

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW022323\  
 Data File : VW030088.D  
 Acq On : 23 Feb 2023 11:51  
 Operator : SY/MD  
 Sample : VSTD02026  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD020226

Quant Time: Feb 23 21:19:13 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR022323WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Thu Feb 23 21:16:51 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| -----                         |        |      |          |         |        |          |
| Internal Standards            |        |      |          |         |        |          |
| 1) 1,4-Difluorobenzene        | 5.542  | 114  | 185577   | 5.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.793  | 117  | 171592   | 5.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.194 | 152  | 101963   | 5.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |        |      |          |         |        |          |
| 4) Vinyl Chloride-d3          | 1.282  | 65   | 269370   | 22.433  | ug/L   | 0.00     |
| 7) Chloroethane-d5            | 1.536  | 69   | 253162   | 22.460  | ug/L   | 0.00     |
| 11) 1,1-Dichloroethene-d2     | 2.066  | 63   | 542073   | 21.958  | ug/L   | 0.00     |
| 20) 2-Butanone-d5             | 3.806  | 46   | 504893   | 231.826 | ug/L   | -0.03    |
| 24) Chloroform-d              | 4.256  | 84   | 542857   | 22.131  | ug/L   | 0.00     |
| 26) 1,2-Dichloroethane-d4     | 4.950  | 65   | 225438   | 22.514  | ug/L   | 0.00     |
| 32) Benzene-d6                | 4.966  | 84   | 1071353  | 23.204  | ug/L   | 0.00     |
| 36) 1,2-Dichloropropane-d6    | 5.995  | 67   | 318800   | 22.951  | ug/L   | 0.00     |
| 41) Toluene-d8                | 7.249  | 98   | 1034248  | 23.631  | ug/L   | 0.00     |
| 43) trans-1,3-Dichloroprop... | 7.558  | 79   | 117038   | 24.628  | ug/L   | 0.00     |
| 46) 2-Hexanone-d5             | 8.031  | 63   | 499112   | 255.868 | ug/L   | 0.00     |
| 56) 1,1,2,2-Tetrachloroeth... | 10.162 | 84   | 216658   | 21.925  | ug/L   | 0.00     |
| 66) 1,2-Dichlorobenzene-d4    | 11.571 | 152  | 389417   | 22.573  | ug/L   | 0.00     |
| Target Compounds              |        |      |          |         |        |          |
|                               |        |      |          |         |        | Qvalue   |
| 2) Dichlorodifluoromethane    | 1.108  | 85   | 322161   | 21.337  | ug/L   | 99       |
| 3) Chloromethane              | 1.217  | 50   | 448717   | 18.859  | ug/L   | 99       |
| 5) Vinyl chloride             | 1.285  | 62   | 337127   | 21.320  | ug/L   | 99       |
| 6) Bromomethane               | 1.491  | 94   | 54695    | 19.270  | ug/L   | 98       |
| 8) Chloroethane               | 1.555  | 64   | 201808   | 20.947  | ug/L   | 100      |
| 9) Trichlorofluoromethane     | 1.716  | 101  | 488746   | 21.543  | ug/L   | 100      |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.073  | 101  | 300140   | 21.332  | ug/L   | 100      |
| 12) 1,1-Dichloroethene        | 2.073  | 96   | 262164   | 21.050  | ug/L   | 90       |
| 13) Acetone                   | 2.140  | 43   | 320612   | 197.329 | ug/L # | 48       |
| 14) Carbon disulfide          | 2.246  | 76   | 703958   | 21.125  | ug/L   | 99       |
| 15) Methyl Acetate            | 2.384  | 43   | 74289    | 19.376  | ug/L   | 95       |
| 16) Methylene chloride        | 2.452  | 84   | 265440   | 17.446  | ug/L   | 98       |
| 17) Methyl tert-butyl Ether   | 2.709  | 73   | 528668   | 21.707  | ug/L   | 99       |
| 18) trans-1,2-Dichloroethene  | 2.700  | 96   | 257221   | 21.711  | ug/L   | 99       |
| 19) 1,1-Dichloroethane        | 3.118  | 63   | 462674   | 20.964  | ug/L   | 98       |
| 21) 2-Butanone                | 3.886  | 43   | 473246   | 215.051 | ug/L   | 100      |
| 22) cis-1,2-Dichloroethene    | 3.822  | 96   | 284329   | 21.713  | ug/L   | 99       |
| 23) Bromochloromethane        | 4.156  | 128  | 121943   | 21.792  | ug/L   | 98       |
| 25) Chloroform                | 4.285  | 83   | 480472   | 20.928  | ug/L   | 98       |
| 27) 1,2-Dichloroethane        | 5.047  | 62   | 251939   | 20.980  | ug/L   | 99       |
| 29) 1,1,1-Trichloroethane     | 4.523  | 97   | 440742   | 21.865  | ug/L   | 100      |
| 30) Cyclohexane               | 4.593  | 56   | 402800   | 23.127  | ug/L   | 100      |
| 31) Carbon tetrachloride      | 4.744  | 117  | 397270   | 21.927  | ug/L   | 99       |
| 33) Benzene                   | 5.018  | 78   | 1015250  | 21.664  | ug/L   | 100      |
| 34) Trichloroethene           | 5.838  | 95   | 286768   | 21.838  | ug/L   | 99       |
| 35) Methylcyclohexane         | 6.060  | 83   | 469976   | 23.648  | ug/L   | 98       |
| 37) 1,2-Dichloropropane       | 6.098  | 63   | 254870   | 21.377  | ug/L   | 100      |
| 38) Bromodichloromethane      | 6.439  | 83   | 331961   | 21.811  | ug/L   | 99       |
| 39) cis-1,3-Dichloropropene   | 6.960  | 75   | 408045   | 23.380  | ug/L   | 99       |
| 40) 4-Methyl-2-pentanone      | 7.166  | 43   | 1109878  | 225.600 | ug/L   | 98       |
| 42) Toluene                   | 7.323  | 91   | 1138908  | 22.438  | ug/L   | 98       |
| 44) trans-1,3-Dichloropropene | 7.587  | 75   | 320365   | 23.514  | ug/L   | 100      |

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 Sample : VSTD02026  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 6 Sample Multiplier: 1

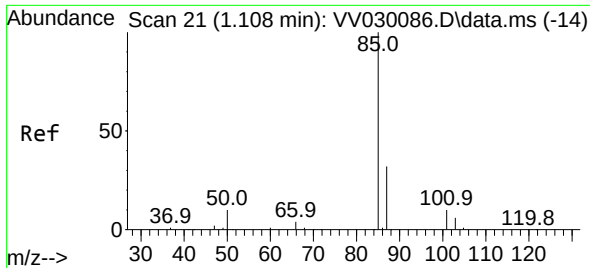
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD020226

Quant Time: Feb 23 21:19:13 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR022323WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Thu Feb 23 21:16:51 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 45) 1,1,2-Trichloroethane     | 7.777  | 97   | 180227   | 21.127  | ug/L  | 98       |
| 47) Tetrachloroethene         | 7.912  | 164  | 247413   | 21.950  | ug/L  | 98       |
| 48) 2-Hexanone                | 8.082  | 43   | 794819   | 229.367 | ug/L  | 98       |
| 49) Dibromochloromethane      | 8.185  | 129  | 223098   | 22.349  | ug/L  | 99       |
| 50) 1,2-Dibromoethane         | 8.288  | 107  | 171937   | 21.602  | ug/L  | 96       |
| 51) Chlorobenzene             | 8.821  | 112  | 728261   | 21.275  | ug/L  | 99       |
| 52) Ethylbenzene              | 8.953  | 91   | 1258068  | 22.775  | ug/L  | 100      |
| 53) m,p-Xylene                | 9.079  | 106  | 489357   | 23.050  | ug/L  | 99       |
| 54) o-Xylene                  | 9.487  | 106  | 467943   | 23.076  | ug/L  | 99       |
| 55) Styrene                   | 9.503  | 104  | 801738   | 23.774  | ug/L  | 98       |
| 57) 1,1,2,2-Tetrachloroethane | 10.185 | 83   | 201559   | 21.122  | ug/L  | 100      |
| 59) Bromoform                 | 9.674  | 173  | 128338   | 21.000  | ug/L  | 99       |
| 60) Isopropylbenzene          | 9.876  | 105  | 1317881  | 22.463  | ug/L  | 100      |
| 61) 1,2,3-Trichloropropane    | 10.217 | 75   | 133737   | 19.597  | ug/L  | 98       |
| 62) 1,3,5-Trimethylbenzene    | 10.484 | 105  | 1128526  | 23.417  | ug/L  | 100      |
| 63) 1,2,4-Trimethylbenzene    | 10.860 | 105  | 1160138  | 23.533  | ug/L  | 99       |
| 64) 1,3-Dichlorobenzene       | 11.127 | 146  | 647290   | 21.190  | ug/L  | 100      |
| 65) 1,4-Dichlorobenzene       | 11.217 | 146  | 643135   | 20.867  | ug/L  | 99       |
| 67) 1,2-Dichlorobenzene       | 11.587 | 146  | 575839   | 21.348  | ug/L  | 100      |
| 68) 1,2-Dibromo-3-chloropr... | 12.374 | 75   | 31363    | 20.578  | ug/L  | 96       |
| 69) 1,3,5-Trichlorobenzene    | 12.593 | 180  | 551775   | 21.972  | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.207 | 180  | 453545   | 22.294  | ug/L  | 99       |
| 71) Naphthalene               | 13.448 | 128  | 627042   | 23.586  | ug/L  | 100      |
| 72) 1,2,3-Trichlorobenzene    | 13.689 | 180  | 373473   | 22.301  | ug/L  | 100      |

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

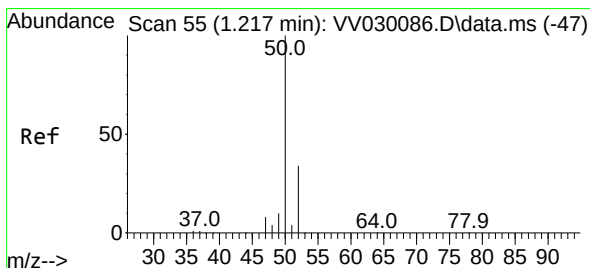
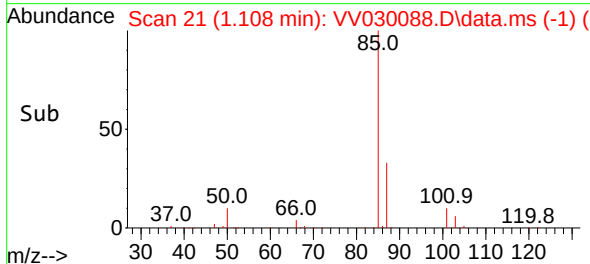
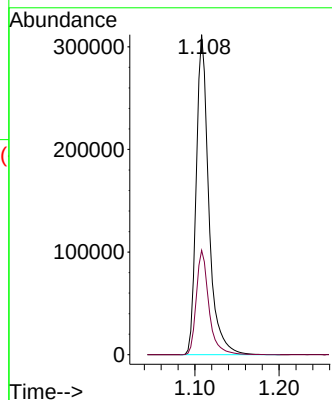
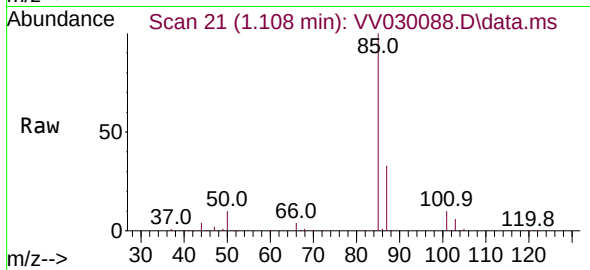




#2  
 Dichlorodifluoromethane  
 Concen: 21.337 ug/L  
 RT: 1.108 min Scan# 21  
 Delta R.T. 0.000 min  
 Lab File: VV030088.D  
 Acq: 23 Feb 2023 11:51

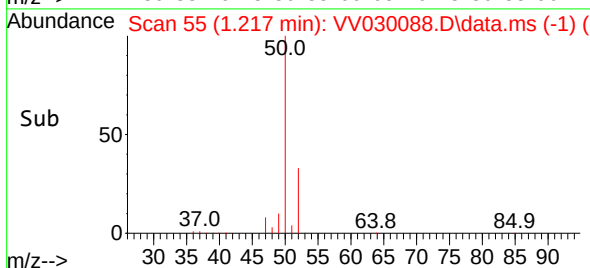
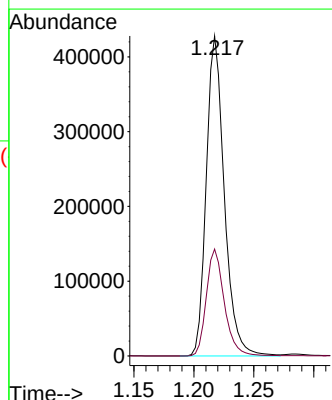
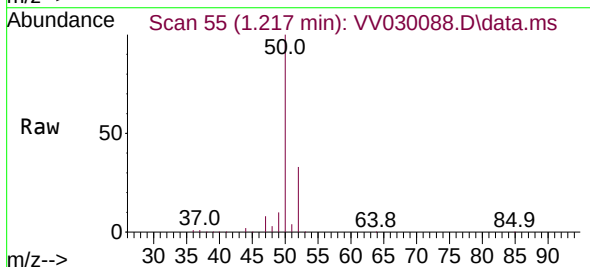
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD020226

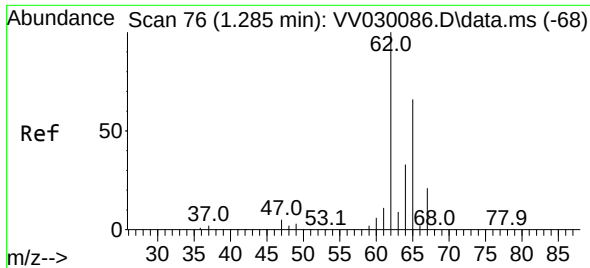
Tgt Ion: 85 Resp: 322161  
 Ion Ratio Lower Upper  
 85 100  
 87 32.7 26.6 39.8



