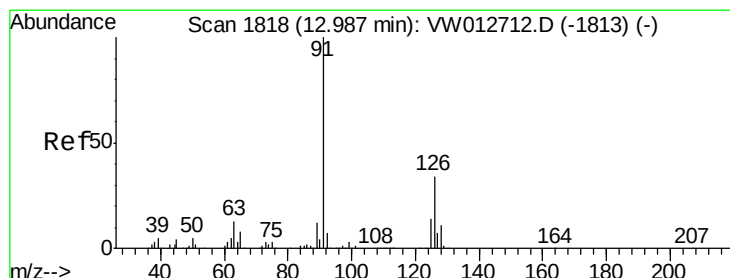
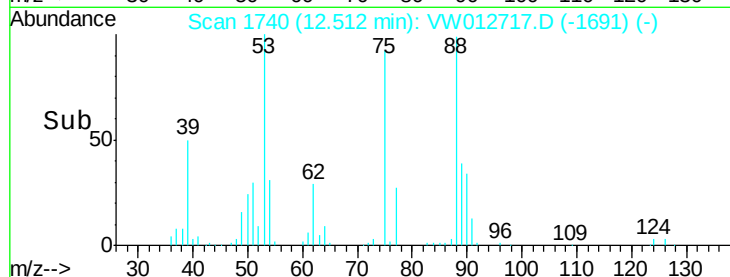
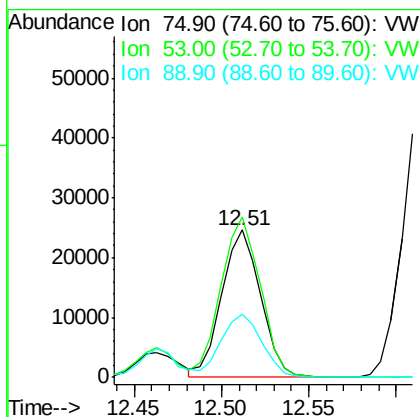
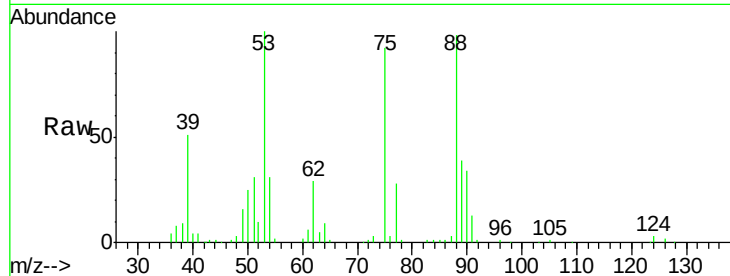
#81  
trans-1,4-Dichloro-2-butene  
Concen: 53.359 ug/l  
RT: 12.51 min Scan# 1740  
Delta R.T. 0.00 min  
Lab File: VW012717.D  
Acq: 07 Sep 2019 13:39

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 53      | 112.3 | 87.6  | 131.4 |
| 89      | 44.8  | 35.5  | 53.3  |

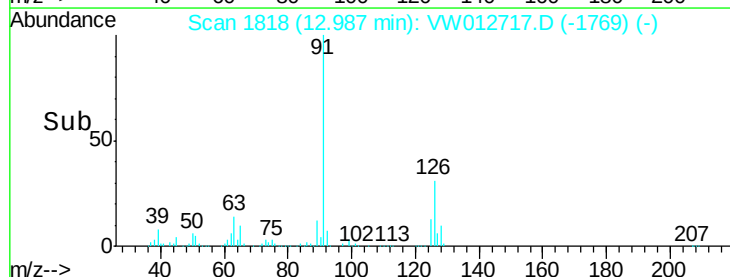
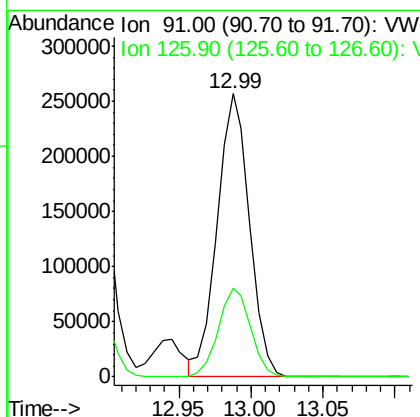
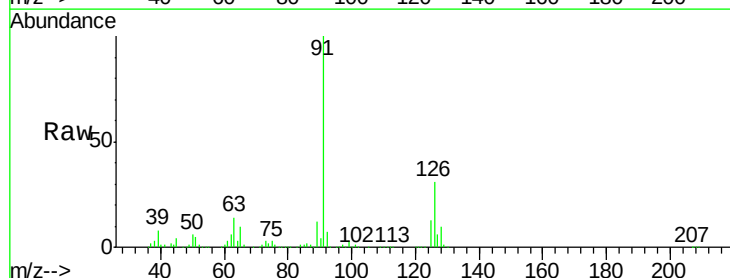
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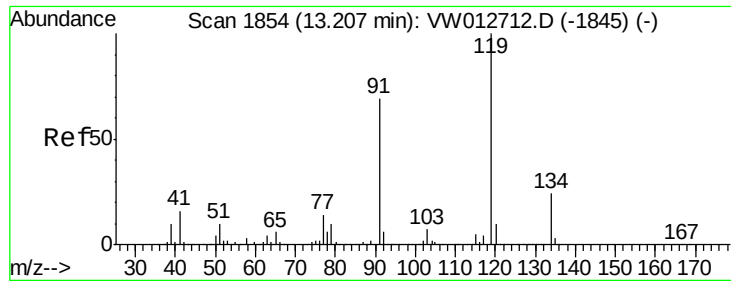
MMDadoda  
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#82  
4-Chlorotoluene  
Concen: 52.699 ug/l  
RT: 12.99 min Scan# 1818  
Delta R.T. 0.00 min  
Lab File: VW012717.D  
Acq: 07 Sep 2019 13:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 126     | 31.4  | 15.9  | 47.6  |





