

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062819\  
 Data File : VW011025.D  
 Acq On : 27 Jun 2019 17:16  
 Operator : SY/VA  
 Sample : VSTDICC150  
 Misc : 5.00G/5ML/MSVOA W/SOIL  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDICC150

Quant Time: Jun 28 01:44:03 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W062819S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jun 28 01:35:58 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.95  | 168  | 226716   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.84  | 114  | 371391   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.63 | 117  | 341290   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 165371   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 8.31  | 65   | 418721   | 149.95 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =      | 299.90% |          |
| 35) Dibromofluoromethane    | 7.88  | 113  | 328146   | 156.50 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =      | 313.00% |          |
| 50) Toluene-d8              | 10.32 | 98   | 1361526  | 148.08 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =      | 296.16% |          |
| 62) 4-Bromofluorobenzene    | 12.62 | 95   | 504397   | 150.77 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =      | 301.54% |          |

| Target Compounds              | R.T. | QIon | Response | Conc     | Units | Qvalue |
|-------------------------------|------|------|----------|----------|-------|--------|
| 2) Dichlorodifluoromethane    | 2.01 | 85   | 246154   | 119.589  | ug/l  | 98     |
| 3) Chloromethane              | 2.21 | 50   | 339055   | 114.088  | ug/l  | 97     |
| 4) Vinyl Chloride             | 2.36 | 62   | 405849   | 140.458  | ug/l  | 100    |
| 5) Bromomethane               | 2.76 | 94   | 204938   | 130.900  | ug/l  | 99     |
| 6) Chloroethane               | 2.91 | 64   | 230134   | 135.790  | ug/l  | 100    |
| 7) Trichlorofluoromethane     | 3.24 | 101  | 135617   | 41.587   | ug/l  | 90     |
| 8) Diethyl Ether              | 3.67 | 74   | 203428   | 152.693  | ug/l  | 99     |
| 9) 1,1,2-Trichlorotrifluoroet | 4.05 | 101  | 350944   | 152.495  | ug/l  | 100    |
| 10) Methyl Iodide             | 4.27 | 142  | 511599   | 231.745  | ug/l  | 99     |
| 11) Tert butyl alcohol        | 5.17 | 59   | 154886   | 712.486  | ug/l  | 98     |
| 12) 1,1-Dichloroethene        | 4.04 | 96   | 377299   | 167.108  | ug/l  | 96     |
| 13) Acrolein                  | 3.89 | 56   | 113643   | 1091.508 | ug/l  | 99     |
| 14) Allyl chloride            | 4.66 | 41   | 607059   | 128.187  | ug/l  | 98     |
| 15) Acrylonitrile             | 5.36 | 53   | 513107   | 782.607  | ug/l  | 100    |
| 16) Acetone                   | 4.12 | 43   | 535625   | 746.563  | ug/l  | 99     |
| 17) Carbon Disulfide          | 4.38 | 76   | 1126528  | 159.113  | ug/l  | 100    |
| 18) Methyl Acetate            | 4.66 | 43   | 267715   | 168.295  | ug/l  | 99     |
| 19) Methyl tert-butyl Ether   | 5.42 | 73   | 517933   | 87.562   | ug/l  | 95     |
| 20) Methylene Chloride        | 4.92 | 84   | 386975   | 150.832  | ug/l  | 98     |
| 21) trans-1,2-Dichloroethene  | 5.42 | 96   | 386364   | 153.923  | ug/l  | 99     |
| 22) Diisopropyl ether         | 6.31 | 45   | 1448478  | 148.745  | ug/l  | 97     |
| 23) Vinyl Acetate             | 6.25 | 43   | 4831513  | 815.538  | ug/l  | 100    |
| 24) 1,1-Dichloroethane        | 6.21 | 63   | 769710   | 156.345  | ug/l  | 100    |
| 25) 2-Butanone                | 7.16 | 43   | 832958   | 824.654  | ug/l  | 99     |
| 26) 2,2-Dichloropropane       | 7.16 | 77   | 352970   | 94.512   | ug/l  | 99     |
| 27) cis-1,2-Dichloroethene    | 7.16 | 96   | 420445   | 152.470  | ug/l  | 98     |
| 28) Bromochloromethane        | 7.51 | 49   | 344399   | 152.811  | ug/l  | 99     |
| 29) Tetrahydrofuran           | 7.52 | 42   | 522096   | 815.795  | ug/l  | 99     |
| 30) Chloroform                | 7.67 | 83   | 692967   | 153.976  | ug/l  | 99     |
| 31) Cyclohexane               | 7.95 | 56   | 773977   | 142.147  | ug/l  | 98     |
| 32) 1,1,1-Trichloroethane     | 7.87 | 97   | 512335   | 133.578  | ug/l  | 99     |
| 36) 1,1-Dichloropropene       | 8.08 | 75   | 581360   | 151.355  | ug/l  | 99     |
| 37) Ethyl Acetate             | 7.25 | 43   | 347303   | 160.874  | ug/l  | 99     |
| 38) Carbon Tetrachloride      | 8.06 | 117  | 492879   | 150.087  | ug/l  | 97     |

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 Sample : VSTDICC150  
 Misc : 5.00G/5ML/MSVOA W/SOIL  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDICC150

Quant Time: Jun 28 01:44:03 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W062819S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jun 28 01:35:58 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc     | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|----------|--------|----------|
| 39) Methylcyclohexane          | 9.34  | 83   | 736665   | 152.064  | ug/l   | 98       |
| 40) Benzene                    | 8.32  | 78   | 1596810  | 152.091  | ug/l   | 98       |
| 41) Methacrylonitrile          | 7.48  | 41   | 225934   | 175.216  | ug/l   | 98       |
| 42) 1,2-Dichloroethane         | 8.40  | 62   | 523965   | 156.667  | ug/l   | 99       |
| 43) Isopropyl Acetate          | 8.42  | 43   | 684244   | 165.168  | ug/l   | 99       |
| 44) Trichloroethene            | 9.09  | 130  | 386931   | 149.960  | ug/l   | 99       |
| 45) 1,2-Dichloropropane        | 9.37  | 63   | 441316   | 158.425  | ug/l   | 99       |
| 46) Dibromomethane             | 9.46  | 93   | 205444   | 158.415  | ug/l   | 100      |
| 47) Bromodichloromethane       | 9.64  | 83   | 540059   | 162.056  | ug/l   | 100      |
| 48) Methyl methacrylate        | 9.43  | 41   | 338594   | 169.486  | ug/l   | 99       |
| 49) 1,4-Dioxane                | 9.44  | 88   | 72654    | 3477.016 | ug/l   | 99       |
| 51) 4-Methyl-2-Pentanone       | 10.21 | 43   | 1792296  | 840.429  | ug/l   | 99       |
| 52) Toluene                    | 10.38 | 92   | 996786   | 154.514  | ug/l   | 100      |
| 53) t-1,3-Dichloropropene      | 10.60 | 75   | 594712   | 168.625  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene    | 10.07 | 75   | 688769   | 165.528  | ug/l   | 99       |
| 55) 1,1,2-Trichloroethane      | 10.79 | 97   | 292048   | 156.546  | ug/l   | 99       |
| 56) Ethyl methacrylate         | 10.65 | 69   | 479112   | 167.654  | ug/l   | 99       |
| 57) 1,3-Dichloropropane        | 10.93 | 76   | 562574   | 160.104  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether  | 9.92  | 63   | 1141663  | 766.946  | ug/l   | 99       |
| 59) 2-Hexanone                 | 10.97 | 43   | 1294524  | 844.426  | ug/l   | 99       |
| 60) Dibromochloromethane       | 11.13 | 129  | 336870   | 164.869  | ug/l   | 99       |
| 61) 1,2-Dibromoethane          | 11.23 | 107  | 281871   | 160.055  | ug/l   | 100      |
| 64) Tetrachloroethene          | 10.86 | 164  | 341293   | 149.799  | ug/l   | 95       |
| 65) Chlorobenzene              | 11.66 | 112  | 1013859  | 149.932  | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane  | 11.73 | 131  | 359789   | 154.602  | ug/l   | 99       |
| 67) Ethyl Benzene              | 11.73 | 91   | 1974239  | 151.896  | ug/l   | 99       |
| 68) m/p-Xylenes                | 11.84 | 106  | 1425867  | 305.484  | ug/l   | 99       |
| 69) o-Xylene                   | 12.16 | 106  | 676090   | 153.164  | ug/l   | 100      |
| 70) Styrene                    | 12.18 | 104  | 1191880  | 155.335  | ug/l   | 100      |
| 71) Bromoform                  | 12.35 | 173  | 193377   | 161.262  | ug/l # | 98       |
| 73) Isopropylbenzene           | 12.46 | 105  | 1867958  | 150.806  | ug/l   | 100      |
| 74) N-amyl acetate             | 12.27 | 43   | 680233   | 167.420  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.71 | 83   | 367179   | 154.528  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane     | 12.77 | 75   | 494614   | 283.714  | ug/l # | 100      |
| 77) Bromobenzene               | 12.75 | 156  | 407709   | 150.904  | ug/l   | 100      |
| 78) n-propylbenzene            | 12.80 | 91   | 2285336  | 152.182  | ug/l   | 99       |
| 79) 2-Chlorotoluene            | 12.90 | 91   | 1305831  | 152.216  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene     | 12.94 | 105  | 1569688  | 153.656  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-buten | 12.51 | 75   | 129579   | 172.182  | ug/l   | 93       |
| 82) 4-Chlorotoluene            | 12.99 | 91   | 1352380  | 152.516  | ug/l   | 100      |
| 83) tert-Butylbenzene          | 13.21 | 119  | 1316014  | 152.457  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene     | 13.25 | 105  | 1585568  | 154.256  | ug/l   | 100      |
| 85) sec-Butylbenzene           | 13.38 | 105  | 1897263  | 151.075  | ug/l   | 100      |
| 86) p-Isopropyltoluene         | 13.50 | 119  | 1713022  | 152.378  | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene        | 13.50 | 146  | 788602   | 150.782  | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene        | 13.58 | 146  | 780139   | 150.047  | ug/l   | 98       |
| 89) n-Butylbenzene             | 13.82 | 91   | 1735138  | 154.264  | ug/l   | 99       |
| 90) Hexachloroethane           | 14.10 | 117  | 316030   | 158.440  | ug/l   | 100      |
| 91) 1,2-Dichlorobenzene        | 13.87 | 146  | 707912   | 149.818  | ug/l   | 100      |
| 92) 1,2-Dibromo-3-Chloropropan | 14.49 | 75   | 64745    | 157.830  | ug/l   | 98       |

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Operator : SY/VA  
Sample : VSTDICC150  
Misc : 5.00G/5ML/MSVOA W/SOIL  
ALS Vial : 8 Sample Multiplier: 1

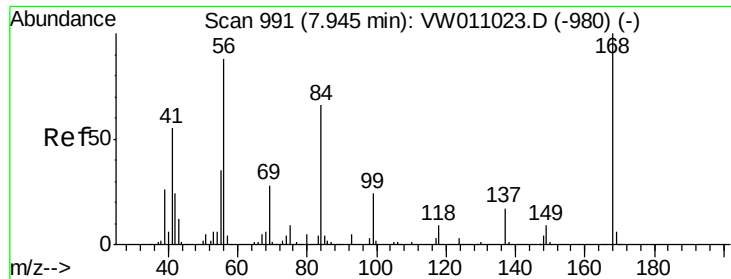
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDICC150

Quant Time: Jun 28 01:44:03 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W062819S.M  
Quant Title : SW846 8260  
QLast Update : Fri Jun 28 01:35:58 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc    | Units | Dev(Min) |
|----------------------------|-------|------|----------|---------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 15.14 | 180  | 509367   | 153.709 | ug/l  | 99       |
| 94) Hexachlorobutadiene    | 15.24 | 225  | 301115   | 145.770 | ug/l  | 98       |
| 95) Naphthalene            | 15.37 | 128  | 1010817  | 165.979 | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 15.56 | 180  | 451308   | 159.169 | ug/l  | 98       |

(#) = 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: VW011025.D

Acq: 27 Jun 2019 17:16

Instrument :

MSVOA\_W

ClientSampleId :

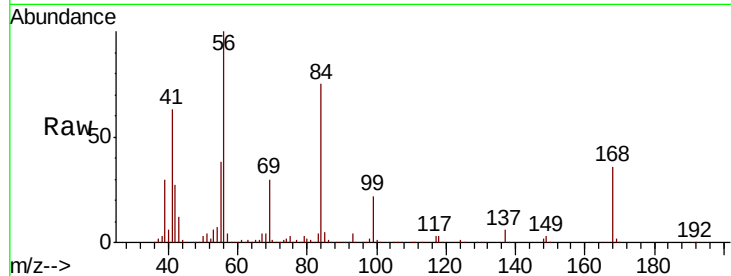
VSTDIC150

Tot Ion:168 Resp: 226716

Ion Ratio Lower Upper

168 100

99 60.0 47.8 71.6



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

150000

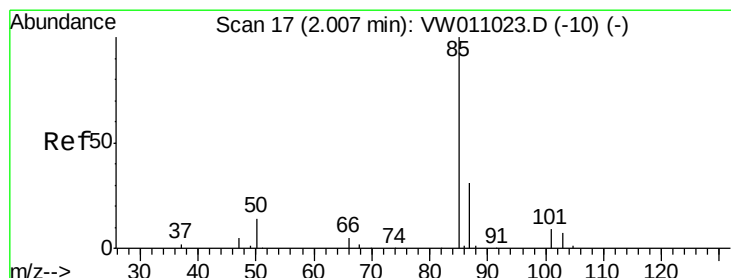
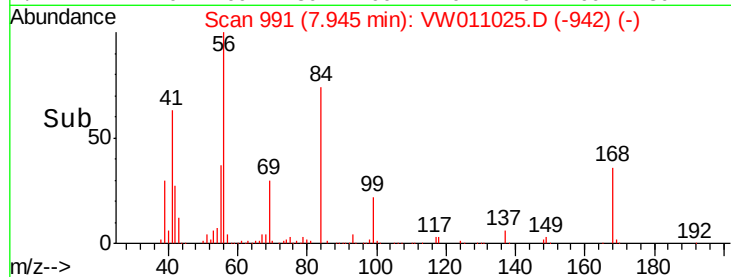
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50000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#2

Dichlorodifluoromethane

Concen: 119.589 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW011025.D

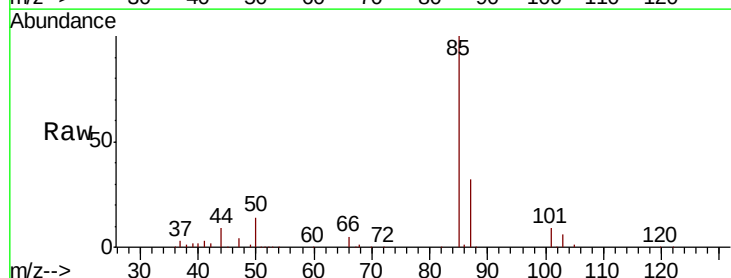
Acq: 27 Jun 2019 17:16

Tgt Ion: 85 Resp: 246154

Ion Ratio Lower Upper

85 100

87 32.4 15.7 47.0



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

80000

60000

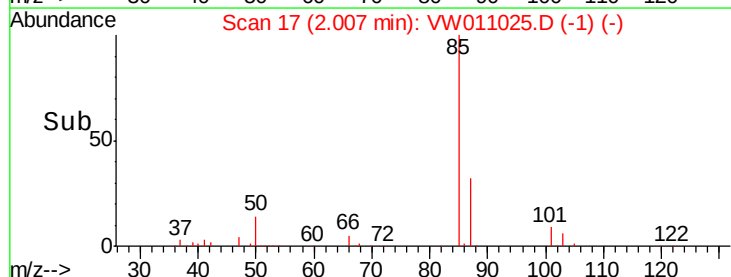
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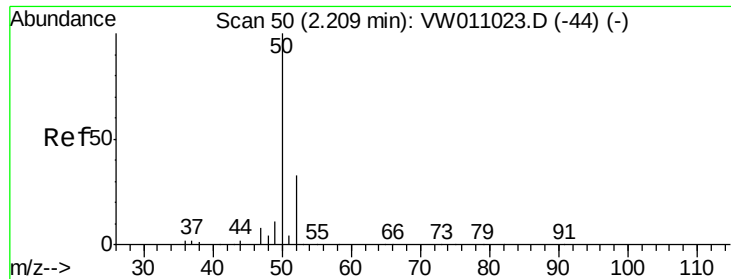
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2.00 2.20

Time-->





#3

Chloromethane

Concen: 114.088 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.01 min

Lab File: VW011025.D

Acq: 27 Jun 2019 17:16

Instrument :

MSVOA\_W

ClientSampleId :

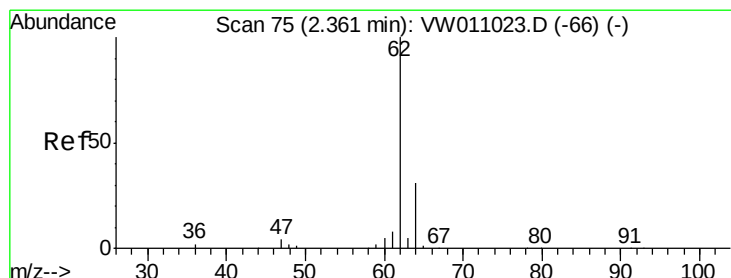
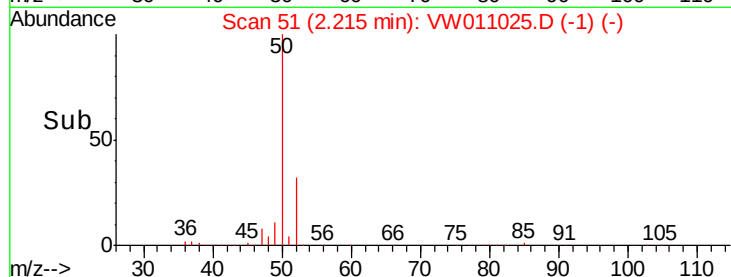
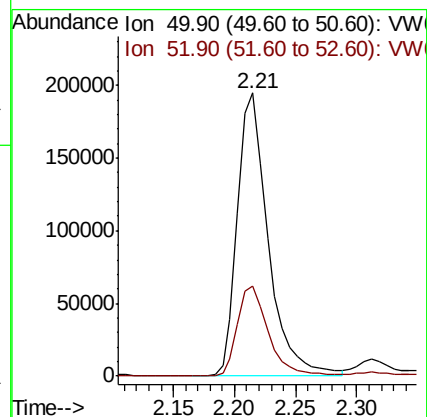
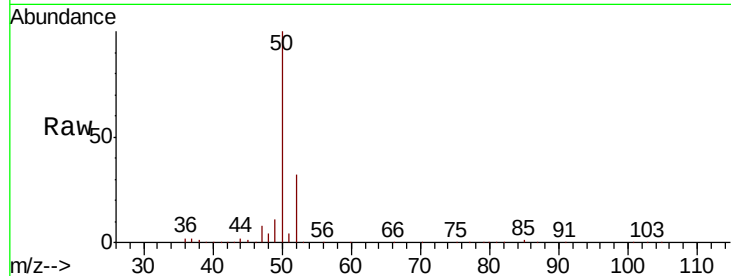
VSTDICC150

Tot Ion: 50 Resp: 339055

Ion Ratio Lower Upper

50 100

52 31.8 26.6 40.0



#4

Vinyl Chloride

Concen: 140.458 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW011025.D

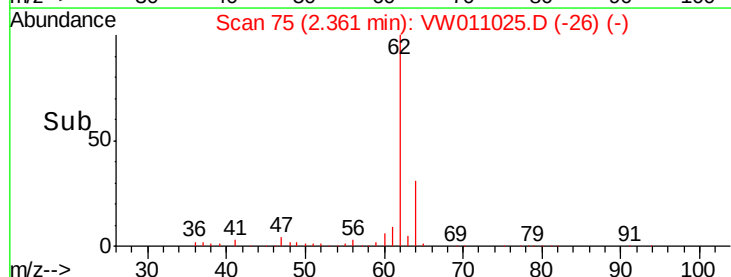
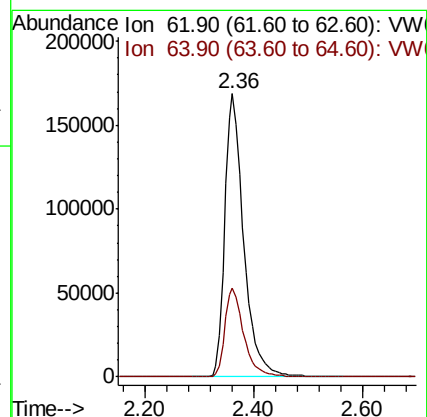
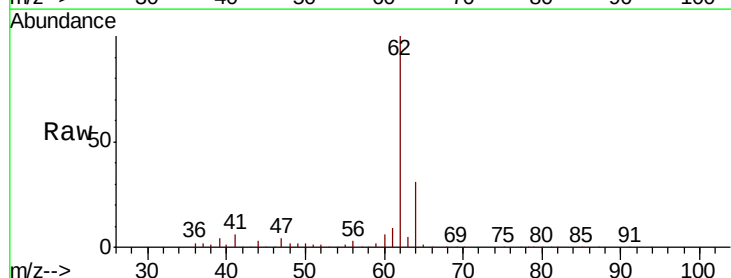
Acq: 27 Jun 2019 17:16

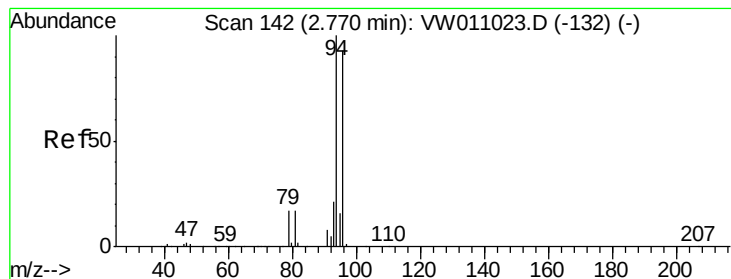
Tgt Ion: 62 Resp: 405849

Ion Ratio Lower Upper

62 100

64 31.2 24.8 37.2





#5

Bromomethane

Concen: 130.900 ug/l

RT: 2.76 min Scan# 141

Delta R.T. -0.01 min

Lab File: VW011025.D

Acq: 27 Jun 2019 17:16

Instrument :

MSVOA\_W

ClientSampleId :

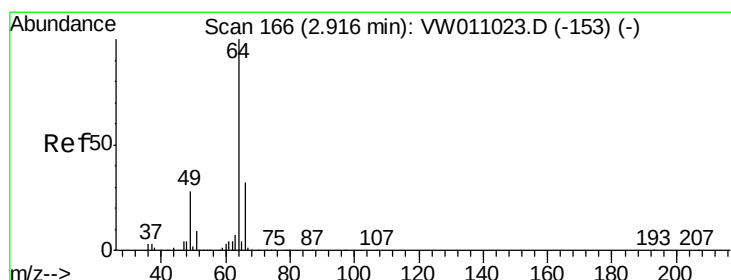
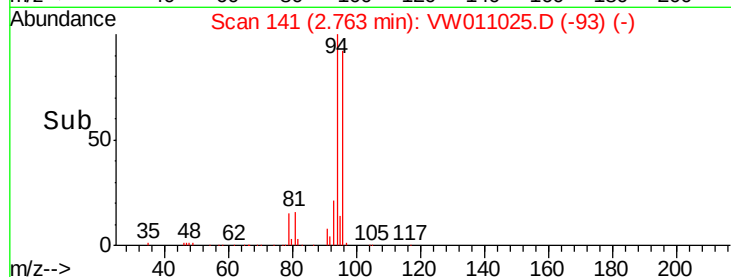
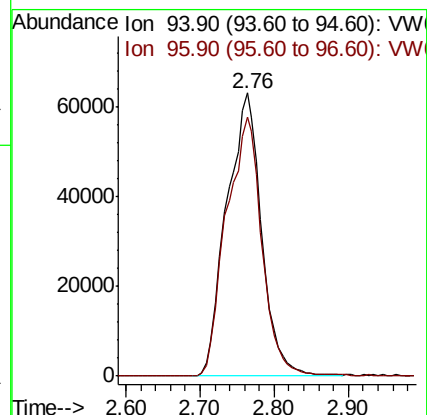
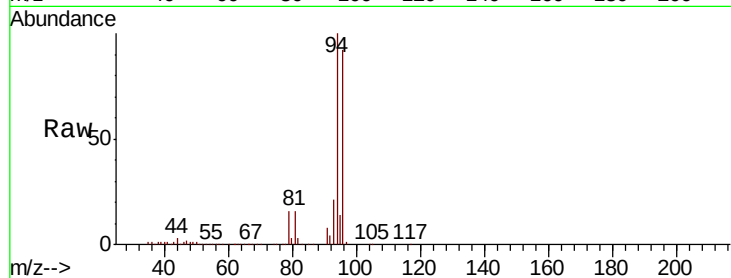
VSTDIC150

Tot Ion: 94 Resp: 204938

Ion Ratio Lower Upper

94 100

96 91.4 74.2 111.2



#6

Chloroethane

Concen: 135.790 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW011025.D

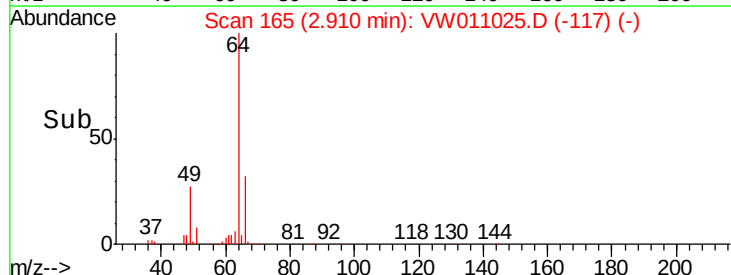
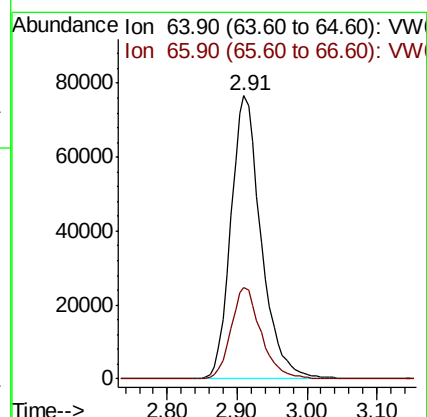
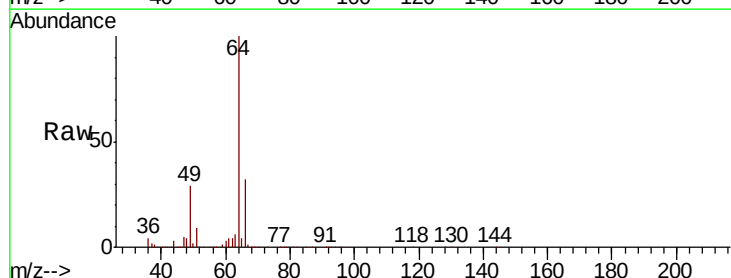
Acq: 27 Jun 2019 17:16

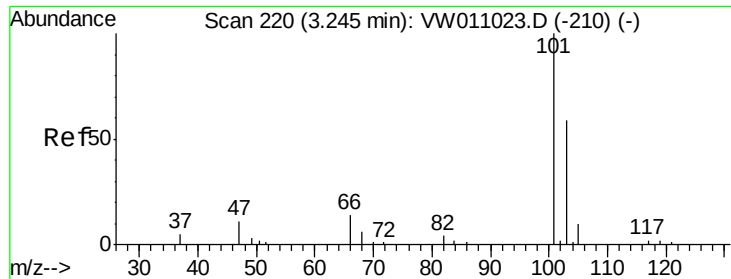
Tgt Ion: 64 Resp: 230134

Ion Ratio Lower Upper

64 100

66 32.4 25.7 38.5



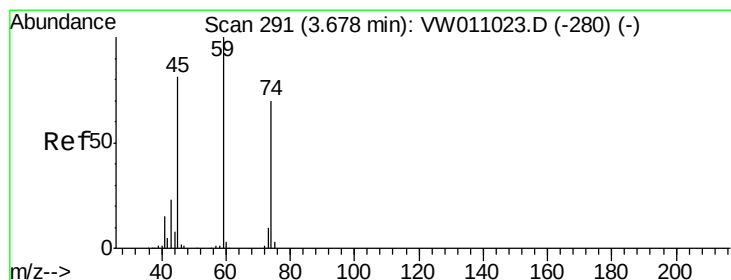
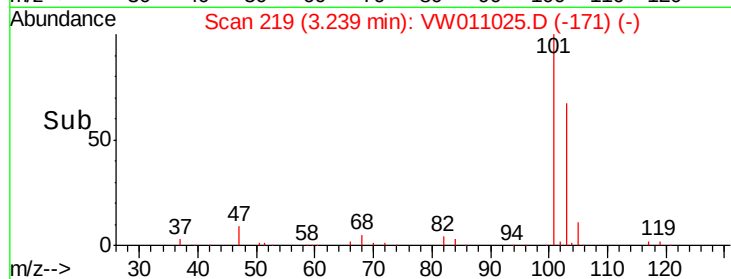
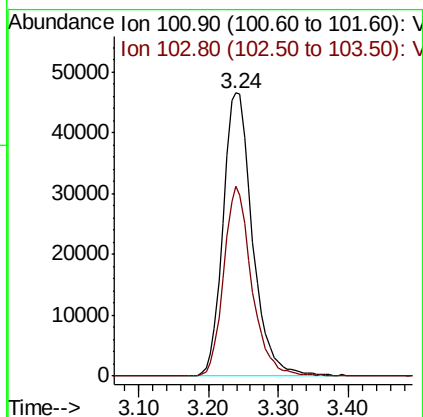
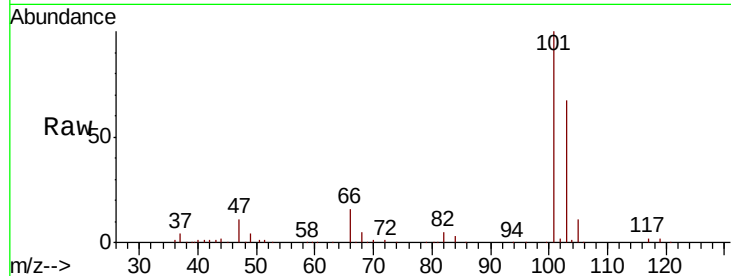


#7

Trichlorofluoromethane  
 Concen: 41.587 ug/l  
 RT: 3.24 min Scan# 219  
 Delta R.T. -0.01 min  
 Lab File: VW011025.D  
 Acq: 27 Jun 2019 17:16

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDIC150

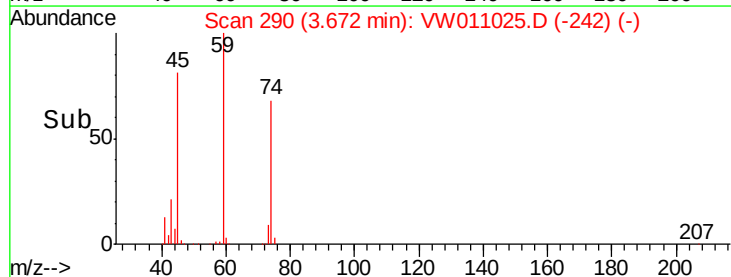
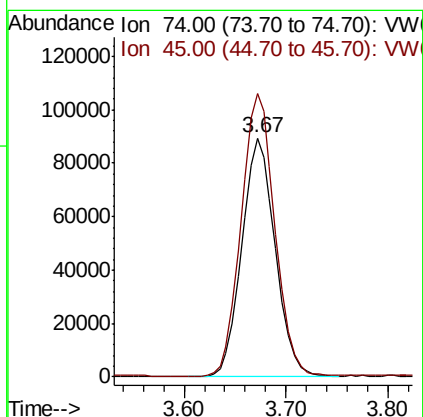
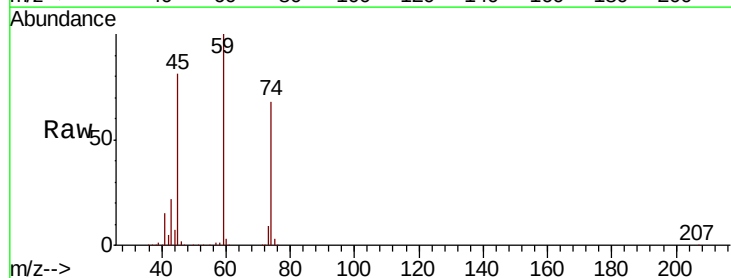
Tot Ion:101 Resp: 135617  
 Ion Ratio Lower Upper  
 101 100  
 103 67.0 47.5 71.3



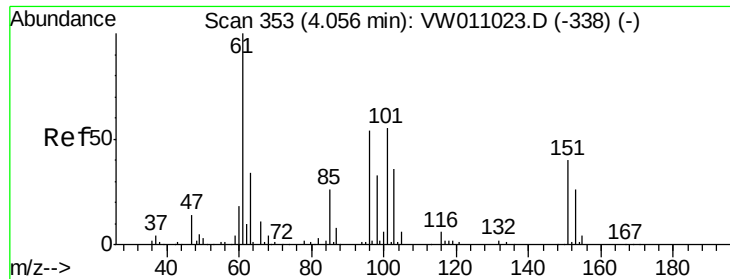
#8

Diethyl Ether  
 Concen: 152.693 ug/l  
 RT: 3.67 min Scan# 290  
 Delta R.T. -0.01 min  
 Lab File: VW011025.D  
 Acq: 27 Jun 2019 17:16

Tgt Ion: 74 Resp: 203428  
 Ion Ratio Lower Upper  
 74 100  
 45 119.9 59.5 178.5







#9

1,1,2-Trichlorotrifluoroethane

Concen: 152.495 ug/l

RT: 4.05 min Scan# 352

Delta R.T. -0.01 min

Lab File: VW011025.D

Acq: 27 Jun 2019 17:16

Instrument :

MSVOA\_W

ClientSampled :

VSTDIC150

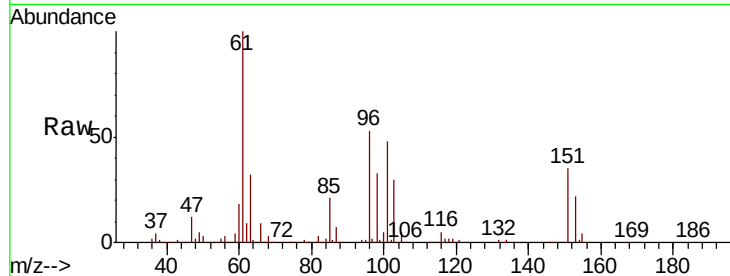
Tot Ion:101 Resp: 350944

Ion Ratio Lower Upper

101 100

85 45.4 36.6 55.0

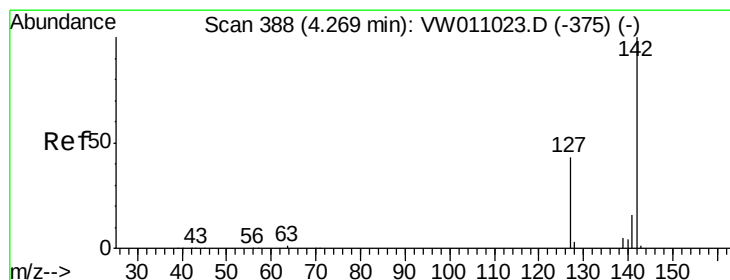
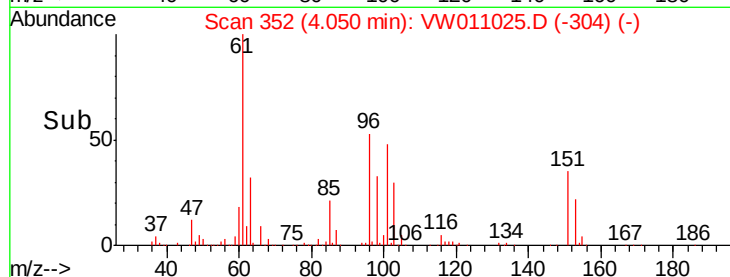
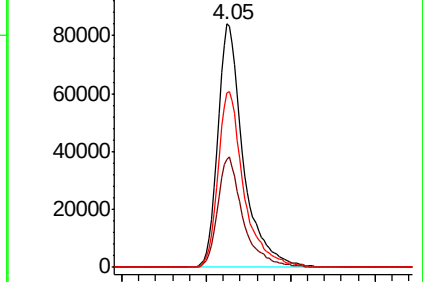
151 73.3 58.9 88.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VW