#3  
 Chloromethane  
 Concen: 18.859 ug/L  
 RT: 1.217 min Scan# 55  
 Delta R.T. 0.000 min  
 Lab File: VV030088.D  
 Acq: 23 Feb 2023 11:51

Tgt Ion: 50 Resp: 448717  
 Ion Ratio Lower Upper  
 50 100  
 52 33.4 23.6 43.8

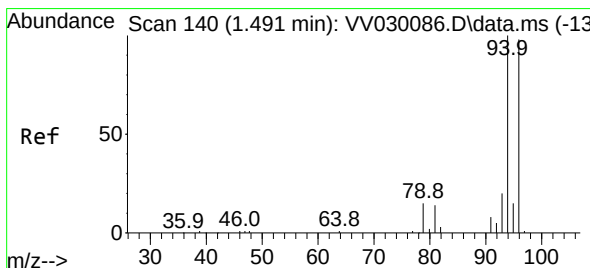
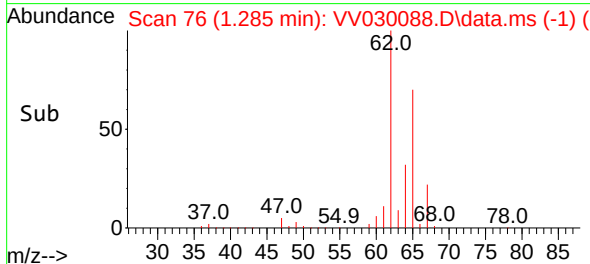
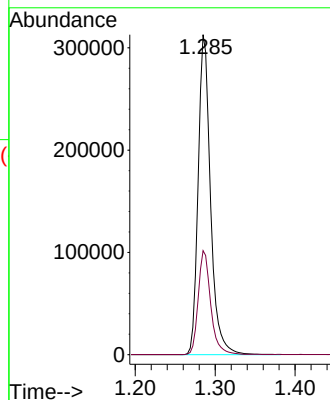
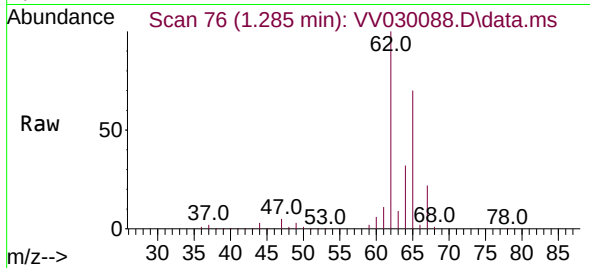




#5  
 Vinyl chloride  
 Concen: 21.320 ug/L  
 RT: 1.285 min Scan# 76  
 Delta R.T. 0.000 min  
 Lab File: VV030088.D  
 Acq: 23 Feb 2023 11:51

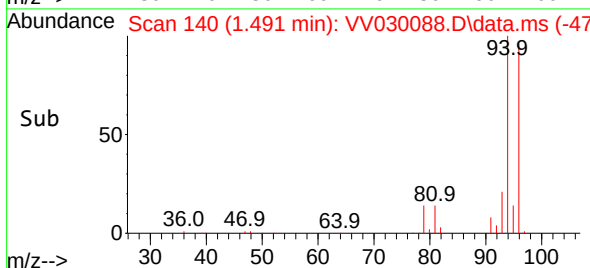
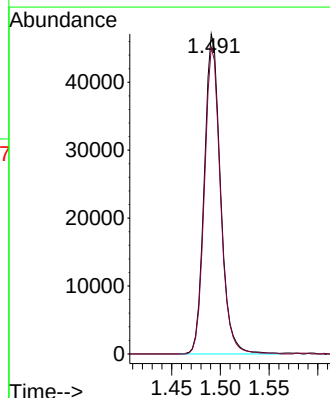
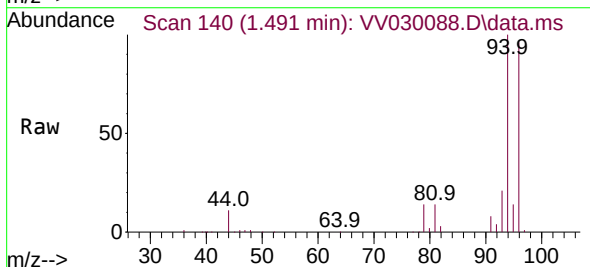
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 ClientSampleId :  
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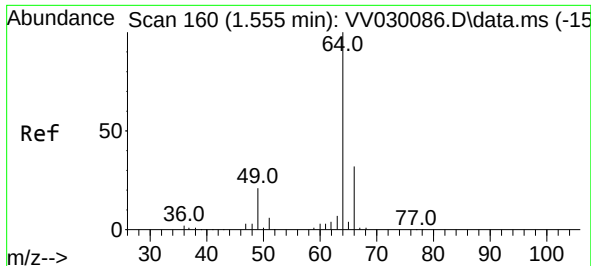
Tgt Ion: 62 Resp: 337127  
 Ion Ratio Lower Upper  
 62 100  
 64 32.5 23.1 42.9



#6  
 Bromomethane  
 Concen: 19.270 ug/L  
 RT: 1.491 min Scan# 140  
 Delta R.T. 0.000 min  
 Lab File: VV030088.D  
 Acq: 23 Feb 2023 11:51

Tgt Ion: 94 Resp: 54695  
 Ion Ratio Lower Upper  
 94 100  
 96 95.8 68.4 127.0

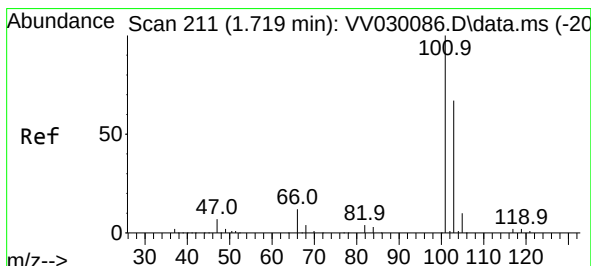
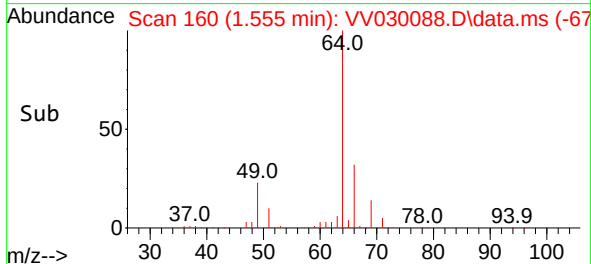
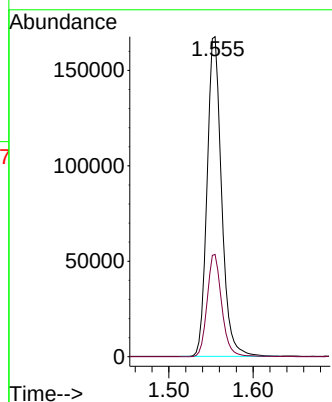
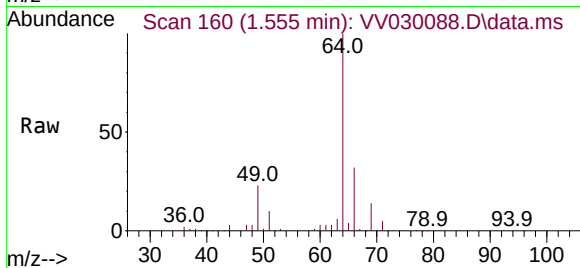




#8  
Chloroethane  
Concen: 20.947 ug/L  
RT: 1.555 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VV030088.D  
Acq: 23 Feb 2023 11:51

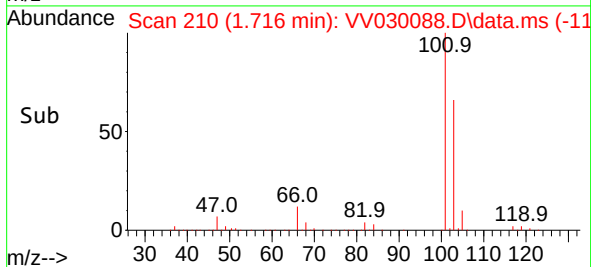
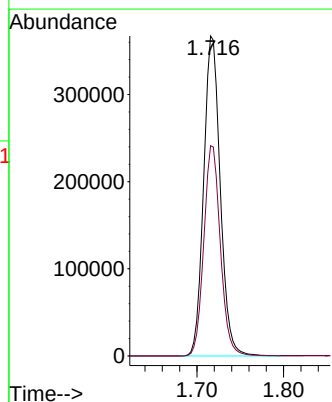
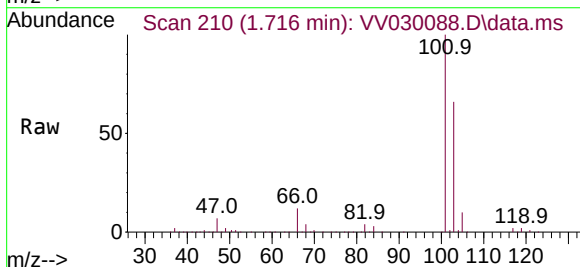
Instrument :  
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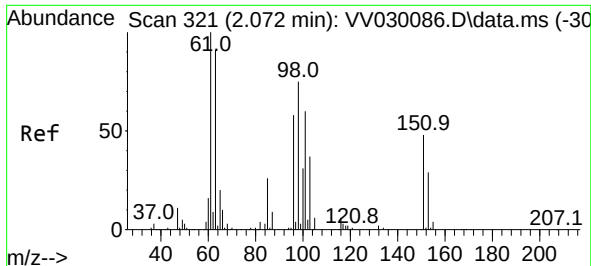
Tgt Ion: 64 Resp: 201808  
Ion Ratio Lower Upper  
64 100  
66 32.0 22.4 41.6



#9  
Trichlorofluoromethane  
Concen: 21.543 ug/L  
RT: 1.716 min Scan# 210  
Delta R.T. -0.003 min  
Lab File: VV030088.D  
Acq: 23 Feb 2023 11:51

Tgt Ion:101 Resp: 488746  
Ion Ratio Lower Upper  
101 100  
103 65.5 52.7 79.1

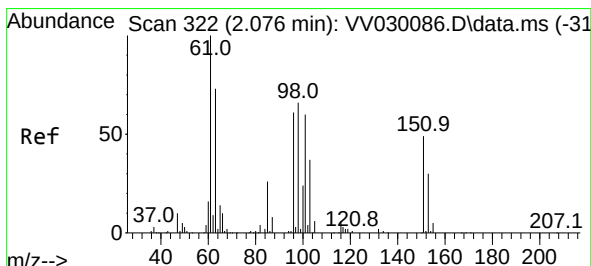
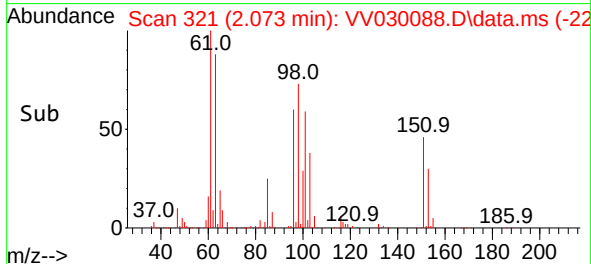
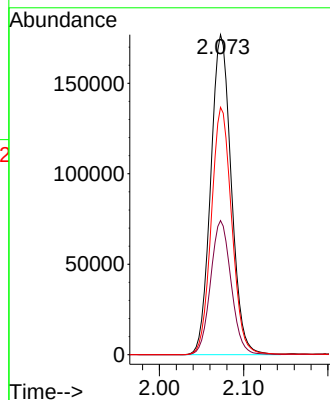
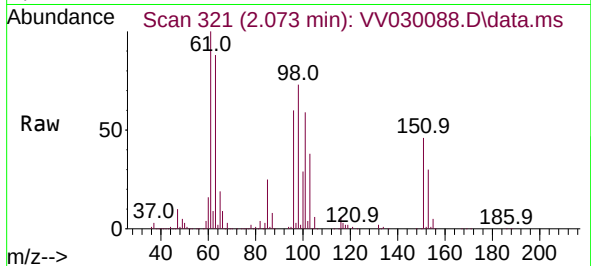




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 21.332 ug/L  
 RT: 2.073 min Scan# 321  
 Delta R.T. 0.000 min  
 Lab File: VV030088.D  
 Acq: 23 Feb 2023 11:51

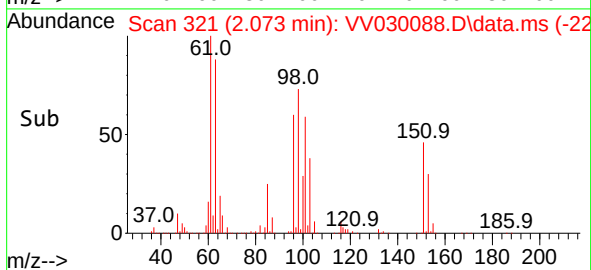
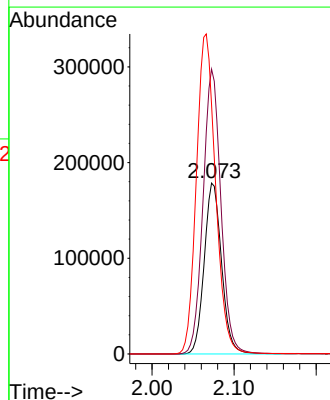
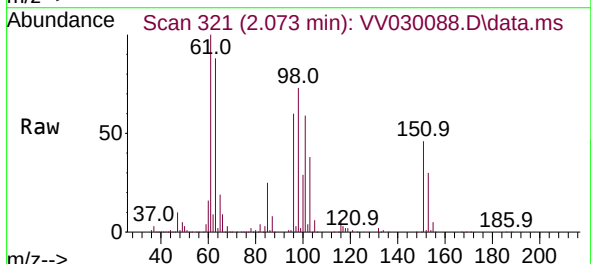
Instrument :  
 MSVOA\_V  
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 VSTD020226