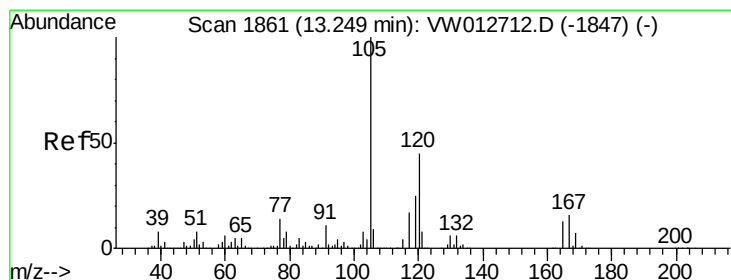
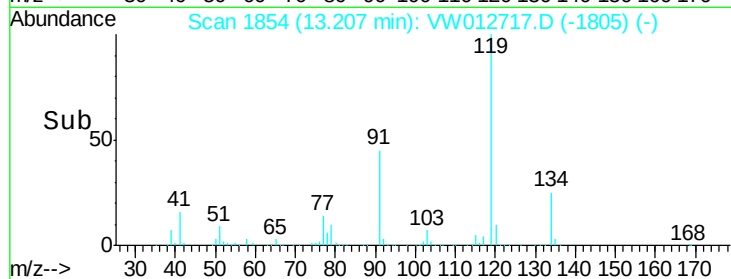
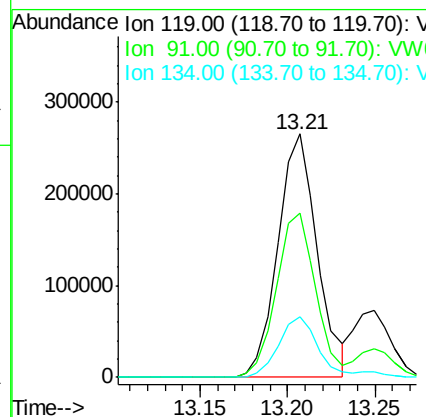
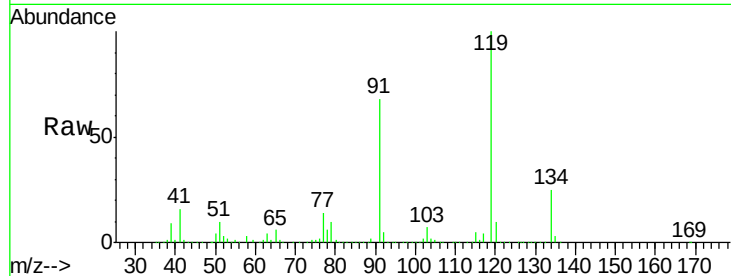
#83  
tert-Butylbenzene  
Concen: 53.281 ug/l  
RT: 13.21 min Scan# 1854  
Delta R.T. 0.00 min  
Lab File: VW012717.D  
Acq: 07 Sep 2019 13:39

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 91      | 67.3  | 34.2  | 102.5 |
| 134     | 24.7  | 12.3  | 36.9  |

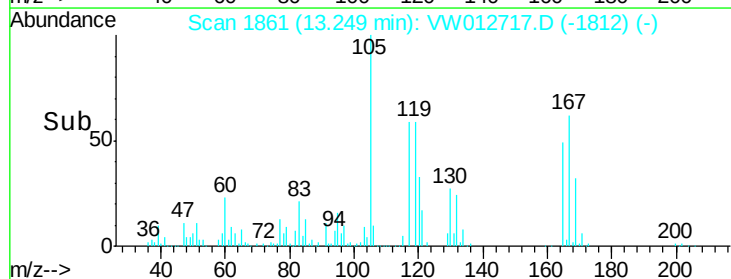
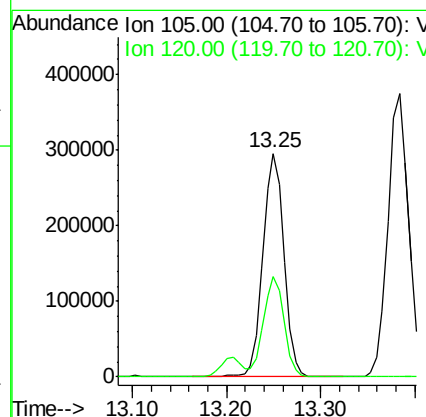
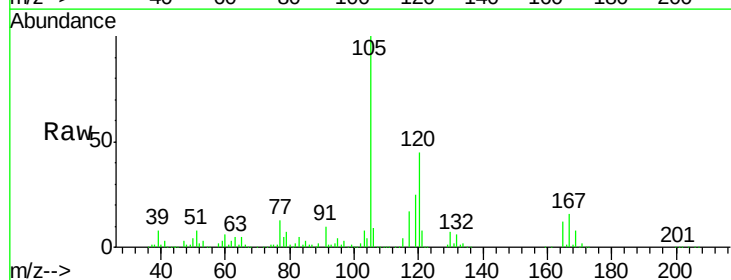
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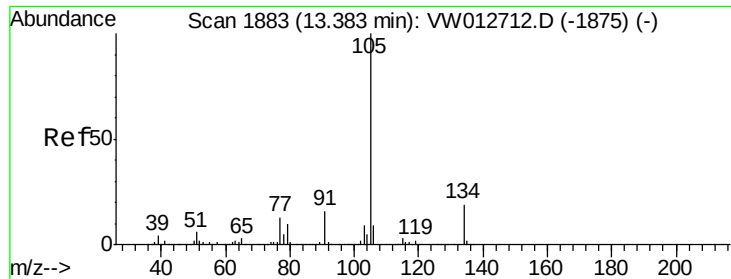
MMDadoda  
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#84  
1,2,4-Trimethylbenzene  
Concen: 52.047 ug/l  
RT: 13.25 min Scan# 1861  
Delta R.T. 0.00 min  
Lab File: VW012717.D  
Acq: 07 Sep 2019 13:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 43.5  | 22.1  | 66.3  |