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 231.745 ug/l

RT: 4.27 min Scan# 388

Delta R.T. -0.00 min

Lab File: VW011025.D

Acq: 27 Jun 2019 17:16

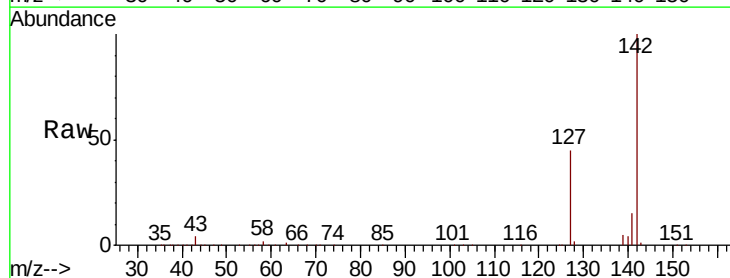
Tgt Ion:142 Resp: 511599

Ion Ratio Lower Upper

142 100

127 44.3 35.8 53.8

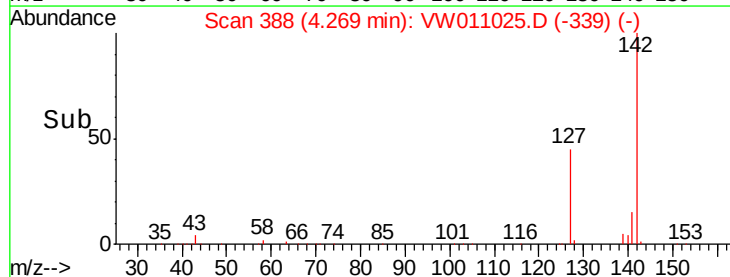
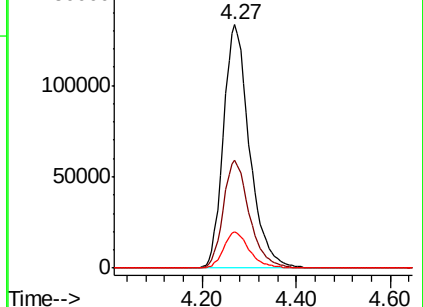
141 14.6 12.2 18.2

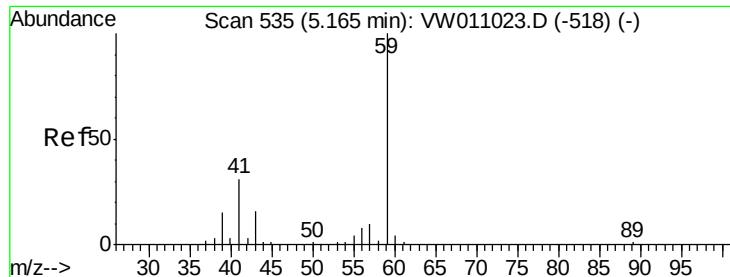


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

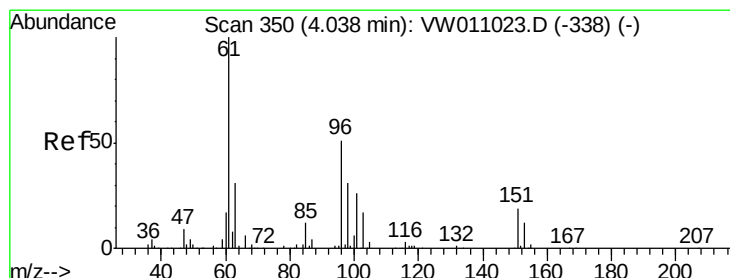
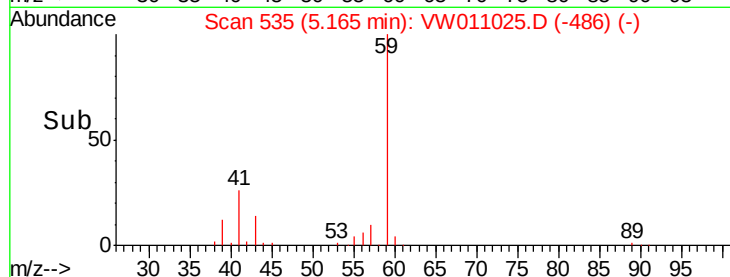
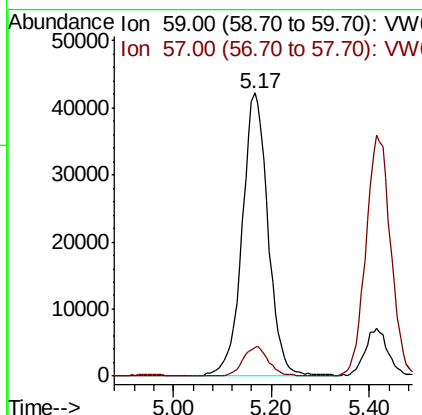
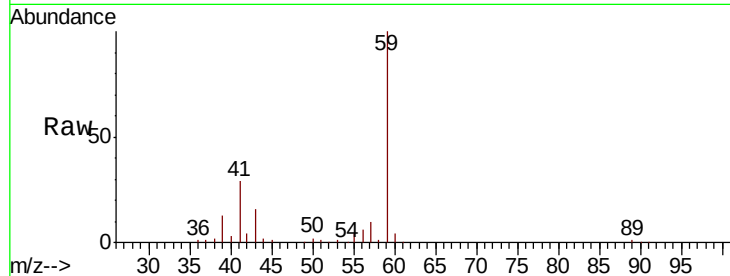




#11  
Tert butyl alcohol  
Concen: 712.486 ug/l  
RT: 5.17 min Scan# 535  
Delta R.T. -0.00 min  
Lab File: VW011025.D  
Acq: 27 Jun 2019 17:16

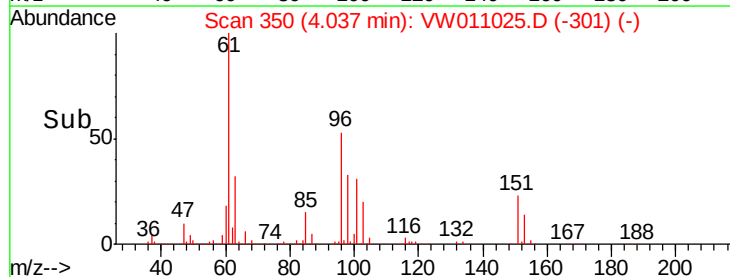
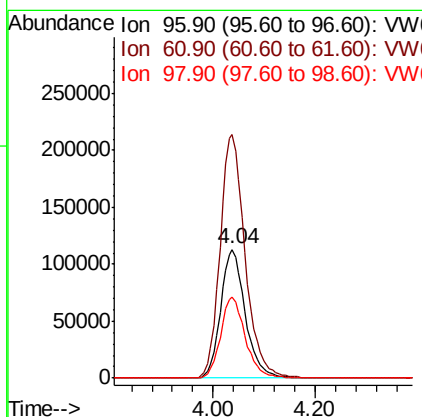
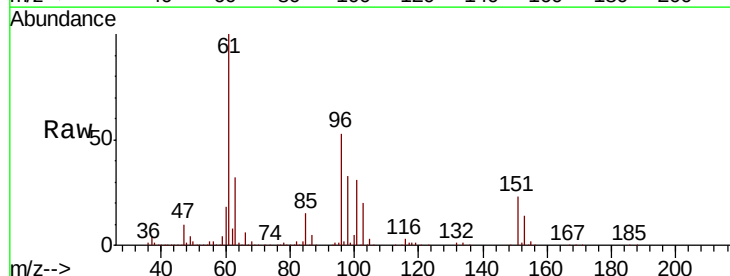
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC150

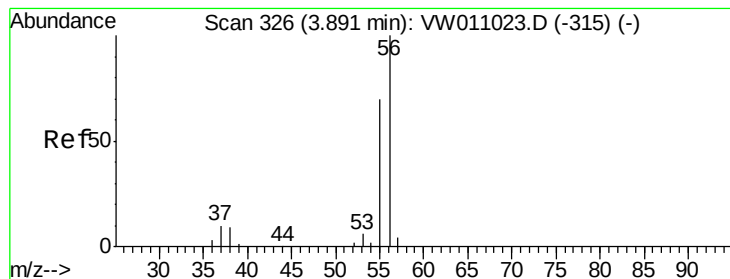
Tot Ion: 59 Resp: 154886  
Ion Ratio Lower Upper  
59 100  
57 10.4 9.0 13.4



#12  
1,1-Dichloroethene  
Concen: 167.108 ug/l  
RT: 4.04 min Scan# 350  
Delta R.T. -0.00 min  
Lab File: VW011025.D  
Acq: 27 Jun 2019 17:16

Tgt Ion: 96 Resp: 377299  
Ion Ratio Lower Upper  
96 100  
61 189.4 156.0 234.0  
98 63.0 48.7 73.1





#13

Acrolein

Concen: 1091.508 ug/l

RT: 3.89 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW011025.D

Acq: 27 Jun 2019 17:16

Instrument :

MSVOA\_W

ClientSampleId :

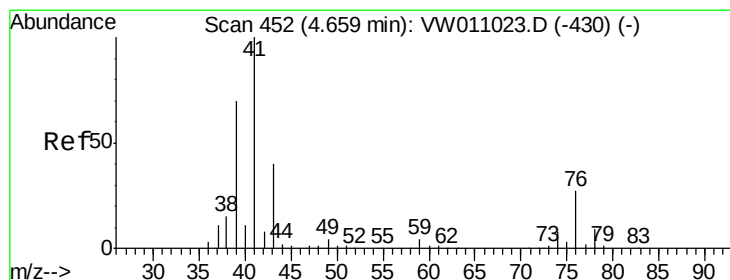
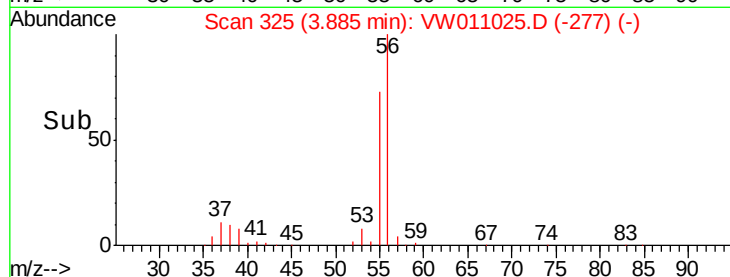
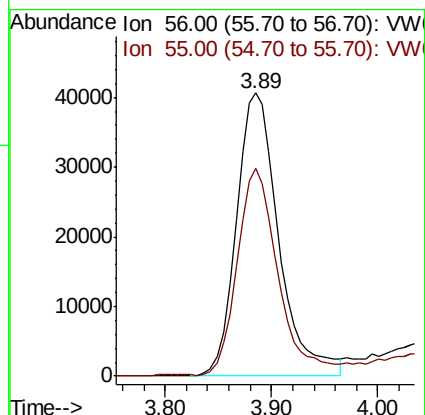
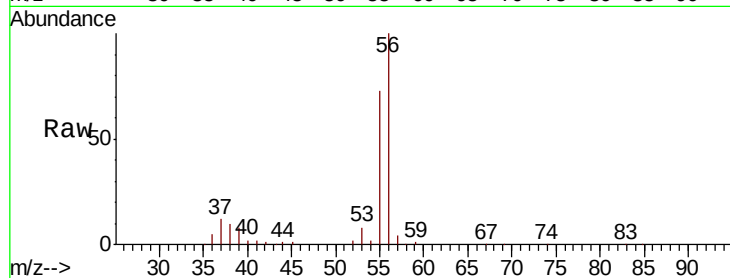
VSTDIC150

Tot Ion: 56 Resp: 113643

Ion Ratio Lower Upper

56 100

55 70.6 55.7 83.5



#14

Allyl chloride

Concen: 128.187 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.00 min

Lab File: VW011025.D

Acq: 27 Jun 2019 17:16

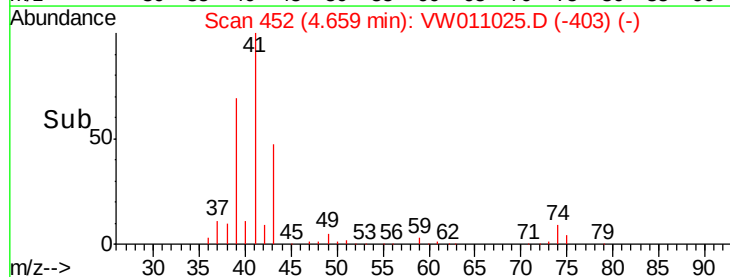
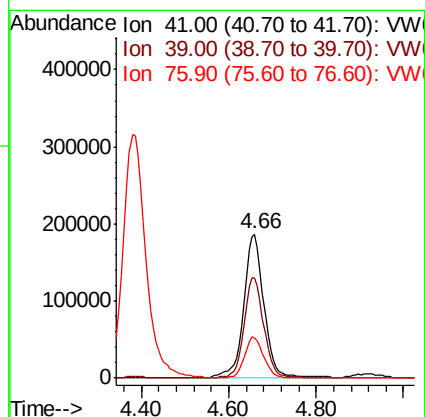
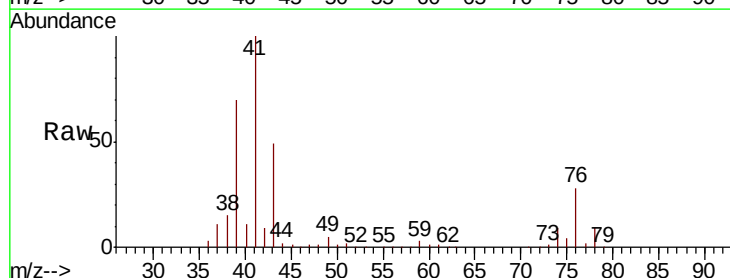
Tgt Ion: 41 Resp: 607059

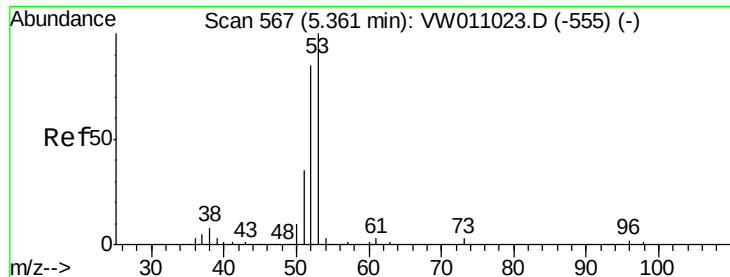
Ion Ratio Lower Upper

41 100

39 67.9 55.4 83.2

76 26.7 22.0 33.0





#15

Acrylonitrile

Concen: 782.607 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.00 min

Lab File: VW011025.D

Acq: 27 Jun 2019 17:16

Instrument :

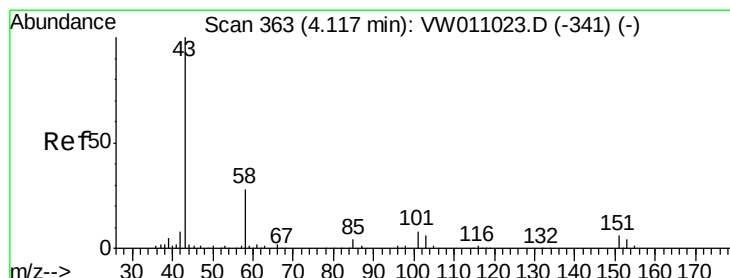
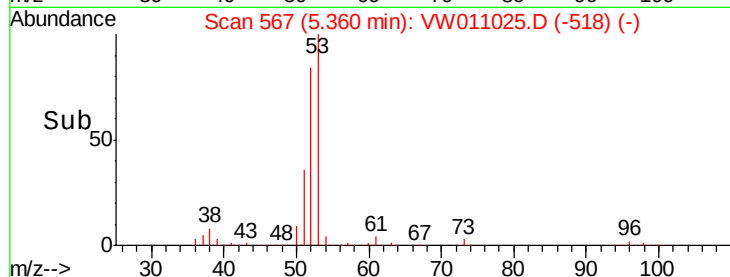
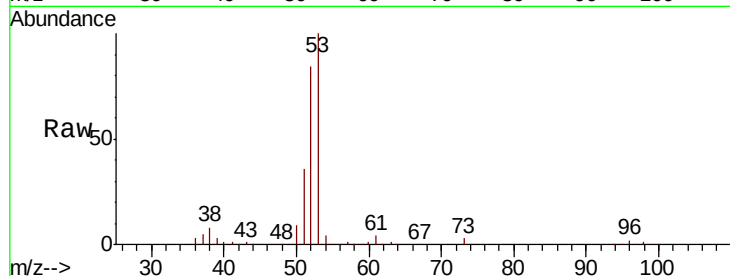
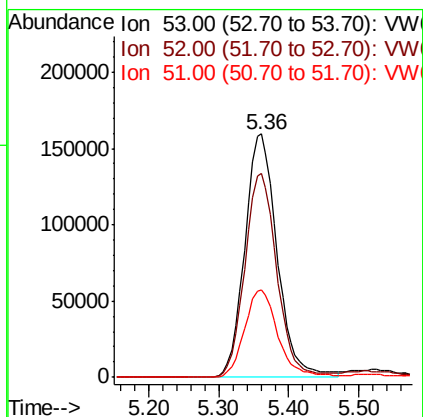
MSVOA\_W

ClientSampleId :

VSTDIC150

Tot Ion: 53 Resp: 513107

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 53  | 100   |       |       |
| 52  | 83.1  | 66.3  | 99.5  |
| 51  | 37.3  | 29.8  | 44.6  |



#16

Acetone

Concen: 746.563 ug/l

RT: 4.12 min Scan# 363

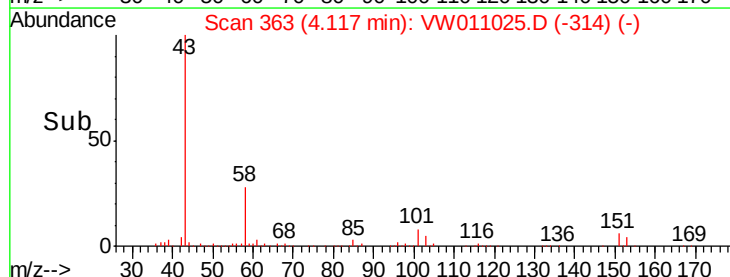
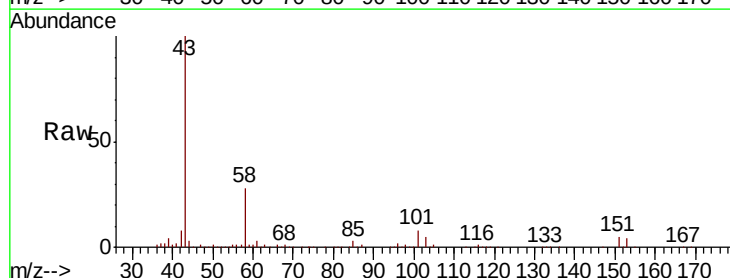
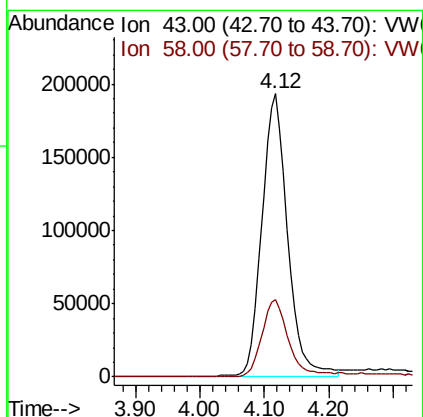
Delta R.T. -0.00 min

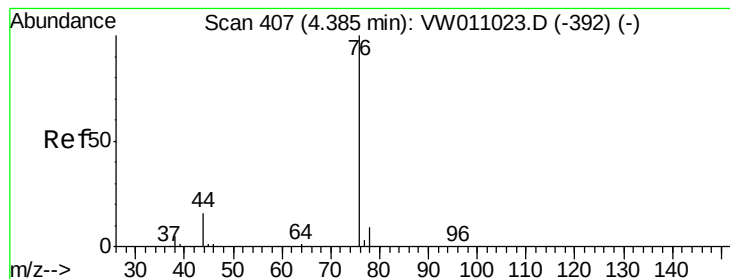
Lab File: VW011025.D

Acq: 27 Jun 2019 17:16

Tgt Ion: 43 Resp: 535625

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 58  | 27.4  | 22.5  | 33.7  |





#17

Carbon Disulfide

Concen: 159.113 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW011025.D

Acq: 27 Jun 2019 17:16

Instrument :

MSVOA\_W

ClientSampleId :

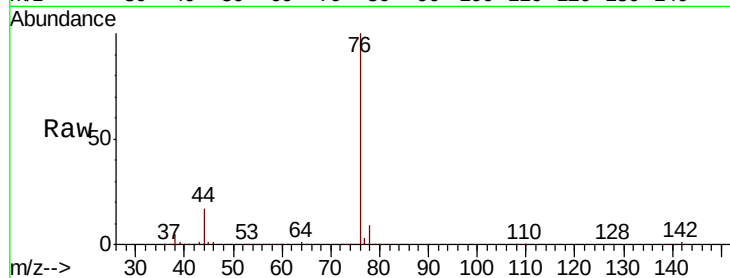
VSTDIC150

Tot Ion: 76 Resp: 1126528

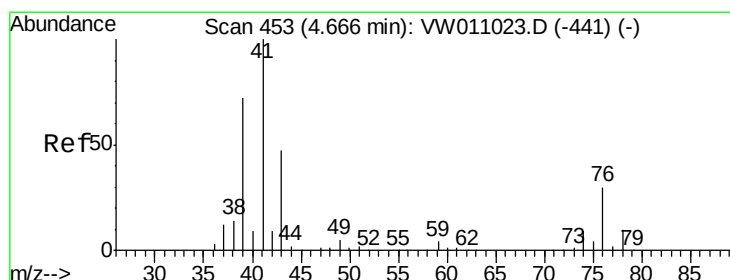
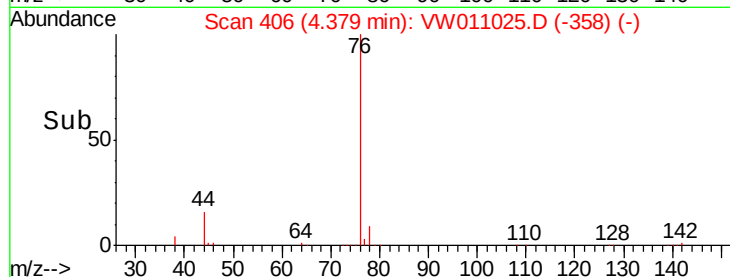
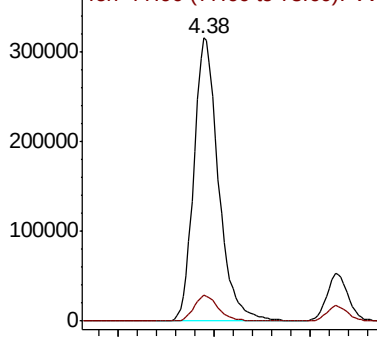
Ion Ratio Lower Upper

76 100

78 9.1 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VW  
Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 168.295 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW011025.D

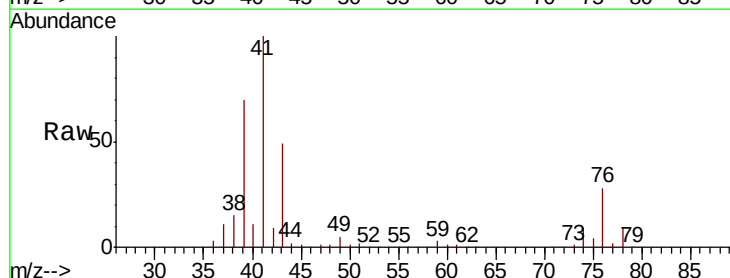
Acq: 27 Jun 2019 17:16

Tgt Ion: 43 Resp: 267715

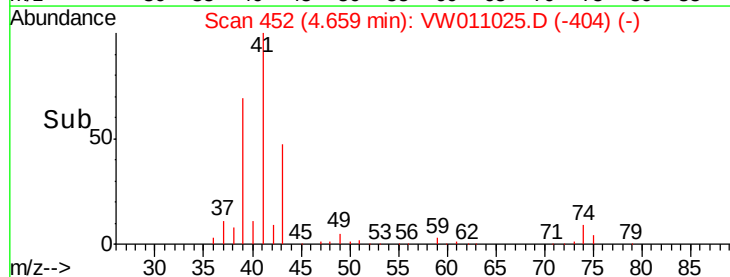
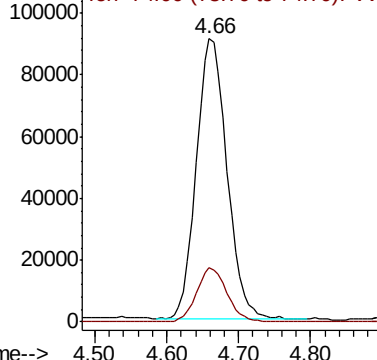
Ion Ratio Lower Upper

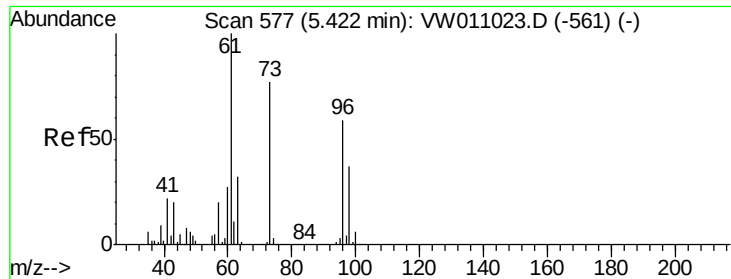
43 100

74 19.1 15.8 23.8



Abundance Ion 43.00 (42.70 to 43.70): VW  
Ion 74.00 (73.70 to 74.70): VW

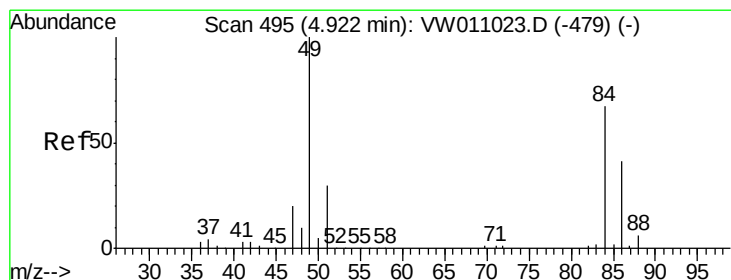
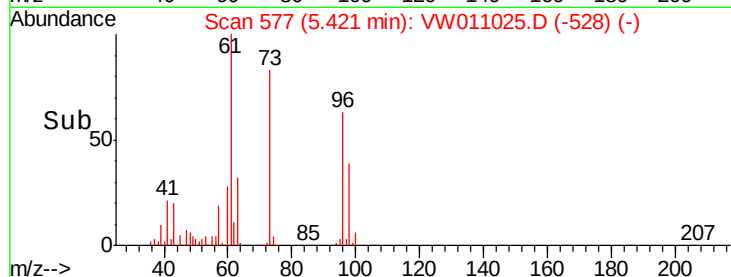
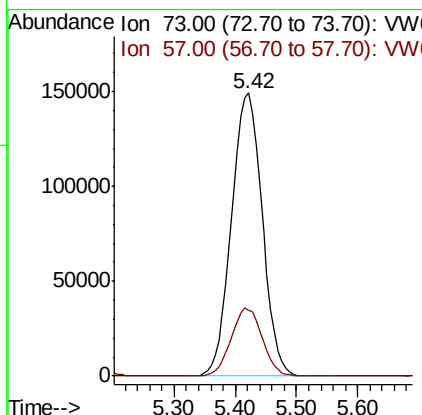
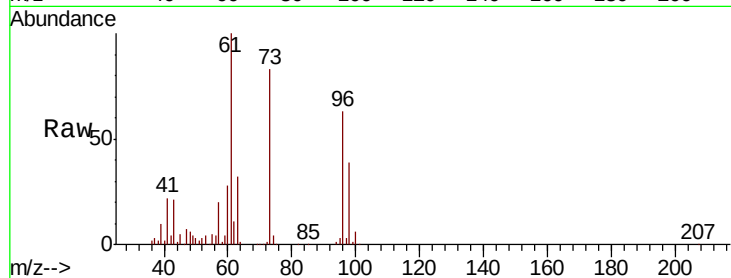




#19  
Methyl tert-butyl Ether  
Concen: 87.562 ug/l  
RT: 5.42 min Scan# 577  
Delta R.T. -0.00 min  
Lab File: VW011025.D  
Acq: 27 Jun 2019 17:16

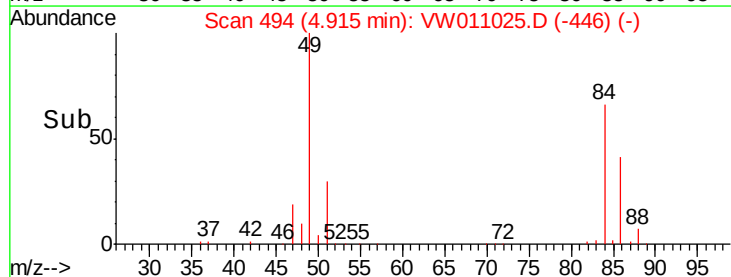
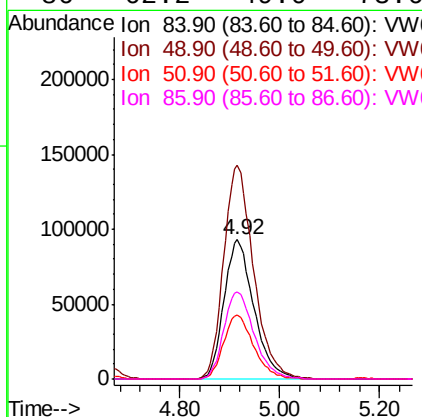
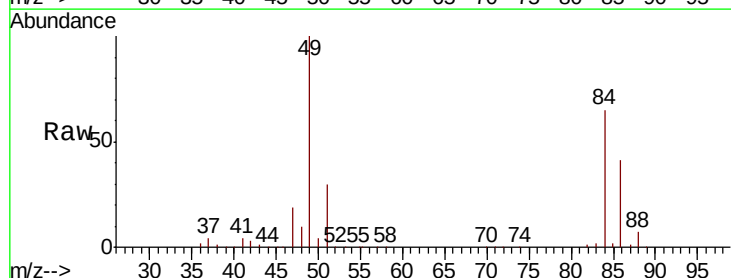
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC150

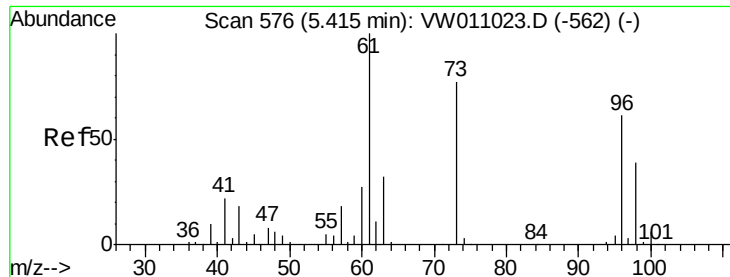
Tot Ion: 73 Resp: 517933  
Ion Ratio Lower Upper  
73 100  
57 23.5 20.8 31.2



#20  
Methylene Chloride  
Concen: 150.832 ug/l  
RT: 4.92 min Scan# 494  
Delta R.T. -0.01 min  
Lab File: VW011025.D  
Acq: 27 Jun 2019 17:16

Tgt Ion: 84 Resp: 386975  
Ion Ratio Lower Upper  
84 100  
49 153.3 119.6 179.4  
51 46.0 35.6 53.4  
86 62.2 49.0 73.6





#21

trans-1,2-Dichloroethene

Concen: 153.923 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.00 min

Lab File: VW011025.D

Acq: 27 Jun 2019 17:16

Instrument :

MSVOA\_W

ClientSampleId :

VSTDIC150

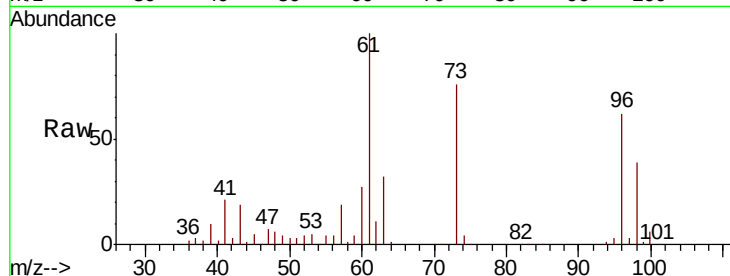
Tot Ion: 96 Resp: 386364

Ion Ratio Lower Upper

96 100

61 161.5 131.0 196.4

98 63.0 50.8 76.2



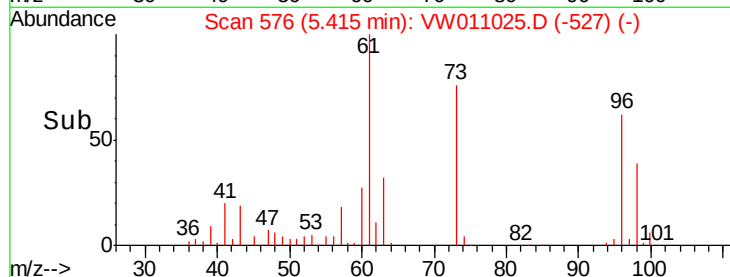
Abundance

Ion 95.90 (95.60 to 96.60): VW

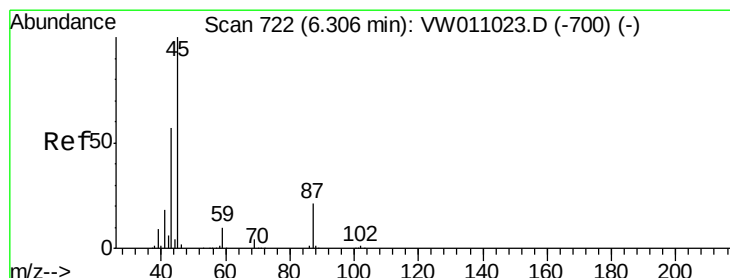
Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW