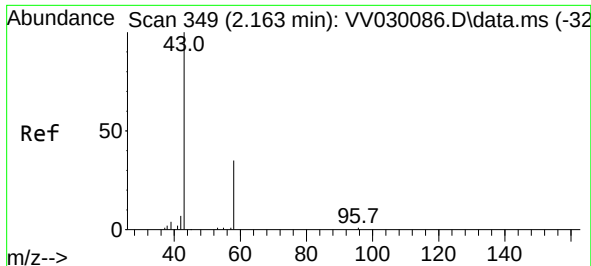
Tgt Ion:101 Resp: 300140  
 Ion Ratio Lower Upper  
 101 100  
 85 41.8 33.5 50.3  
 151 76.9 61.6 92.4



#12  
 1,1-Dichloroethene  
 Concen: 21.050 ug/L  
 RT: 2.073 min Scan# 321  
 Delta R.T. -0.003 min  
 Lab File: VV030088.D  
 Acq: 23 Feb 2023 11:51

Tgt Ion: 96 Resp: 262164  
 Ion Ratio Lower Upper  
 96 100  
 61 166.6 115.6 214.6  
 63 145.9 85.6 159.0





#13

Acetone

Concen: 197.329 ug/L

RT: 2.140 min Scan# 34

Delta R.T. -0.022 min

Lab File: VV030088.D

Acq: 23 Feb 2023 11:51

Instrument :

MSVOA\_V

ClientSampleId :

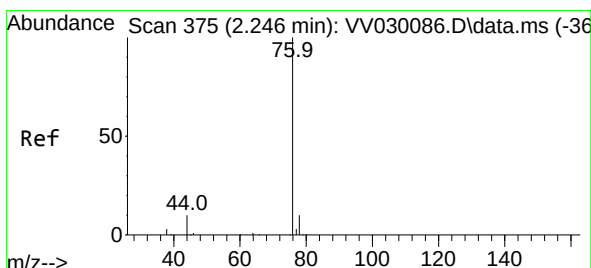
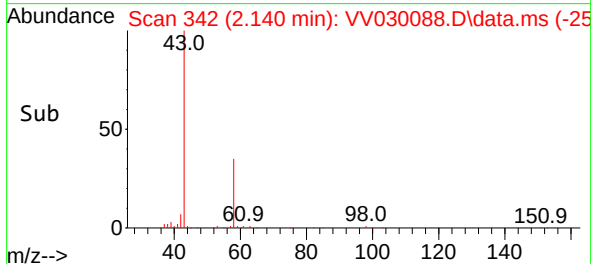
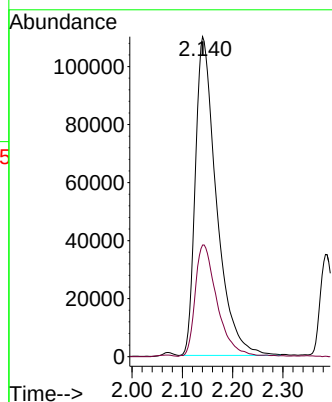
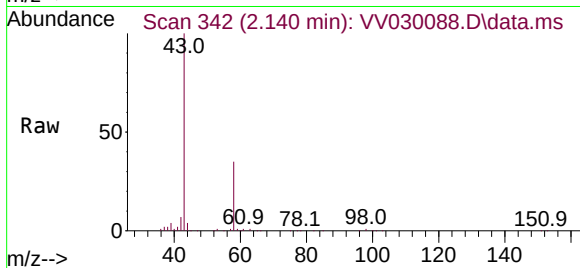
VSTD020226

Tgt Ion: 43 Resp: 320612

Ion Ratio Lower Upper

43 100

58 36.0 0.0 29.4#



#14

Carbon disulfide

Concen: 21.125 ug/L

RT: 2.246 min Scan# 375

Delta R.T. 0.000 min

Lab File: VV030088.D

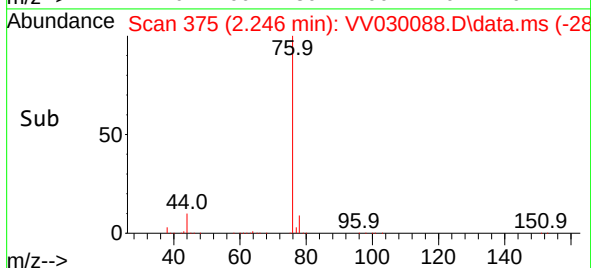
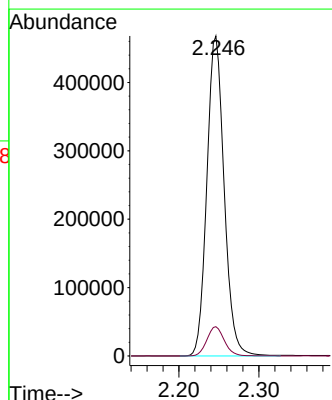
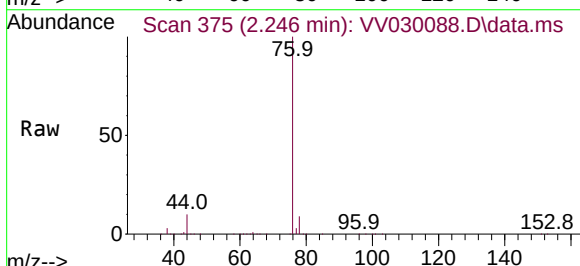
Acq: 23 Feb 2023 11:51

Tgt Ion: 76 Resp: 703958

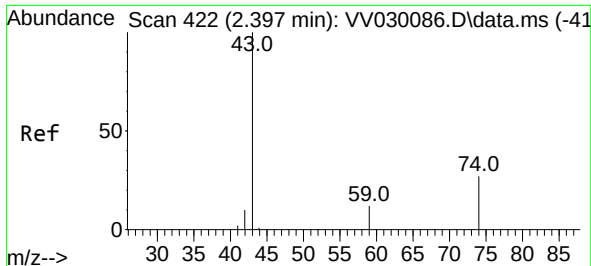
Ion Ratio Lower Upper

76 100

78 9.1 7.7 11.5



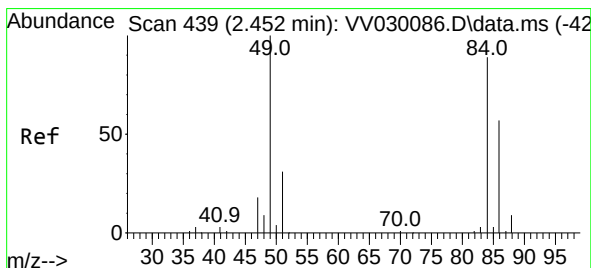
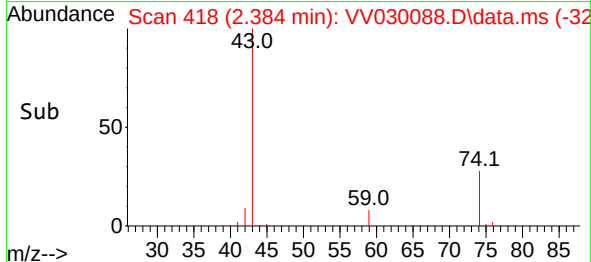
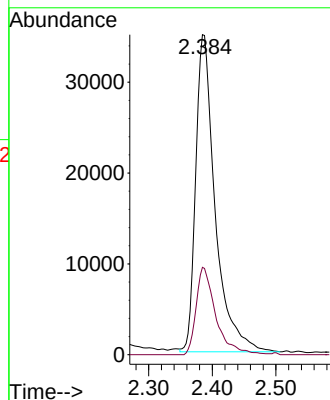
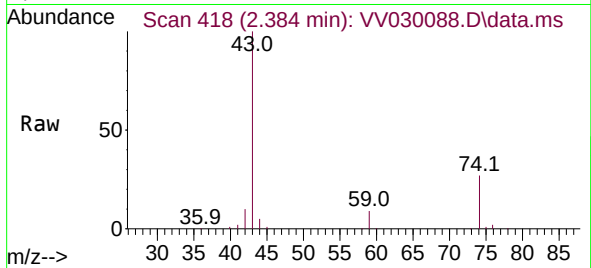




#15  
Methyl Acetate  
Concen: 19.376 ug/L  
RT: 2.384 min Scan# 41  
Delta R.T. -0.013 min  
Lab File: VV030088.D  
Acq: 23 Feb 2023 11:51

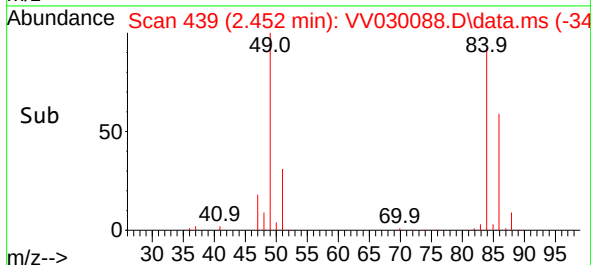
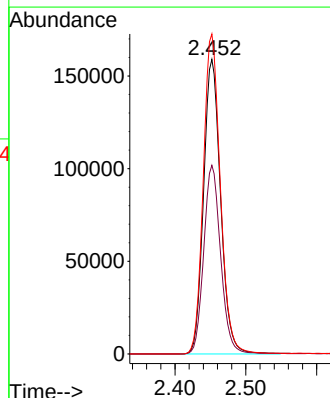
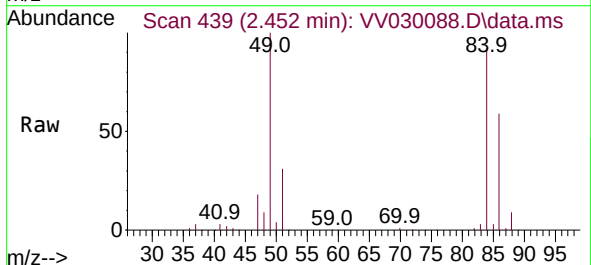
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD020226

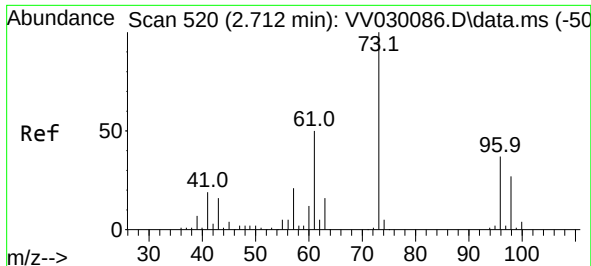
Tgt Ion: 43 Resp: 74289  
Ion Ratio Lower Upper  
43 100  
74 27.8 20.1 30.1



#16  
Methylene chloride  
Concen: 17.446 ug/L  
RT: 2.452 min Scan# 439  
Delta R.T. 0.000 min  
Lab File: VV030088.D  
Acq: 23 Feb 2023 11:51

Tgt Ion: 84 Resp: 265440  
Ion Ratio Lower Upper  
84 100  
86 64.1 44.7 83.1  
49 108.7 78.8 146.3





#17

Methyl tert-butyl Ether

Concen: 21.707 ug/L

RT: 2.709 min Scan# 519

Delta R.T. -0.003 min

Lab File: VV030088.D

Acq: 23 Feb 2023 11:51

Instrument :

MSVOA\_V

ClientSampleId :

VSTD020226

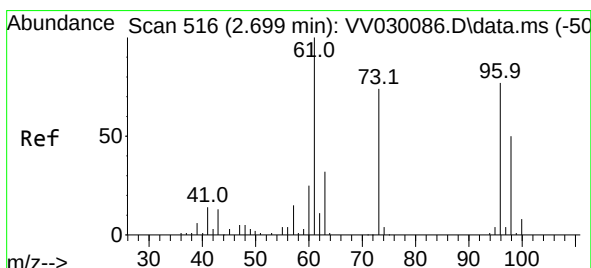
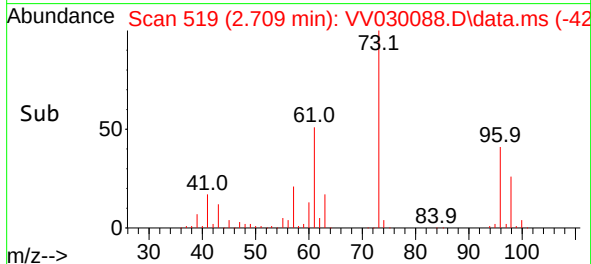
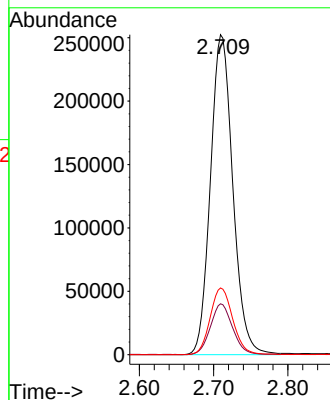
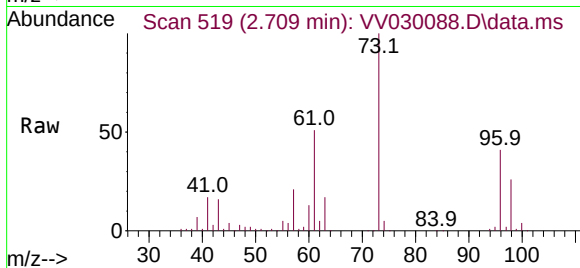
Tgt Ion: 73 Resp: 528668