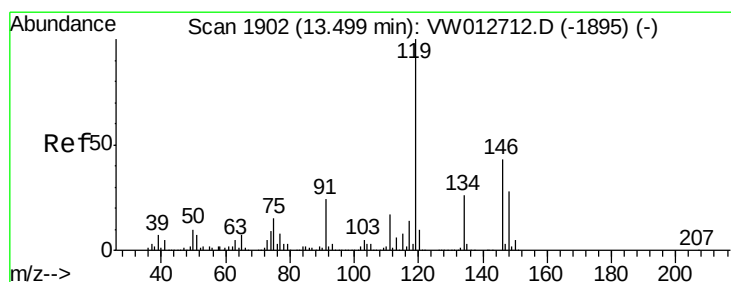
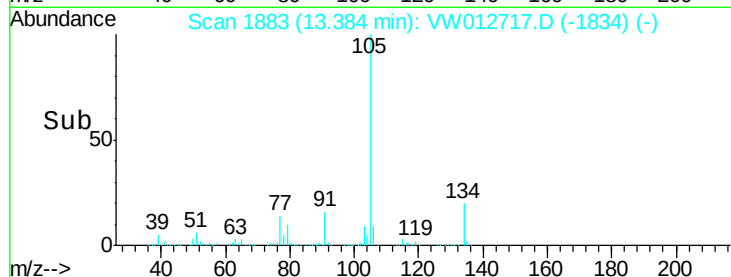
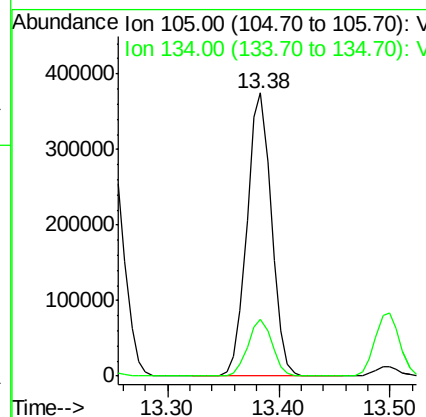
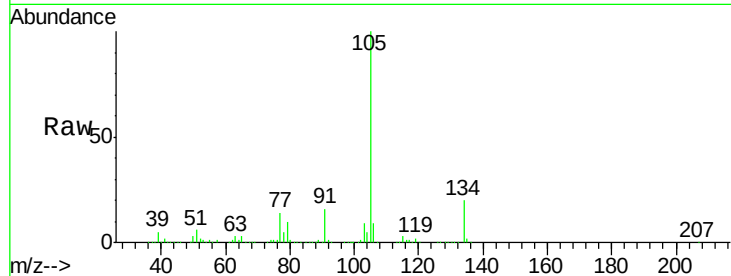
#85  
 sec-Butylbenzene  
 Concen: 52.577 ug/l  
 RT: 13.38 min Scan# 1883  
 Delta R.T. 0.00 min  
 Lab File: VW012717.D  
 Acq: 07 Sep 2019 13:39

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 105     | 100   | 570560 |       |       |
| 134     | 20.0  | 9.8    | 29.3  |       |

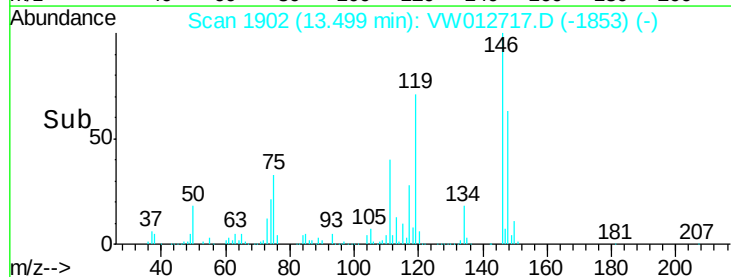
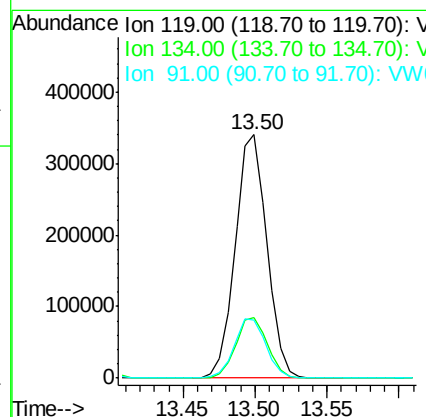
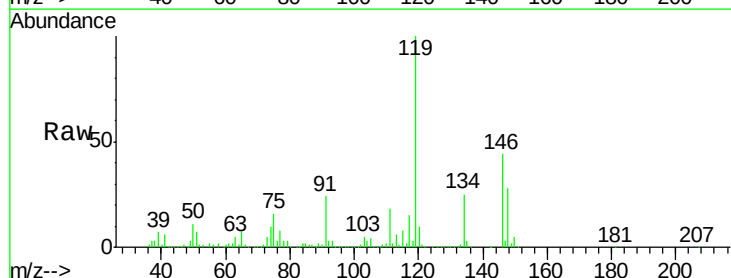
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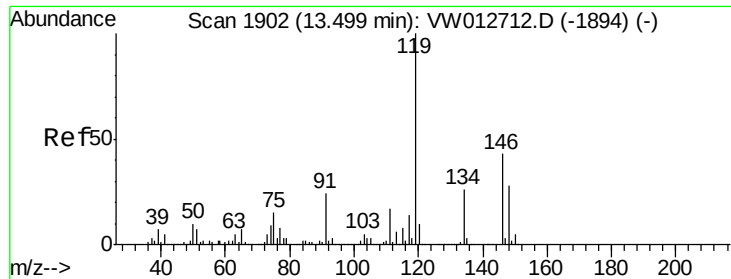