Time-->



Time-->



#22

Diisopropyl ether

Concen: 148.745 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.00 min

Lab File: VW011025.D

Acq: 27 Jun 2019 17:16

Tgt Ion: 45 Resp: 1448478

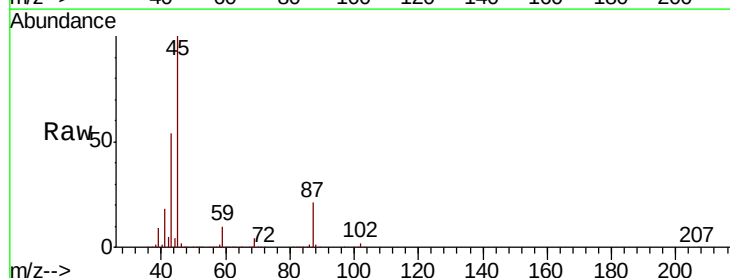
Ion Ratio Lower Upper

45 100

43 53.6 45.8 68.6

87 21.4 17.1 25.7

59 10.0 8.2 12.4



Abundance

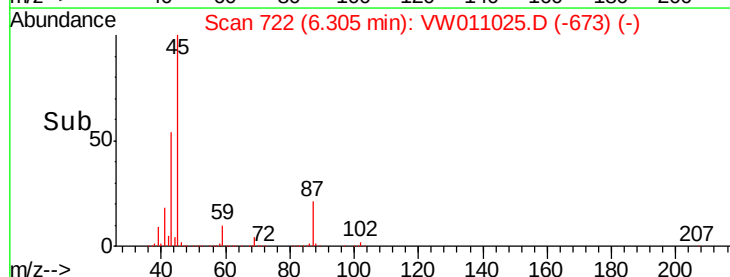
Ion 45.00 (44.70 to 45.70): VW

Ion 43.00 (42.70 to 43.70): VW

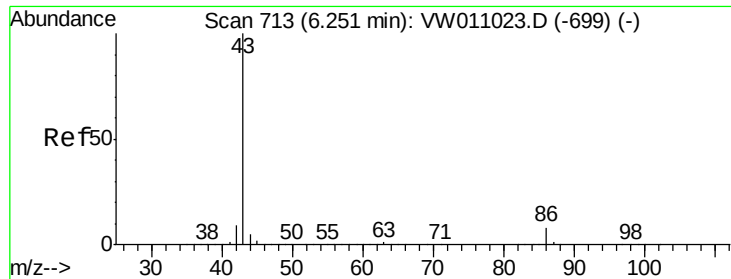
Ion 87.00 (86.70 to 87.70): VW

Ion 59.00 (58.70 to 59.70): VW

Time-->



Time-->



#23

Vinyl Acetate

Concen: 815.538 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW011025.D

Acq: 27 Jun 2019 17:16

Instrument :

MSVOA\_W

ClientSampleId :

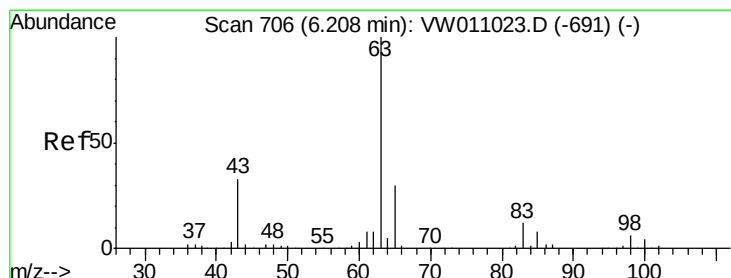
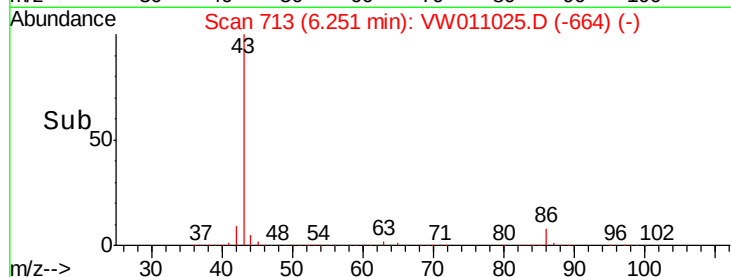
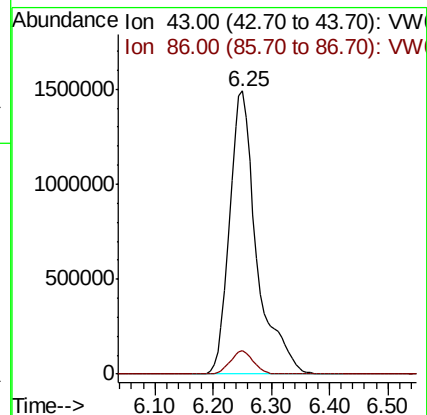
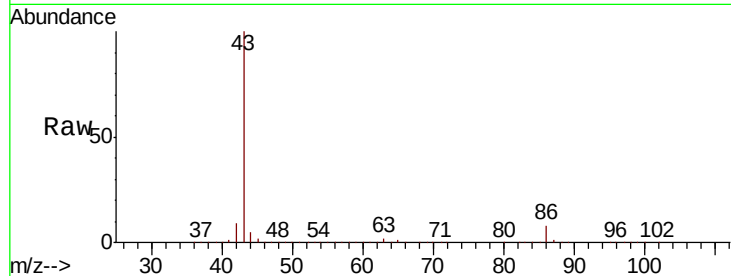
VSTDIC150

Tot Ion: 43 Resp: 4831513

Ion Ratio Lower Upper

43 100

86 8.3 6.6 10.0



#24

1,1-Dichloroethane

Concen: 156.345 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.00 min

Lab File: VW011025.D

Acq: 27 Jun 2019 17:16

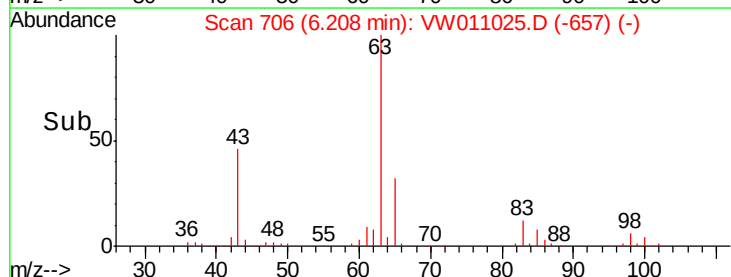
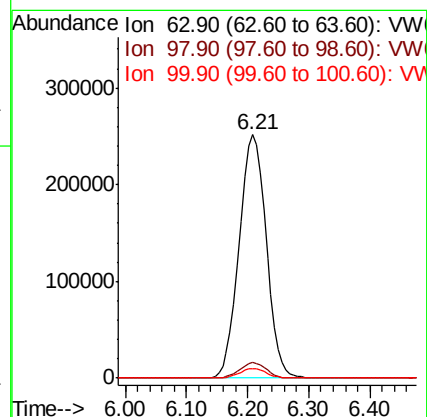
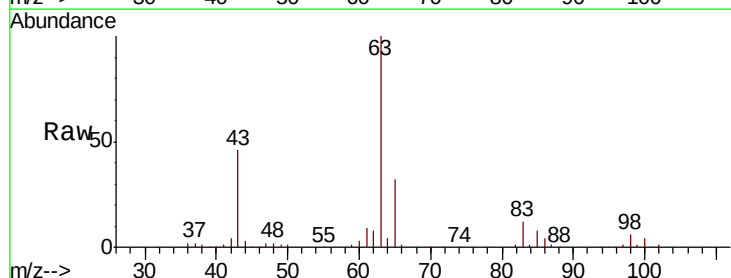
Tgt Ion: 63 Resp: 769710

Ion Ratio Lower Upper

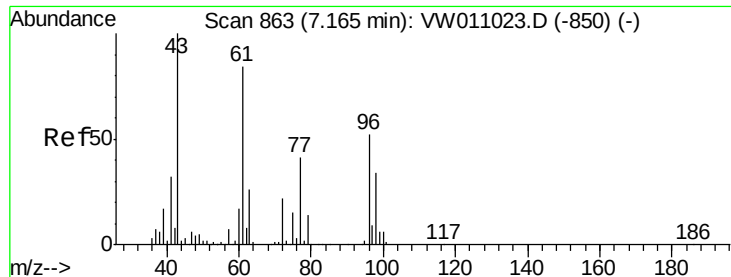
63 100

98 6.4 3.1 9.4

100 4.0 2.1 6.2



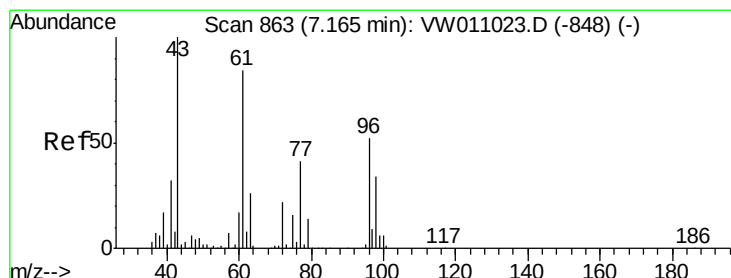
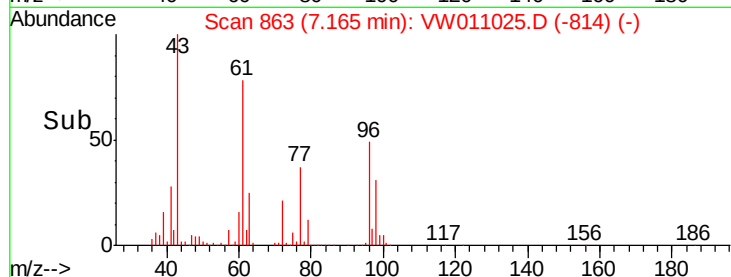
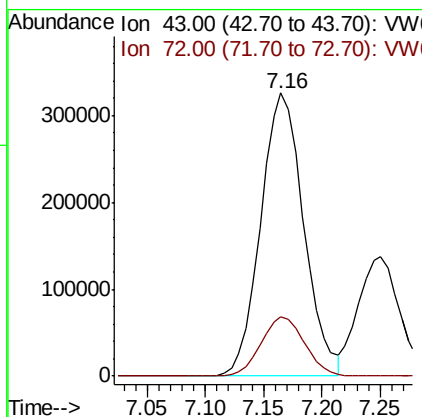
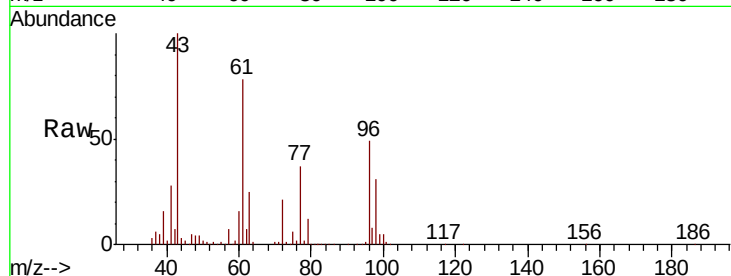




#25  
2-Butanone  
Concen: 824.654 ug/l  
RT: 7.16 min Scan# 863  
Delta R.T. -0.00 min  
Lab File: VW011025.D  
Acq: 27 Jun 2019 17:16

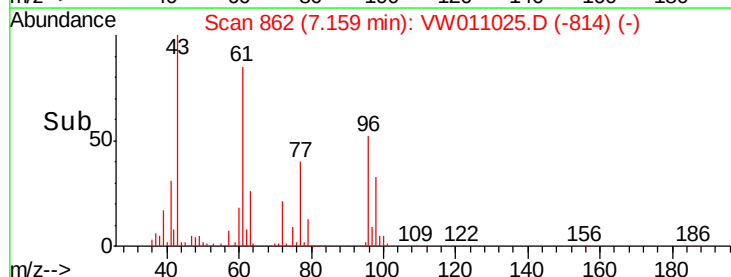
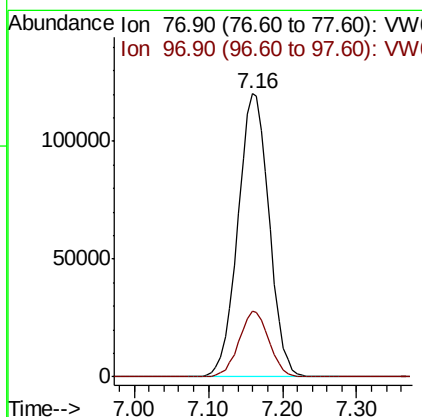
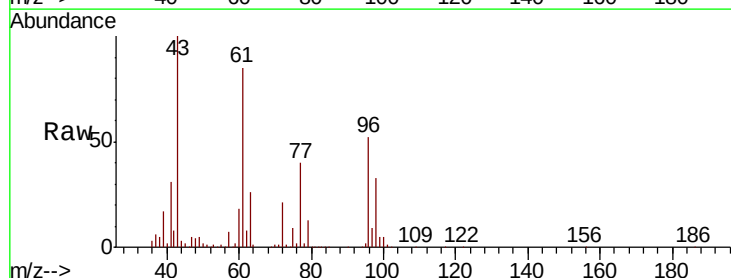
Instrument :  
MSVOA\_W  
ClientSampled :  
VSTDIC150

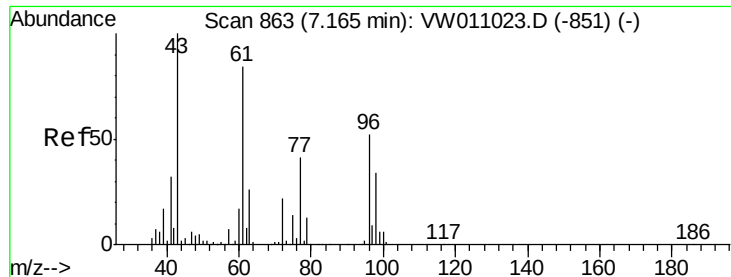
Tot Ion: 43 Resp: 832958  
Ion Ratio Lower Upper  
43 100  
72 21.1 17.2 25.8



#26  
2,2-Dichloropropane  
Concen: 94.512 ug/l  
RT: 7.16 min Scan# 862  
Delta R.T. -0.01 min  
Lab File: VW011025.D  
Acq: 27 Jun 2019 17:16

Tgt Ion: 77 Resp: 352970  
Ion Ratio Lower Upper  
77 100  
97 22.3 10.9 32.7



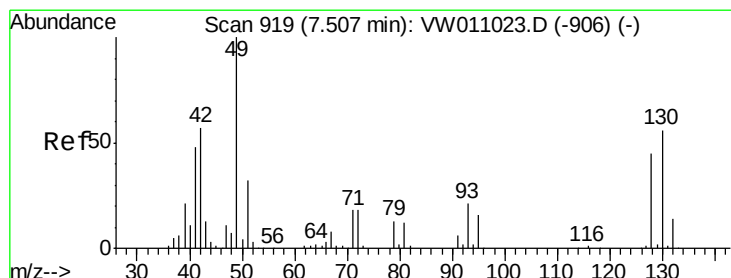
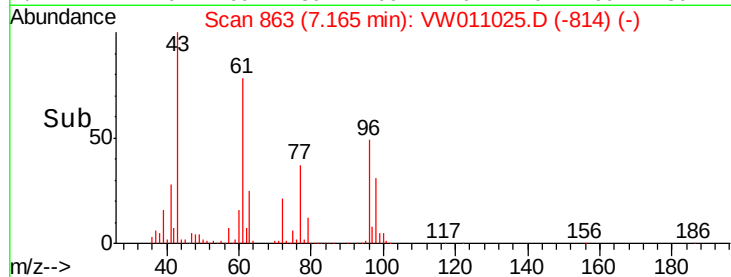
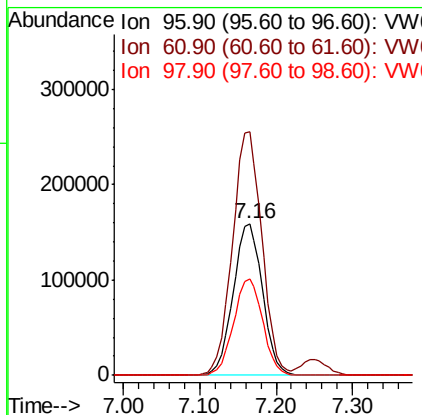
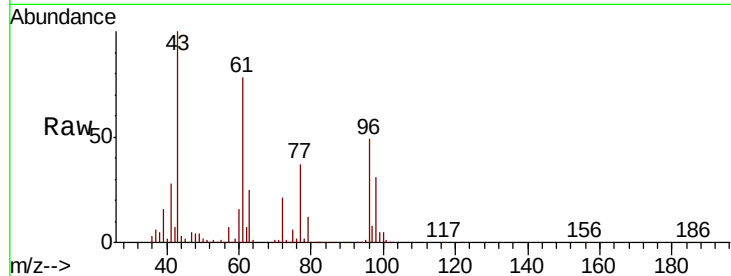


#27

cis-1,2-Dichloroethene  
 Concen: 152.470 ug/l  
 RT: 7.16 min Scan# 863  
 Delta R.T. -0.00 min  
 Lab File: VW011025.D  
 Acq: 27 Jun 2019 17:16

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDIC150

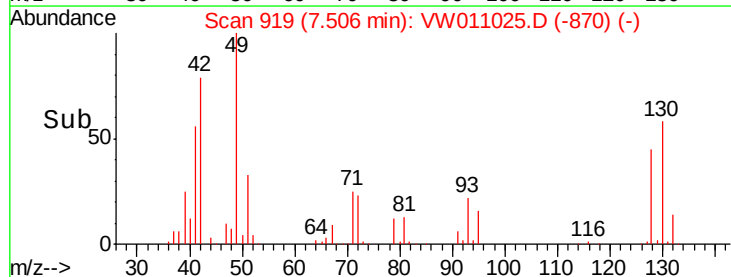
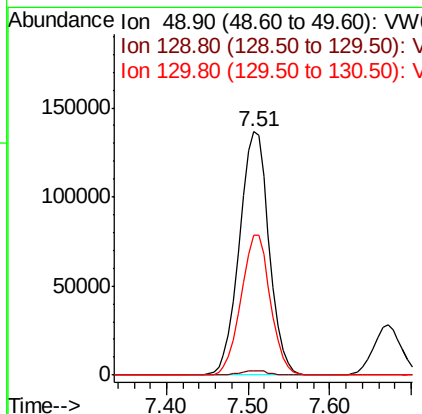
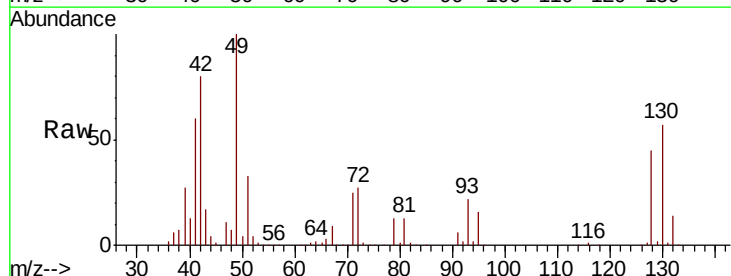
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 162.2 | 0.0   | 330.4 |
| 98      | 63.3  | 0.0   | 129.4 |

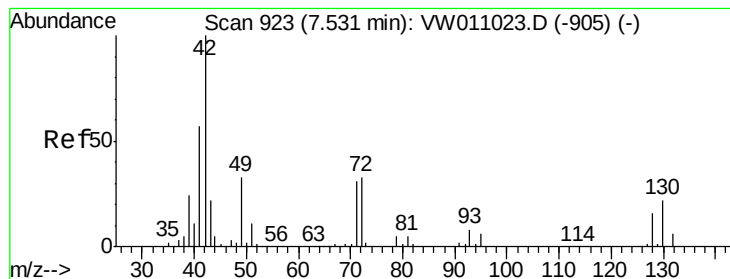


#28

Bromochloromethane  
 Concen: 152.811 ug/l  
 RT: 7.51 min Scan# 919  
 Delta R.T. -0.00 min  
 Lab File: VW011025.D  
 Acq: 27 Jun 2019 17:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 49      | 100   |       |       |
| 129     | 1.7   | 0.0   | 3.4   |
| 130     | 57.0  | 46.1  | 69.1  |





#29

Tetrahydrofuran

Concen: 815.795 ug/l

RT: 7.52 min Scan# 922

Delta R.T. -0.01 min

Lab File: VW011025.D

Acq: 27 Jun 2019 17:16

Instrument :

MSVOA\_W

ClientSampleId :

VSTDIC150

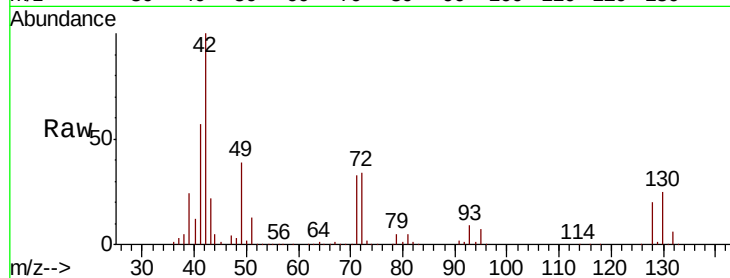
Tot Ion: 42 Resp: 522096

Ion Ratio Lower Upper

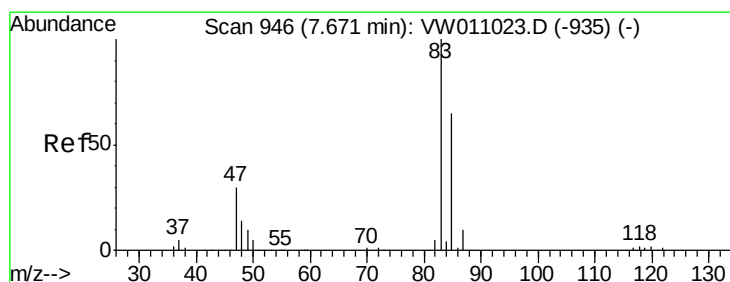
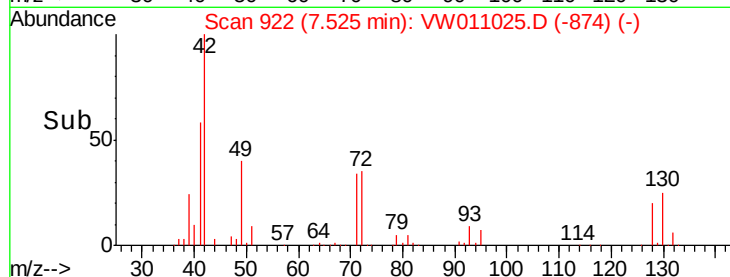
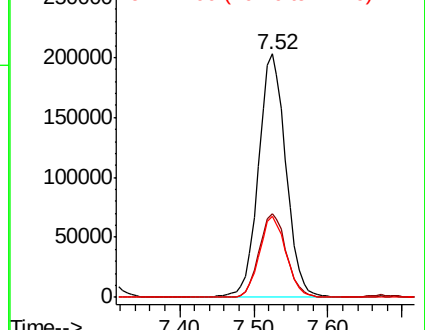
42 100

72 34.3 27.4 41.0

71 32.6 25.6 38.4



Abundance Ion 42.00 (41.70 to 42.70): VW  
Ion 72.00 (71.70 to 72.70): VW  
Ion 71.00 (70.70 to 71.70): VW



#30

Chloroform

Concen: 153.976 ug/l

RT: 7.67 min Scan# 946

Delta R.T. -0.00 min

Lab File: VW011025.D

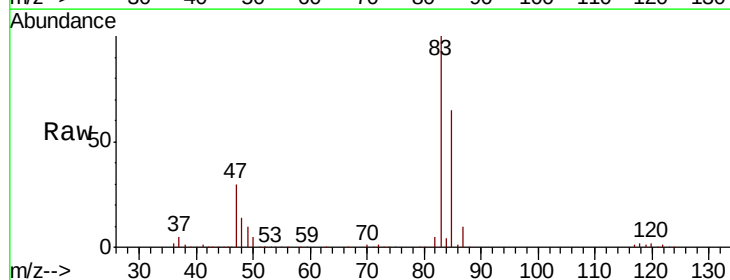
Acq: 27 Jun 2019 17:16

Tgt Ion: 83 Resp: 692967

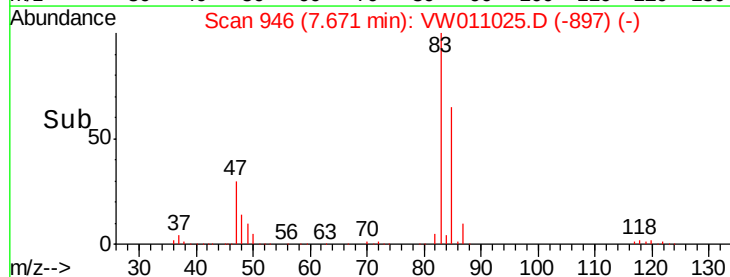
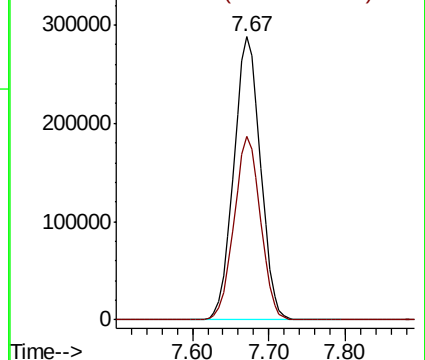
Ion Ratio Lower Upper

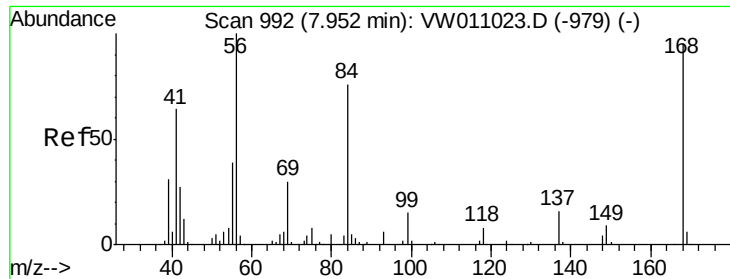
83 100

85 64.8 52.2 78.4



Abundance Ion 82.90 (82.60 to 83.60): VW  
Ion 84.90 (84.60 to 85.60): VW

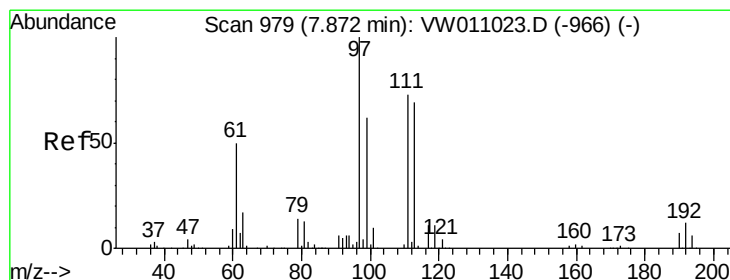
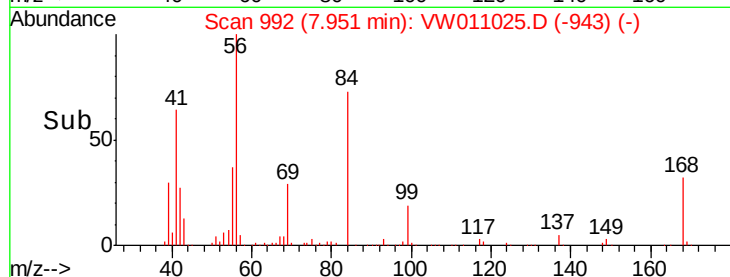
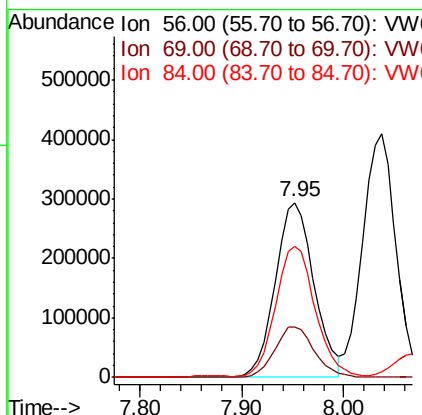
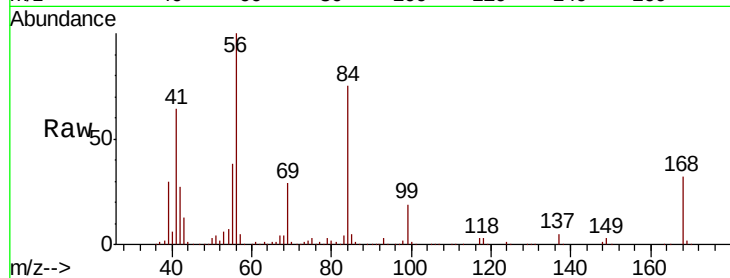




#31  
Cyclohexane  
Concen: 142.147 ug/l  
RT: 7.95 min Scan# 992  
Delta R.T. -0.00 min  
Lab File: VW011025.D  
Acq: 27 Jun 2019 17:16

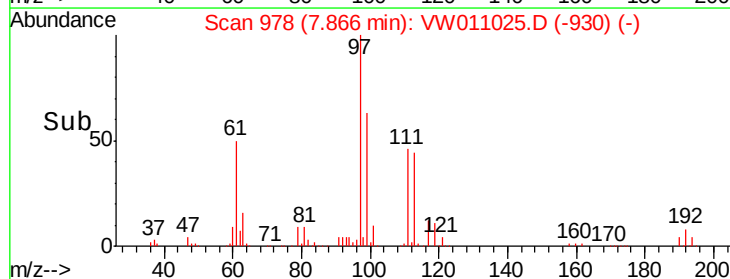
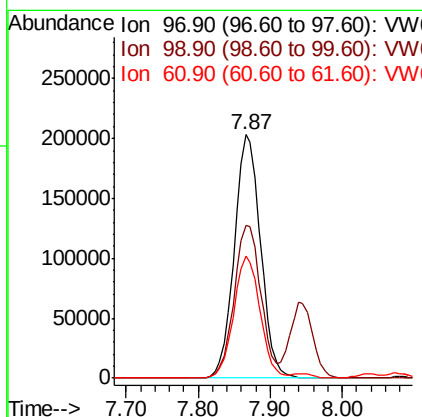
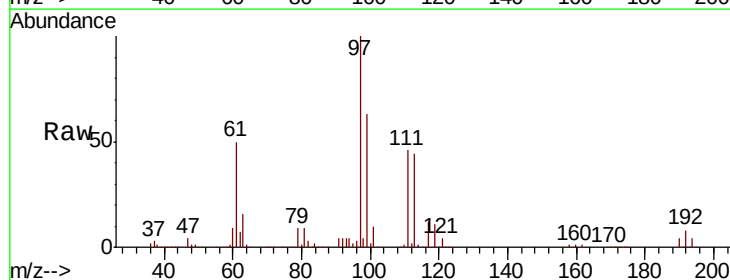
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC150

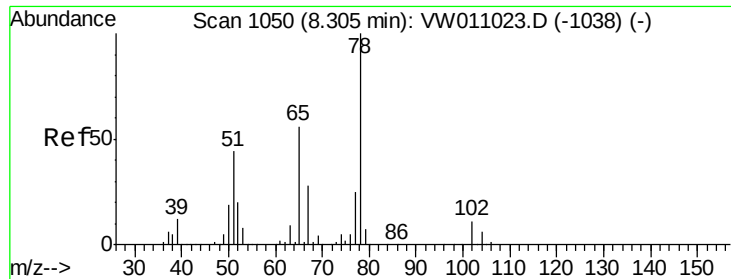
Tot Ion: 56 Resp: 773977  
Ion Ratio Lower Upper  
56 100  
69 28.8 24.2 36.2  
84 74.4 60.6 90.8



#32  
1,1,1-Trichloroethane  
Concen: 133.578 ug/l  
RT: 7.87 min Scan# 978  
Delta R.T. -0.01 min  
Lab File: VW011025.D  
Acq: 27 Jun 2019 17:16

Tgt Ion: 97 Resp: 512335  
Ion Ratio Lower Upper  
97 100  
99 64.1 51.1 76.7  
61 50.6 41.4 62.2

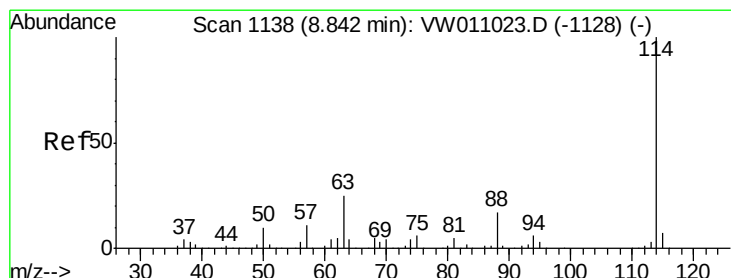
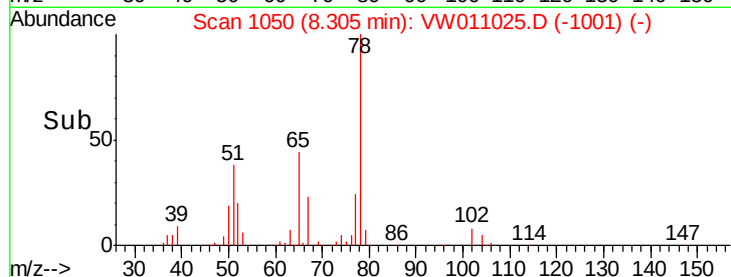
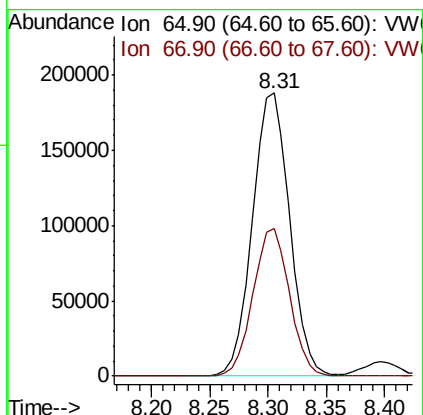
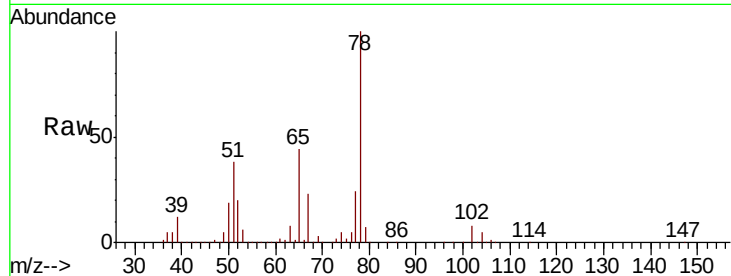




#33  
 1,2-Dichloroethane-d4  
 Concen: 149.950 ug/l  
 RT: 8.31 min Scan# 1050  
 Delta R.T. -0.00 min  
 Lab File: VW011025.D  
 Acq: 27 Jun 2019 17:16

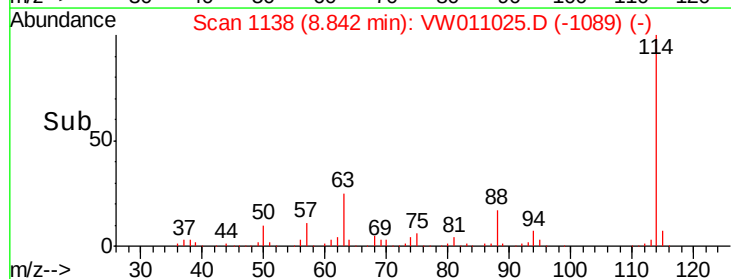
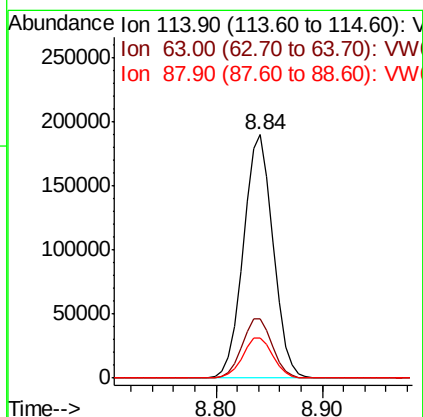
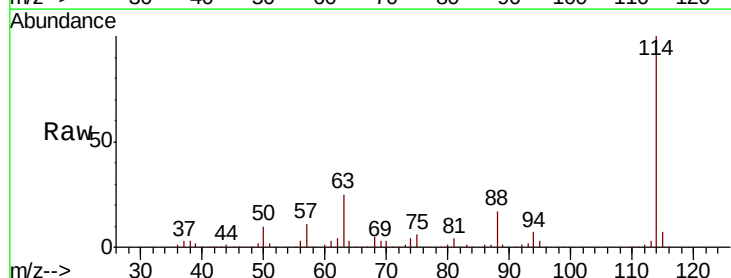
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDIC150