Ion Ratio Lower Upper

73 100

43 15.6 13.4 20.2

57 21.1 16.8 25.2



#18

trans-1,2-Dichloroethene

Concen: 21.711 ug/L

RT: 2.700 min Scan# 516

Delta R.T. 0.000 min

Lab File: VV030088.D

Acq: 23 Feb 2023 11:51

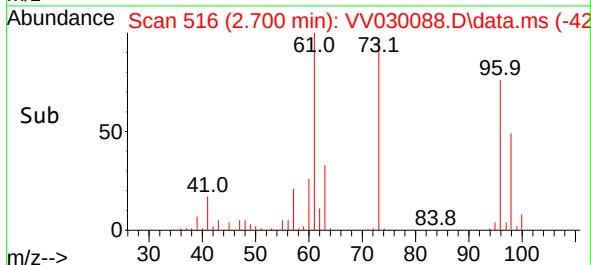
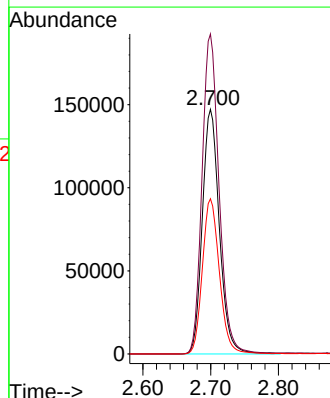
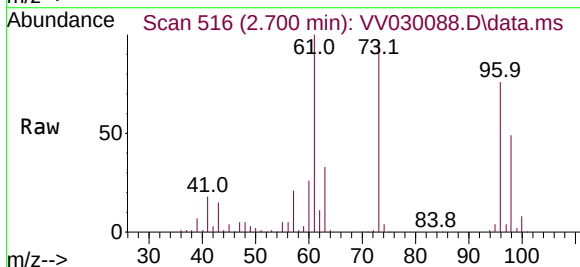
Tgt Ion: 96 Resp: 257221

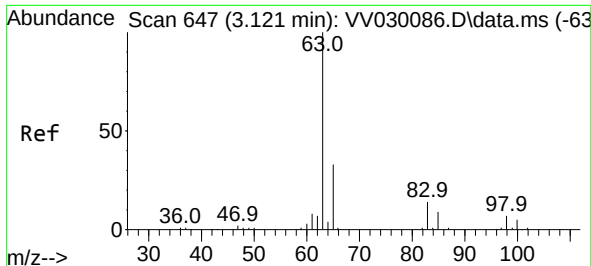
Ion Ratio Lower Upper

96 100

61 130.8 91.0 169.0

98 63.5 45.2 84.0





#19

1,1-Dichloroethane

Concen: 20.964 ug/L

RT: 3.118 min Scan# 64

Delta R.T. -0.003 min

Lab File: VV030088.D

Acq: 23 Feb 2023 11:51

Instrument :

MSVOA\_V

ClientSampleId :

VSTD020226

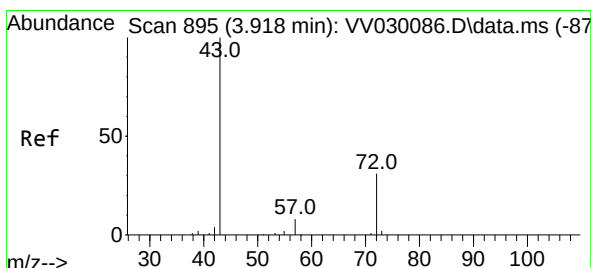
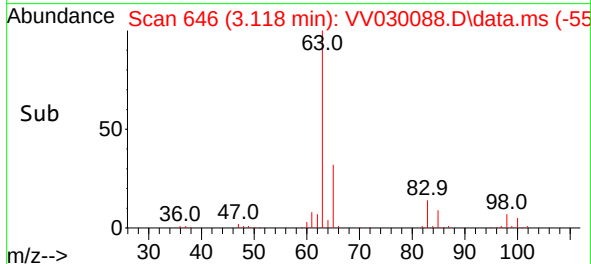
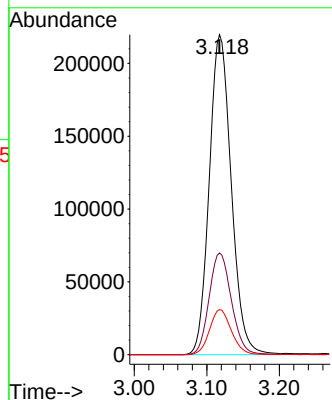
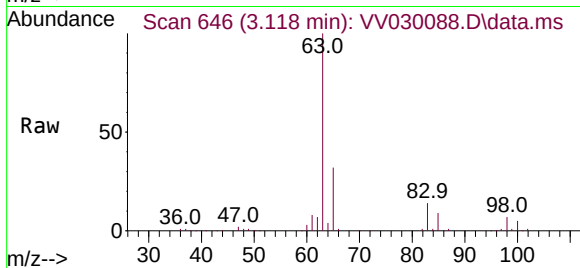
Tgt Ion: 63 Resp: 462674

Ion Ratio Lower Upper

63 100

65 31.8 23.0 42.8

83 14.1 9.6 17.8



#21

2-Butanone

Concen: 215.051 ug/L

RT: 3.886 min Scan# 885

Delta R.T. -0.032 min

Lab File: VV030088.D

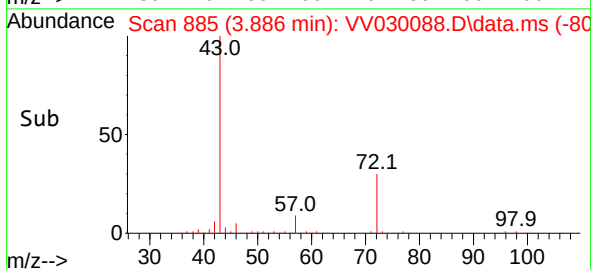
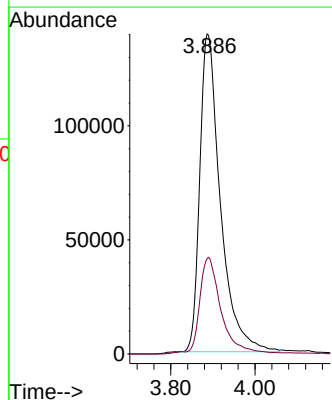
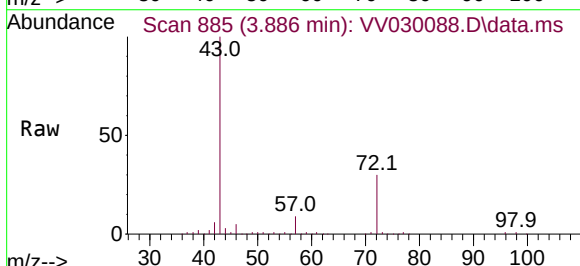
Acq: 23 Feb 2023 11:51

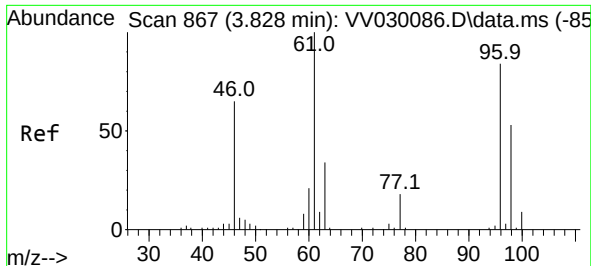
Tgt Ion: 43 Resp: 473246

Ion Ratio Lower Upper

43 100

72 30.3 15.1 45.3





#22

cis-1,2-Dichloroethene

Concen: 21.713 ug/L

RT: 3.822 min Scan# 80

Delta R.T. -0.006 min

Lab File: VV030088.D

Acq: 23 Feb 2023 11:51

Instrument :

MSVOA\_V

ClientSampleId :

VSTD020226

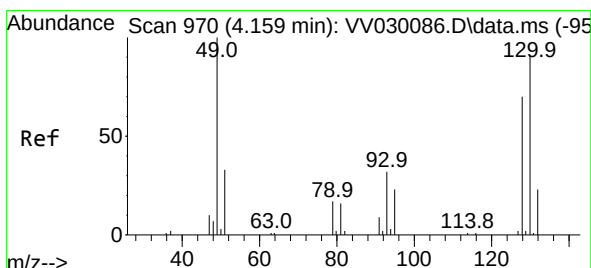
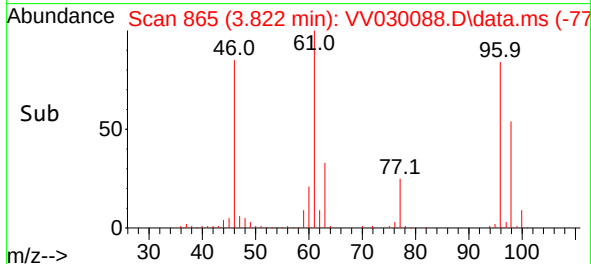
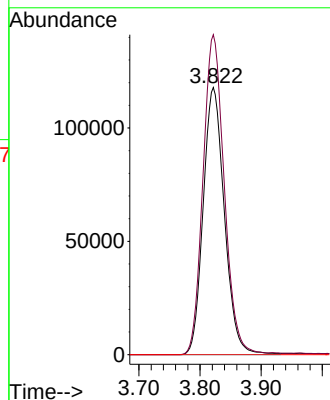
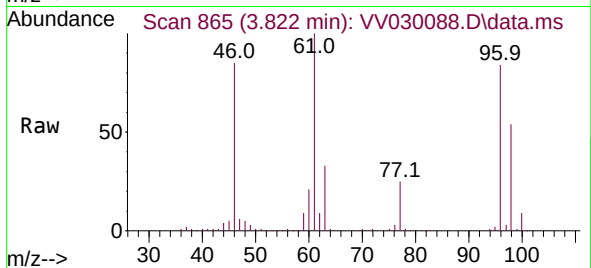
Tgt Ion: 96 Resp: 284329

Ion Ratio Lower Upper

96 100

61 119.7 83.4 154.8

68 0.0 0.0 0.0



#23

Bromochloromethane

Concen: 21.792 ug/L

RT: 4.156 min Scan# 969

Delta R.T. -0.003 min

Lab File: VV030088.D

Acq: 23 Feb 2023 11:51

Tgt Ion: 128 Resp: 121943

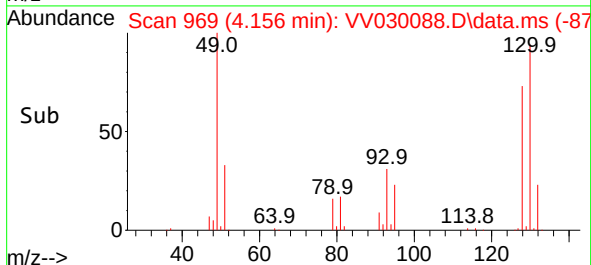
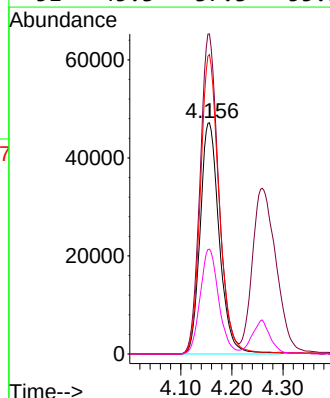
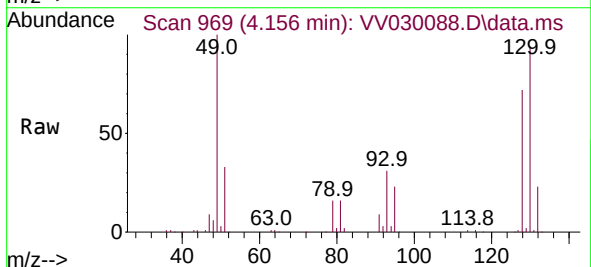
Ion Ratio Lower Upper

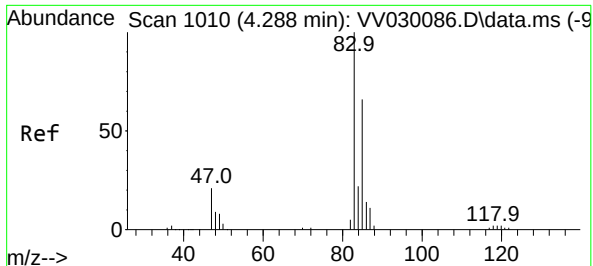
128 100

49 138.4 99.5 184.9

130 129.5 90.5 168.1

51 45.3 37.3 55.9





#25

Chloroform

Concen: 20.928 ug/L

RT: 4.285 min Scan# 1010

Delta R.T. -0.003 min

Lab File: VV030088.D

Acq: 23 Feb 2023 11:51

Instrument :

MSVOA\_V

ClientSampleId :

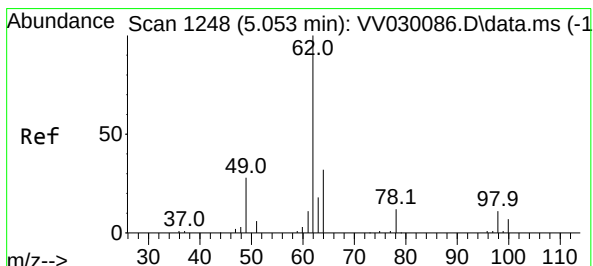
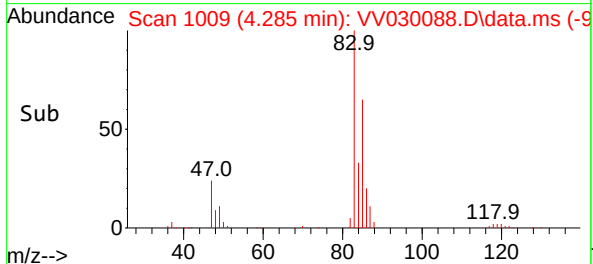
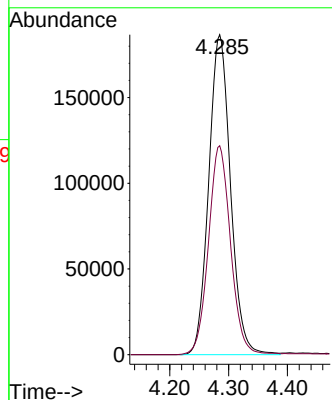
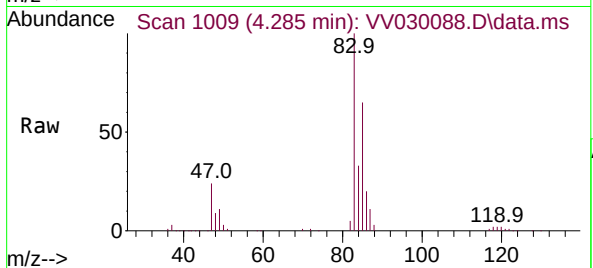
VSTD020226