#86  
 p-Isopropyltoluene  
 Concen: 52.454 ug/l  
 RT: 13.50 min Scan# 1902  
 Delta R.T. 0.00 min  
 Lab File: VW012717.D  
 Acq: 07 Sep 2019 13:39

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 119     | 100   | 519939 |       |       |
| 134     | 25.1  | 12.7   | 38.1  |       |
| 91      | 24.5  | 12.2   | 36.6  |       |







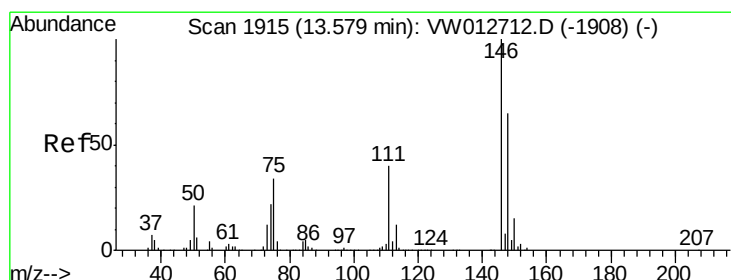
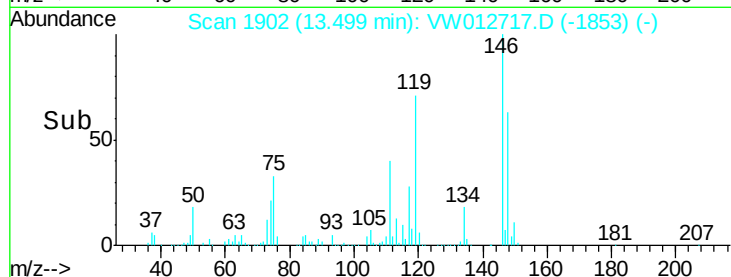
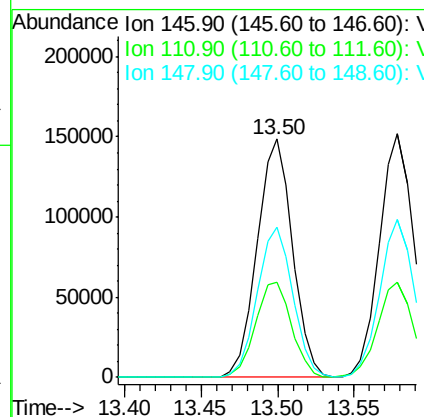
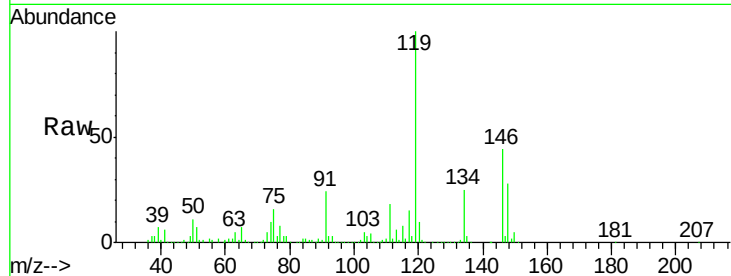
#87  
 1,3-Dichlorobenzene  
 Concen: 51.327 ug/l  
 RT: 13.50 min Scan# 1902  
 Delta R.T. 0.00 min  
 Lab File: VW012717.D  
 Acq: 07 Sep 2019 13:39

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 146     | 100   | 239906 |       |       |
| 111     | 40.7  | 20.4   | 61.2  |       |
| 148     | 63.2  | 31.8   | 95.4  |       |

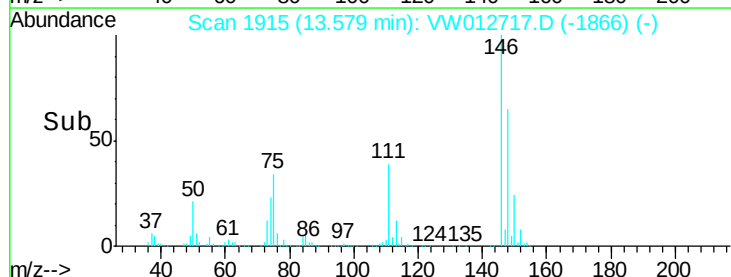
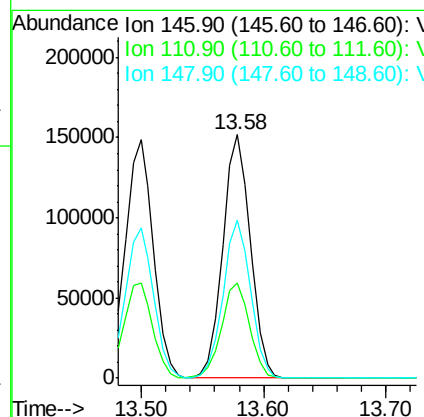
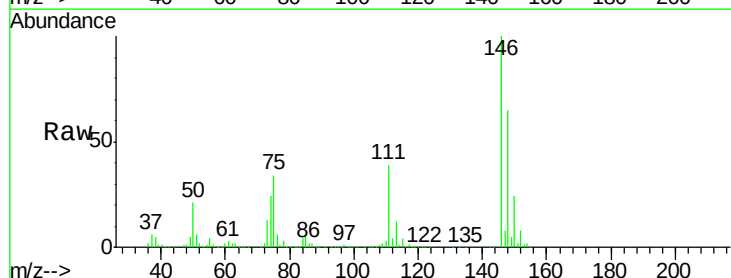
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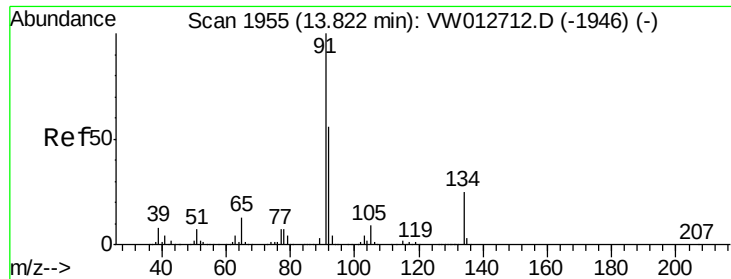
MMDadoda  
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#88  
 1,4-Dichlorobenzene  
 Concen: 51.041 ug/l  
 RT: 13.58 min Scan# 1915  
 Delta R.T. 0.00 min  
 Lab File: VW012717.D  
 Acq: 07 Sep 2019 13:39