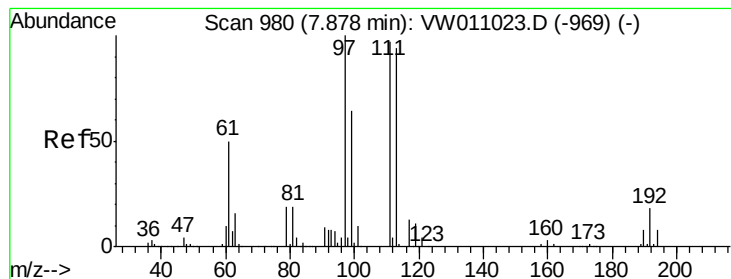
Tot Ion: 65 Resp: 418721  
 Ion Ratio Lower Upper  
 65 100  
 67 51.4 0.0 102.4



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.84 min Scan# 1138  
 Delta R.T. -0.00 min  
 Lab File: VW011025.D  
 Acq: 27 Jun 2019 17:16

Tgt Ion: 114 Resp: 371391  
 Ion Ratio Lower Upper  
 114 100  
 63 24.5 0.0 50.6  
 88 16.6 0.0 34.0





#35

Dibromofluoromethane

Concen: 156.500 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.00 min

Lab File: VW011025.D

Acq: 27 Jun 2019 17:16

Instrument :

MSVOA\_W

ClientSampleId :

VSTDIC150

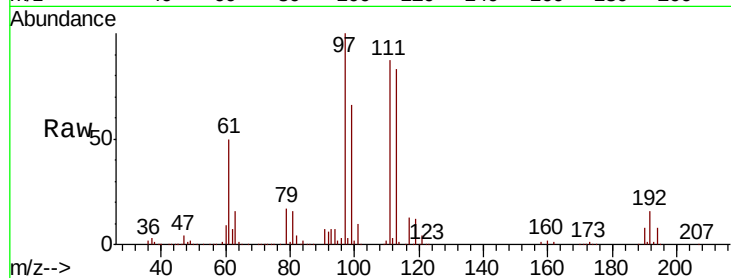
Tot Ion:113 Resp: 328146

Ion Ratio Lower Upper

113 100

111 103.2 83.8 125.6

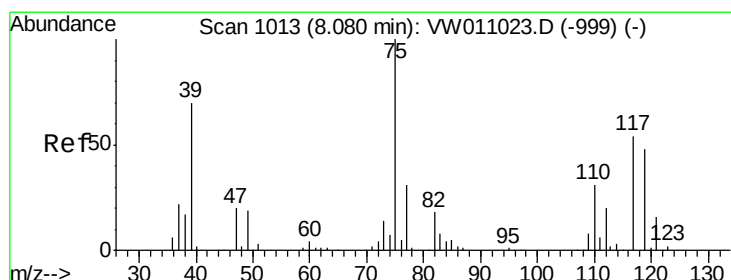
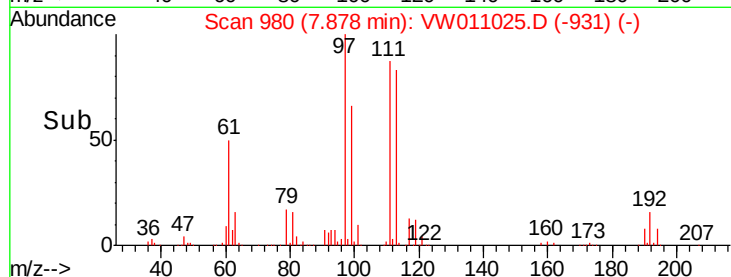
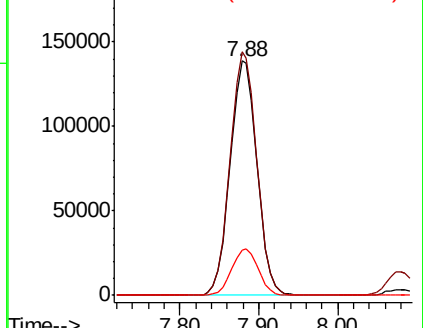
192 19.7 16.0 24.0



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 151.355 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VW011025.D

Acq: 27 Jun 2019 17:16

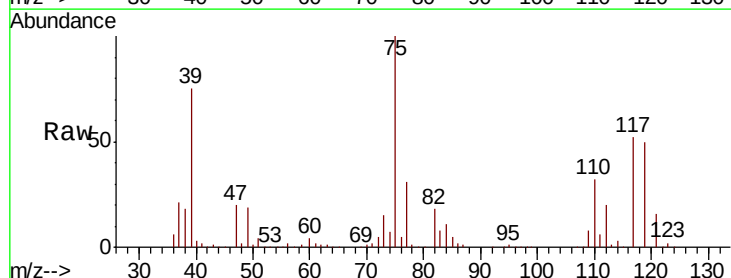
Tgt Ion: 75 Resp: 581360

Ion Ratio Lower Upper

75 100

110 31.1 15.5 46.5

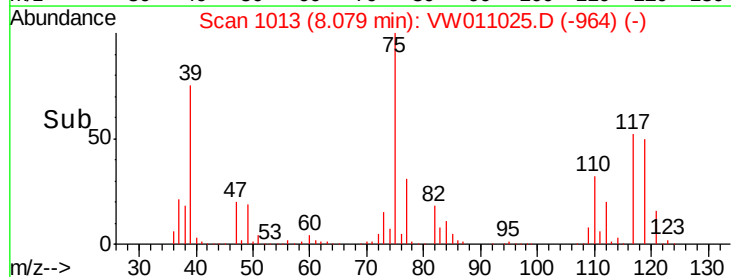
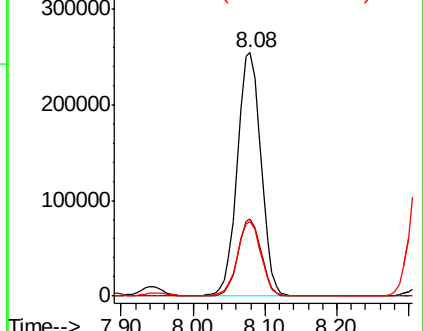
77 30.6 24.9 37.3

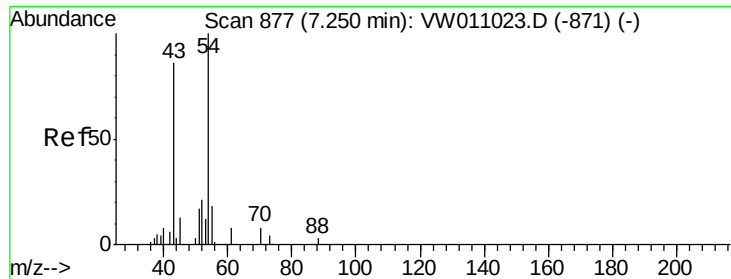


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

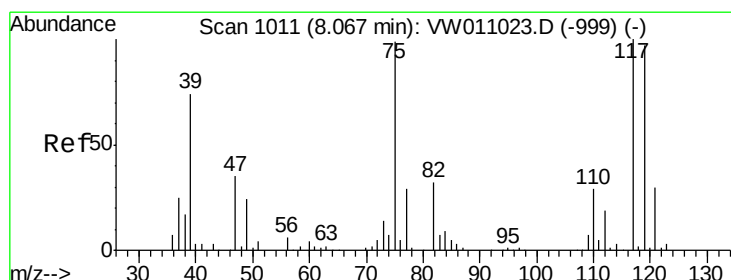
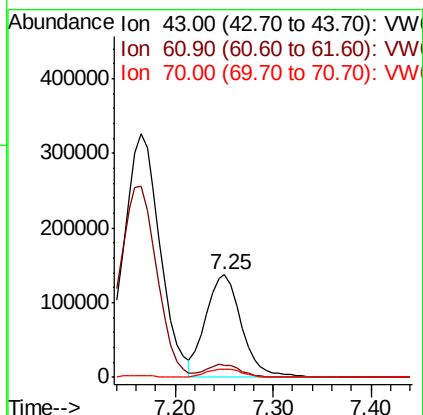
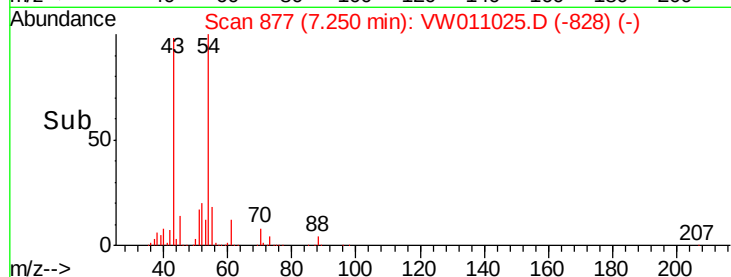
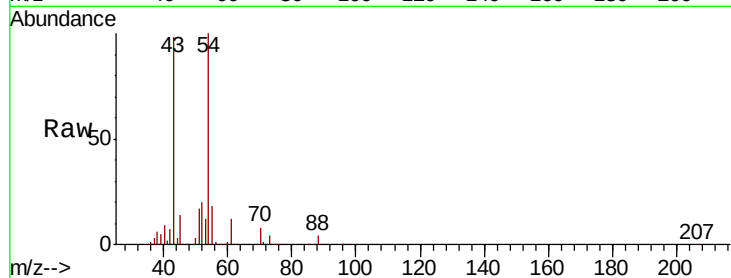




#37  
Ethyl Acetate  
Concen: 160.874 ug/l  
RT: 7.25 min Scan# 877  
Delta R.T. -0.00 min  
Lab File: VW011025.D  
Acq: 27 Jun 2019 17:16

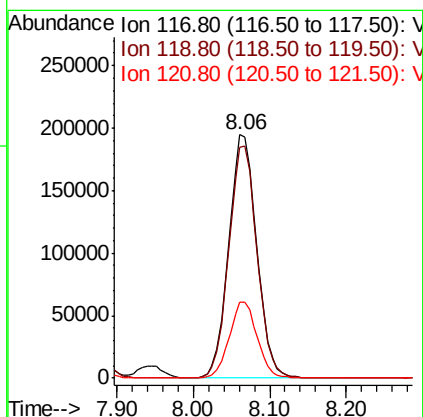
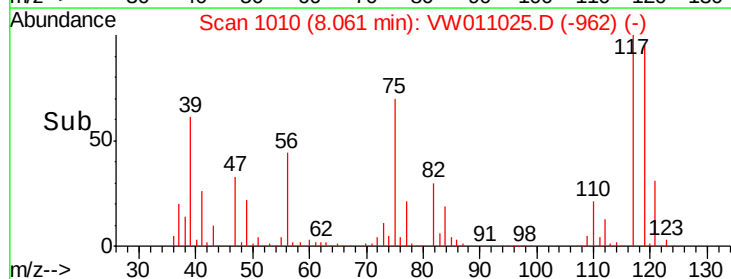
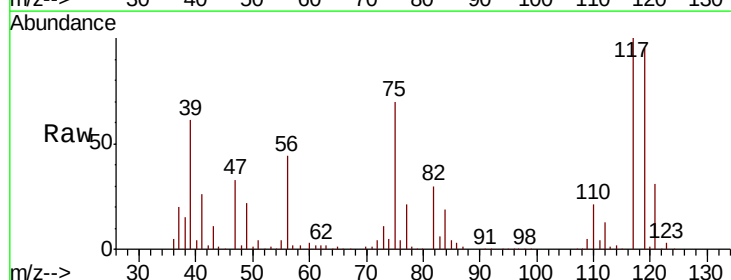
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC150

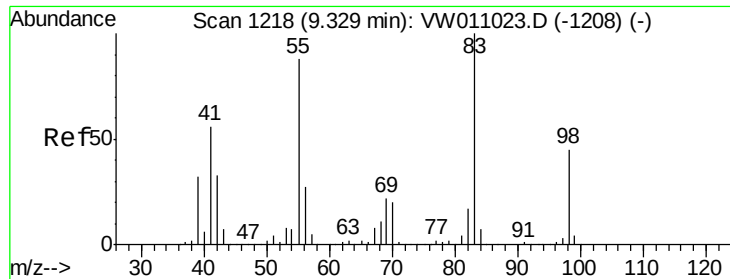
Tot Ion: 43 Resp: 347303  
Ion Ratio Lower Upper  
43 100  
61 11.8 9.0 13.4  
70 8.6 7.2 10.8



#38  
Carbon Tetrachloride  
Concen: 150.087 ug/l  
RT: 8.06 min Scan# 1010  
Delta R.T. -0.01 min  
Lab File: VW011025.D  
Acq: 27 Jun 2019 17:16

Tgt Ion: 117 Resp: 492879  
Ion Ratio Lower Upper  
117 100  
119 94.6 77.7 116.5  
121 31.2 23.9 35.9

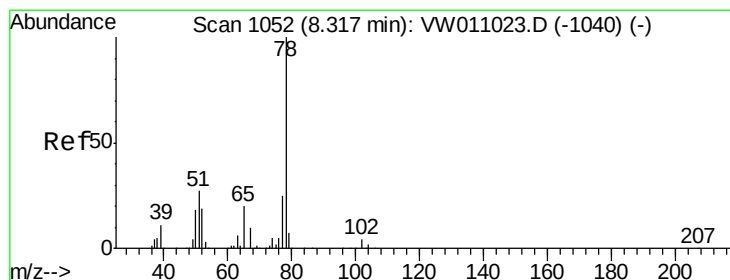
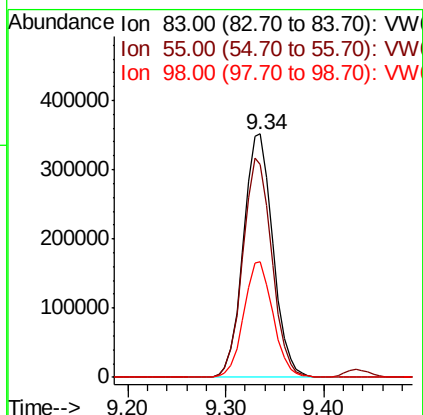
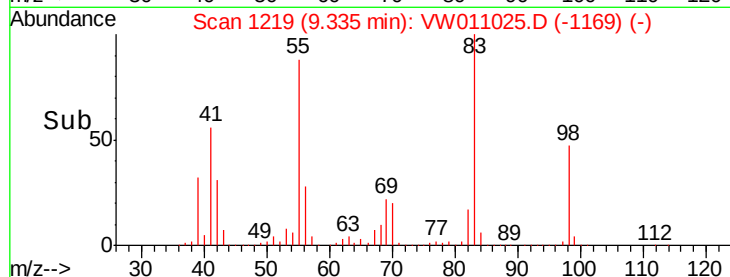
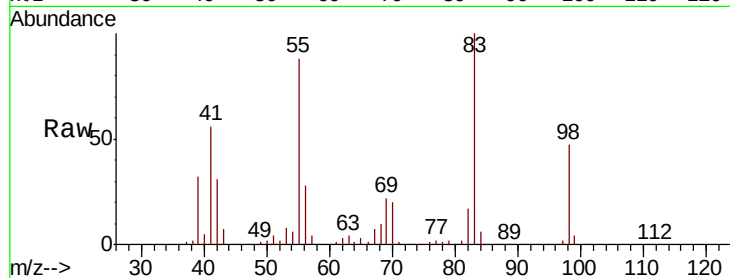




#39  
Methylvlcyclohexane  
Concen: 152.064 ug/l  
RT: 9.34 min Scan# 1219  
Delta R.T. 0.01 min  
Lab File: VW011025.D  
Acq: 27 Jun 2019 17:16

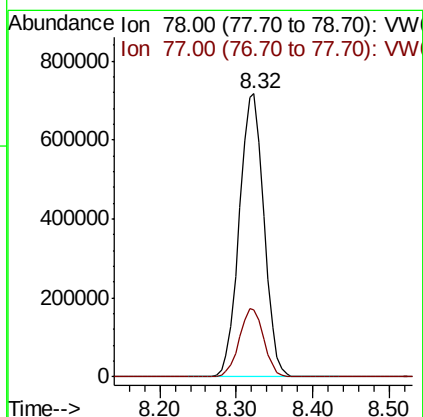
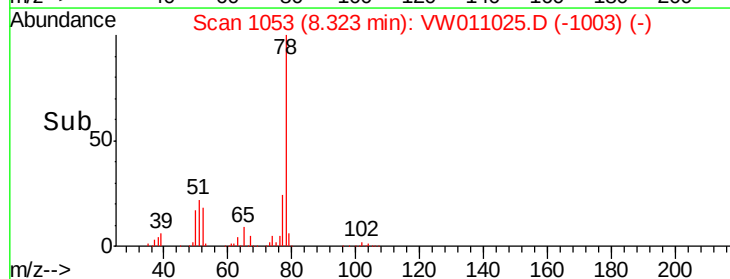
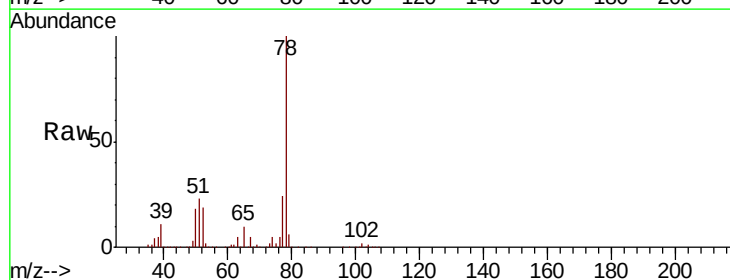
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC150

Tot Ion: 83 Resp: 736665  
Ion Ratio Lower Upper  
83 100  
55 87.6 70.7 106.1  
98 47.4 36.4 54.6

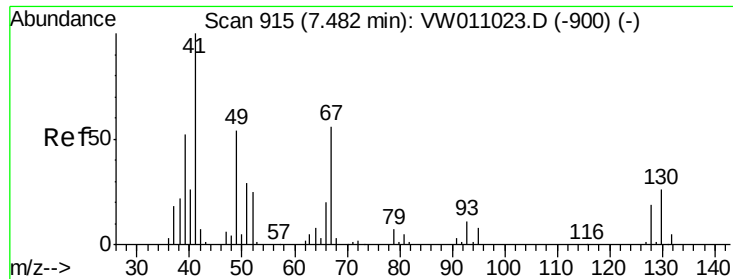


#40  
Benzene  
Concen: 152.091 ug/l  
RT: 8.32 min Scan# 1053  
Delta R.T. 0.01 min  
Lab File: VW011025.D  
Acq: 27 Jun 2019 17:16

Tgt Ion: 78 Resp: 1596810  
Ion Ratio Lower Upper  
78 100  
77 23.7 19.7 29.5







#41

Methacrylonitrile

Concen: 175.216 ug/l

RT: 7.48 min Scan# 915

Delta R.T. -0.00 min

Lab File: VW011025.D

Acq: 27 Jun 2019 17:16

Instrument :

MSVOA\_W

ClientSampleId :

VSTDIC150

Tot Ion: 41 Resp: 225934

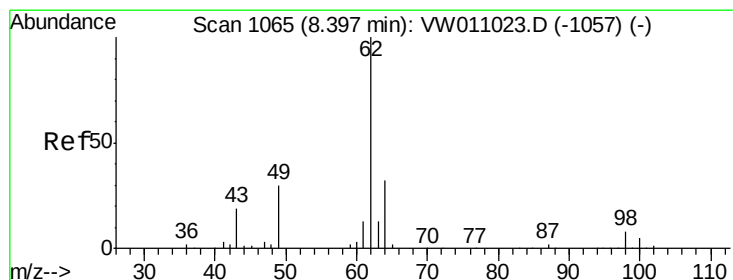
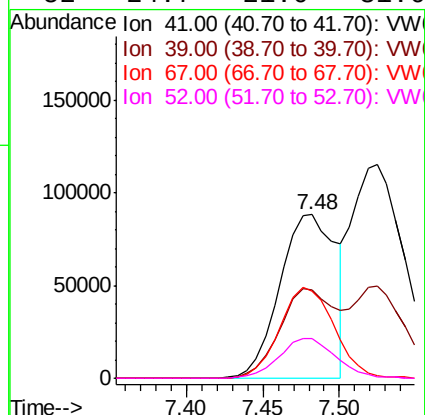
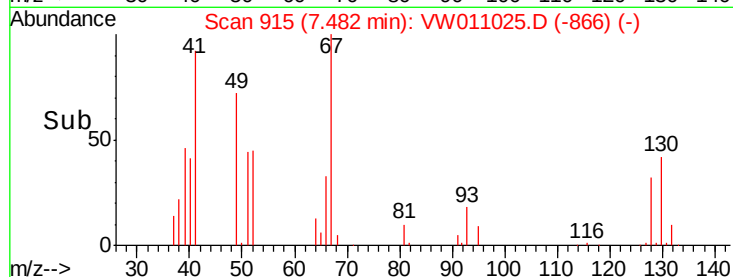
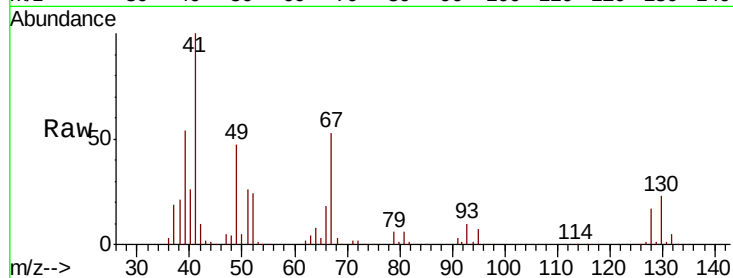
Ion Ratio Lower Upper

41 100

39 53.3 42.1 63.1

67 53.9 44.2 66.2

52 24.7 21.0 31.6



#42

1,2-Dichloroethane

Concen: 156.667 ug/l

RT: 8.40 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VW011025.D

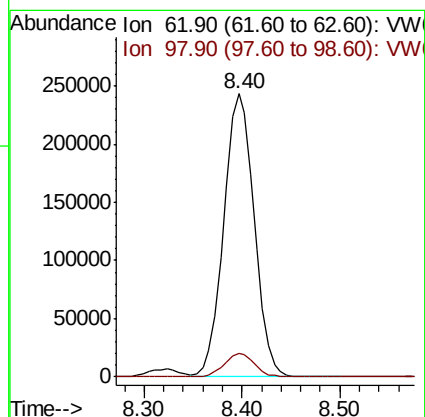
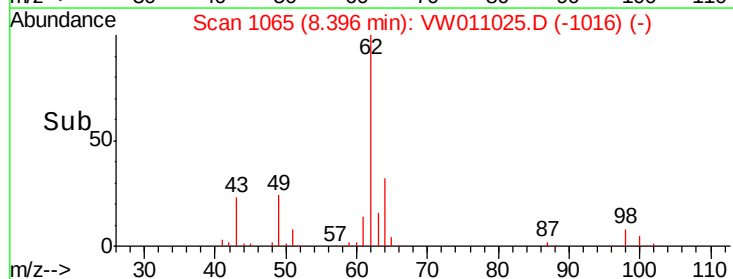
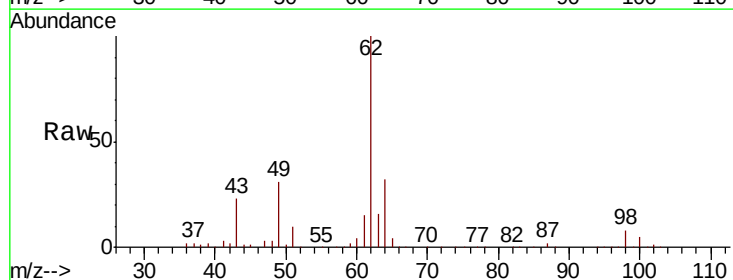
Acq: 27 Jun 2019 17:16

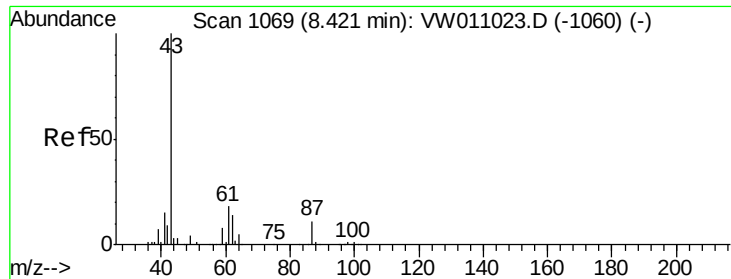
Tgt Ion: 62 Resp: 523965

Ion Ratio Lower Upper

62 100

98 8.1 0.0 16.8





#43

Isopropyl Acetate

Concen: 165.168 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW011025.D

Acq: 27 Jun 2019 17:16

Instrument :

MSVOA\_W

ClientSampleId :

VSTDICC150

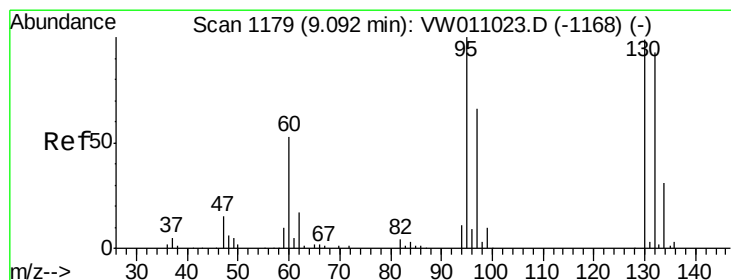
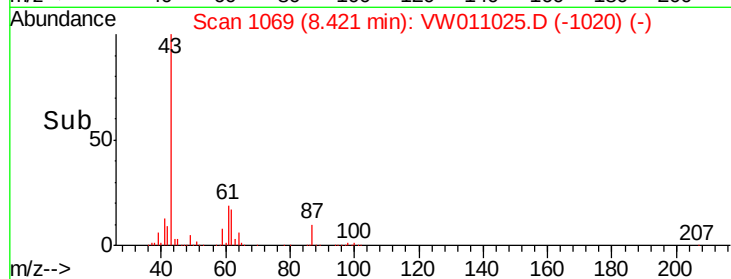
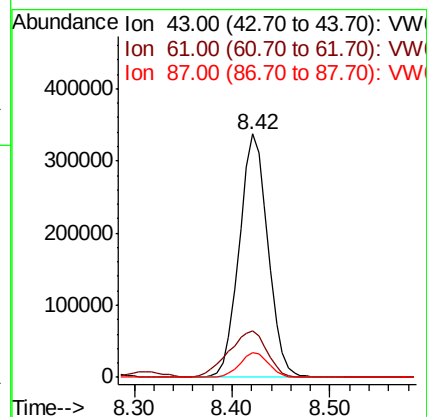
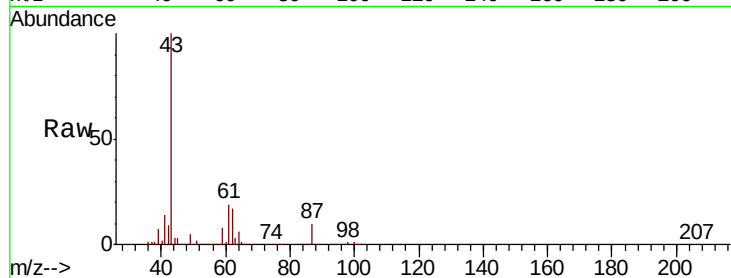
Tot Ion: 43 Resp: 684244

Ion Ratio Lower Upper

43 100

61 25.7 21.0 31.6

87 10.2 8.2 12.4



#44

Trichloroethene

Concen: 149.960 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW011025.D

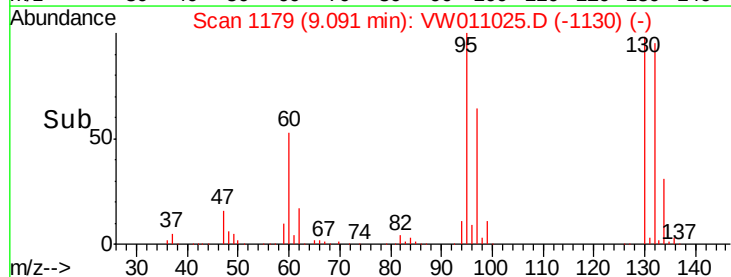
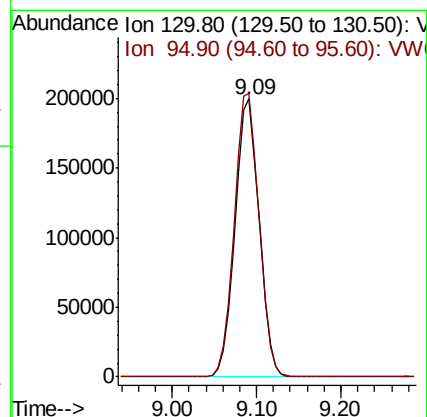
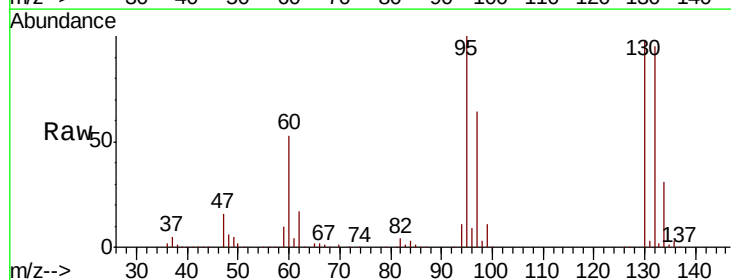
Acq: 27 Jun 2019 17:16

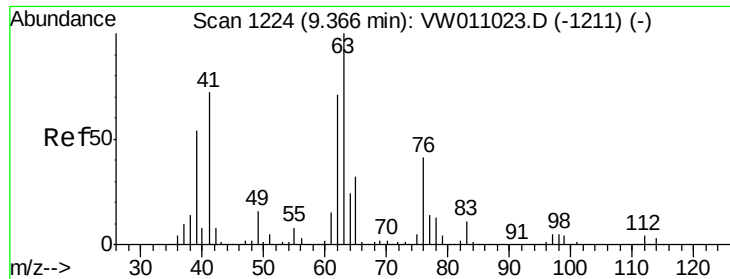
Tgt Ion:130 Resp: 386931

Ion Ratio Lower Upper

130 100

95 101.8 0.0 202.0

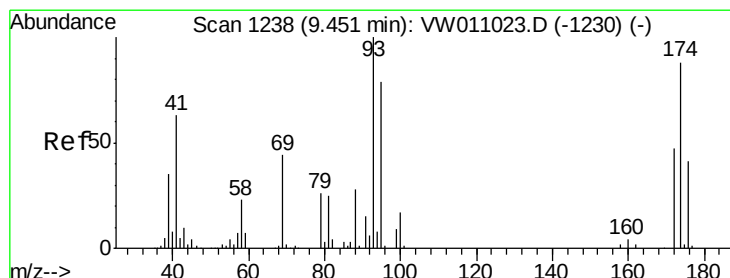
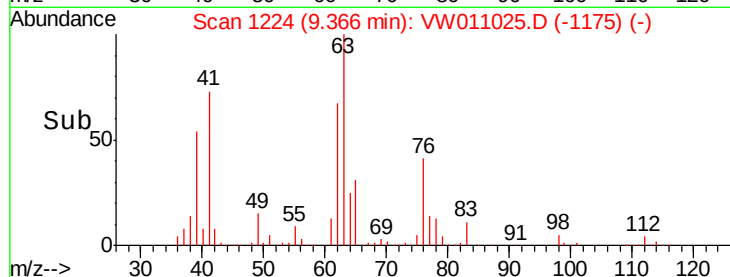
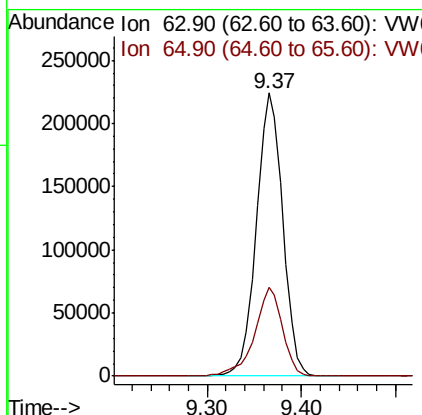
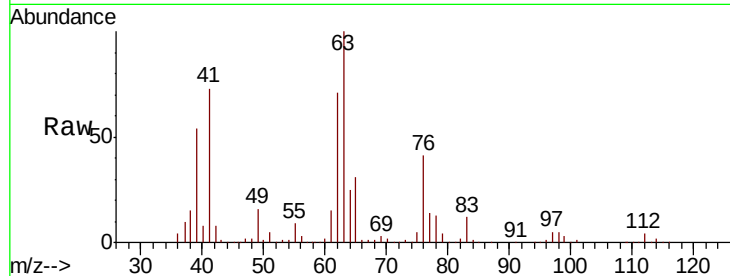




#45  
 1,2-Dichloropropane  
 Concen: 158.425 ug/l  
 RT: 9.37 min Scan# 1224  
 Delta R.T. -0.00 min  
 Lab File: VW011025.D  
 Acq: 27 Jun 2019 17:16

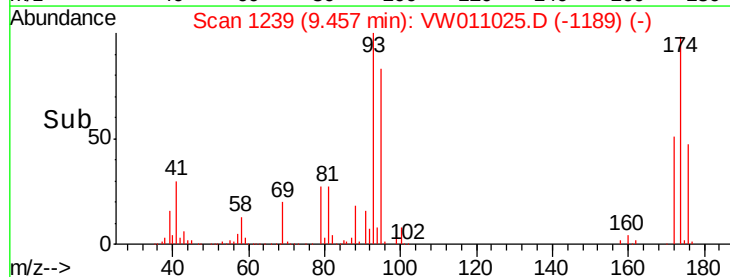
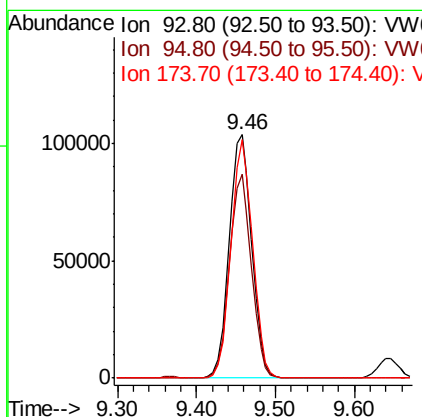
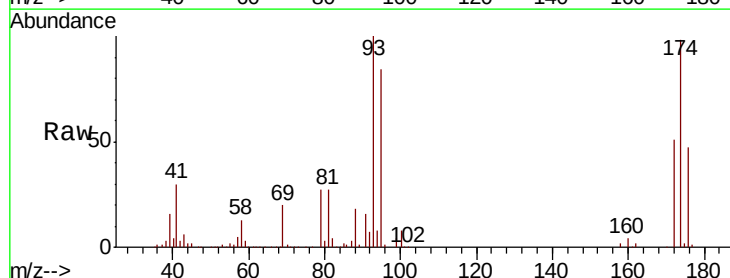
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDIC150

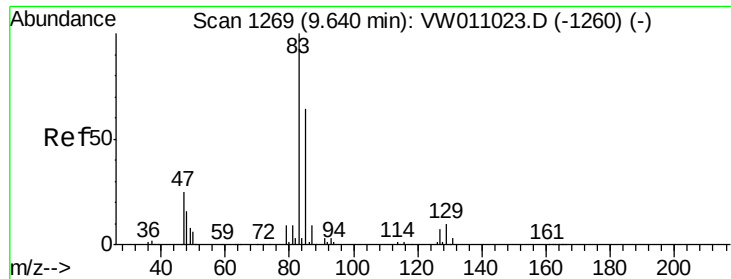
Tot Ion: 63 Resp: 441316  
 Ion Ratio Lower Upper  
 63 100  
 65 31.2 25.6 38.4



#46  
 Dibromomethane  
 Concen: 158.415 ug/l  
 RT: 9.46 min Scan# 1239  
 Delta R.T. 0.01 min  
 Lab File: VW011025.D  
 Acq: 27 Jun 2019 17:16