Tgt Ion: 83 Resp: 480472

Ion Ratio Lower Upper

83 100

85 65.3 46.5 86.5



#27

1,2-Dichloroethane

Concen: 20.980 ug/L

RT: 5.047 min Scan# 1246

Delta R.T. -0.006 min

Lab File: VV030088.D

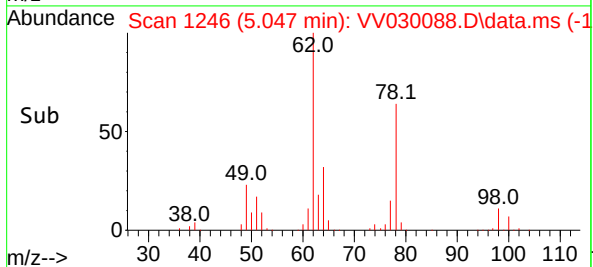
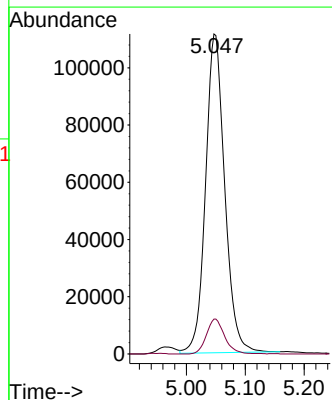
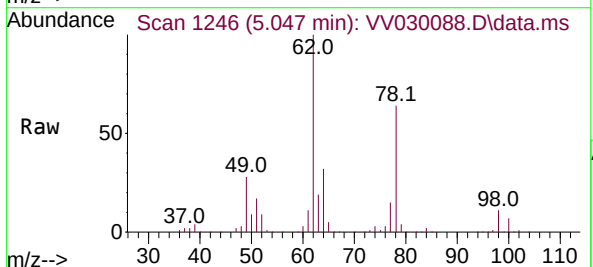
Acq: 23 Feb 2023 11:51

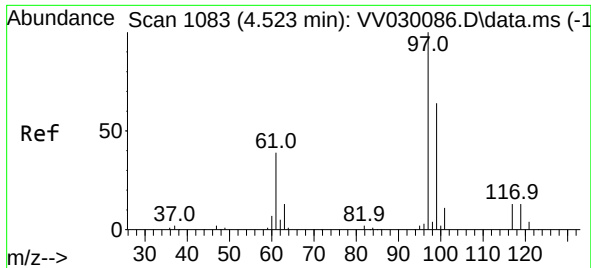
Tgt Ion: 62 Resp: 251939

Ion Ratio Lower Upper

62 100

98 10.9 9.0 13.4





#29

1,1,1-Trichloroethane

Concen: 21.865 ug/L

RT: 4.523 min Scan# 1105

Delta R.T. 0.000 min

Lab File: VV030088.D

Acq: 23 Feb 2023 11:51

Instrument :

MSVOA\_V

ClientSampleId :

VSTD020226

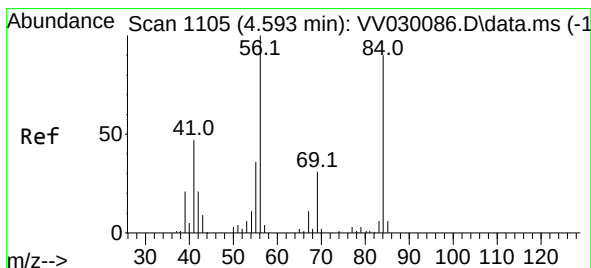
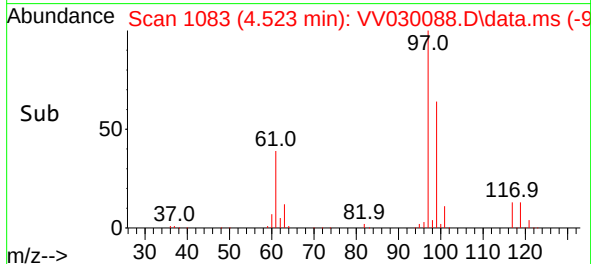
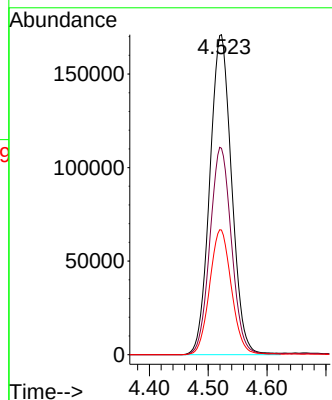
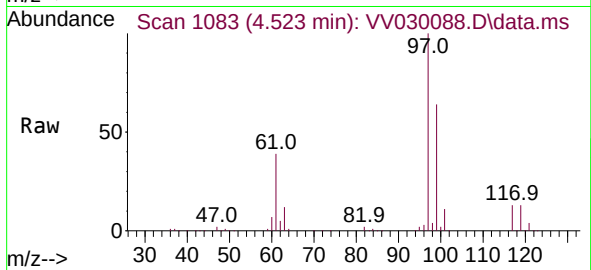
Tgt Ion: 97 Resp: 440742

Ion Ratio Lower Upper

97 100

99 64.2 51.3 76.9

61 39.0 31.5 47.3



#30

Cyclohexane

Concen: 23.127 ug/L

RT: 4.593 min Scan# 1105

Delta R.T. 0.000 min

Lab File: VV030088.D

Acq: 23 Feb 2023 11:51

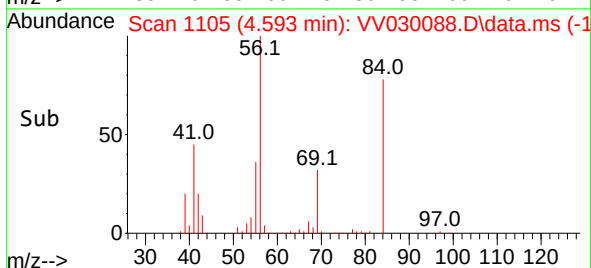
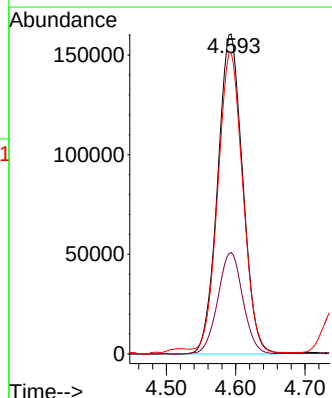
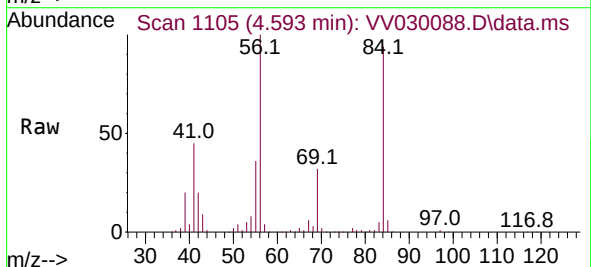
Tgt Ion: 56 Resp: 402800

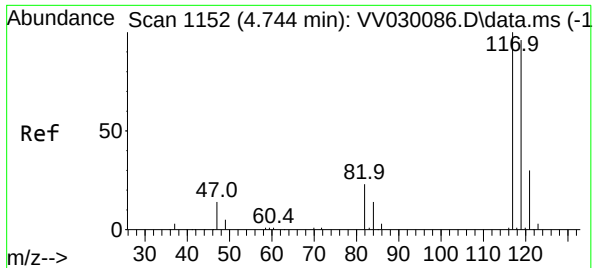
Ion Ratio Lower Upper

56 100

69 31.8 25.1 37.7

84 93.6 74.6 111.8

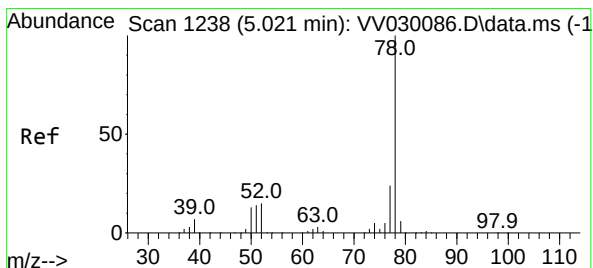
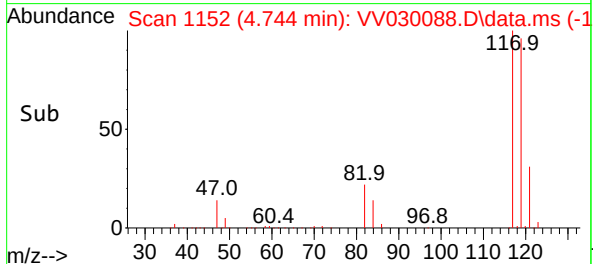
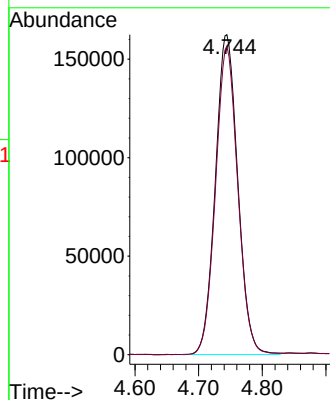
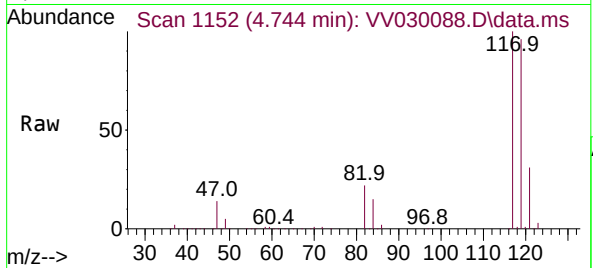




#31  
Carbon tetrachloride  
Concen: 21.927 ug/L  
RT: 4.744 min Scan# 1152  
Delta R.T. 0.000 min  
Lab File: VV030088.D  
Acq: 23 Feb 2023 11:51

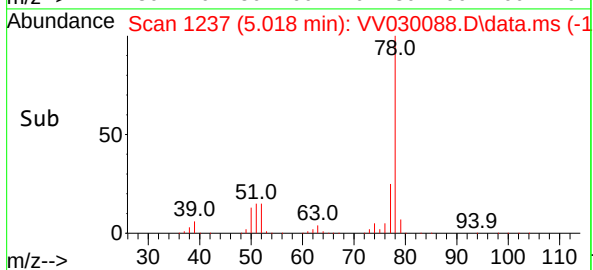
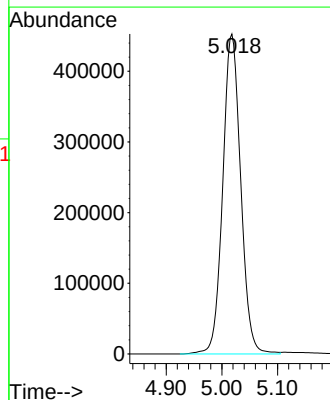
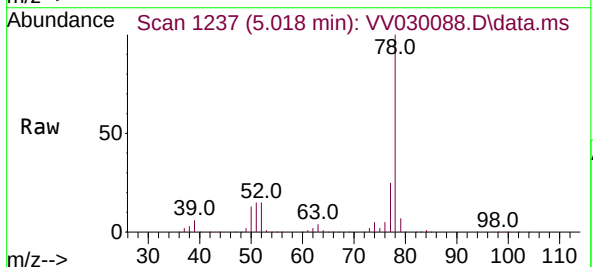
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD020226

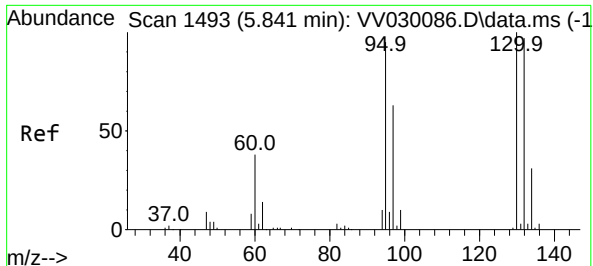
Tgt Ion:117 Resp: 397270  
Ion Ratio Lower Upper  
117 100  
119 95.7 76.1 114.1



#33  
Benzene  
Concen: 21.664 ug/L  
RT: 5.018 min Scan# 1237  
Delta R.T. -0.003 min  
Lab File: VV030088.D  
Acq: 23 Feb 2023 11:51

Tgt Ion: 78 Resp: 1015250





#34

Trichloroethene

Concen: 21.838 ug/L

RT: 5.838 min Scan# 1492

Delta R.T. -0.003 min

Lab File: VV030088.D

Acq: 23 Feb 2023 11:51

Instrument :

MSVOA\_V

ClientSampleId :