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 146     | 100   | 237391 |       |       |
| 111     | 39.6  | 20.0   | 60.0  |       |
| 148     | 64.9  | 32.2   | 96.6  |       |





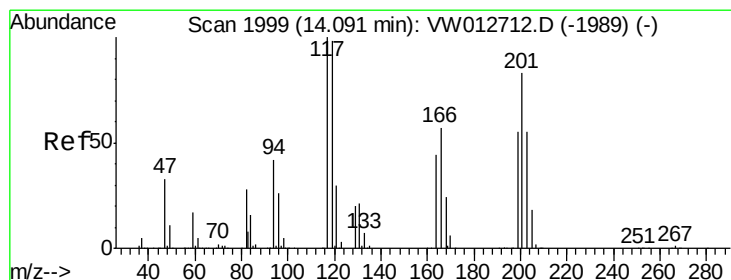
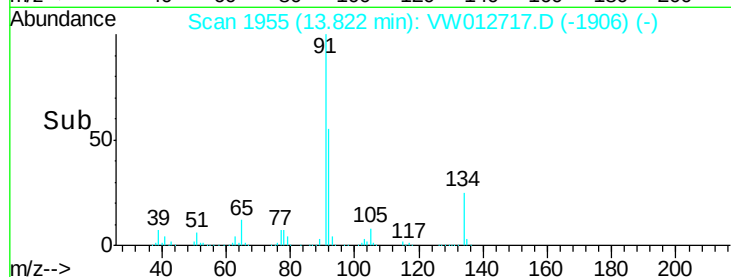
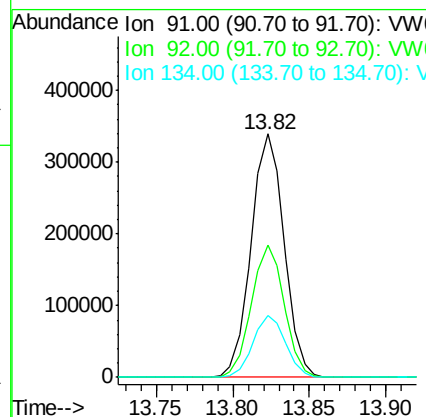
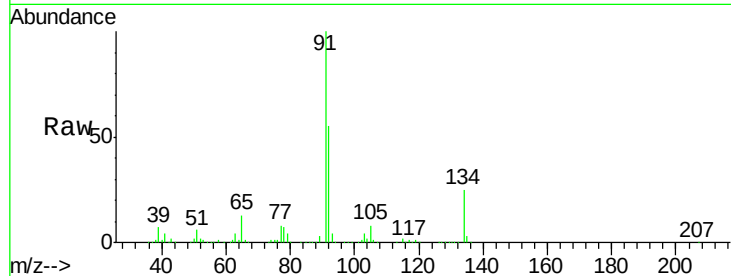
#89  
n-Butylbenzene  
Concen: 52.908 ug/l  
RT: 13.82 min Scan# 1955  
Delta R.T. 0.00 min  
Lab File: VW012717.D  
Acq: 07 Sep 2019 13:39

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 54.0  | 27.2  | 81.5  |
| 134     | 25.1  | 12.7  | 38.1  |