Tgt Ion: 93 Resp: 205444  
 Ion Ratio Lower Upper  
 93 100  
 95 81.9 65.8 98.6  
 174 94.3 75.4 113.0

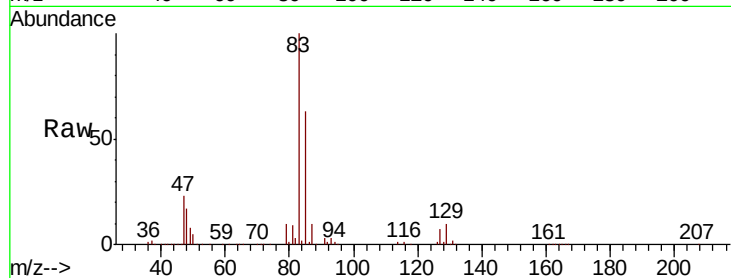




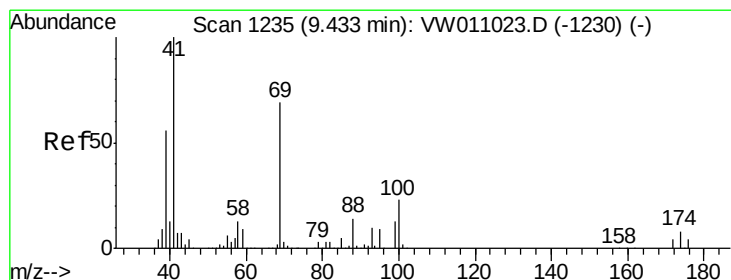
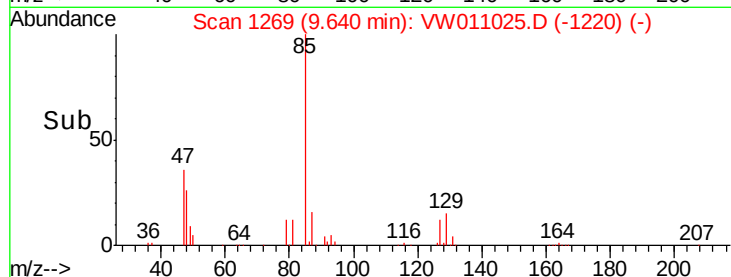
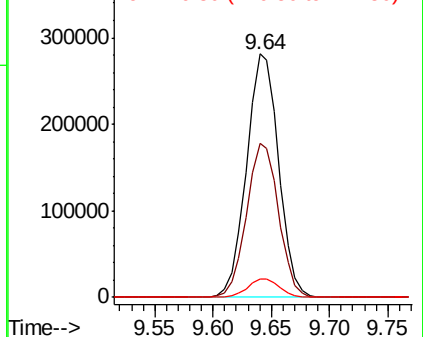
#47  
Bromodichloromethane  
Concen: 162.056 ug/l  
RT: 9.64 min Scan# 1269  
Delta R.T. -0.00 min  
Lab File: VW011025.D  
Acq: 27 Jun 2019 17:16

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC150

| Tot Ion   | 83    | Resp  | 540059 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 85        | 63.3  | 51.0  | 76.4   |
| 127       | 7.4   | 5.8   | 8.8    |

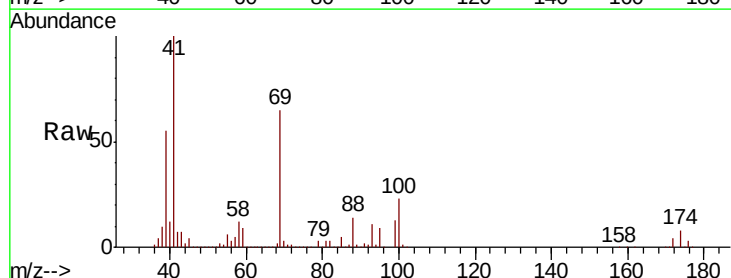


Abundance Ion 82.90 (82.60 to 83.60): VW  
Ion 84.90 (84.60 to 85.60): VW  
Ion 126.80 (126.50 to 127.50): VW

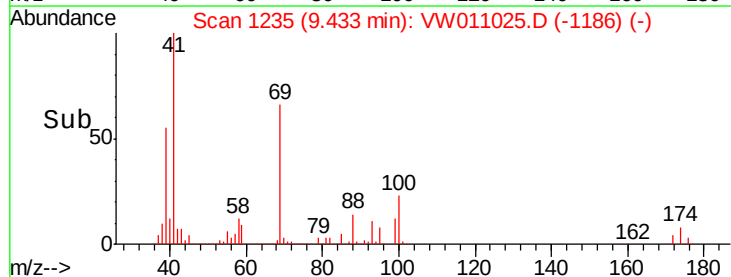
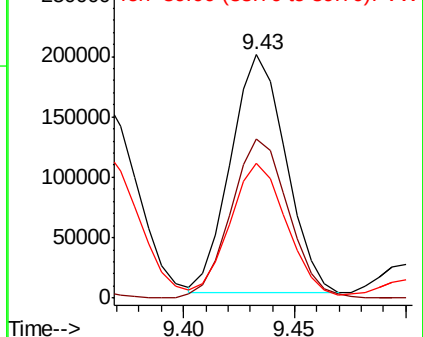


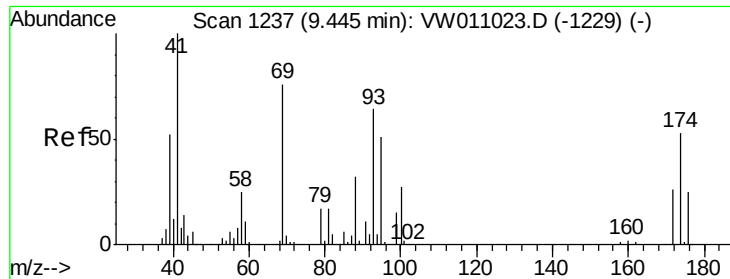
#48  
Methyl methacrylate  
Concen: 169.486 ug/l  
RT: 9.43 min Scan# 1235  
Delta R.T. -0.00 min  
Lab File: VW011025.D  
Acq: 27 Jun 2019 17:16

| Tgt Ion   | 41    | Resp  | 338594 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 41        | 100   |       |        |
| 69        | 70.1  | 56.7  | 85.1   |
| 39        | 55.4  | 45.0  | 67.6   |



Abundance Ion 41.00 (40.70 to 41.70): VW  
Ion 69.00 (68.70 to 69.70): VW  
Ion 39.00 (38.70 to 39.70): VW





#49

1,4-Dioxane

Concen: 3477.016 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. -0.01 min

Lab File: VW011025.D

Acq: 27 Jun 2019 17:16

Instrument :

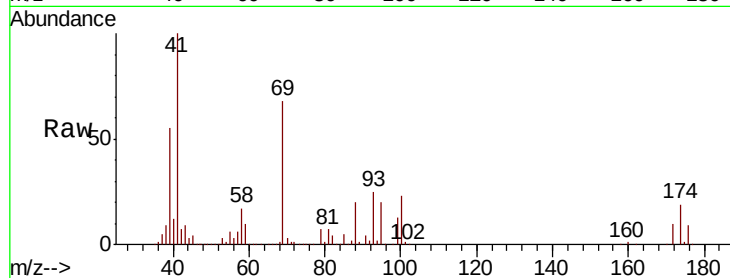
MSVOA\_W

ClientSampleId :

VSTDIC150

Tot Ion: 88 Resp: 72654

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 88  | 100   |       |       |
| 43  | 44.1  | 34.4  | 51.6  |
| 58  | 81.1  | 65.2  | 97.8  |

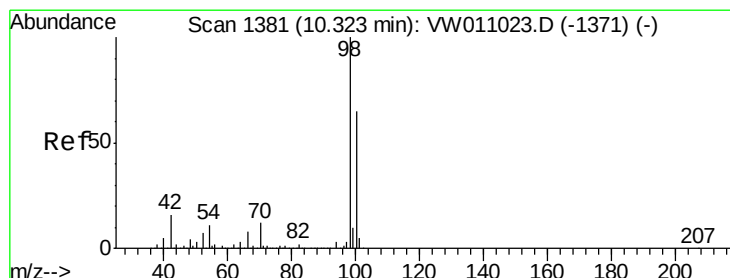
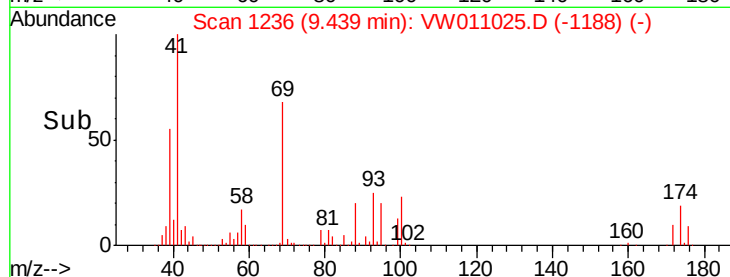
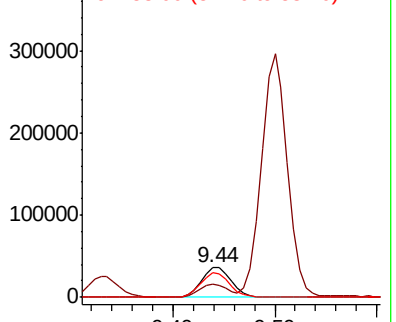


Abundance

Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50

Toluene-d8

Concen: 148.084 ug/l

RT: 10.32 min Scan# 1381

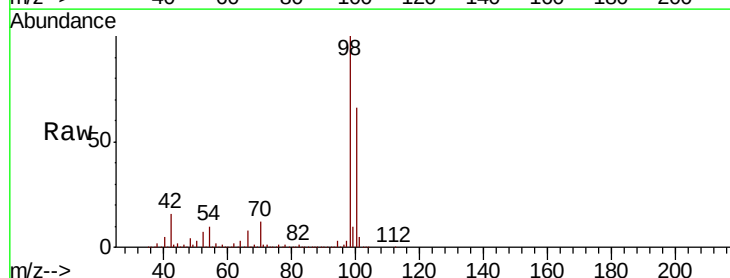
Delta R.T. -0.00 min

Lab File: VW011025.D

Acq: 27 Jun 2019 17:16

Tgt Ion: 98 Resp: 1361526

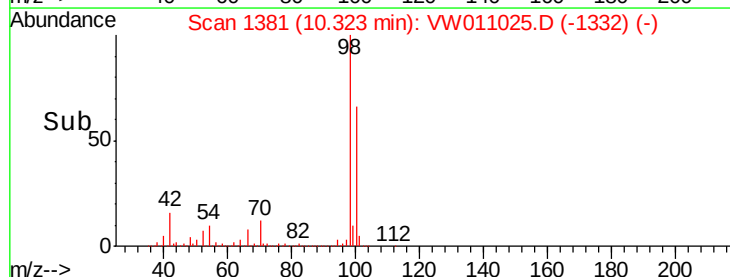
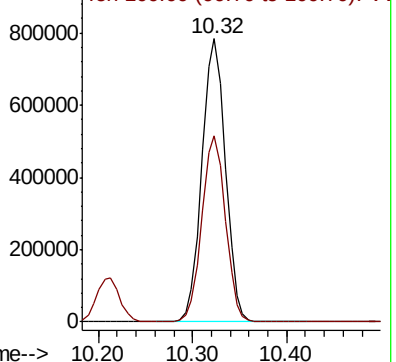
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 98  | 100   |       |       |
| 100 | 65.6  | 52.3  | 78.5  |

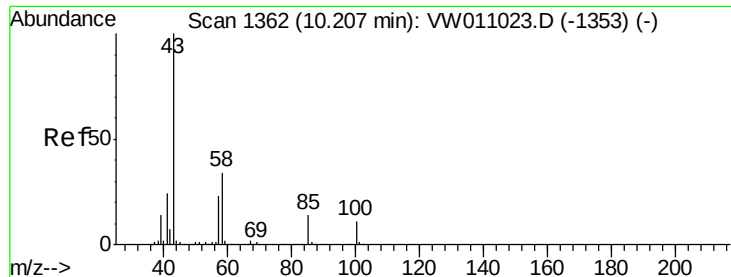


Abundance

Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

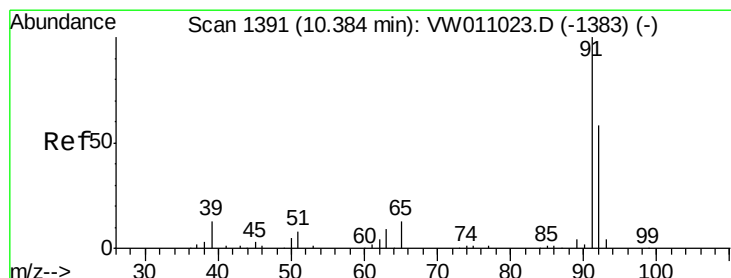
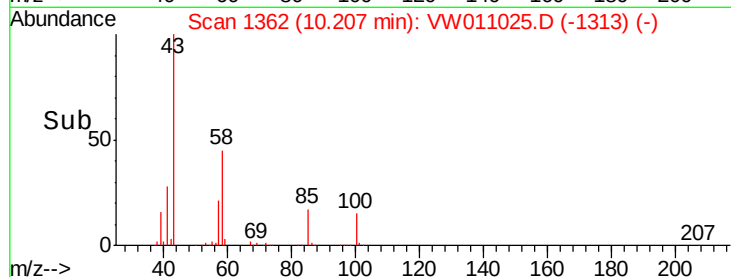
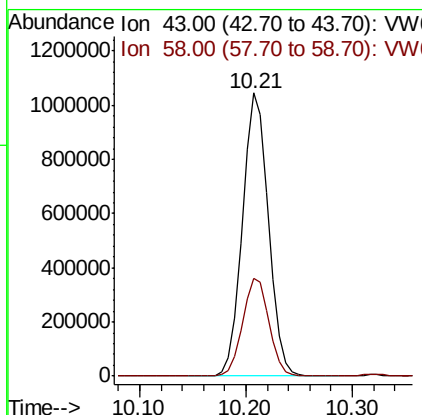
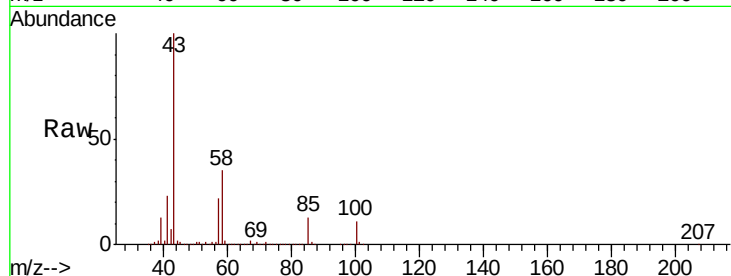




#51  
4-Methyl-2-Pentanone  
Concen: 840.429 ug/l  
RT: 10.21 min Scan# 1362  
Delta R.T. -0.00 min  
Lab File: VW011025.D  
Acq: 27 Jun 2019 17:16

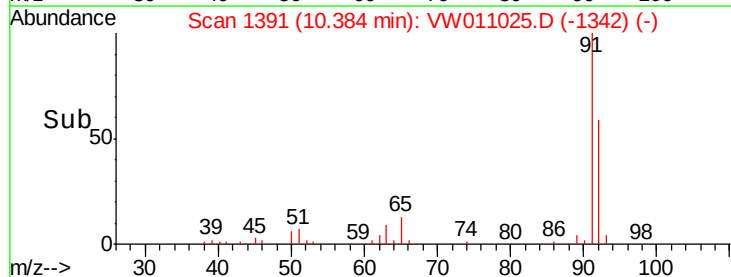
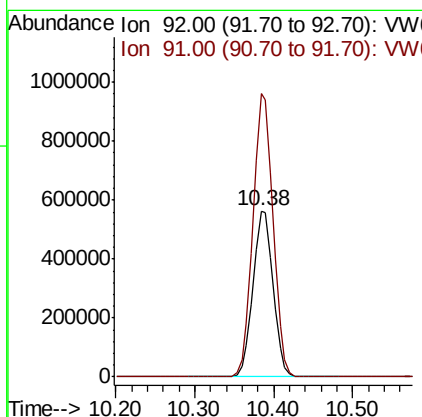
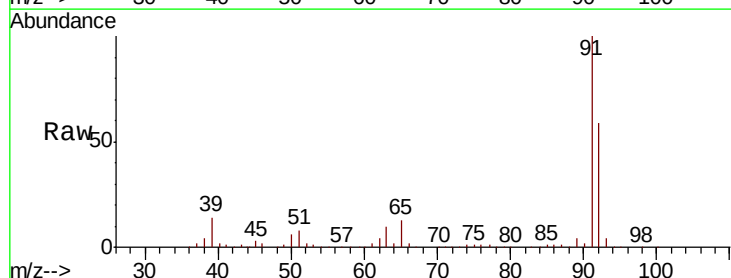
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC150

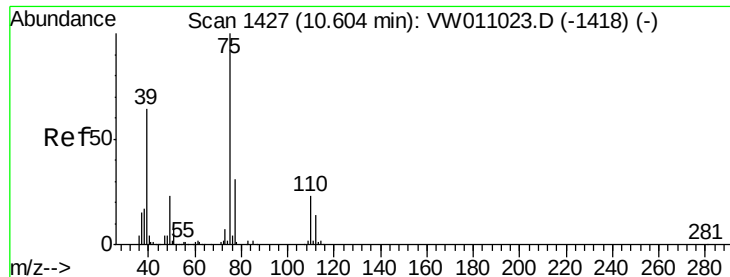
Tot Ion: 43 Resp: 1792296  
Ion Ratio Lower Upper  
43 100  
58 35.0 27.8 41.6



#52  
Toluene  
Concen: 154.514 ug/l  
RT: 10.38 min Scan# 1391  
Delta R.T. -0.00 min  
Lab File: VW011025.D  
Acq: 27 Jun 2019 17:16

Tgt Ion: 92 Resp: 996786  
Ion Ratio Lower Upper  
92 100  
91 170.9 136.9 205.3





#53

t-1,3-Dichloropropene

Concen: 168.625 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW011025.D

Acq: 27 Jun 2019 17:16

Instrument :

MSVOA\_W

ClientSampleId :

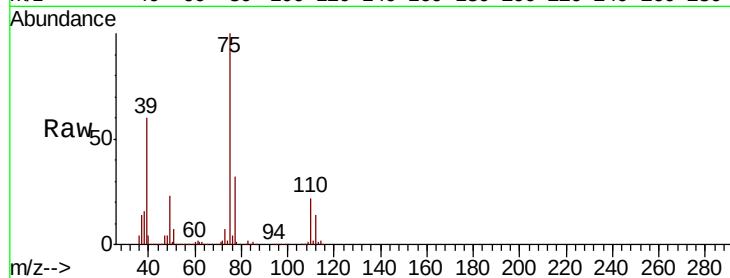
VSTDIC150

Tot Ion: 75 Resp: 594712

Ion Ratio Lower Upper

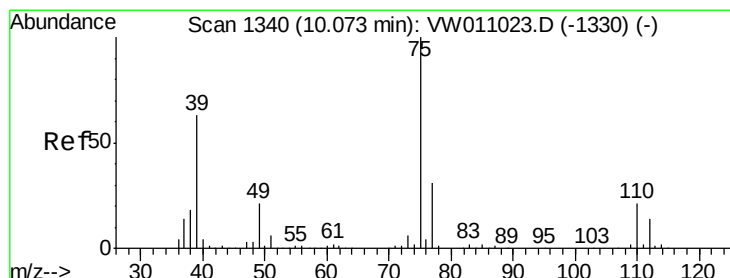
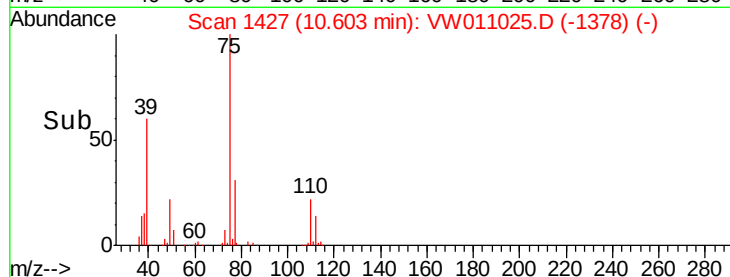
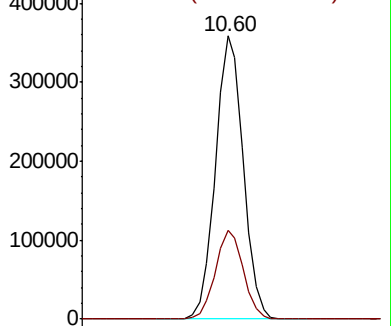
75 100

77 31.5 24.6 37.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW



#54

cis-1,3-Dichloropropene

Concen: 165.528 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW011025.D

Acq: 27 Jun 2019 17:16

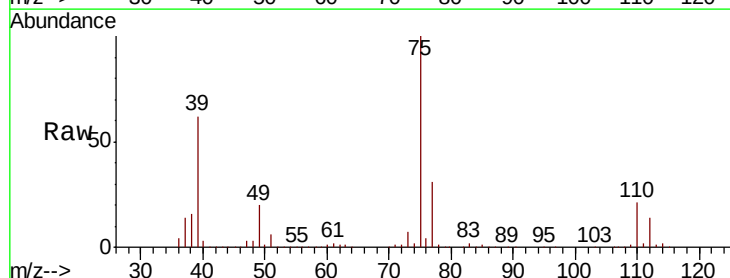
Tgt Ion: 75 Resp: 688769

Ion Ratio Lower Upper

75 100

77 30.8 24.8 37.2

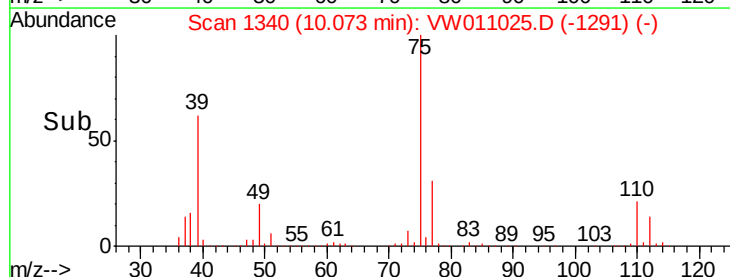
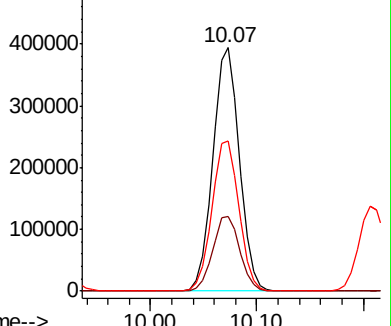
39 61.8 50.0 75.0

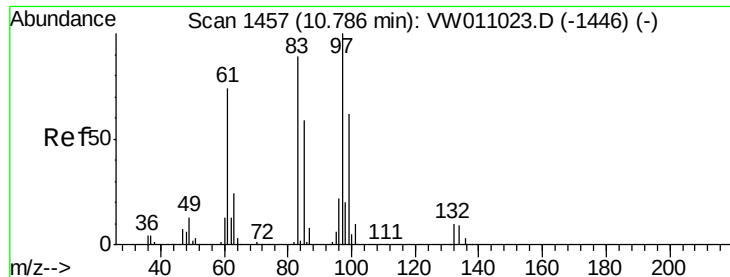


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

Ion 39.00 (38.70 to 39.70): VW

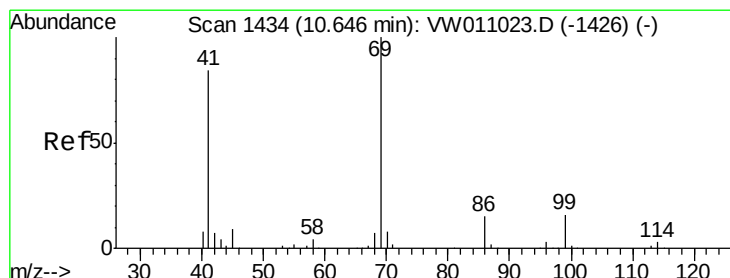
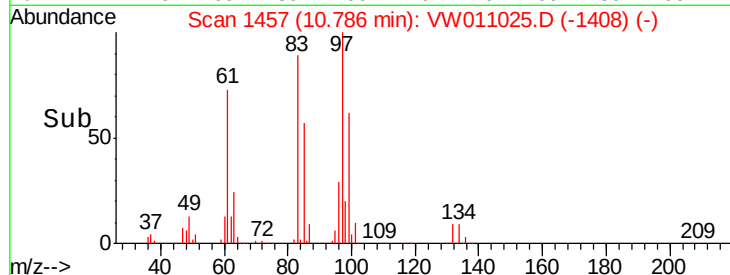
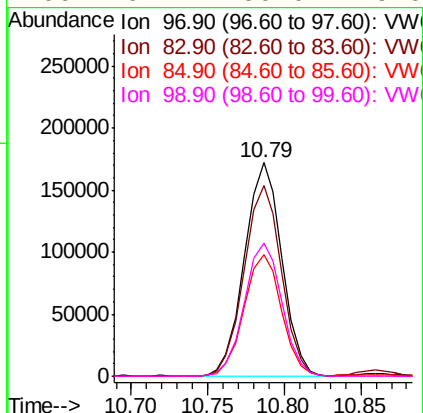
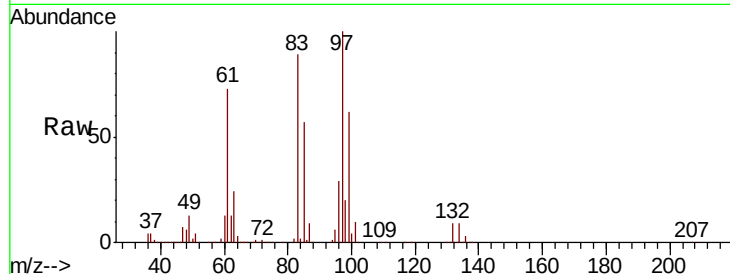




#55  
 1,1,2-Trichloroethane  
 Concen: 156.546 ug/l  
 RT: 10.79 min Scan# 1457  
 Delta R.T. -0.00 min  
 Lab File: VW011025.D  
 Acq: 27 Jun 2019 17:16

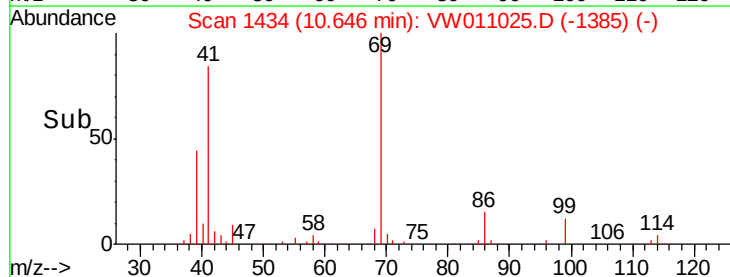
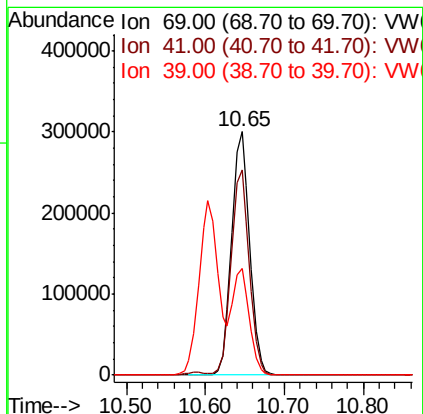
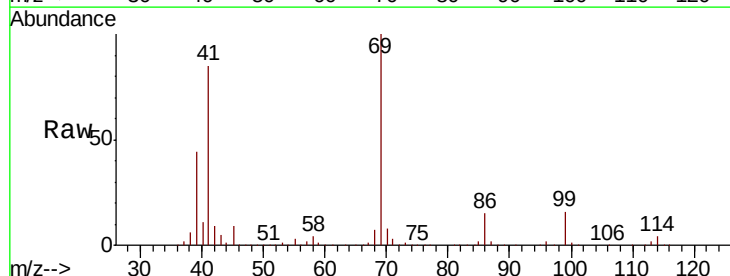
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDIC150

Tot Ion: 97 Resp: 292048  
 Ion Ratio Lower Upper  
 97 100  
 83 89.4 70.9 106.3  
 85 57.0 47.2 70.8  
 99 62.2 50.0 75.0

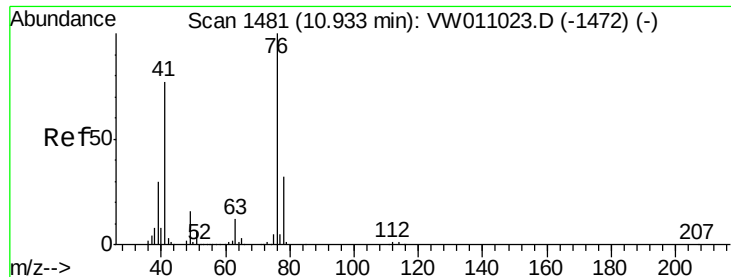


#56  
 Ethyl methacrylate  
 Concen: 167.654 ug/l  
 RT: 10.65 min Scan# 1434  
 Delta R.T. -0.00 min  
 Lab File: VW011025.D  
 Acq: 27 Jun 2019 17:16

Tgt Ion: 69 Resp: 479112  
 Ion Ratio Lower Upper  
 69 100  
 41 84.3 67.9 101.9  
 39 40.4 33.2 49.8



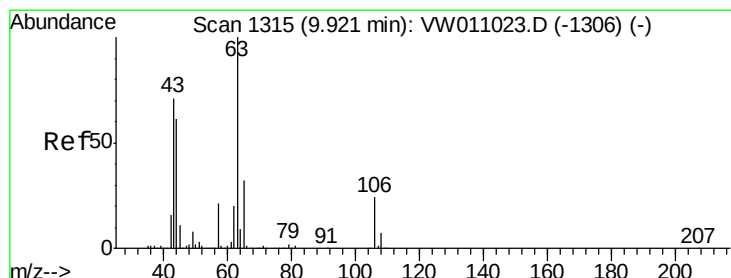
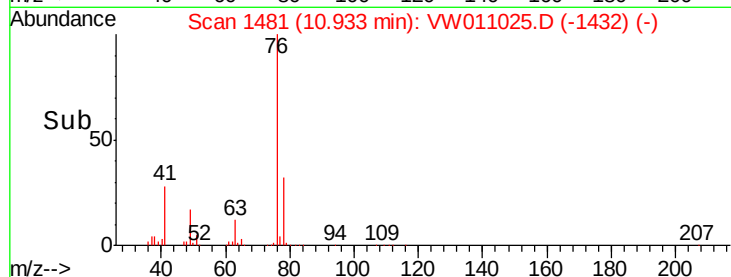
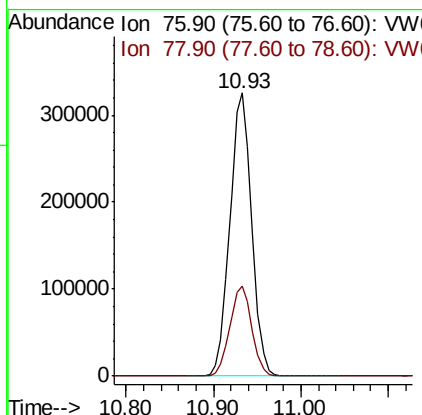
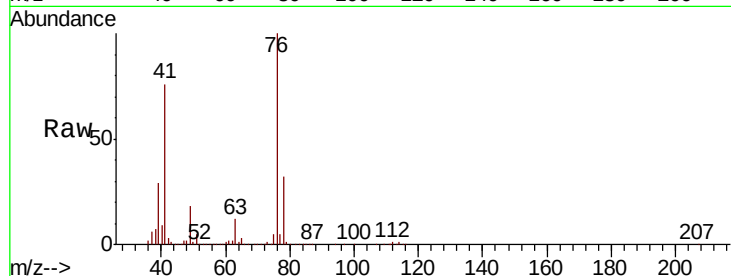




#57  
 1,3-Dichloropropane  
 Concen: 160.104 ug/l  
 RT: 10.93 min Scan# 1481  
 Delta R.T. -0.00 min  
 Lab File: VW011025.D  
 Acq: 27 Jun 2019 17:16

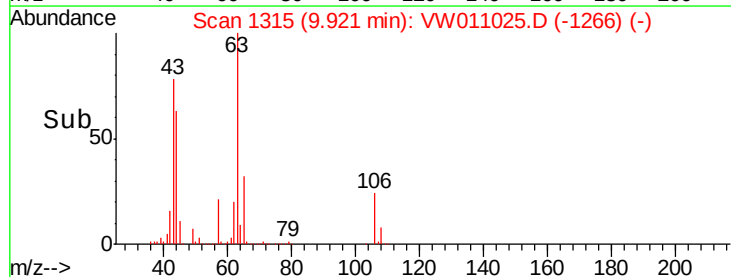
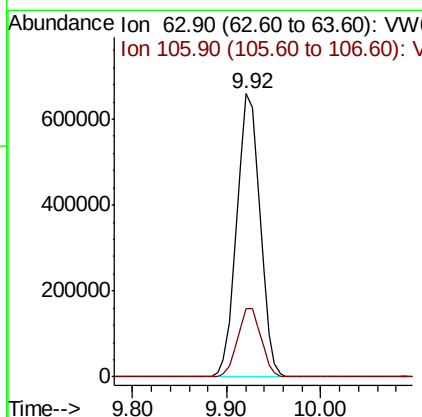
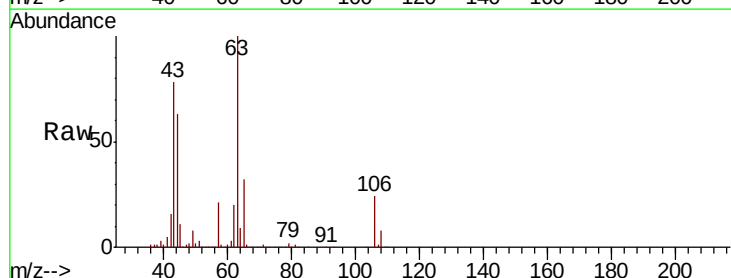
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDIC150

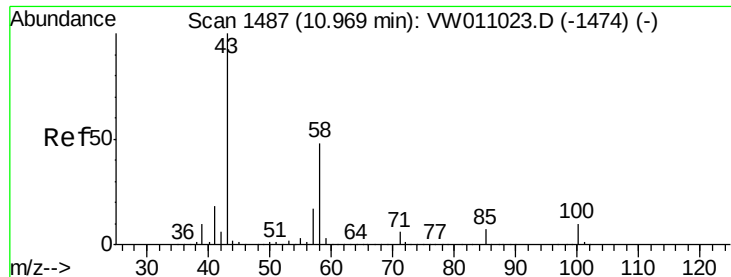
Tot Ion: 76 Resp: 562574  
 Ion Ratio Lower Upper  
 76 100  
 78 32.0 25.8 38.6



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 766.946 ug/l  
 RT: 9.92 min Scan# 1315  
 Delta R.T. -0.00 min  
 Lab File: VW011025.D  
 Acq: 27 Jun 2019 17:16

Tgt Ion: 63 Resp: 1141663  
 Ion Ratio Lower Upper  
 63 100  
 106 24.5 19.4 29.0