VSTD020226

Tgt Ion: 95 Resp: 286768

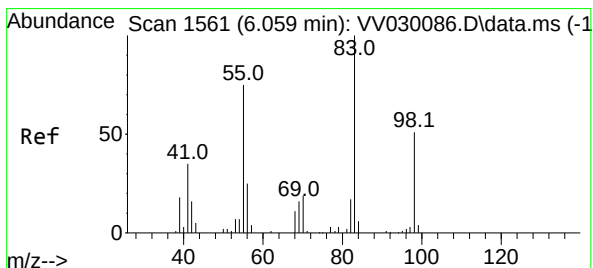
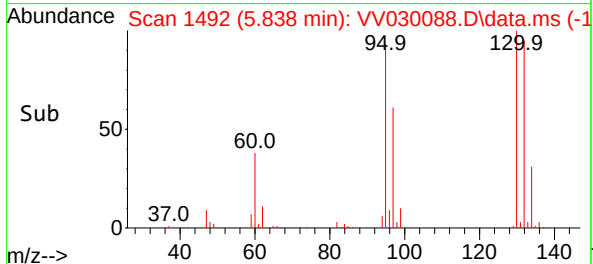
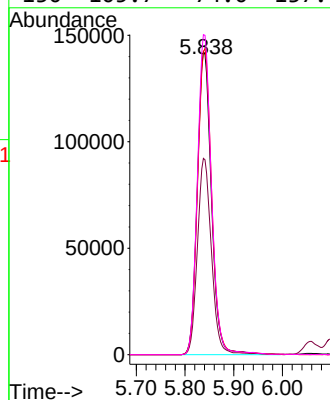
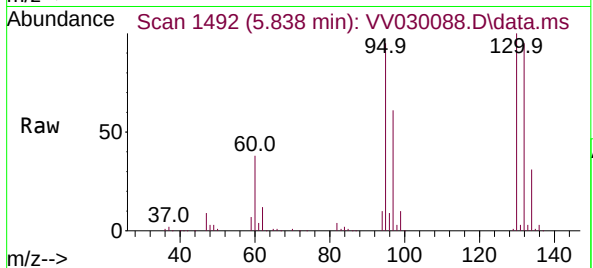
Ion Ratio Lower Upper

95 100

97 64.8 46.5 86.5

132 100.1 71.7 133.3

130 105.7 74.0 137.4



#35

Methylcyclohexane

Concen: 23.648 ug/L

RT: 6.060 min Scan# 1561

Delta R.T. 0.000 min

Lab File: VV030088.D

Acq: 23 Feb 2023 11:51

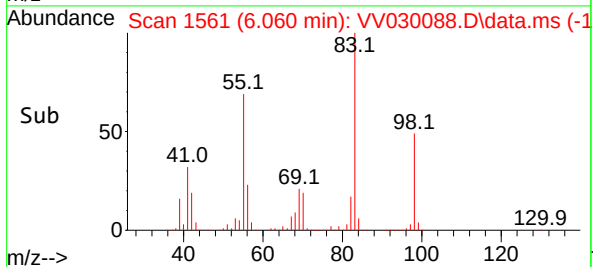
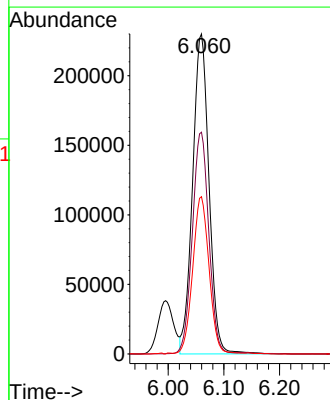
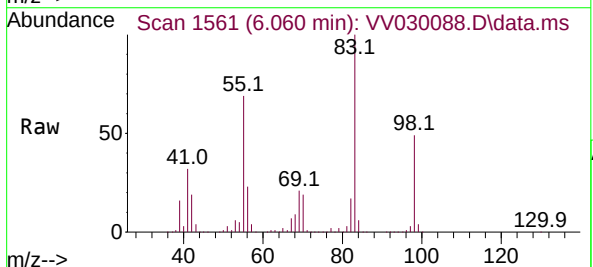
Tgt Ion: 83 Resp: 469976

Ion Ratio Lower Upper

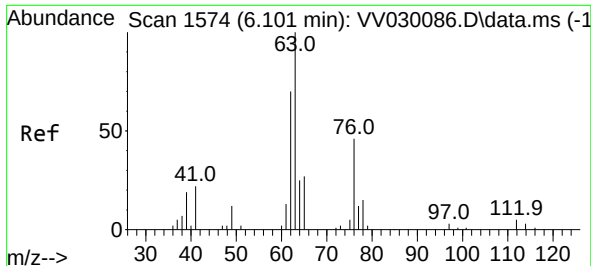
83 100

55 69.7 57.6 86.4

98 48.5 38.8 58.2







#37

1,2-Dichloropropane

Concen: 21.377 ug/L

RT: 6.098 min Scan# 1

Delta R.T. -0.003 min

Lab File: VV030088.D

Acq: 23 Feb 2023 11:51

Instrument :

MSVOA\_V

ClientSampleId :

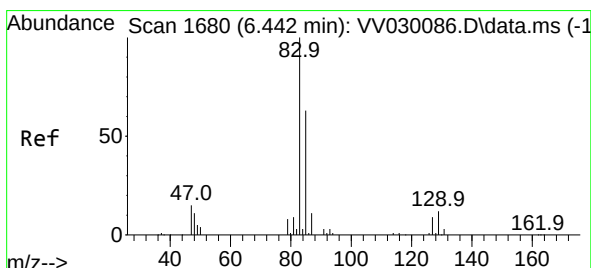
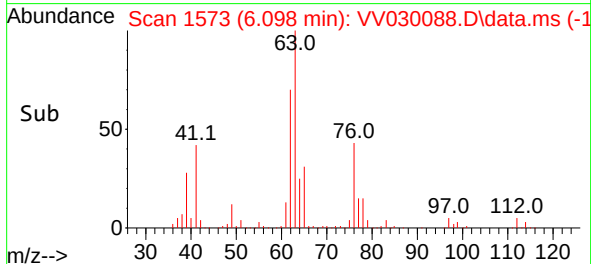
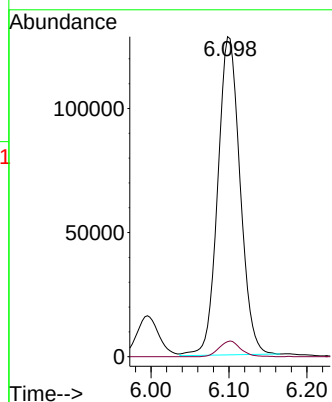
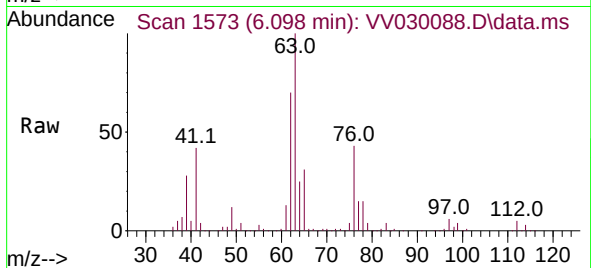
VSTD020226

Tgt Ion: 63 Resp: 254870

Ion Ratio Lower Upper

63 100

112 4.8 3.8 5.6



#38

Bromodichloromethane

Concen: 21.811 ug/L

RT: 6.439 min Scan# 1679

Delta R.T. -0.003 min

Lab File: VV030088.D

Acq: 23 Feb 2023 11:51

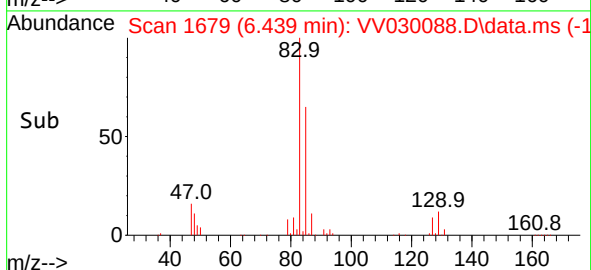
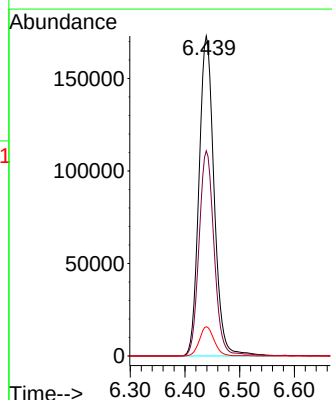
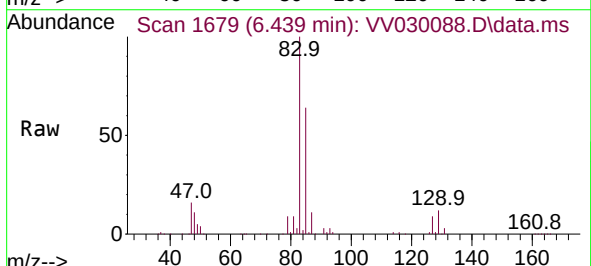
Tgt Ion: 83 Resp: 331961

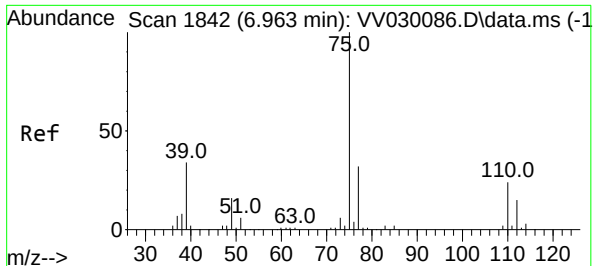
Ion Ratio Lower Upper

83 100

85 64.1 44.3 82.3

127 9.2 7.2 10.8





#39

cis-1,3-Dichloropropene

Concen: 23.380 ug/L

RT: 6.960 min Scan# 11

Delta R.T. -0.003 min

Lab File: VV030088.D

Acq: 23 Feb 2023 11:51

Instrument :

MSVOA\_V

ClientSampleId :

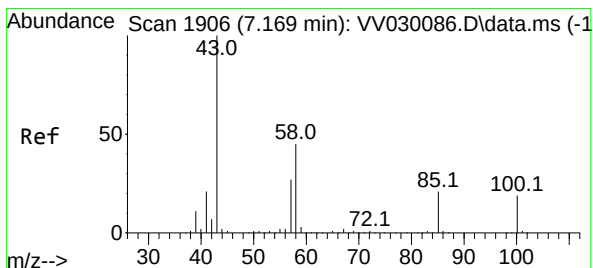
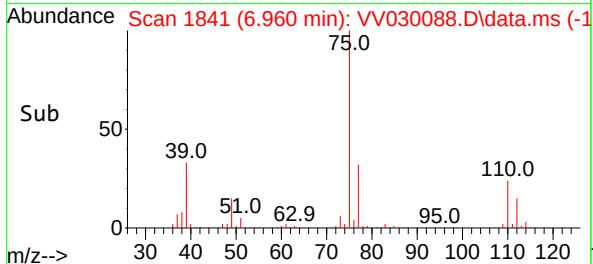
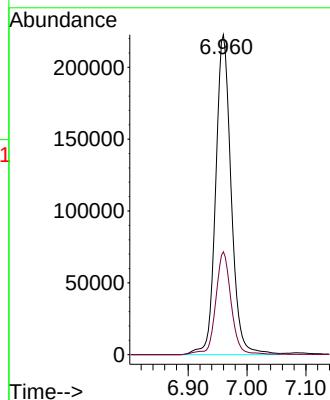
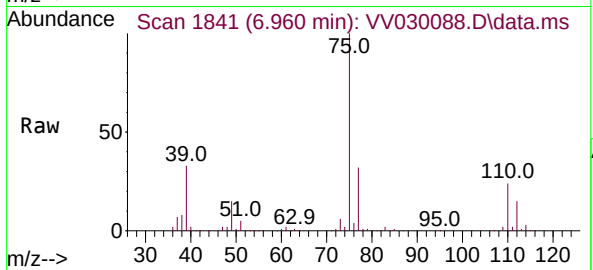
VSTD020226

Tgt Ion: 75 Resp: 408045

Ion Ratio Lower Upper

75 100

77 32.2 22.3 41.3



#40

4-Methyl-2-pentanone

Concen: 225.600 ug/L

RT: 7.166 min Scan# 1905

Delta R.T. -0.003 min

Lab File: VV030088.D

Acq: 23 Feb 2023 11:51

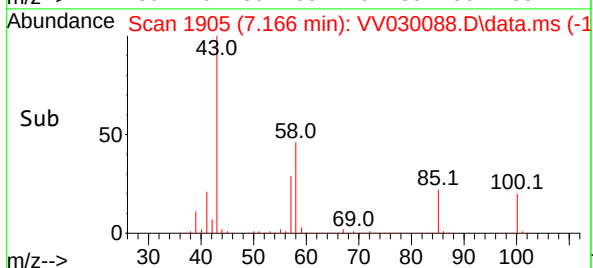
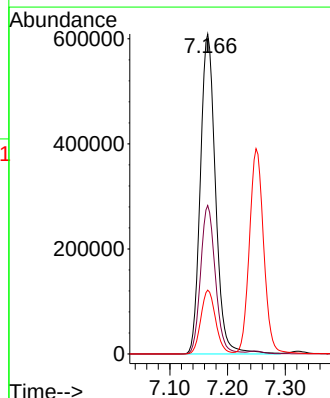
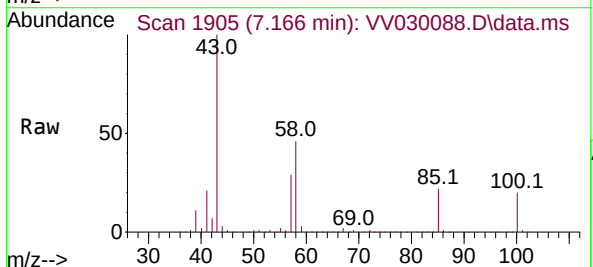
Tgt Ion: 43 Resp: 1109878