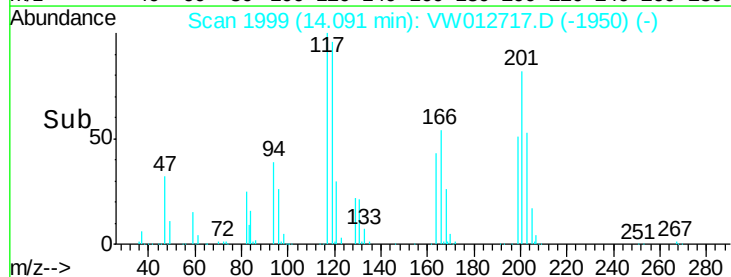
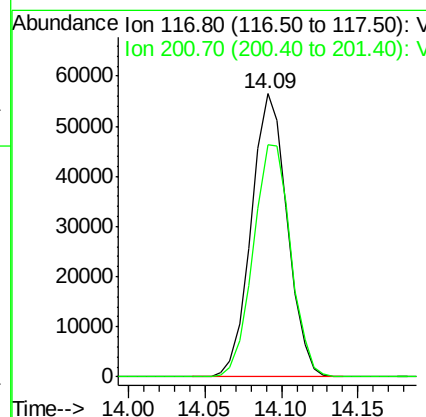
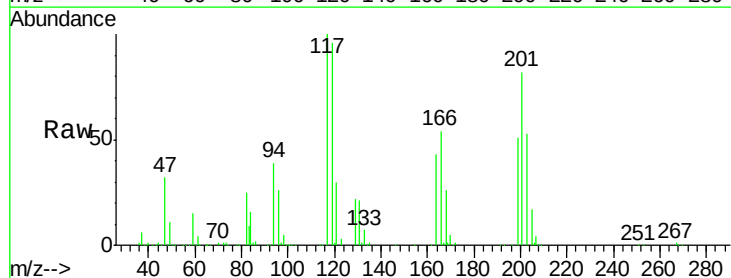
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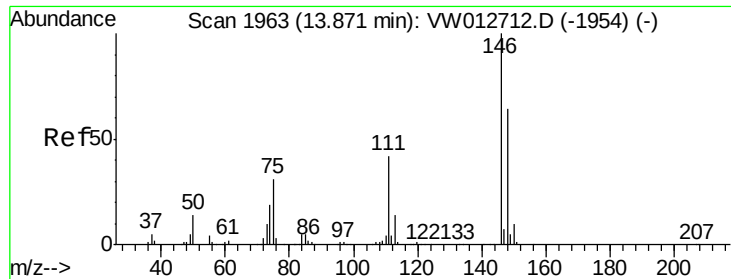
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#90  
Hexachloroethane  
Concen: 53.444 ug/l  
RT: 14.09 min Scan# 1999  
Delta R.T. 0.00 min  
Lab File: VW012717.D  
Acq: 07 Sep 2019 13:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 85.4  | 42.8  | 128.4 |





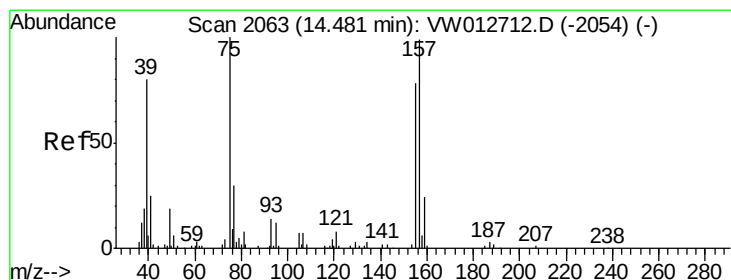
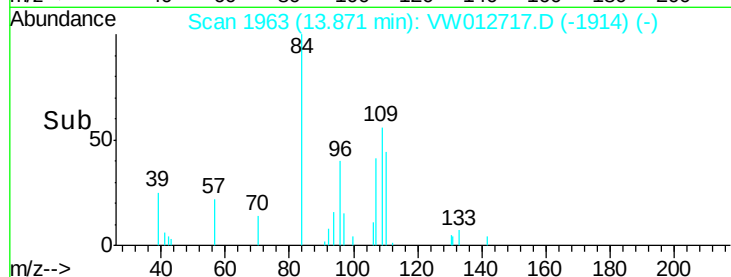
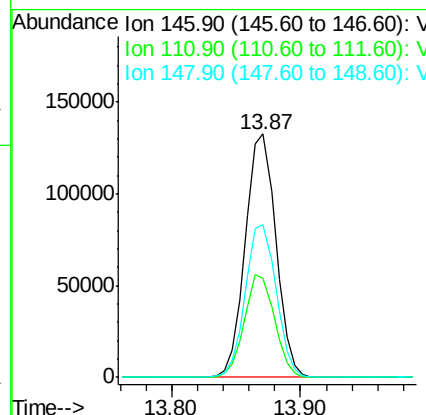
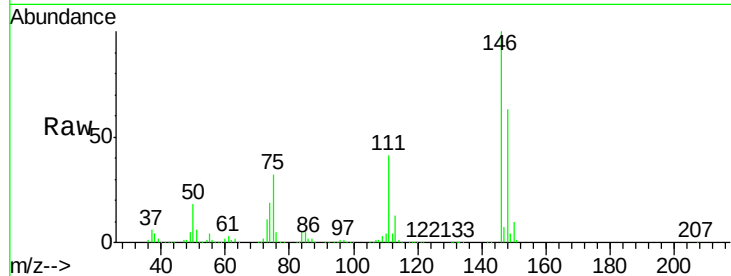
#91  
 1,2-Dichlorobenzene  
 Concen: 51.755 ug/l  
 RT: 13.87 min Scan# 1963  
 Delta R.T. 0.00 min  
 Lab File: VW012717.D  
 Acq: 07 Sep 2019 13:39

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 41.8  | 21.3  | 63.9  |
| 148     | 63.4  | 32.1  | 96.5  |