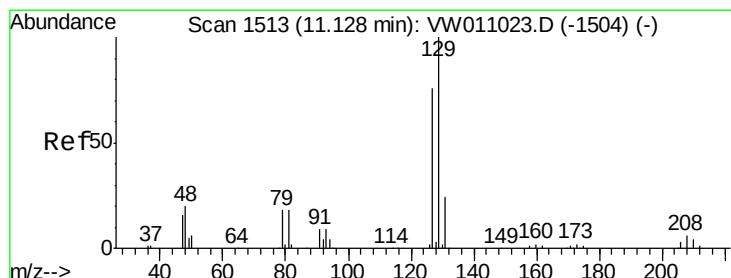
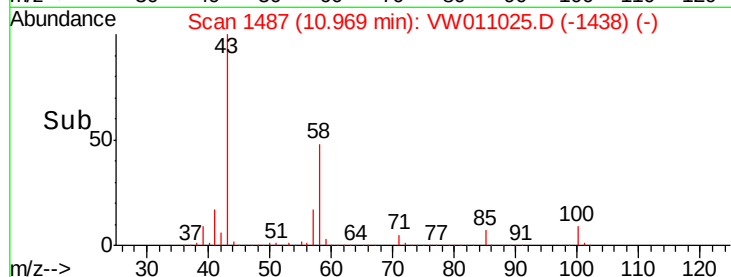
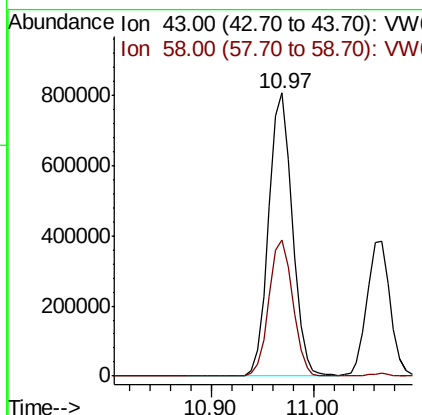
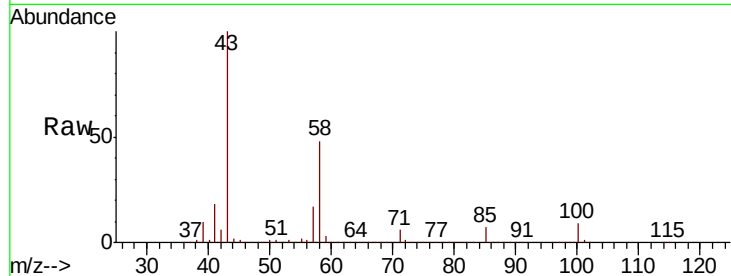




#59  
2-Hexanone  
Concen: 844.426 ug/l  
RT: 10.97 min Scan# 1487  
Delta R.T. -0.00 min  
Lab File: VW011025.D  
Acq: 27 Jun 2019 17:16

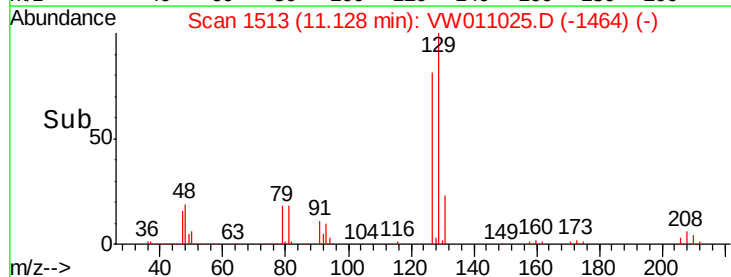
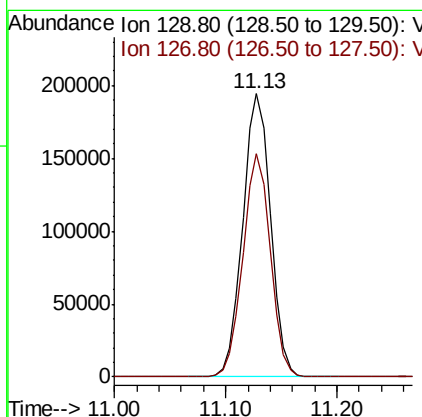
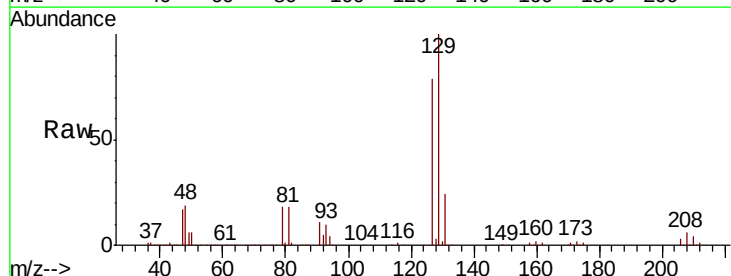
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC150

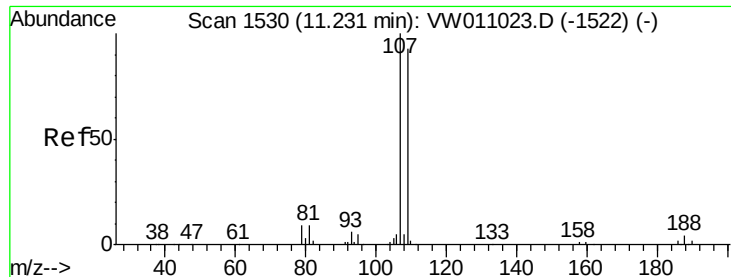
Tot Ion: 43 Resp: 1294524  
Ion Ratio Lower Upper  
43 100  
58 48.7 23.8 71.5



#60  
Dibromochloromethane  
Concen: 164.869 ug/l  
RT: 11.13 min Scan# 1513  
Delta R.T. -0.00 min  
Lab File: VW011025.D  
Acq: 27 Jun 2019 17:16

Tgt Ion: 129 Resp: 336870  
Ion Ratio Lower Upper  
129 100  
127 77.9 39.4 118.1





#61

1,2-Dibromoethane

Concen: 160.055 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. -0.00 min

Lab File: VW011025.D

Acq: 27 Jun 2019 17:16

Instrument :

MSVOA\_W

ClientSampleId :

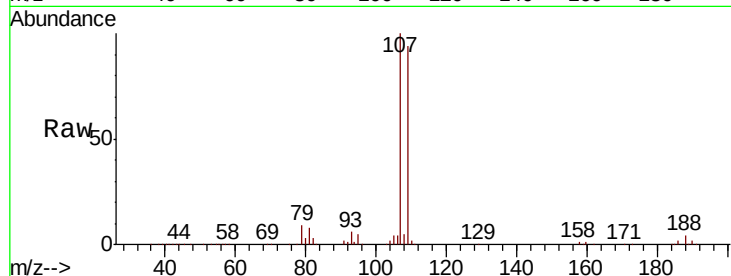
VSTDIC150

Tot Ion:107 Resp: 281871

Ion Ratio Lower Upper

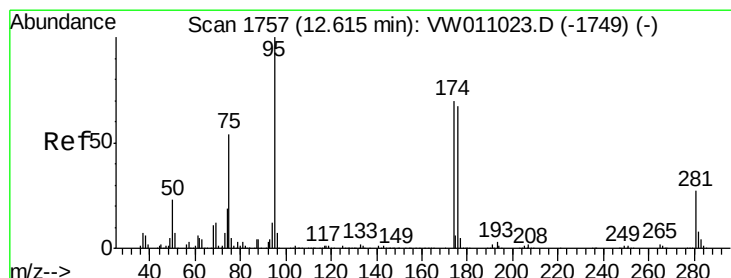
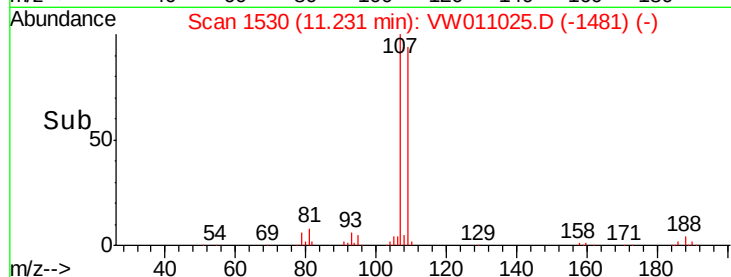
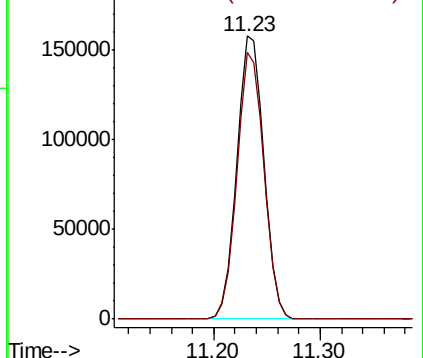
107 100

109 93.9 75.1 112.7



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 150.773 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW011025.D

Acq: 27 Jun 2019 17:16

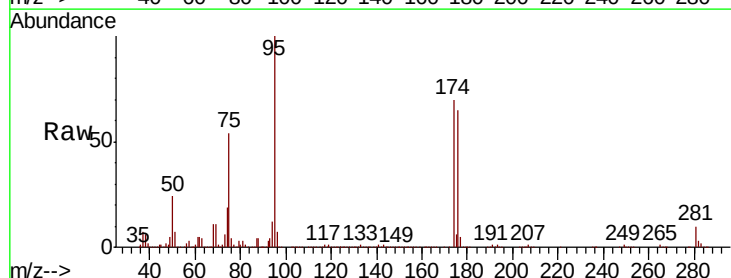
Tgt Ion: 95 Resp: 504397

Ion Ratio Lower Upper

95 100

174 74.5 0.0 149.2

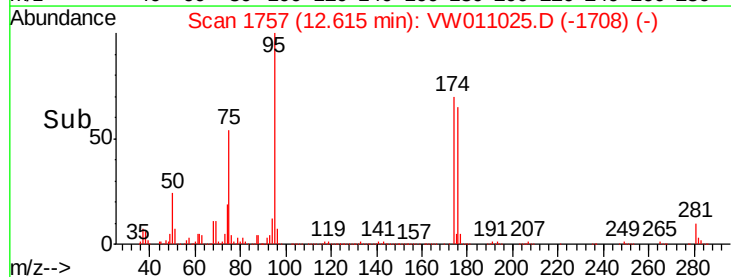
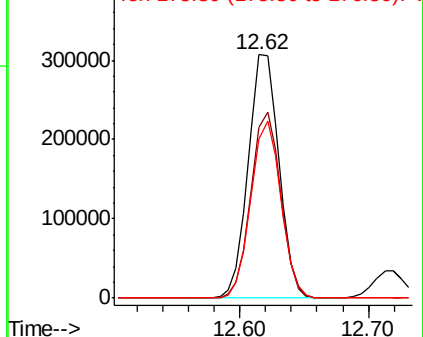
176 71.2 0.0 143.6

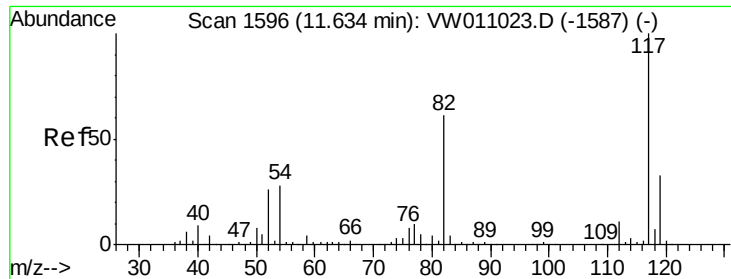


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

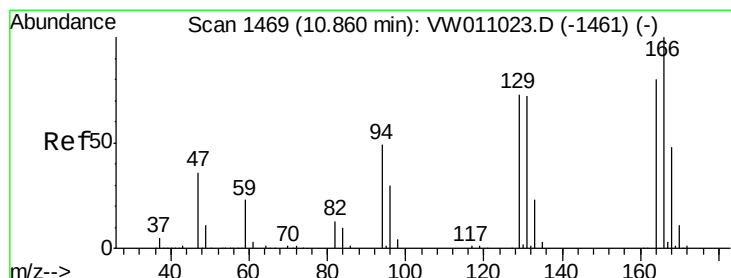
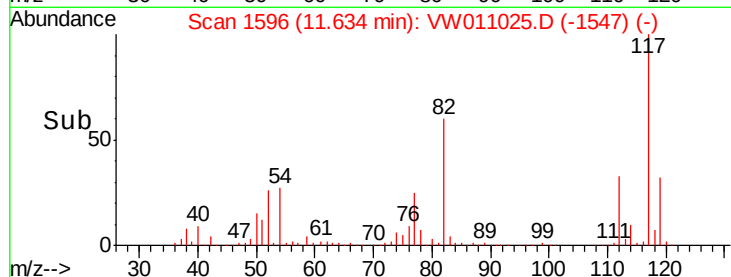
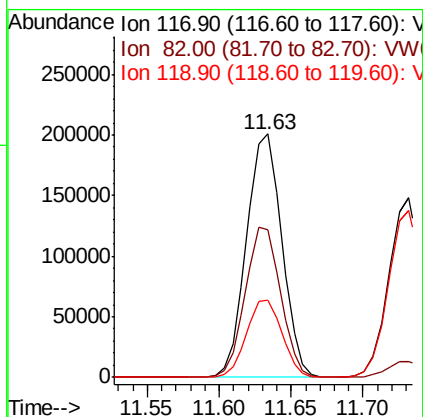
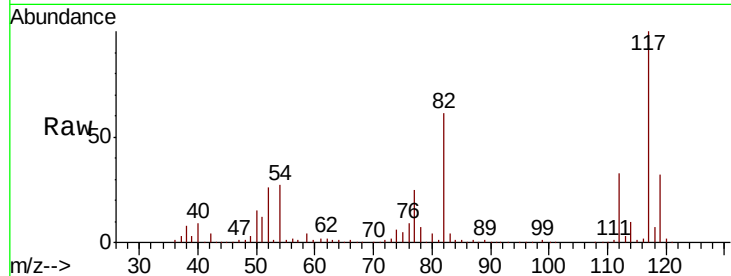




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.63 min Scan# 1596  
Delta R.T. -0.00 min  
Lab File: VW011025.D  
Acq: 27 Jun 2019 17:16

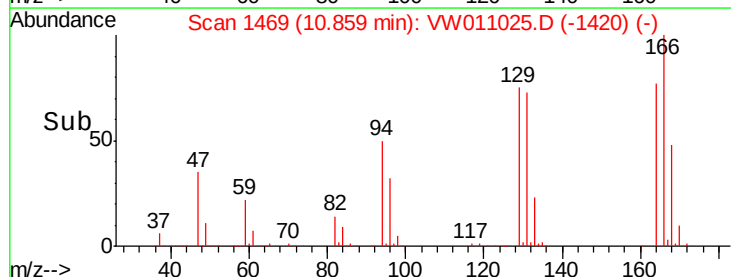
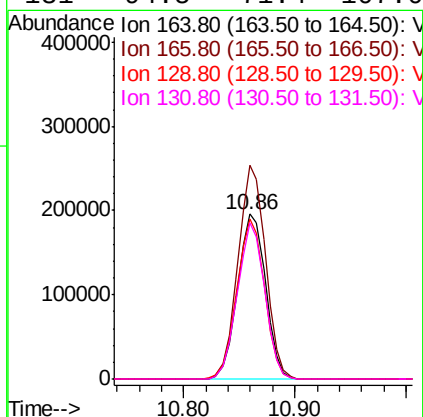
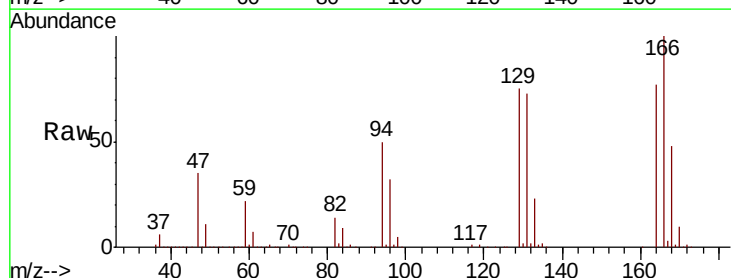
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC150

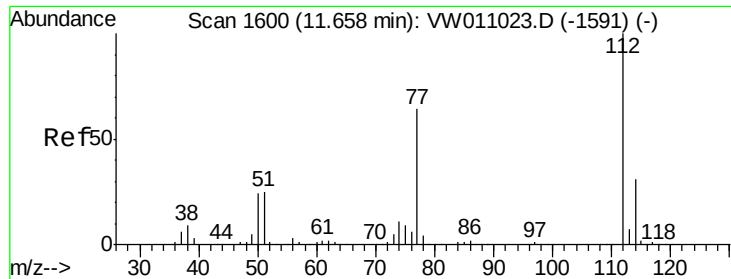
Tot Ion:117 Resp: 341290  
Ion Ratio Lower Upper  
117 100  
82 60.5 48.6 73.0  
119 32.0 26.1 39.1



#64  
Tetrachloroethene  
Concen: 149.799 ug/l  
RT: 10.86 min Scan# 1469  
Delta R.T. -0.00 min  
Lab File: VW011025.D  
Acq: 27 Jun 2019 17:16

Tgt Ion:164 Resp: 341293  
Ion Ratio Lower Upper  
164 100  
166 129.6 99.8 149.6  
129 97.3 73.0 109.4  
131 94.5 71.4 107.0

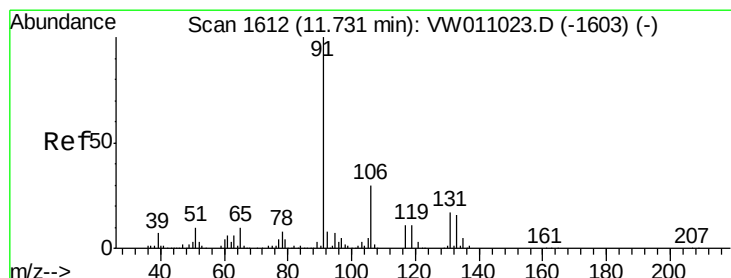
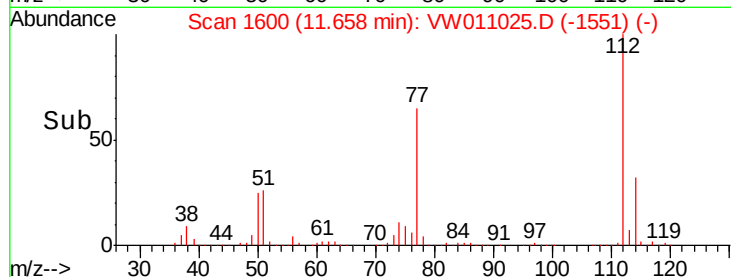
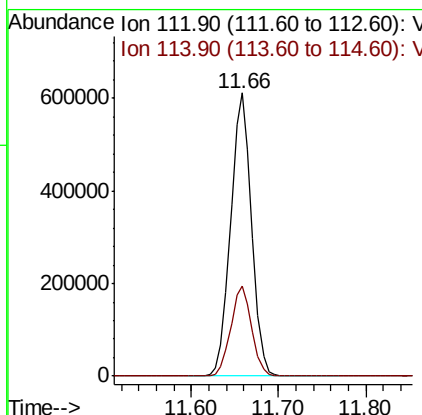
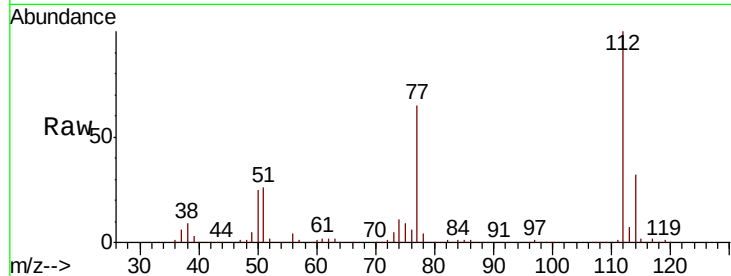




#65  
Chlorobenzene  
Concen: 149.932 ug/l  
RT: 11.66 min Scan# 1600  
Delta R.T. -0.00 min  
Lab File: VW011025.D  
Acq: 27 Jun 2019 17:16

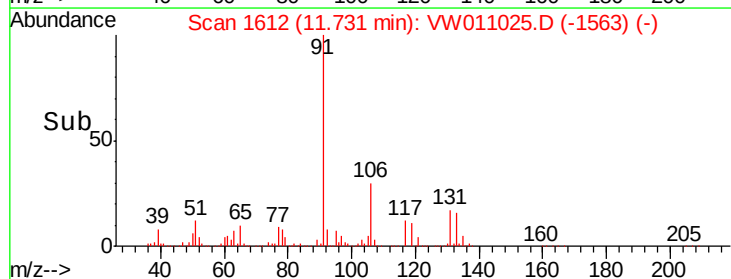
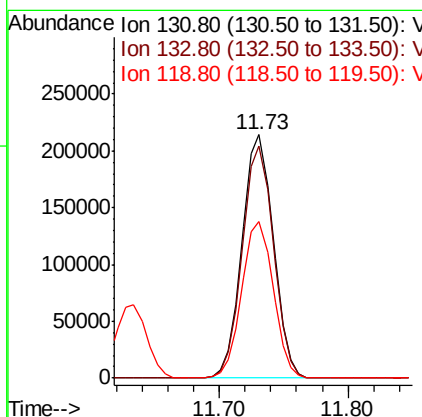
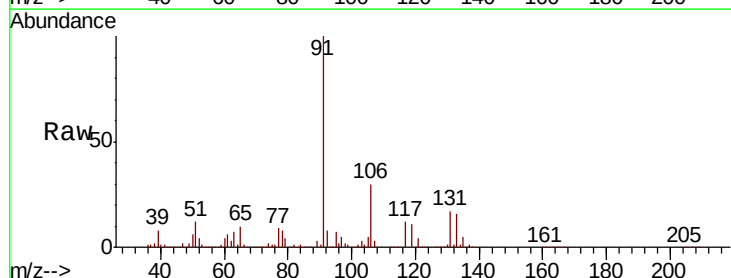
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC150

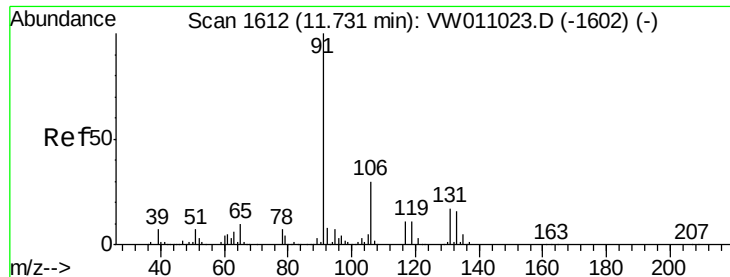
Tot Ion:112 Resp: 1013859  
Ion Ratio Lower Upper  
112 100  
114 31.7 25.2 37.8



#66  
1,1,1,2-Tetrachloroethane  
Concen: 154.602 ug/l  
RT: 11.73 min Scan# 1612  
Delta R.T. -0.00 min  
Lab File: VW011025.D  
Acq: 27 Jun 2019 17:16

Tgt Ion:131 Resp: 359789  
Ion Ratio Lower Upper  
131 100  
133 95.1 47.7 143.1  
119 65.0 33.1 99.2

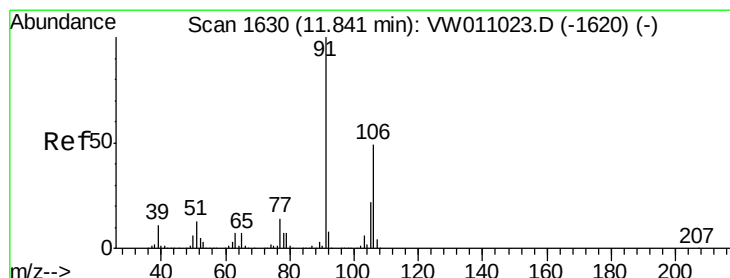
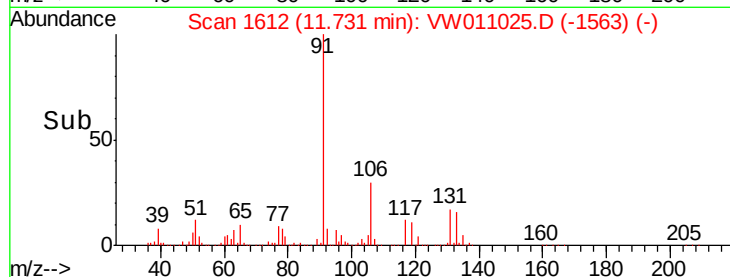
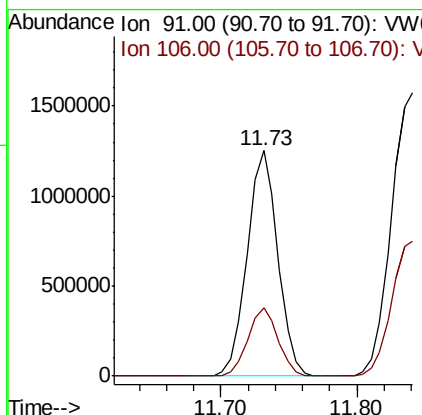
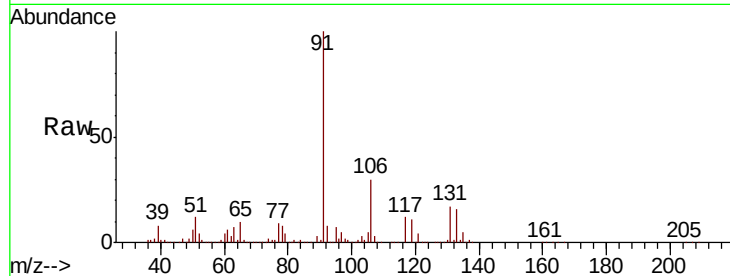




#67  
Ethyl Benzene  
Concen: 151.896 ug/l  
RT: 11.73 min Scan# 1612  
Delta R.T. -0.00 min  
Lab File: VW011025.D  
Acq: 27 Jun 2019 17:16

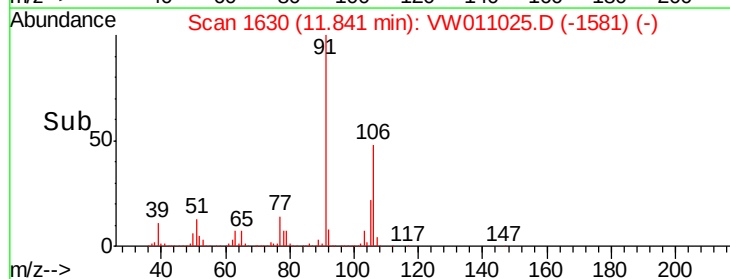
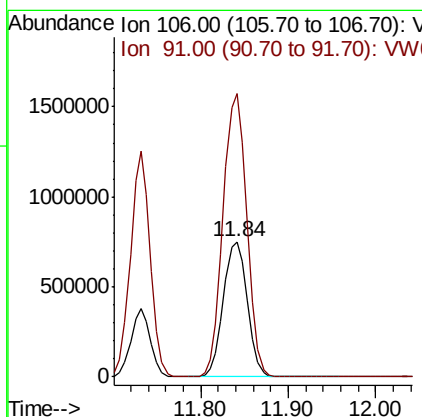
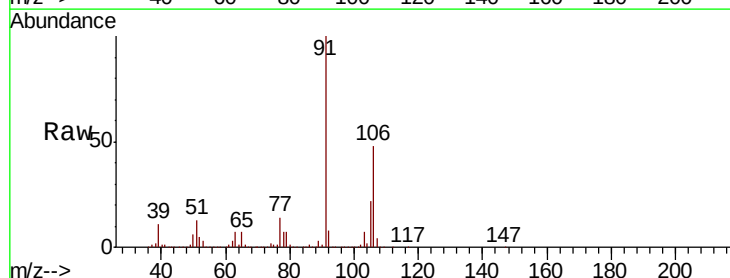
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC150

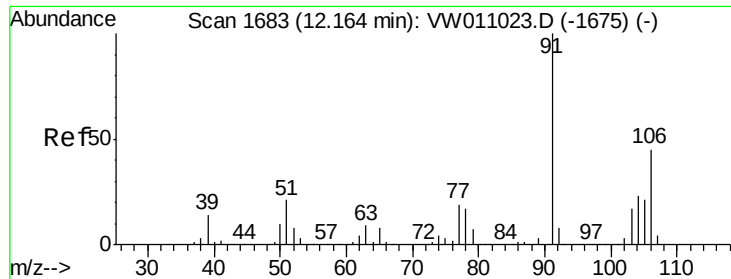
Tot Ion: 91 Resp: 1974239  
Ion Ratio Lower Upper  
91 100  
106 30.1 23.8 35.6



#68  
m/p-Xylenes  
Concen: 305.484 ug/l  
RT: 11.84 min Scan# 1630  
Delta R.T. -0.00 min  
Lab File: VW011025.D  
Acq: 27 Jun 2019 17:16

Tgt Ion:106 Resp: 1425867  
Ion Ratio Lower Upper  
106 100  
91 208.4 167.5 251.3

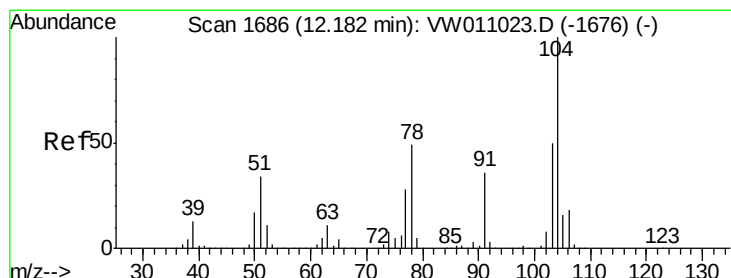
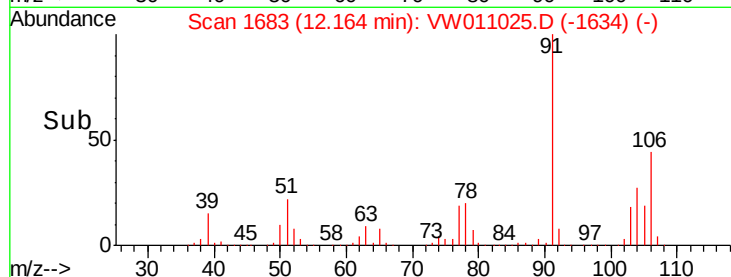
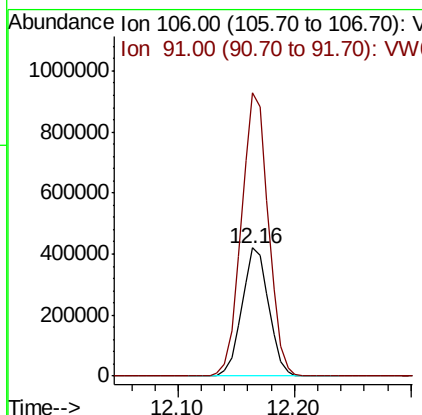
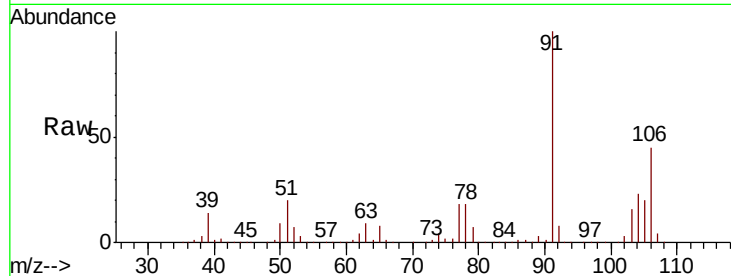




#69  
o-Xylene  
Concen: 153.164 ug/l  
RT: 12.16 min Scan# 1683  
Delta R.T. -0.00 min  
Lab File: VW011025.D  
Acq: 27 Jun 2019 17:16

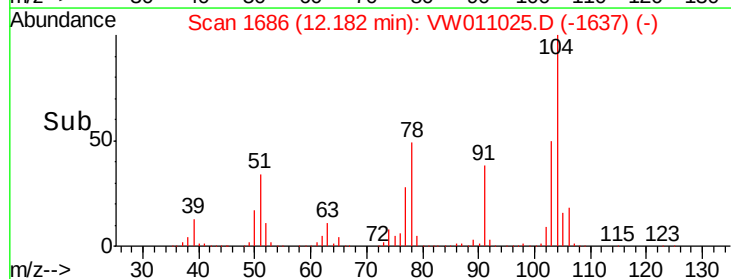
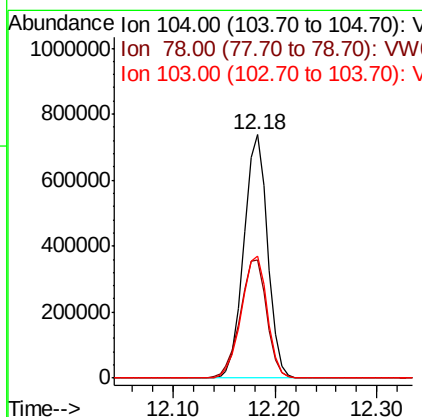
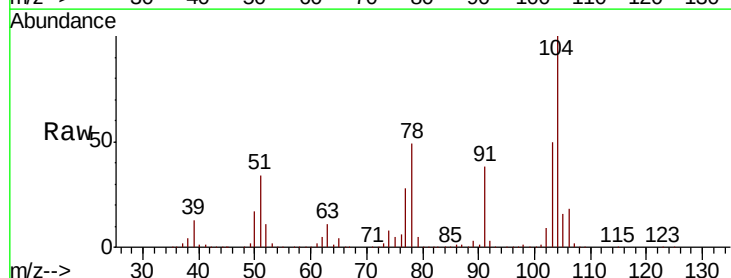
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC150

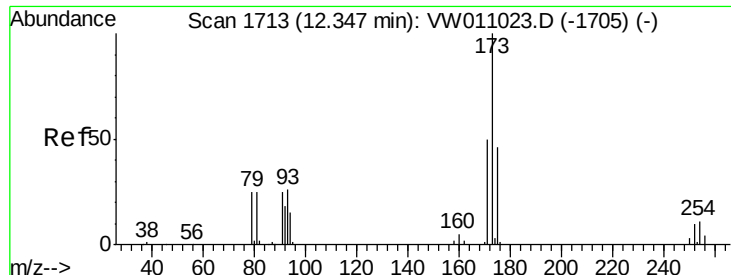
Tot Ion:106 Resp: 676090  
Ion Ratio Lower Upper  
106 100  
91 221.9 110.8 332.3



#70  
Styrene  
Concen: 155.335 ug/l  
RT: 12.18 min Scan# 1686  
Delta R.T. -0.00 min  
Lab File: VW011025.D  
Acq: 27 Jun 2019 17:16

Tgt Ion:104 Resp: 1191880  
Ion Ratio Lower Upper  
104 100  
78 54.2 43.7 65.5  
103 54.8 43.9 65.9





#71

Bromoform

Concen: 161.262 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW011025.D

Acq: 27 Jun 2019 17:16

Instrument :

MSVOA\_W

ClientSampleId :

VSTDIC150

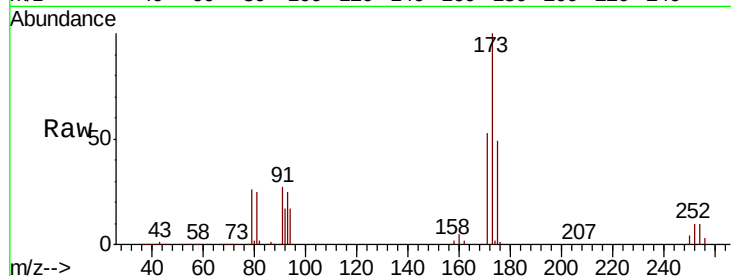
Tot Ion:173 Resp: 193377

Ion Ratio Lower Upper

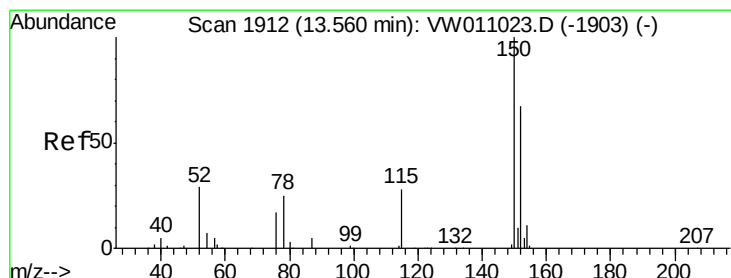
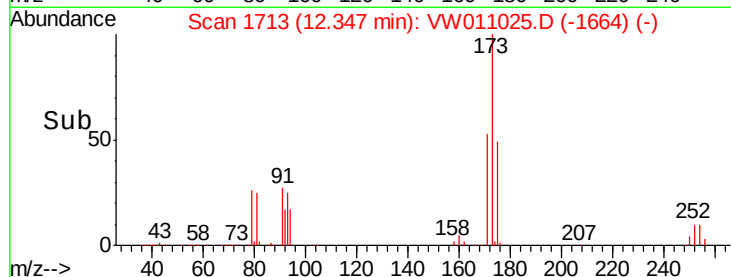
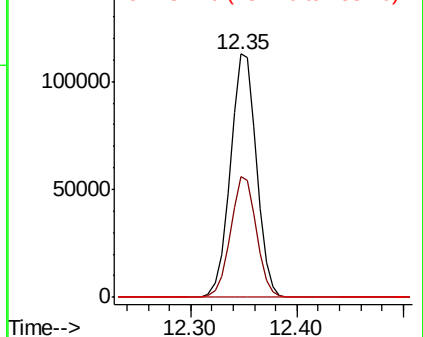
173 100