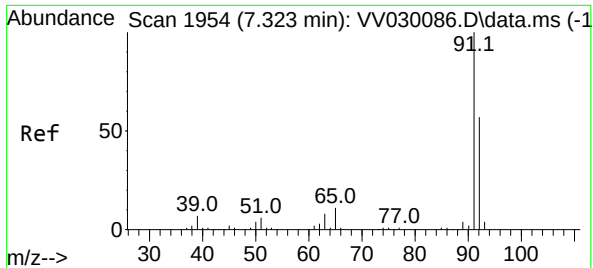
Ion Ratio Lower Upper

43 100

58 45.3 35.3 52.9

100 19.4 14.7 22.1





#42

Toluene

Concen: 22.438 ug/L

RT: 7.323 min Scan# 1954

Delta R.T. 0.000 min

Lab File: VV030088.D

Acq: 23 Feb 2023 11:51

Instrument :

MSVOA\_V

ClientSampleId :

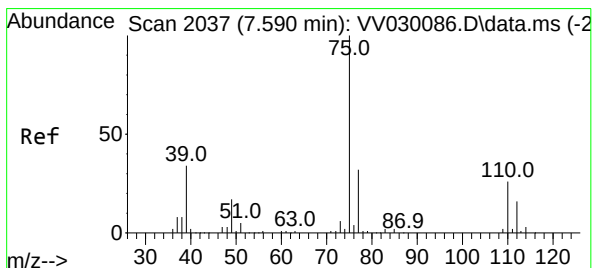
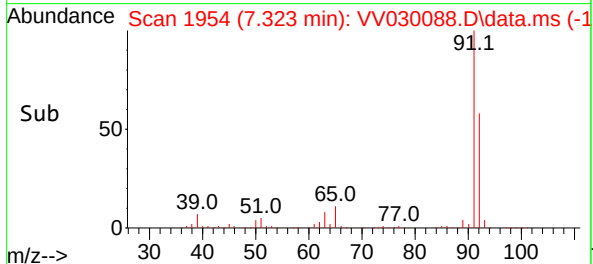
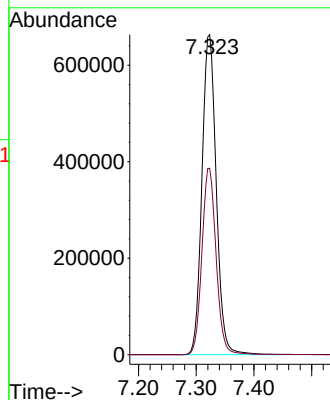
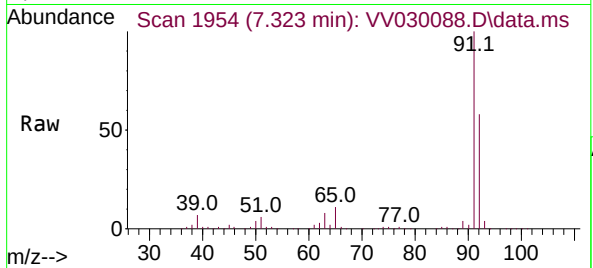
VSTD020226

Tgt Ion: 91 Resp: 1138908

Ion Ratio Lower Upper

91 100

92 58.3 39.6 73.6



#44

trans-1,3-Dichloropropene

Concen: 23.514 ug/L

RT: 7.587 min Scan# 2036

Delta R.T. -0.003 min

Lab File: VV030088.D

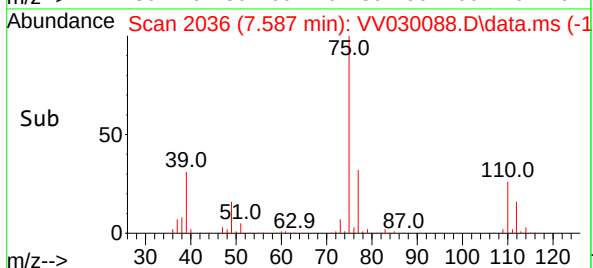
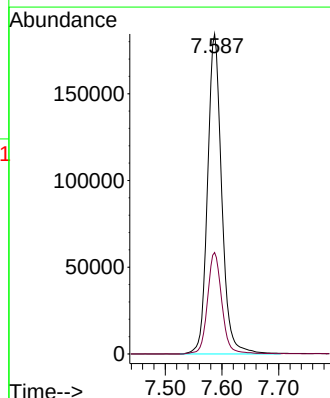
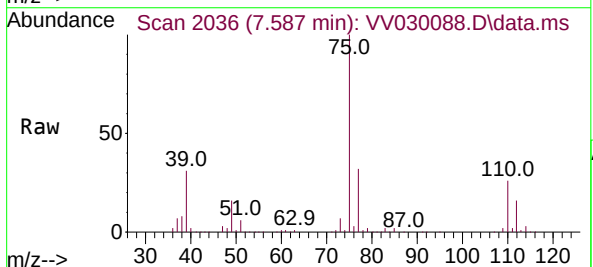
Acq: 23 Feb 2023 11:51

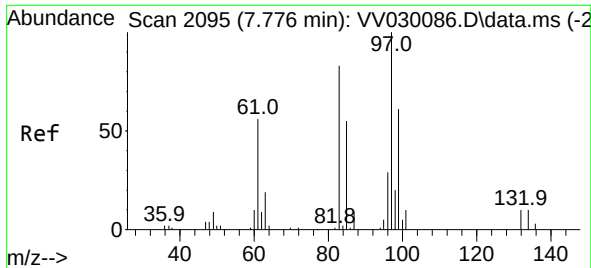
Tgt Ion: 75 Resp: 320365

Ion Ratio Lower Upper

75 100

77 31.7 22.1 41.1

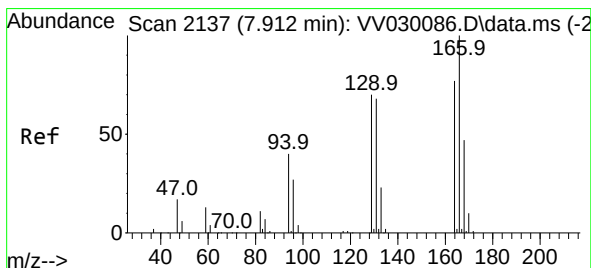
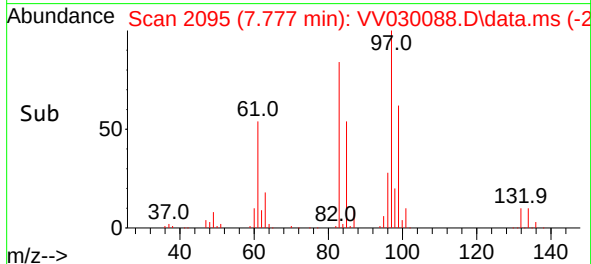
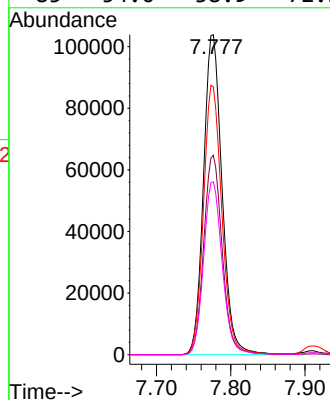
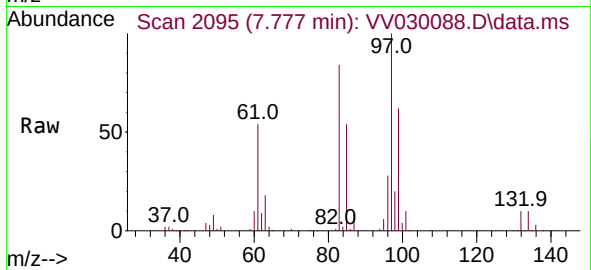




#45  
1,1,2-Trichloroethane  
Concen: 21.127 ug/L  
RT: 7.777 min Scan# 2095  
Delta R.T. 0.000 min  
Lab File: VV030088.D  
Acq: 23 Feb 2023 11:51

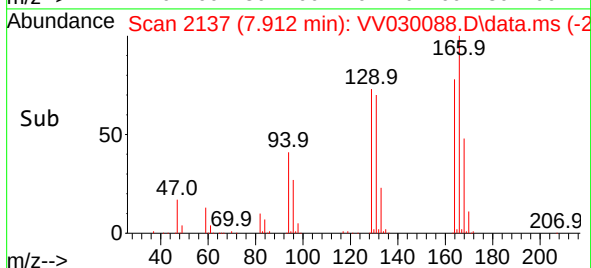
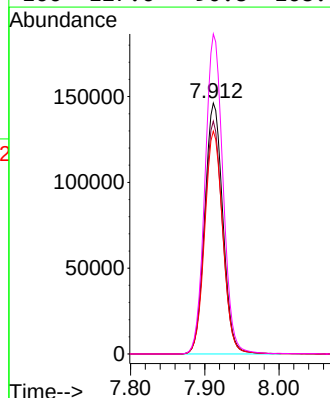
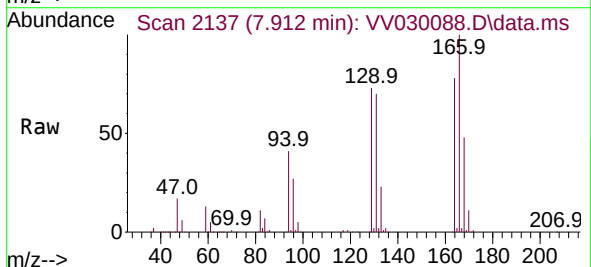
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD020226

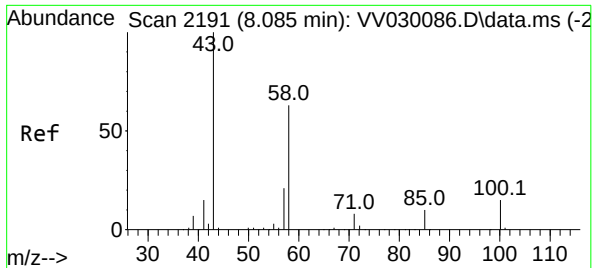
|             |              |
|-------------|--------------|
| Tgt Ion: 97 | Resp: 180227 |
| Ion Ratio   | Lower Upper  |
| 97 100      |              |
| 99 62.3     | 42.6 79.2    |
| 83 83.7     | 57.7 107.3   |
| 85 54.0     | 38.9 72.2    |



#47  
Tetrachloroethene  
Concen: 21.950 ug/L  
RT: 7.912 min Scan# 2137  
Delta R.T. 0.000 min  
Lab File: VV030088.D  
Acq: 23 Feb 2023 11:51

|     |         |       |        |
|-----|---------|-------|--------|
| Tgt | Ion:164 | Resp: | 247413 |
| Ion | Ratio   | Lower | Upper  |
| 164 | 100     |       |        |
| 129 | 92.8    | 63.6  | 118.2  |
| 131 | 88.9    | 61.7  | 114.7  |
| 166 | 127.6   | 90.8  | 168.6  |



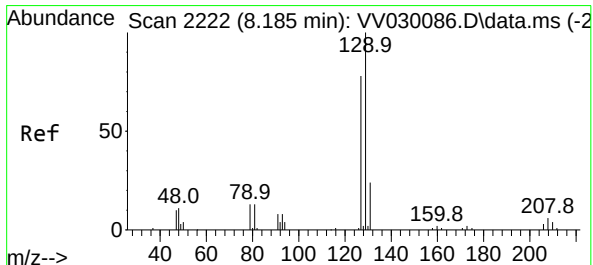
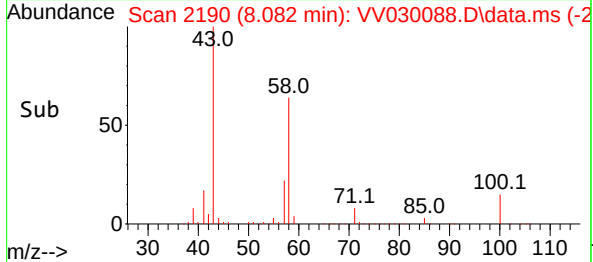
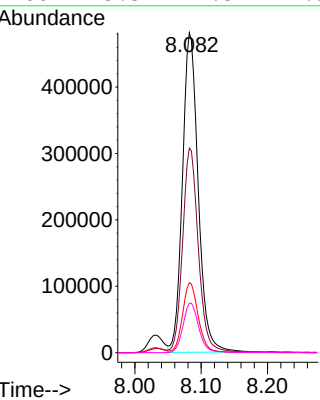
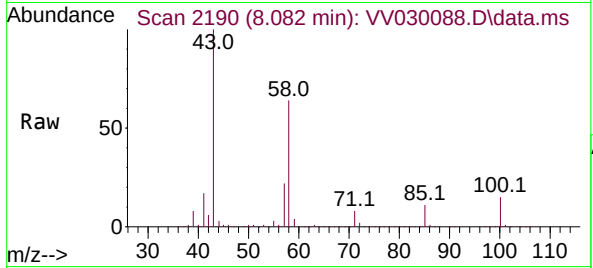


#48  
2-Hexanone  
Concen: 229.367 ug/L  
RT: 8.082 min Scan# 2190  
Delta R.T. -0.003 min  
Lab File: VV030088.D  
Acq: 23 Feb 2023 11:51

Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD020226

Tgt Ion: 43 Resp: 794819

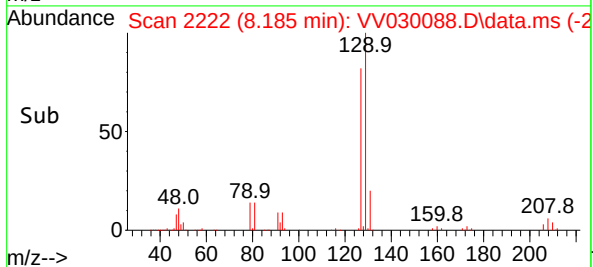
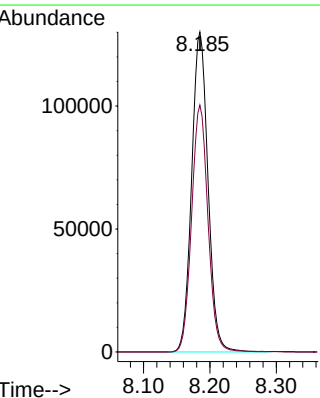
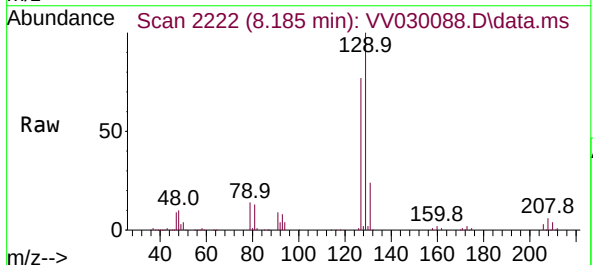
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 58  | 63.7  | 49.8  | 74.8  |
| 57  | 21.8  | 16.6  | 24.8  |
| 100 | 15.5  | 11.5  | 17.3  |