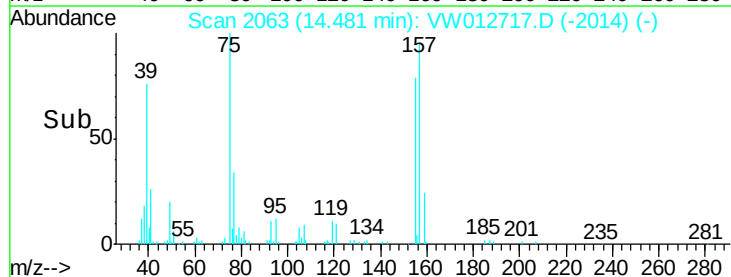
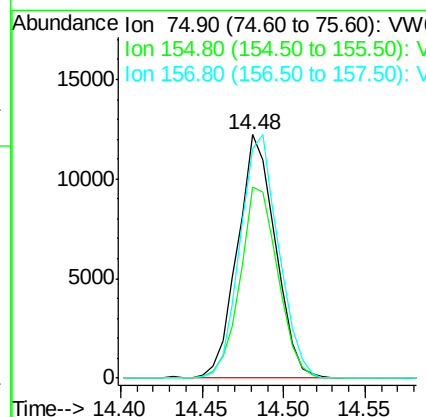
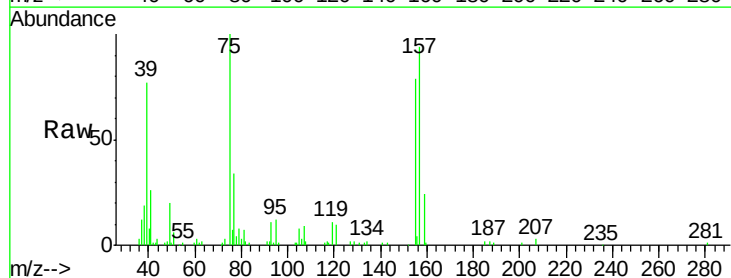
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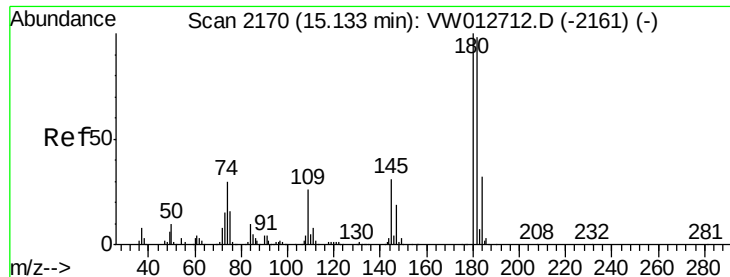
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#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 51.200 ug/l  
 RT: 14.48 min Scan# 2063  
 Delta R.T. 0.00 min  
 Lab File: VW012717.D  
 Acq: 07 Sep 2019 13:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 78.0  | 40.6  | 122.0 |
| 157     | 101.6 | 52.5  | 157.5 |





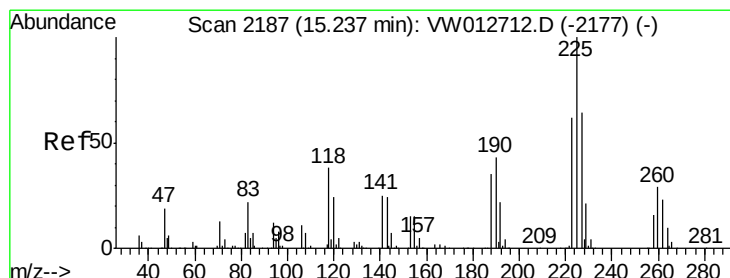
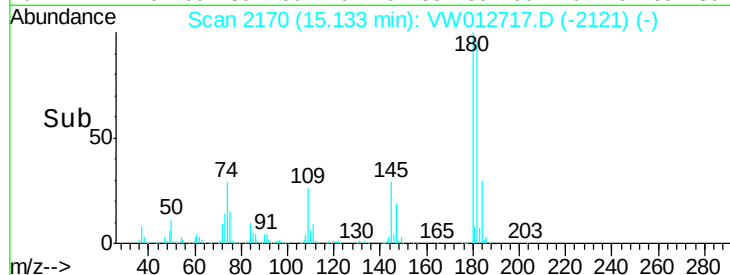
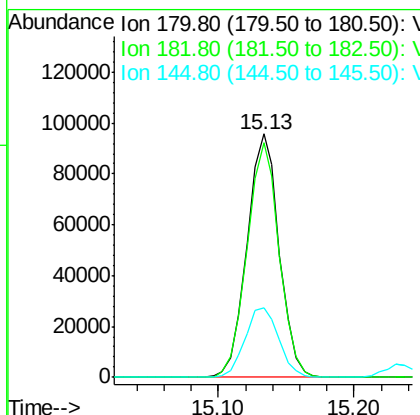
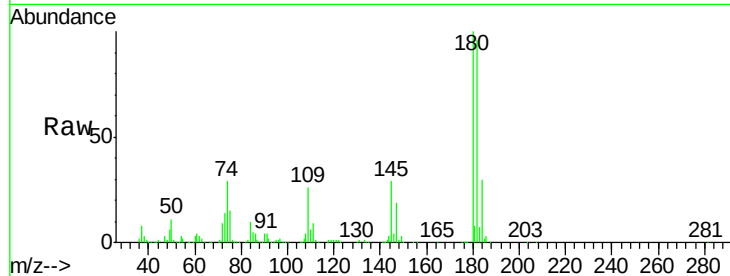
#93  
 1,2,4-Trichlorobenzene  
 Concen: 54.014 ug/l  
 RT: 15.13 min Scan# 2170  
 Delta R.T. 0.00 min  
 Lab File: VW012717.D  
 Acq: 07 Sep 2019 13:39

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 158208 |       |       |
| 182     | 96.4  | 48.7   | 146.1 |       |
| 145     | 30.2  | 15.0   | 45.1  |       |