175 49.2 24.1 72.2

254 0.1 0.0 0.0#



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: VW011025.D

Acq: 27 Jun 2019 17:16

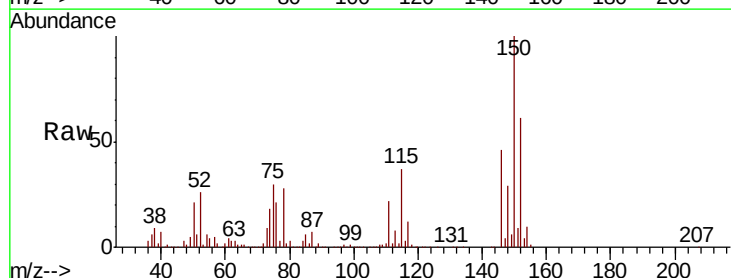
Tgt Ion:152 Resp: 165371

Ion Ratio Lower Upper

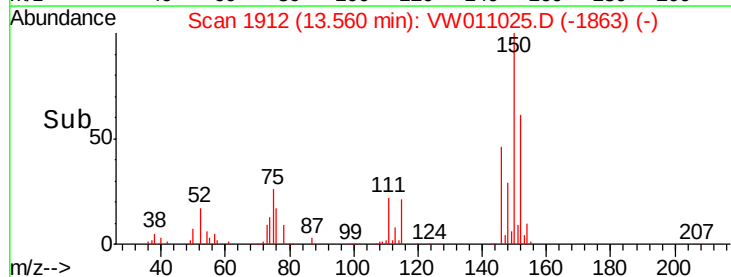
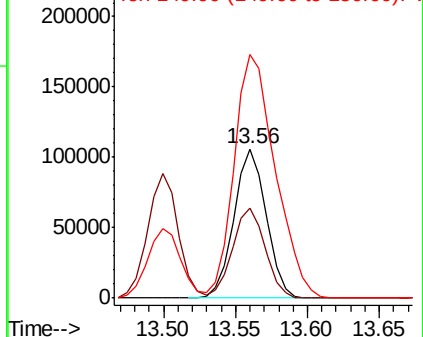
152 100

115 61.2 30.7 92.1

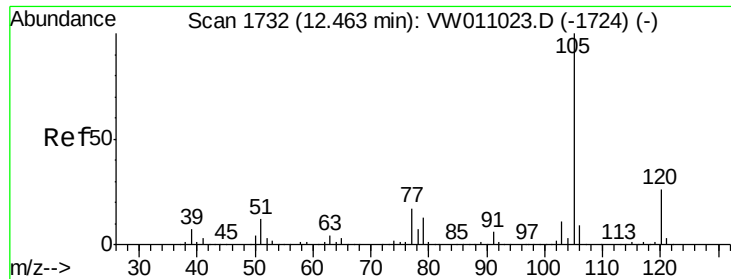
150 207.5 0.0 341.8



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



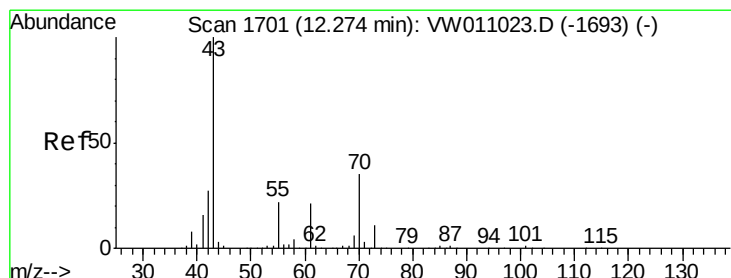
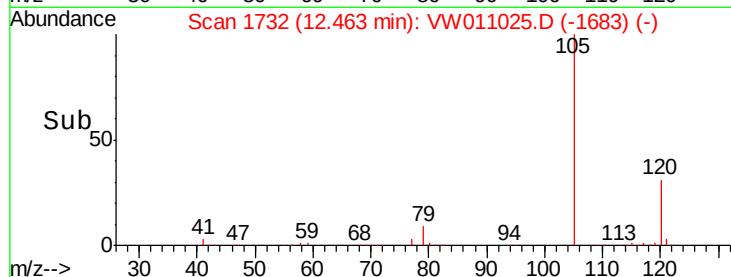
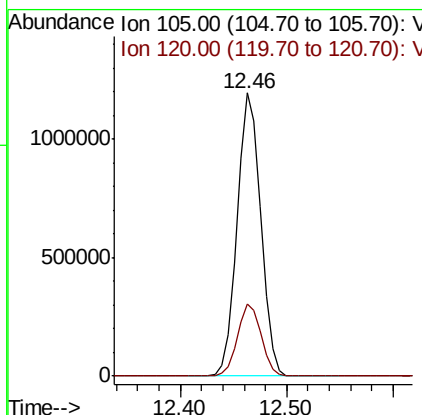
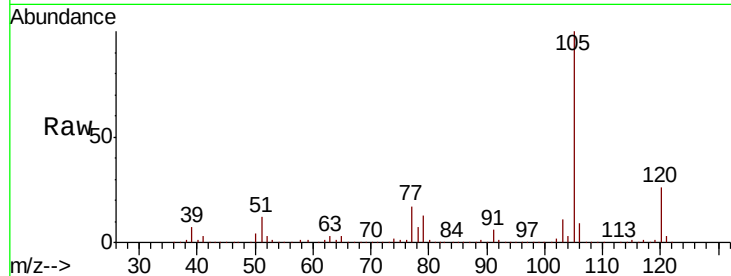




#73  
Isopropylbenzene  
Concen: 150.806 ug/l  
RT: 12.46 min Scan# 1732  
Delta R.T. -0.00 min  
Lab File: VW011025.D  
Acq: 27 Jun 2019 17:16

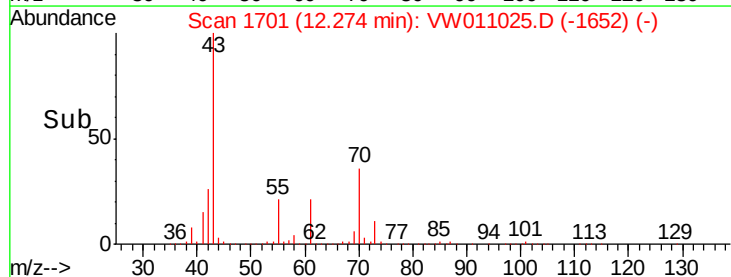
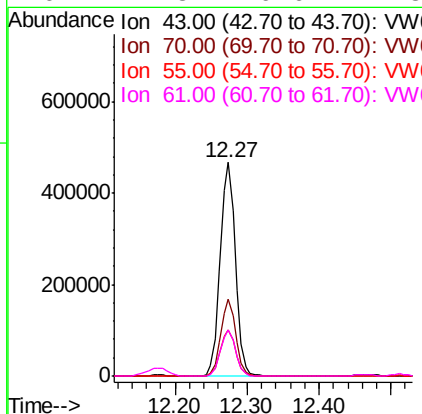
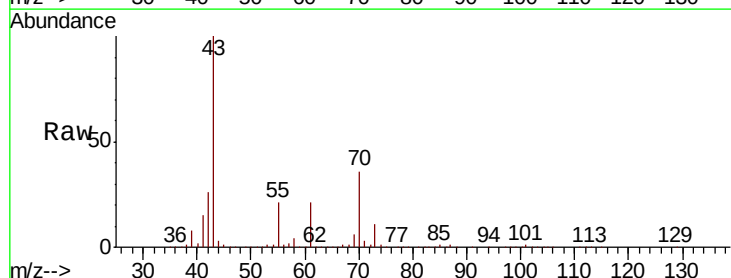
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC150

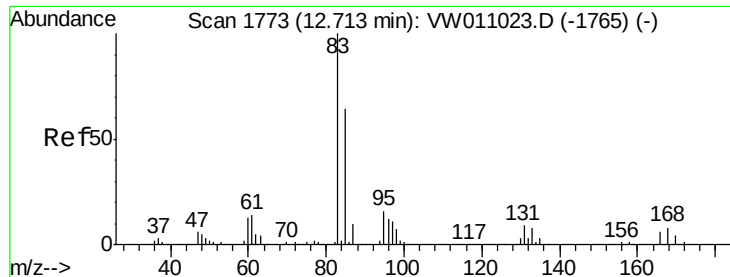
Tot Ion:105 Resp: 1867958  
Ion Ratio Lower Upper  
105 100  
120 25.7 12.9 38.6



#74  
N-ethyl acetate  
Concen: 167.420 ug/l  
RT: 12.27 min Scan# 1701  
Delta R.T. -0.00 min  
Lab File: VW011025.D  
Acq: 27 Jun 2019 17:16

Tgt Ion: 43 Resp: 680233  
Ion Ratio Lower Upper  
43 100  
70 35.4 28.2 42.4  
55 21.7 17.8 26.8  
61 21.3 16.6 24.8





#75

1,1,2,2-Tetrachloroethane

Concen: 154.528 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW011025.D

Acq: 27 Jun 2019 17:16

Instrument :

MSVOA\_W

ClientSampleId :

VSTDIC150

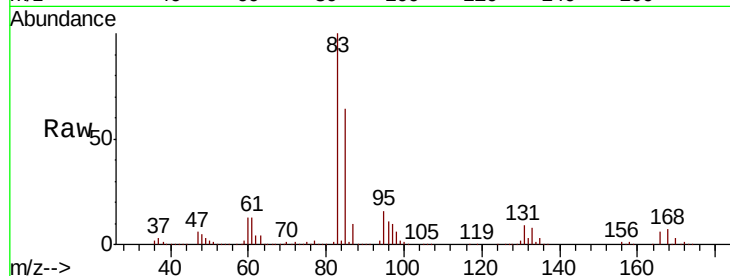
Tot Ion: 83 Resp: 367179

Ion Ratio Lower Upper

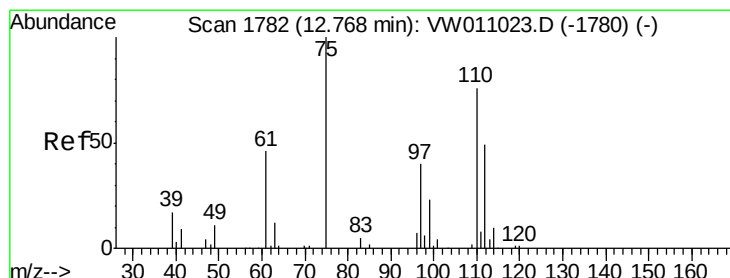
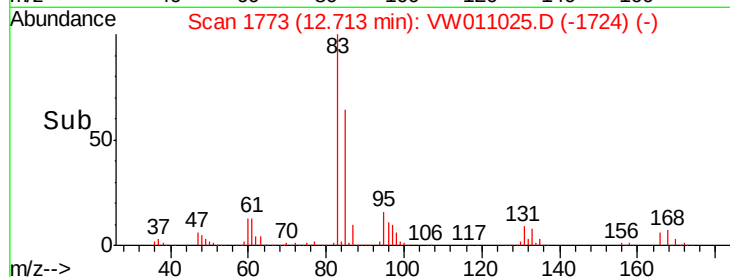
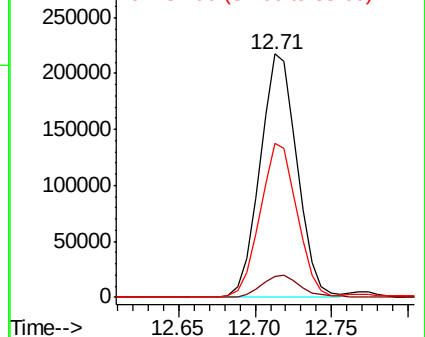
83 100

131 9.6 5.0 14.9

85 63.2 31.8 95.4



Abundance Ion 82.90 (82.60 to 83.60): VW  
Ion 130.80 (130.50 to 131.50): V  
Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 283.714 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW011025.D

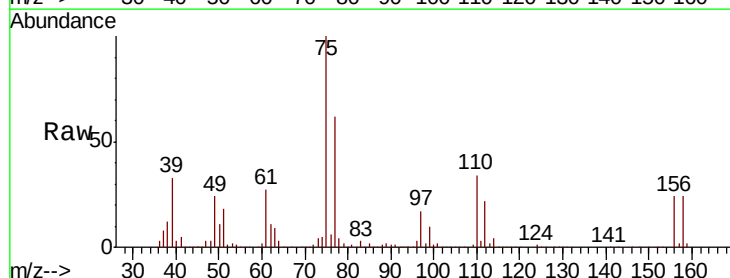
Acq: 27 Jun 2019 17:16

Tgt Ion: 75 Resp: 494614

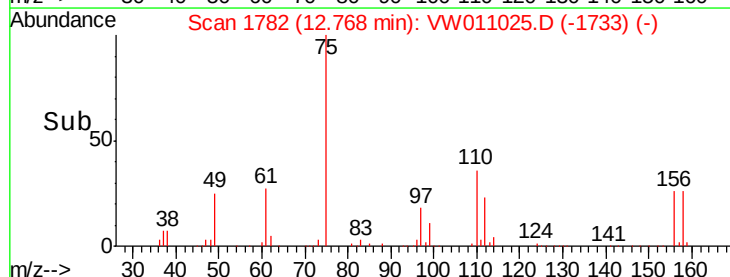
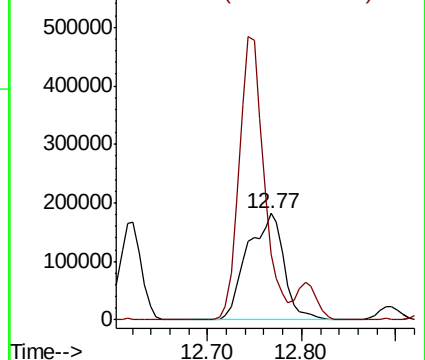
Ion Ratio Lower Upper

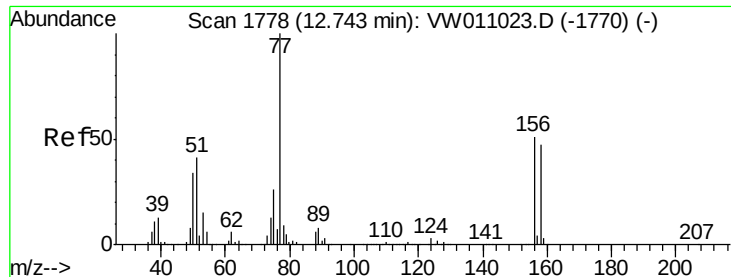
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW  
Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 150.904 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.01 min

Lab File: VW011025.D

Acq: 27 Jun 2019 17:16

Instrument :

MSVOA\_W

ClientSampleId :

VSTDIC150

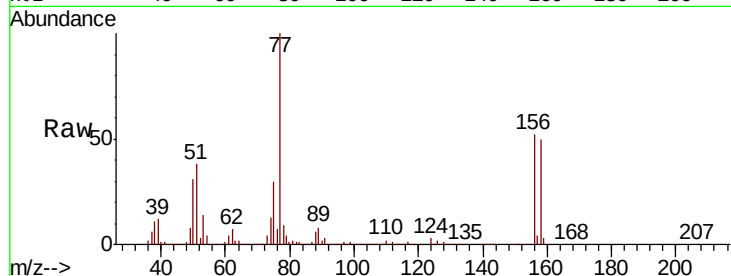
Tot Ion:156 Resp: 407709

Ion Ratio Lower Upper

156 100

77 219.3 109.5 328.5

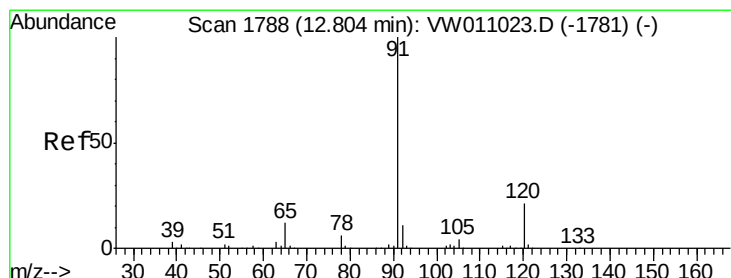
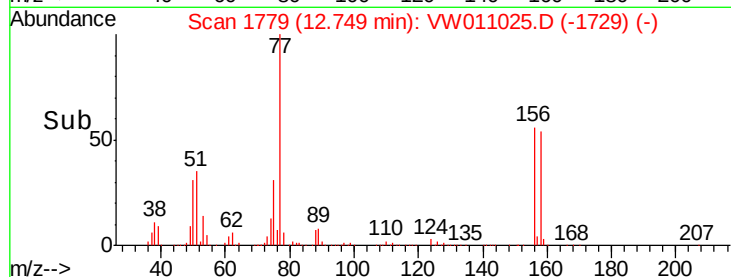
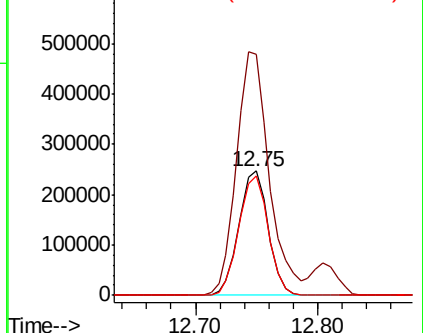
158 96.9 48.6 145.9



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: 152.182 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW011025.D

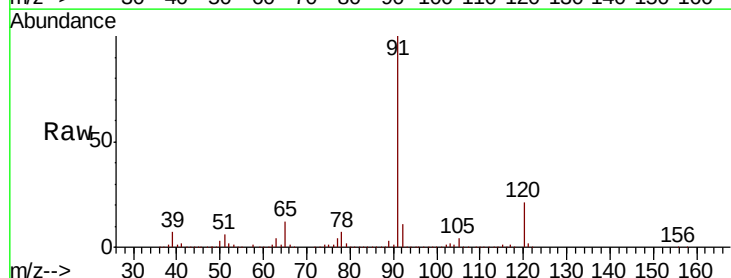
Acq: 27 Jun 2019 17:16

Tgt Ion: 91 Resp: 2285336

Ion Ratio Lower Upper

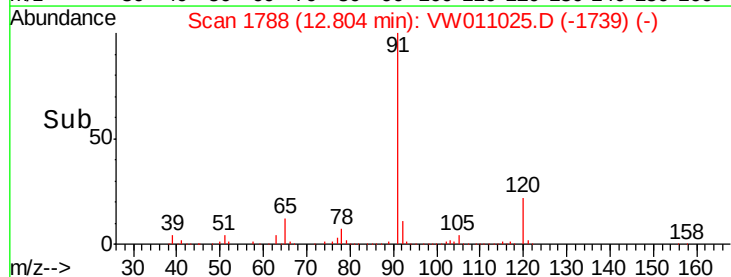
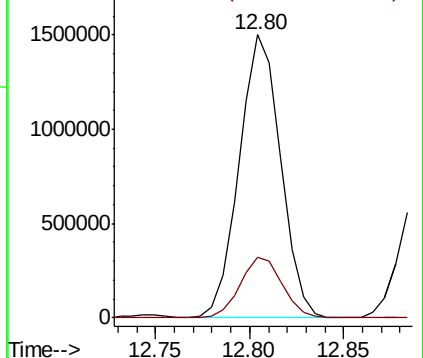
91 100

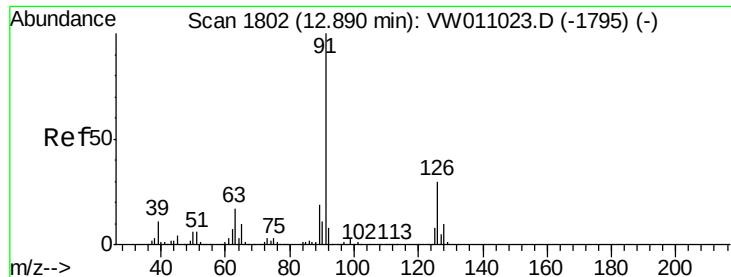
120 21.6 10.5 31.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 152.216 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.01 min

Lab File: VW011025.D

Acq: 27 Jun 2019 17:16

Instrument :

MSVOA\_W

ClientSampleId :

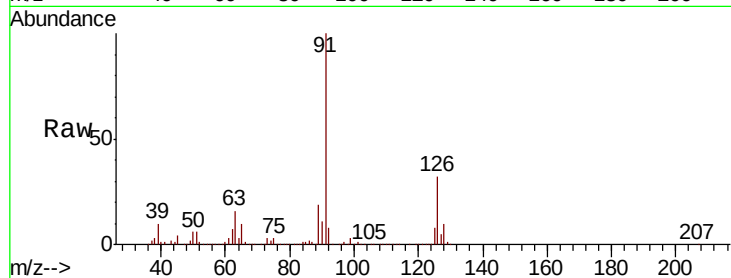
VSTDIC150

Tot Ion: 91 Resp: 1305831

Ion Ratio Lower Upper

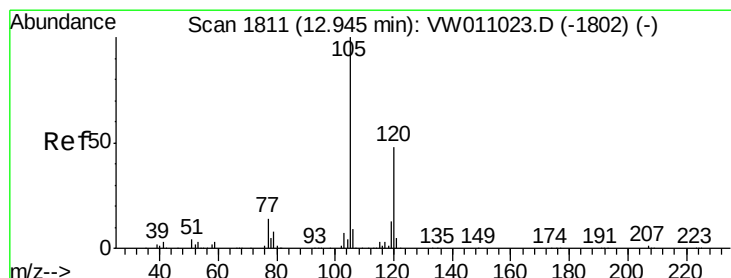
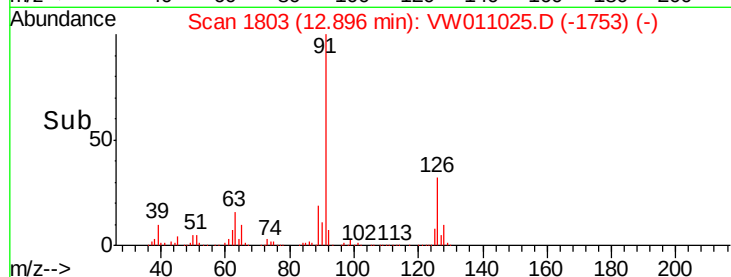
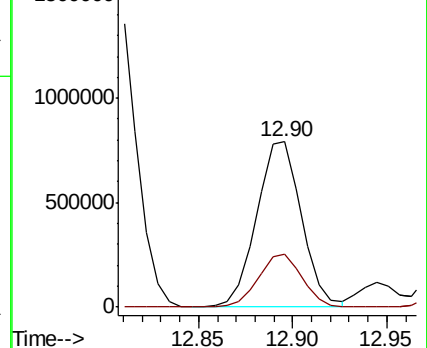
91 100

126 30.9 15.4 46.4



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 153.656 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW011025.D

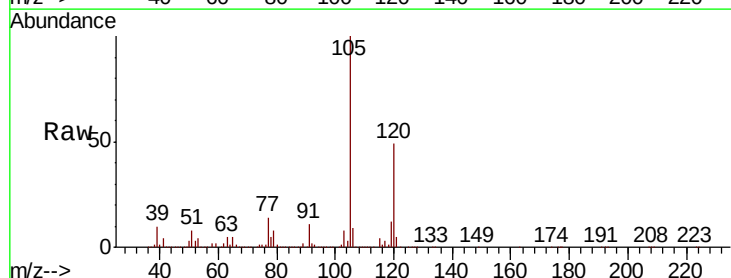
Acq: 27 Jun 2019 17:16

Tgt Ion:105 Resp: 1569688

Ion Ratio Lower Upper

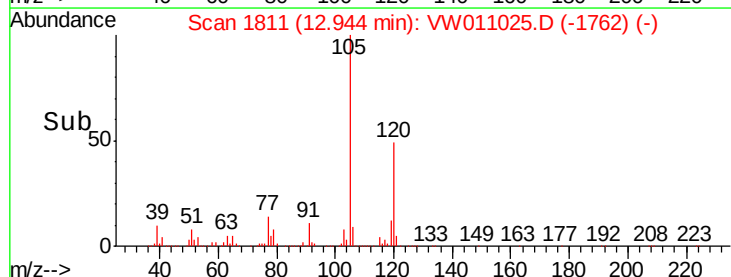
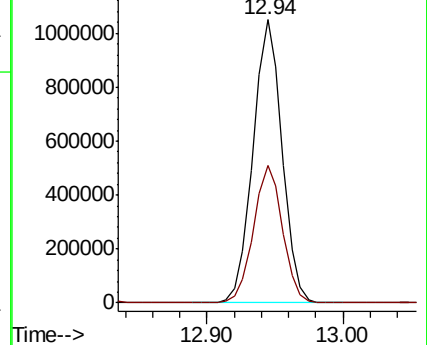
105 100

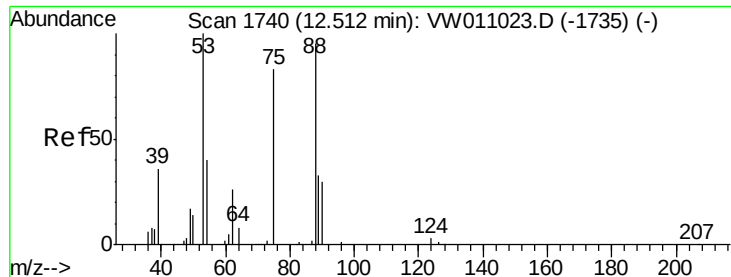
120 48.5 23.8 71.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 172.182 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW011025.D

Acq: 27 Jun 2019 17:16

Instrument :

MSVOA\_W

ClientSampleId :

VSTDIC150

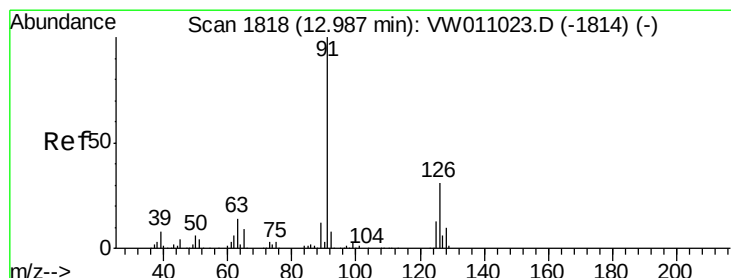
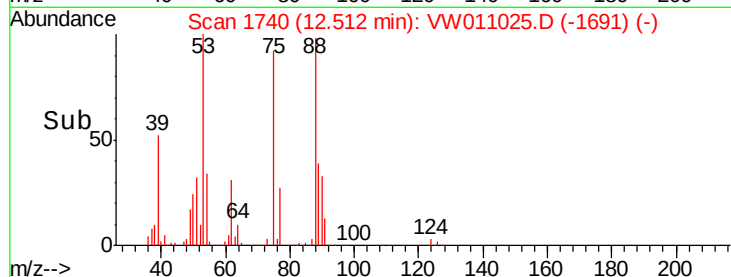
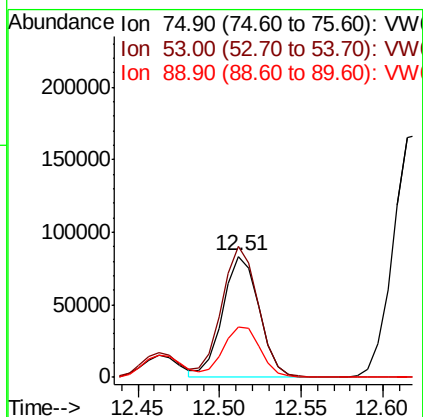
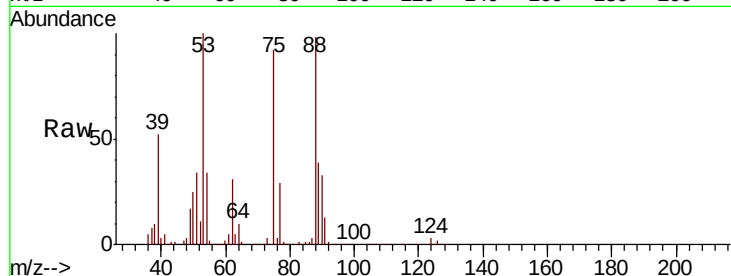
Tot Ion: 75 Resp: 129579

Ion Ratio Lower Upper

75 100

53 109.2 95.6 143.4

89 42.6 34.4 51.6



#82

4-Chlorotoluene

Concen: 152.516 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VW011025.D

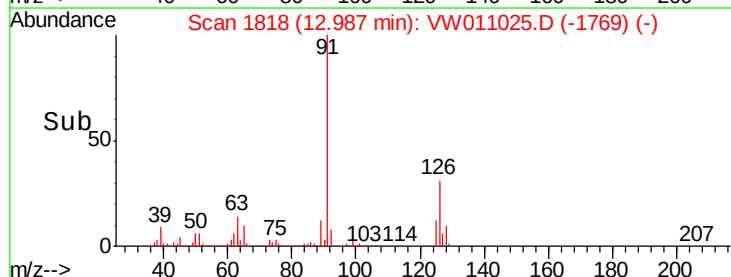
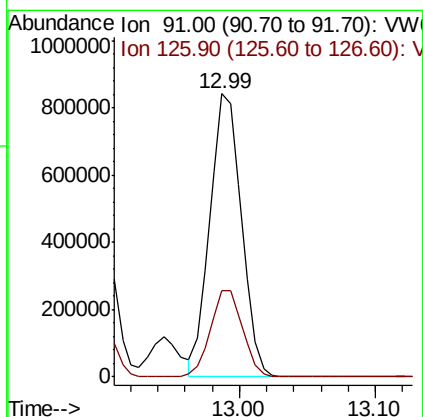
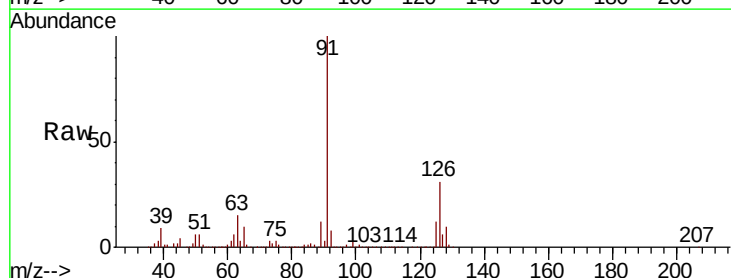
Acq: 27 Jun 2019 17:16

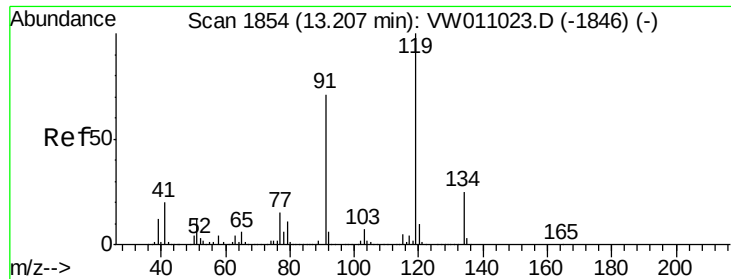
Tgt Ion: 91 Resp: 1352380

Ion Ratio Lower Upper

91 100

126 31.2 15.7 47.1

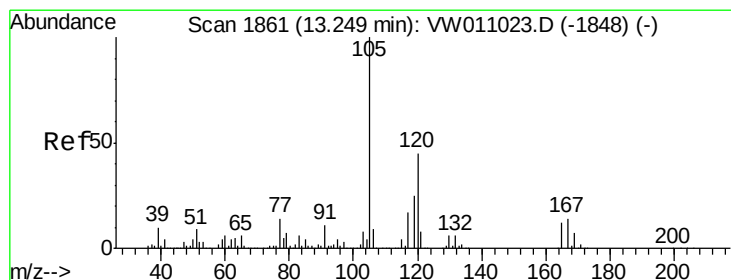
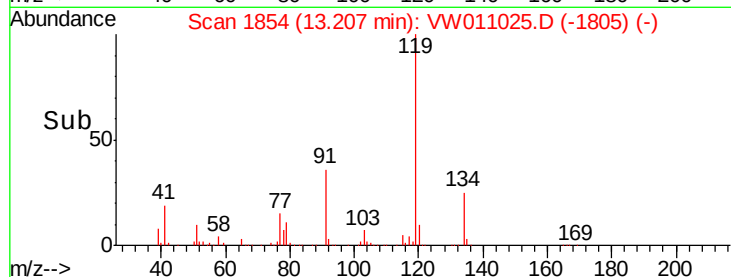
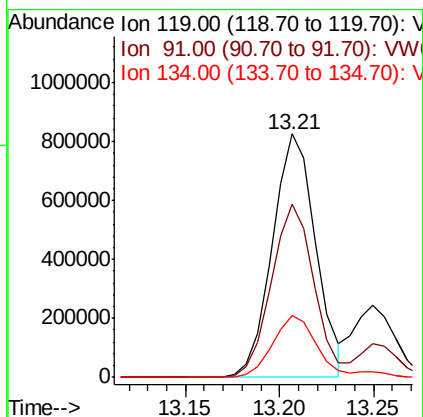
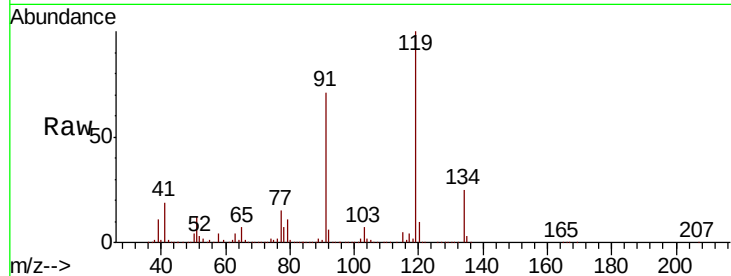




#83  
 tert-Butylbenzene  
 Concen: 152.457 ug/l  
 RT: 13.21 min Scan# 1854  
 Delta R.T. -0.00 min  
 Lab File: VW011025.D  
 Acq: 27 Jun 2019 17:16