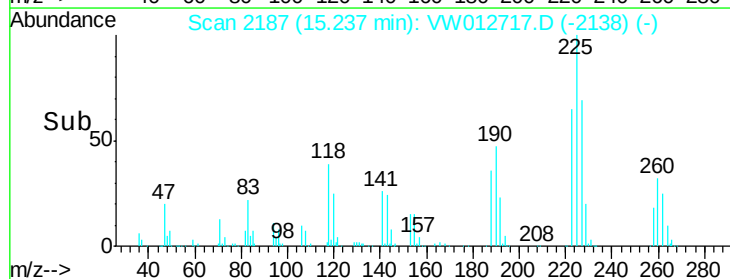
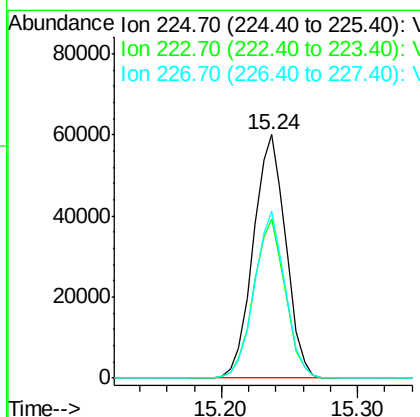
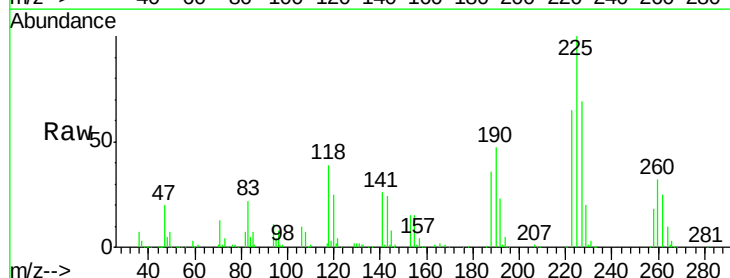
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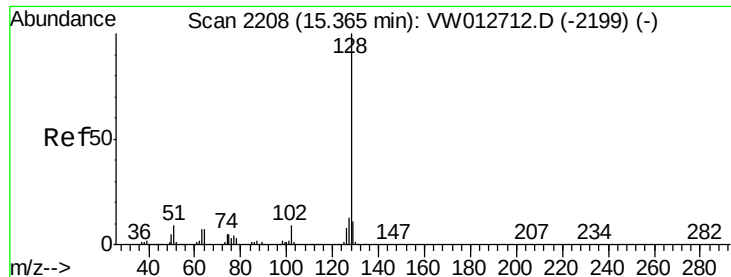
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#94  
 Hexachlorobutadiene  
 Concen: 49.595 ug/l  
 RT: 15.24 min Scan# 2187  
 Delta R.T. 0.00 min  
 Lab File: VW012717.D  
 Acq: 07 Sep 2019 13:39

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 225     | 100   | 100546 |       |       |
| 223     | 63.5  | 31.1   | 93.3  |       |
| 227     | 65.0  | 31.4   | 94.2  |       |





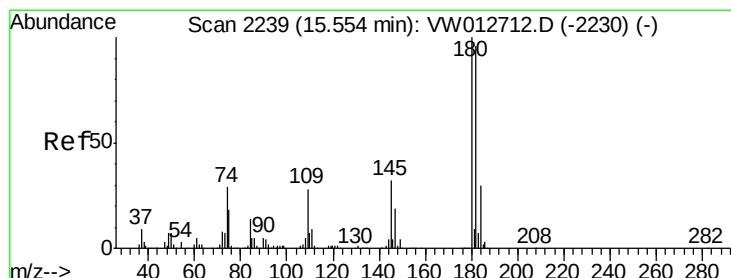
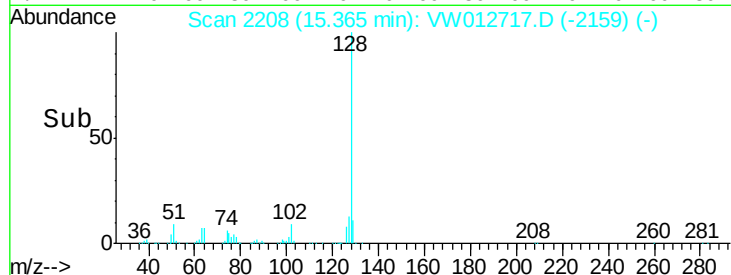
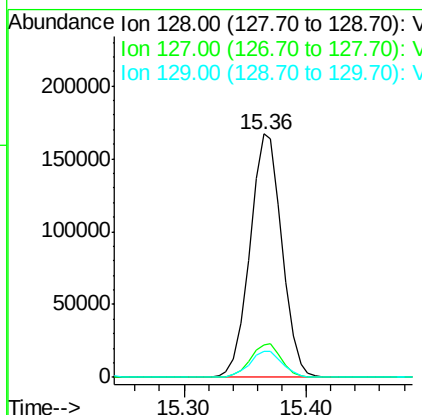
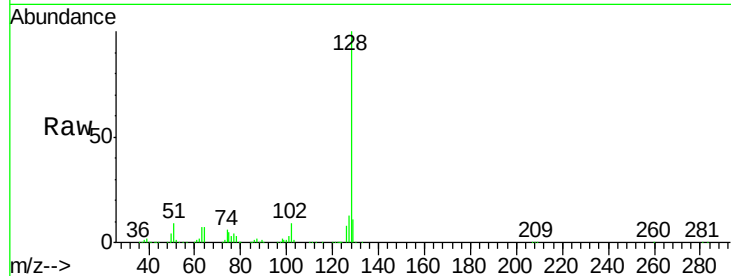
#95  
Naphthalene  
Concen: 49.367 ug/l  
RT: 15.36 min Scan# 2208  
Delta R.T. 0.00 min  
Lab File: VW012717.D  
Acq: 07 Sep 2019 13:39

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 128     | 100   | 302723 |       |       |
| 127     | 13.4  |        | 10.7  | 16.1  |
| 129     | 10.9  |        | 8.7   | 13.1  |

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#96  
1,2,3-Trichlorobenzene  
Concen: 55.027 ug/l  
RT: 15.55 min Scan# 2239  
Delta R.T. 0.00 min  
Lab File: VW012717.D  
Acq: 07 Sep 2019 13:39

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 142269 |       |       |
| 182     | 95.4  |        | 47.8  | 143.3 |
| 145     | 31.4  |        | 15.4  | 46.2  |