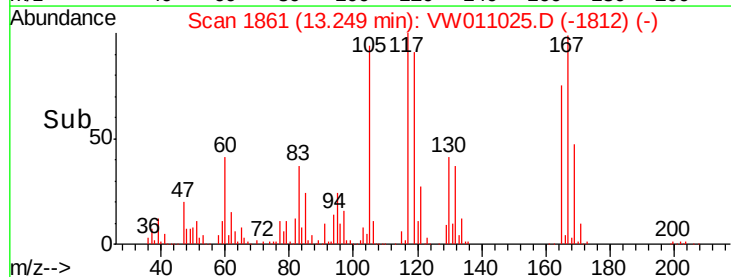
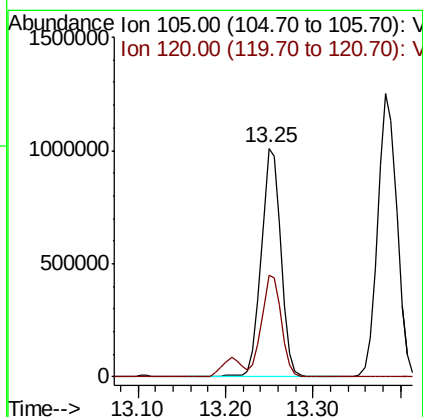
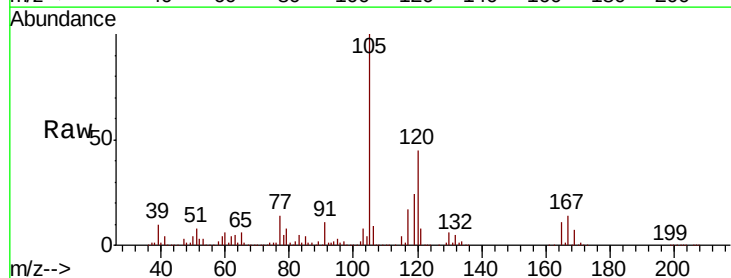
Instrument :  
 MSVOA\_W  
 ClientSampled :  
 VSTDIC150

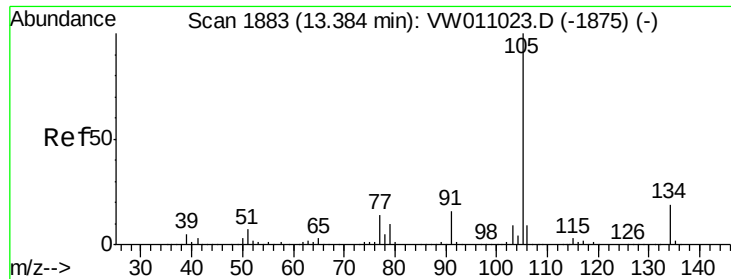
Tot Ion:119 Resp: 1316014  
 Ion Ratio Lower Upper  
 119 100  
 91 70.8 35.5 106.5  
 134 26.9 12.4 37.2



#84  
 1,2,4-Trimethylbenzene  
 Concen: 154.256 ug/l  
 RT: 13.25 min Scan# 1861  
 Delta R.T. -0.00 min  
 Lab File: VW011025.D  
 Acq: 27 Jun 2019 17:16

Tgt Ion:105 Resp: 1585568  
 Ion Ratio Lower Upper  
 105 100  
 120 44.5 22.4 67.2

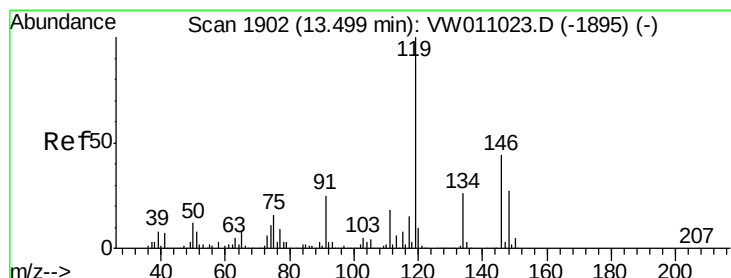
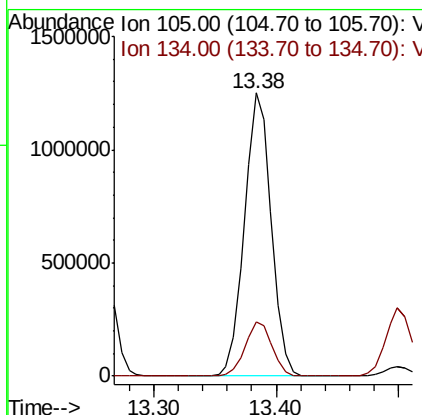
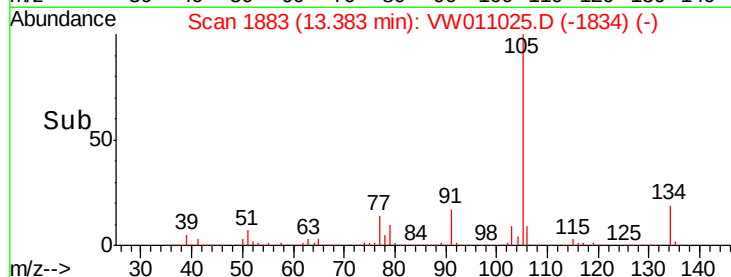
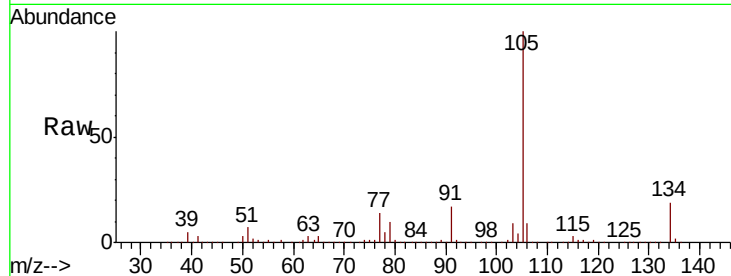




#85  
 sec-Butylbenzene  
 Concen: 151.075 ug/l  
 RT: 13.38 min Scan# 1883  
 Delta R.T. -0.00 min  
 Lab File: VW011025.D  
 Acq: 27 Jun 2019 17:16

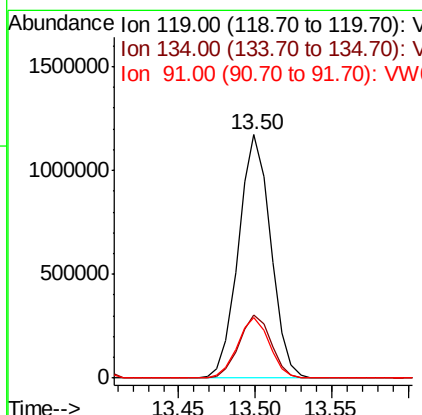
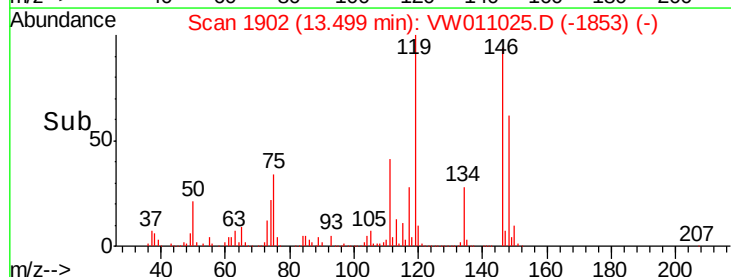
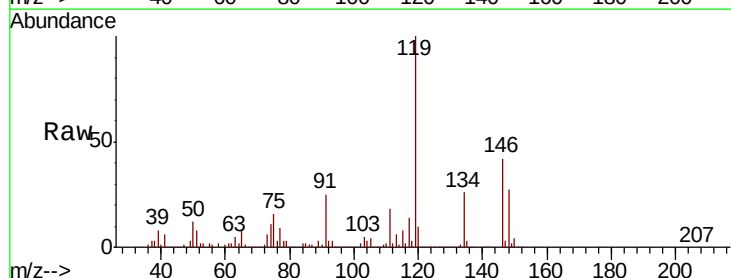
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDIC150

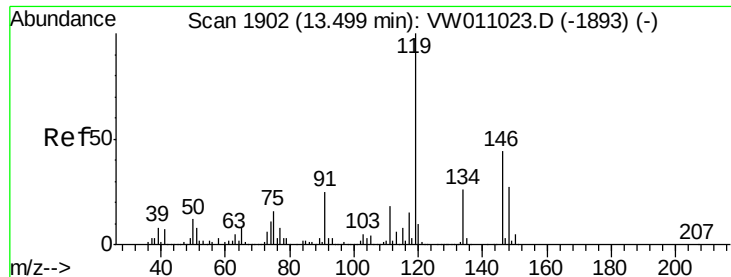
Tot Ion:105 Resp: 1897263  
 Ion Ratio Lower Upper  
 105 100  
 134 19.4 9.6 28.8



#86  
 p-Isopropyltoluene  
 Concen: 152.378 ug/l  
 RT: 13.50 min Scan# 1902  
 Delta R.T. -0.00 min  
 Lab File: VW011025.D  
 Acq: 27 Jun 2019 17:16

Tgt Ion:119 Resp: 1713022  
 Ion Ratio Lower Upper  
 119 100  
 134 25.9 12.9 38.7  
 91 24.8 12.3 36.9

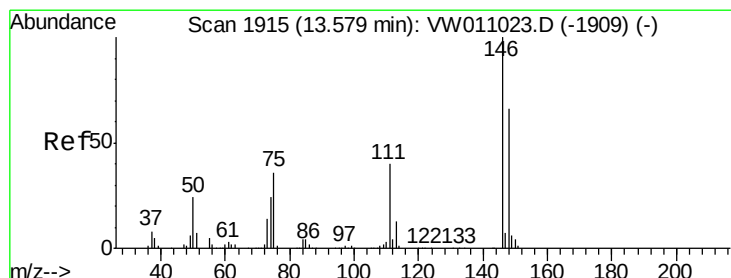
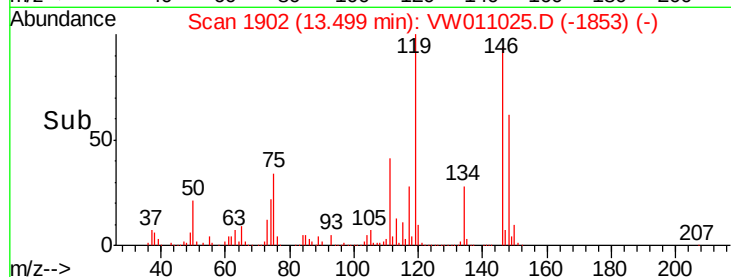
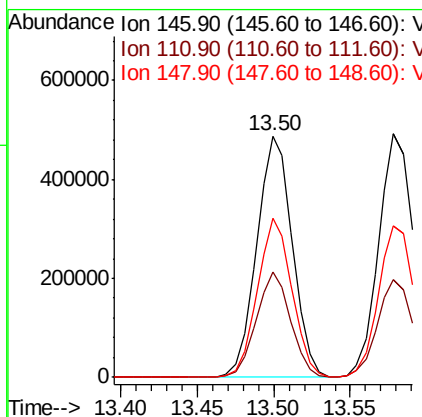
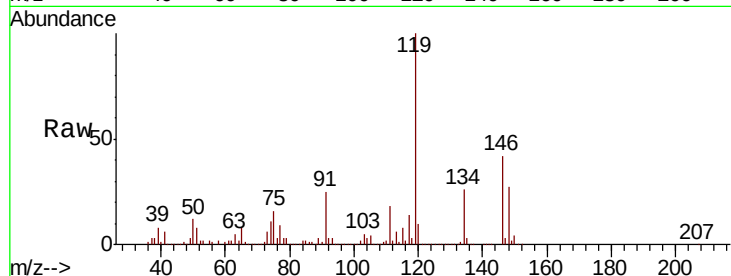




#87  
 1,3-Dichlorobenzene  
 Concen: 150.782 ug/l  
 RT: 13.50 min Scan# 1902  
 Delta R.T. -0.00 min  
 Lab File: VW011025.D  
 Acq: 27 Jun 2019 17:16

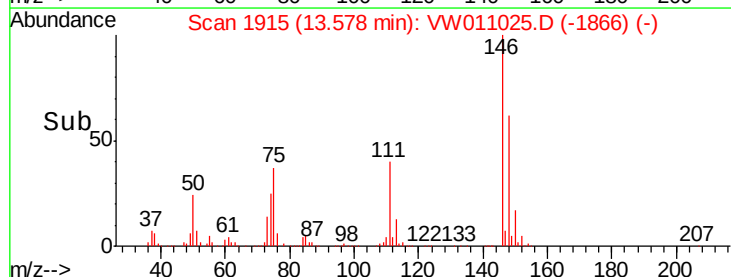
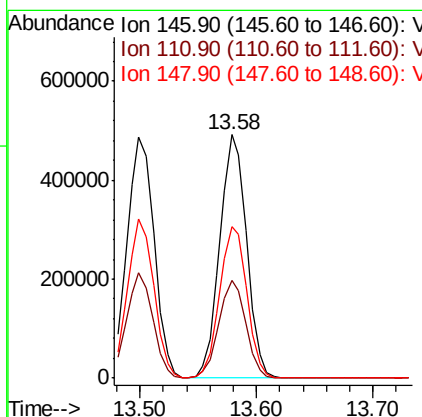
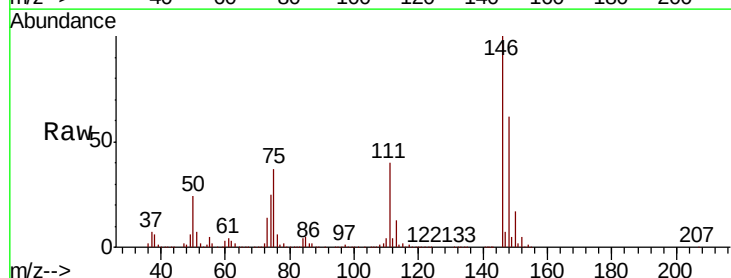
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDIC150

Tot Ion:146 Resp: 788602  
 Ion Ratio Lower Upper  
 146 100  
 111 42.1 20.9 62.8  
 148 64.1 31.8 95.4

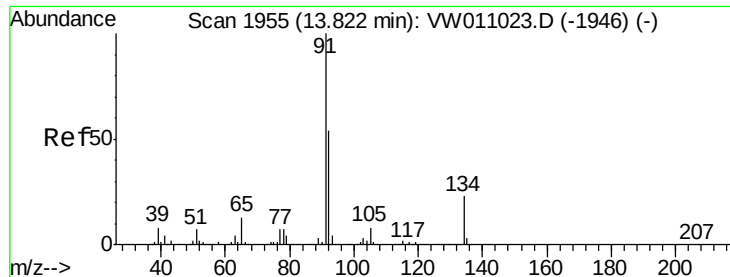


#88  
 1,4-Dichlorobenzene  
 Concen: 150.047 ug/l  
 RT: 13.58 min Scan# 1915  
 Delta R.T. -0.00 min  
 Lab File: VW011025.D  
 Acq: 27 Jun 2019 17:16

Tgt Ion:146 Resp: 780139  
 Ion Ratio Lower Upper  
 146 100  
 111 40.3 20.6 61.9  
 148 63.4 32.4 97.2







#89

n-Butylbenzene

Concen: 154.264 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW011025.D

Acq: 27 Jun 2019 17:16

Instrument :

MSVOA\_W

ClientSampleId :

VSTDIC150

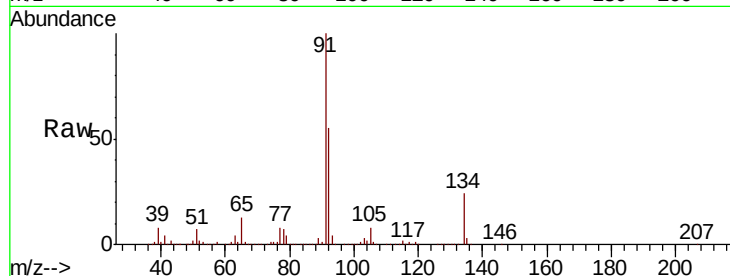
Tot Ion: 91 Resp: 1735138

Ion Ratio Lower Upper

91 100

92 55.0 27.1 81.2

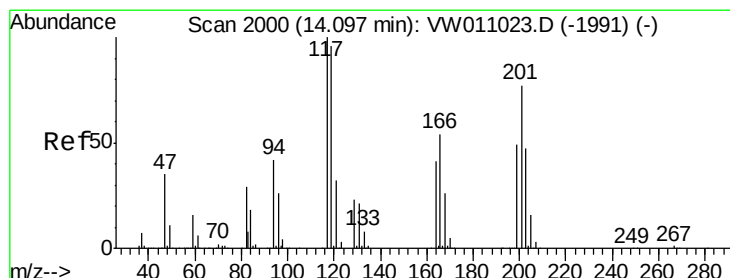
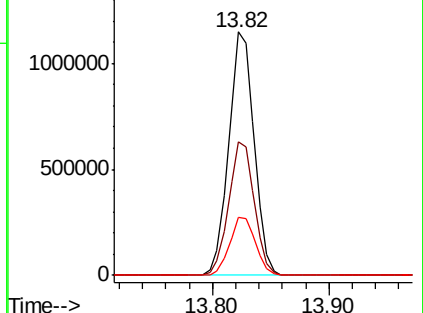
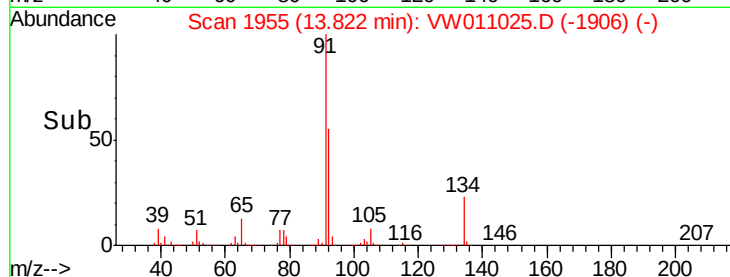
134 24.2 12.0 36.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 158.440 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. -0.00 min

Lab File: VW011025.D

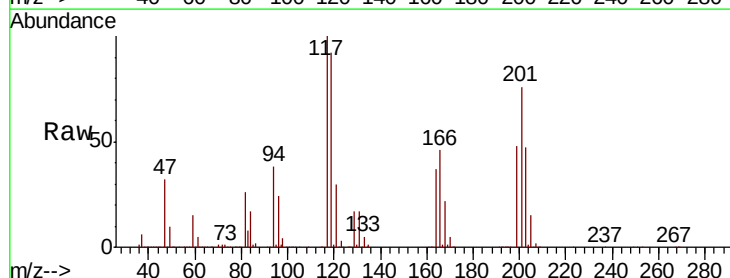
Acq: 27 Jun 2019 17:16

Tgt Ion: 117 Resp: 316030

Ion Ratio Lower Upper

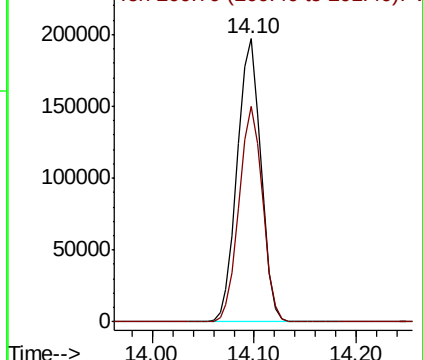
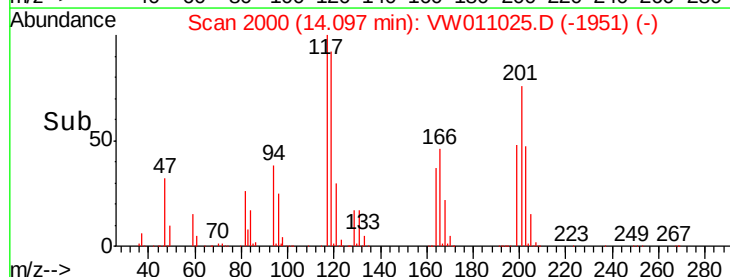
117 100

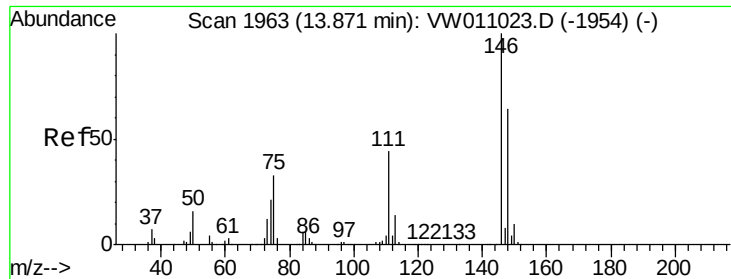
201 75.9 38.0 114.0



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

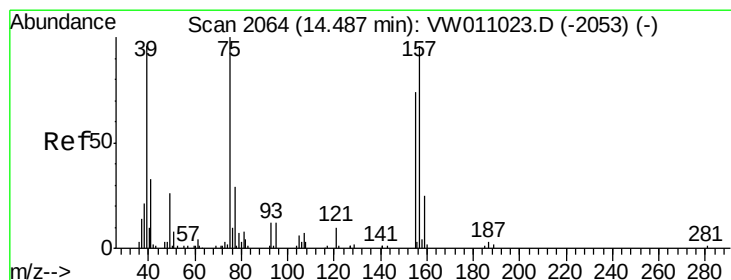
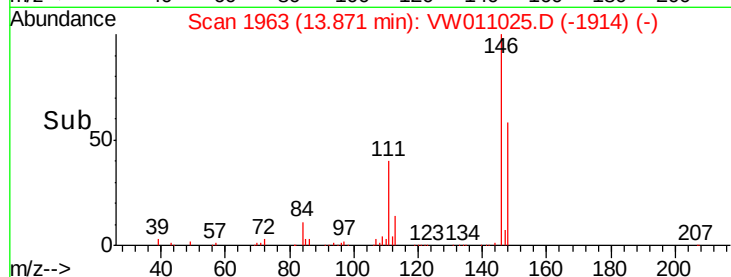
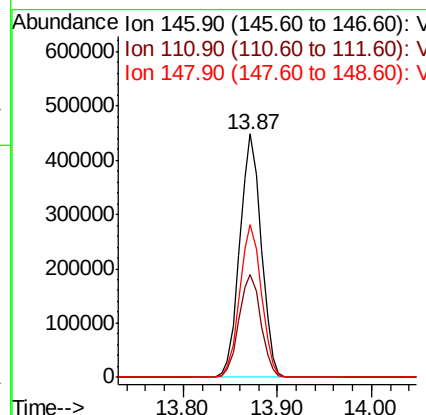
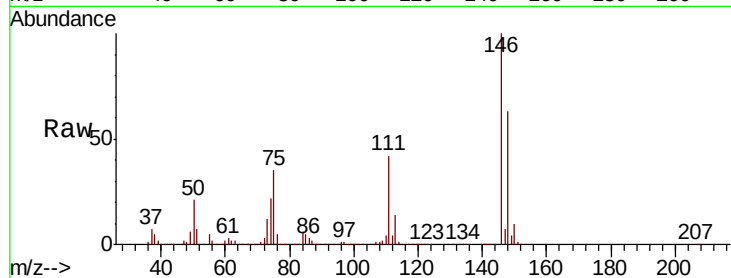




#91  
 1,2-Dichlorobenzene  
 Concen: 149.818 ug/l  
 RT: 13.87 min Scan# 1963  
 Delta R.T. -0.00 min  
 Lab File: VW011025.D  
 Acq: 27 Jun 2019 17:16

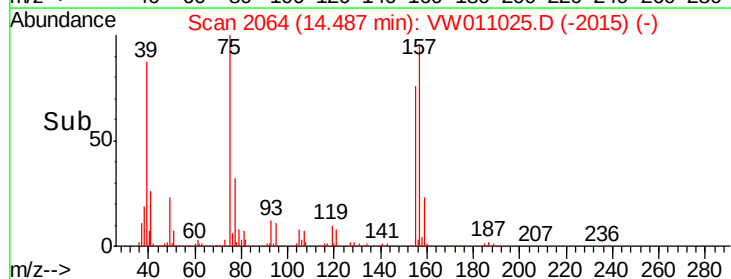
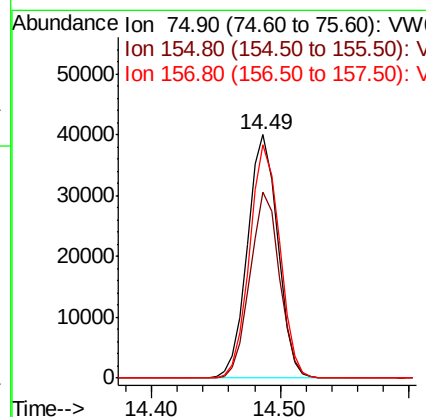
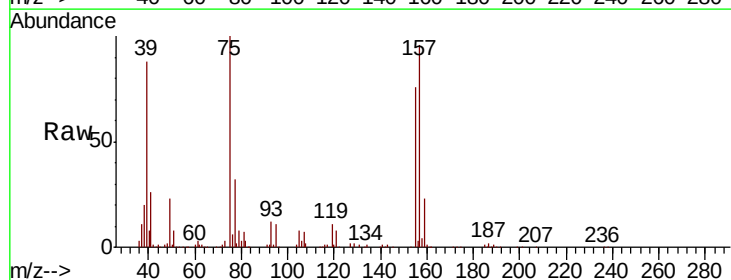
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDIC150

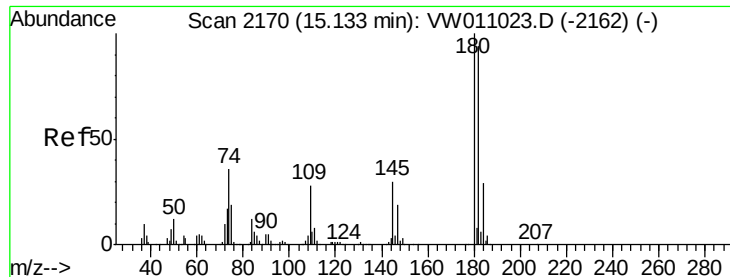
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 43.2  | 21.4  | 64.3  |
| 148     | 63.7  | 31.8  | 95.3  |



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 157.830 ug/l  
 RT: 14.49 min Scan# 2064  
 Delta R.T. -0.00 min  
 Lab File: VW011025.D  
 Acq: 27 Jun 2019 17:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 74.5  | 37.0  | 110.9 |
| 157     | 94.8  | 45.9  | 137.7 |

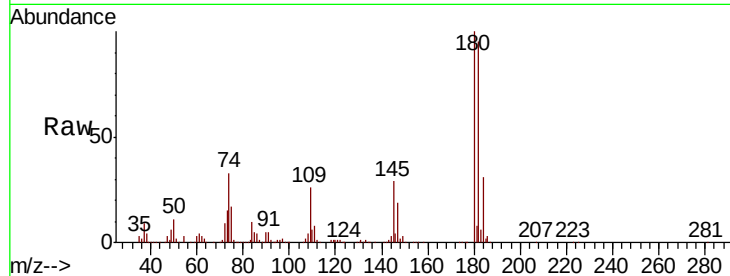




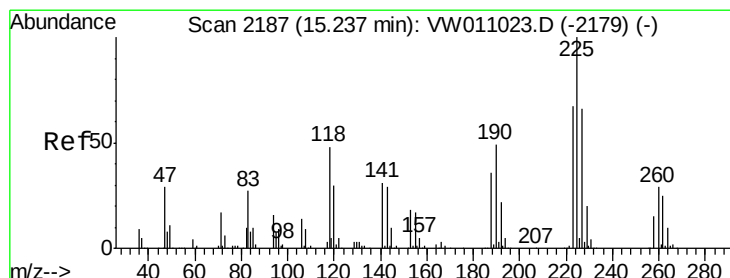
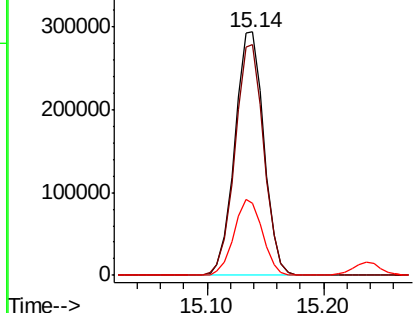
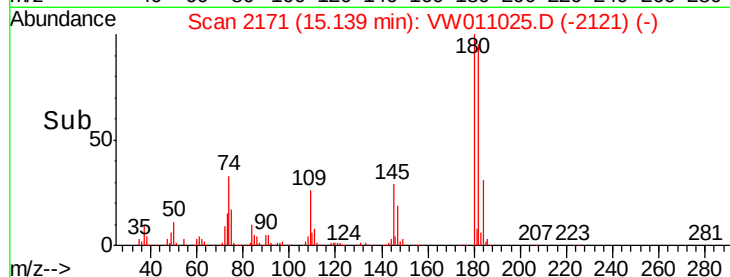
#93  
 1,2,4-Trichlorobenzene  
 Concen: 153.709 ug/l  
 RT: 15.14 min Scan# 2171  
 Delta R.T. 0.01 min  
 Lab File: VW011025.D  
 Acq: 27 Jun 2019 17:16

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDIC150

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 94.3  | 47.4  | 142.2 |
| 145     | 30.7  | 15.3  | 45.8  |

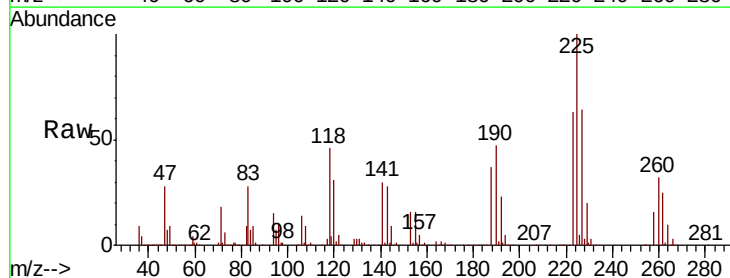


Abundance Ion 179.80 (179.50 to 180.50): V  
 Ion 181.80 (181.50 to 182.50): V  
 Ion 144.80 (144.50 to 145.50): V

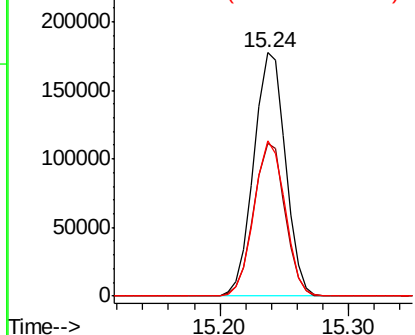
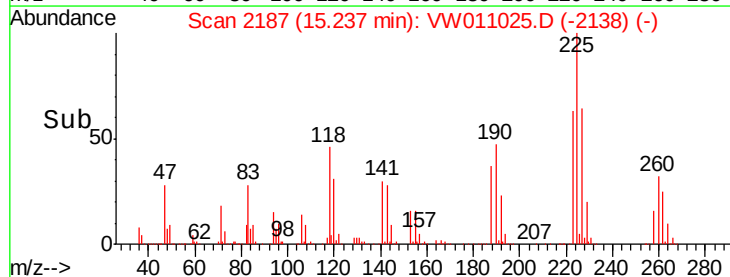


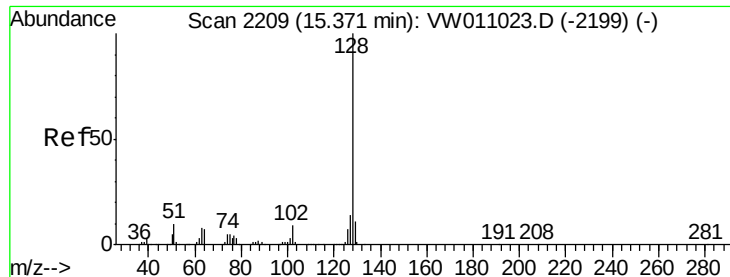
#94  
 Hexachlorobutadiene  
 Concen: 145.770 ug/l  
 RT: 15.24 min Scan# 2187  
 Delta R.T. -0.00 min  
 Lab File: VW011025.D  
 Acq: 27 Jun 2019 17:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 62.3  | 31.9  | 95.9  |
| 227     | 62.7  | 31.9  | 95.9  |



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

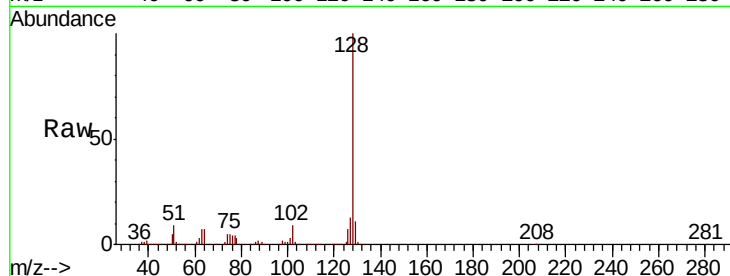




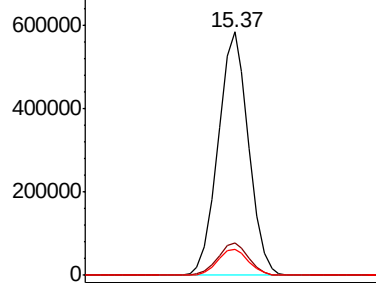
#95  
Naphthalene  
Concen: 165.979 ug/l  
RT: 15.37 min Scan# 2209  
Delta R.T. -0.00 min  
Lab File: VW011025.D  
Acq: 27 Jun 2019 17:16

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC150

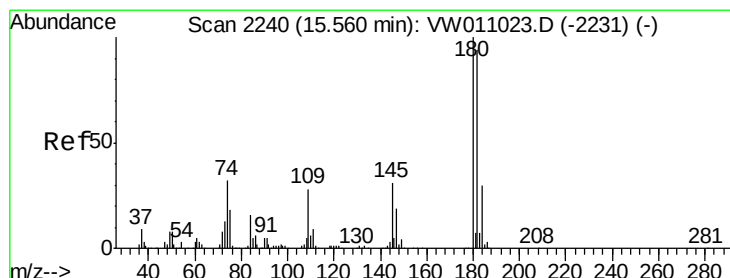
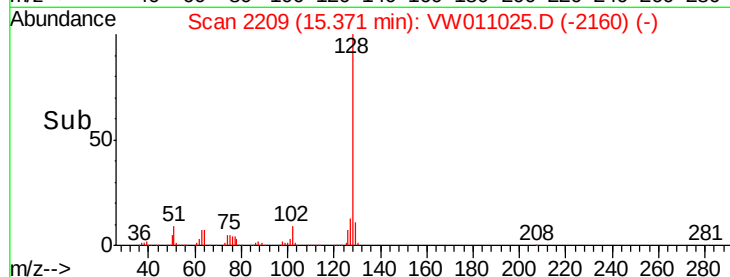
Tot Ion:128 Resp: 1010817  
Ion Ratio Lower Upper  
128 100  
127 13.5 10.7 16.1  
129 10.9 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V  
Ion 127.00 (126.70 to 127.70): V  
Ion 129.00 (128.70 to 129.70): V

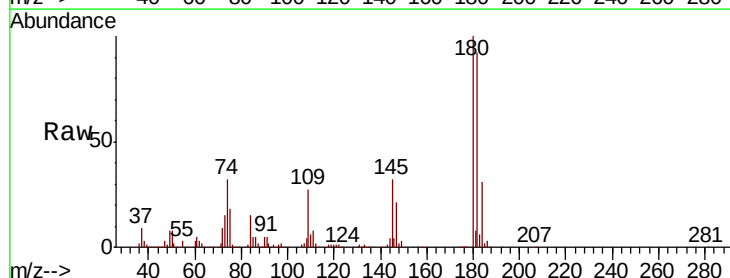


Time-->

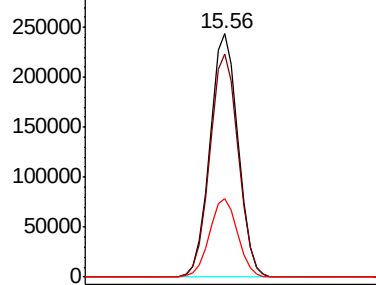


#96  
1,2,3-Trichlorobenzene  
Concen: 159.169 ug/l  
RT: 15.56 min Scan# 2240  
Delta R.T. -0.00 min  
Lab File: VW011025.D  
Acq: 27 Jun 2019 17:16

Tgt Ion:180 Resp: 451308  
Ion Ratio Lower Upper  
180 100  
182 92.7 47.9 143.7  
145 32.1 16.1 48.2



Abundance Ion 179.80 (179.50 to 180.50): V  
Ion 181.80 (181.50 to 182.50): V  
Ion 144.90 (144.60 to 145.60): V



Time-->