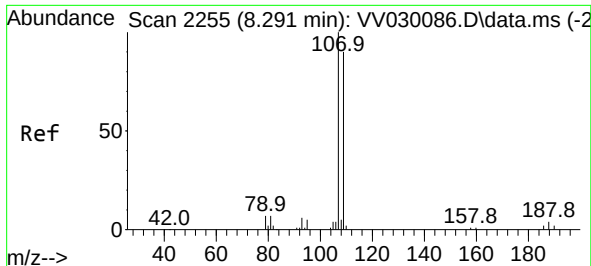


#49  
Dibromochloromethane  
Concen: 22.349 ug/L  
RT: 8.185 min Scan# 2222  
Delta R.T. 0.000 min  
Lab File: VV030088.D  
Acq: 23 Feb 2023 11:51

Tgt Ion: 129 Resp: 223098

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 129 | 100   |       |       |
| 127 | 77.1  | 54.7  | 101.5 |

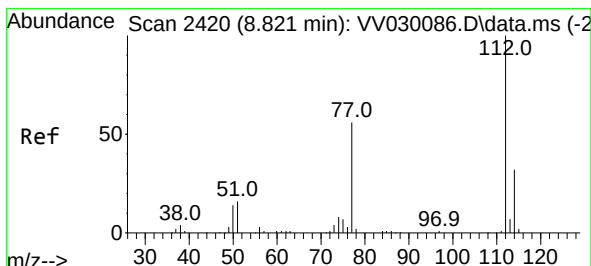
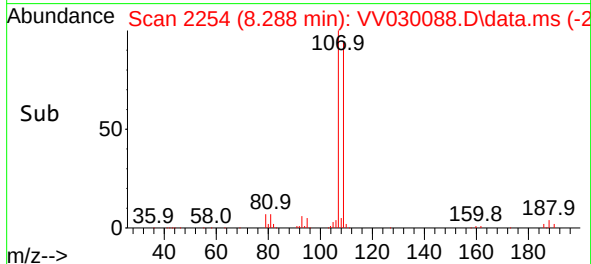
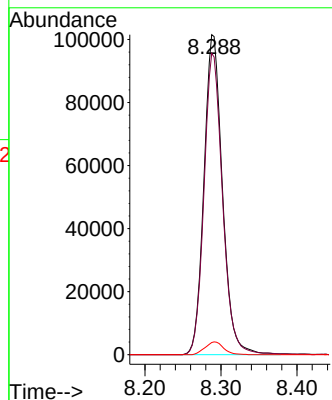
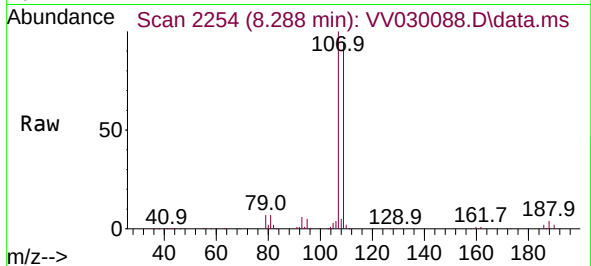




#50  
1,2-Dibromoethane  
Concen: 21.602 ug/L  
RT: 8.288 min Scan# 21  
Delta R.T. -0.003 min  
Lab File: VV030088.D  
Acq: 23 Feb 2023 11:51

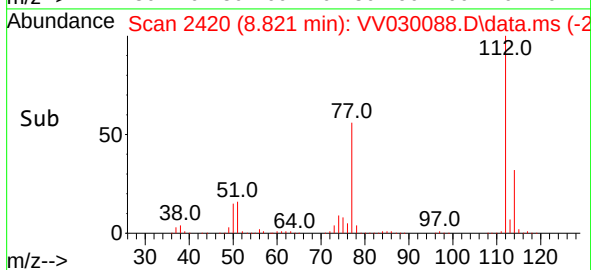
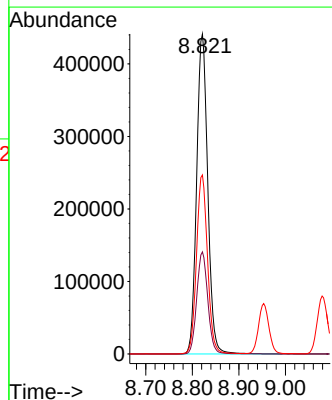
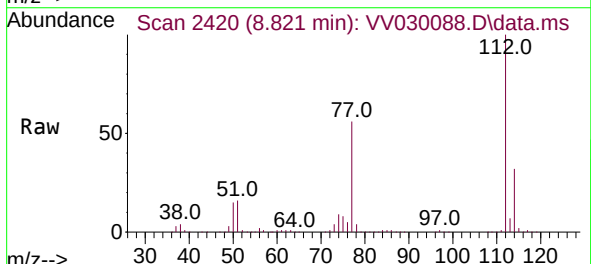
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD020226

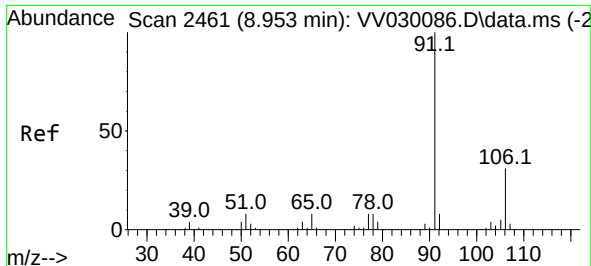
Tgt Ion:107 Resp: 171937  
Ion Ratio Lower Upper  
107 100  
109 94.1 63.3 117.7  
188 3.8 3.0 4.6



#51  
Chlorobenzene  
Concen: 21.275 ug/L  
RT: 8.821 min Scan# 2420  
Delta R.T. 0.000 min  
Lab File: VV030088.D  
Acq: 23 Feb 2023 11:51

Tgt Ion:112 Resp: 728261  
Ion Ratio Lower Upper  
112 100  
114 31.9 22.5 41.7  
77 56.0 45.3 67.9





#52

Ethylbenzene

Concen: 22.775 ug/L

RT: 8.953 min Scan# 2461

Delta R.T. 0.000 min

Lab File: VV030088.D

Acq: 23 Feb 2023 11:51

Instrument :

MSVOA\_V

ClientSampleId :

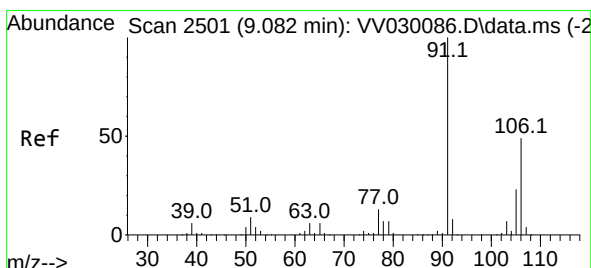
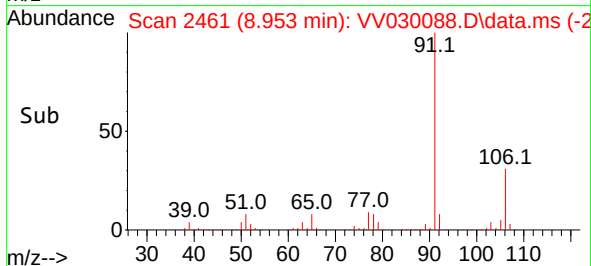
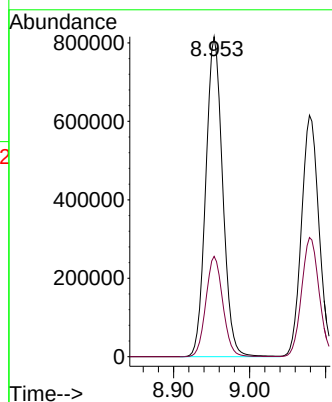
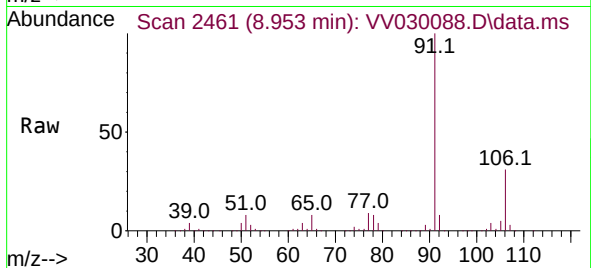
VSTD020226

Tgt Ion: 91 Resp: 1258068

Ion Ratio Lower Upper

91 100

106 31.4 22.0 40.8



#53

m,p-Xylene

Concen: 23.050 ug/L

RT: 9.079 min Scan# 2500

Delta R.T. -0.003 min

Lab File: VV030088.D

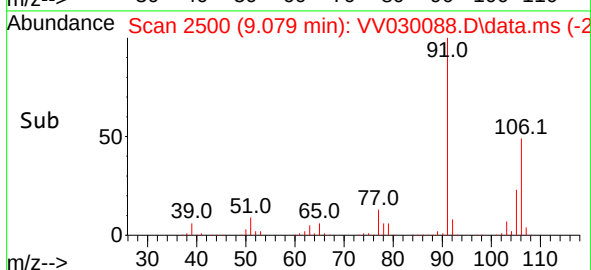
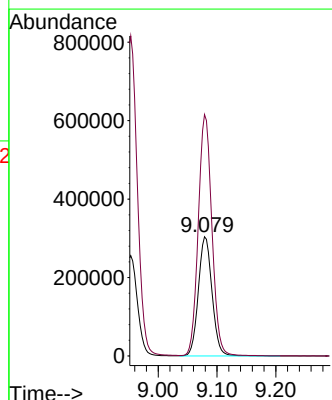
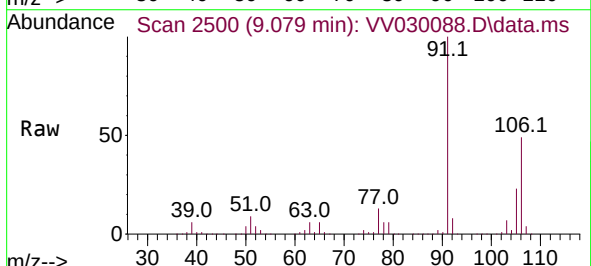
Acq: 23 Feb 2023 11:51

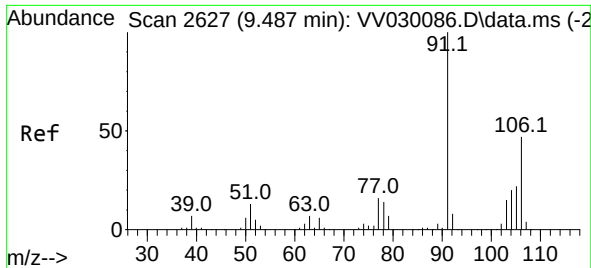
Tgt Ion: 106 Resp: 489357

Ion Ratio Lower Upper

106 100

91 202.5 142.5 264.7

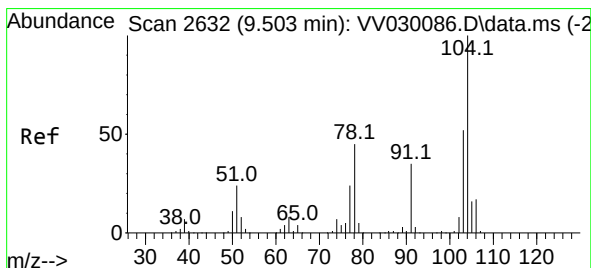
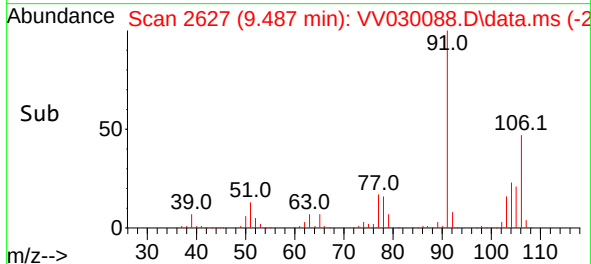
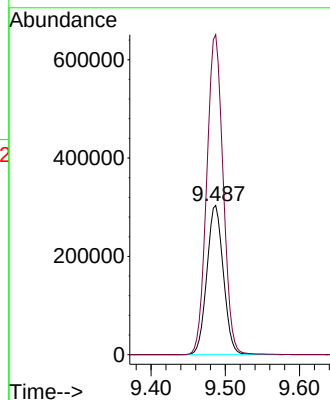
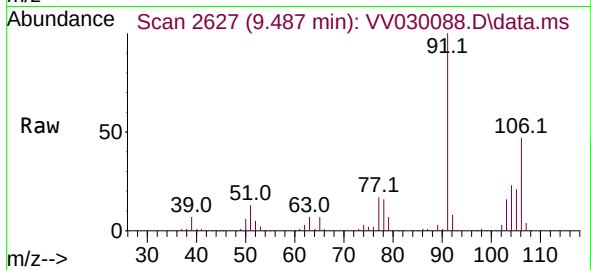




#54  
o-Xylene  
Concen: 23.076 ug/L  
RT: 9.487 min Scan# 2627  
Delta R.T. 0.000 min  
Lab File: VV030088.D  
Acq: 23 Feb 2023 11:51

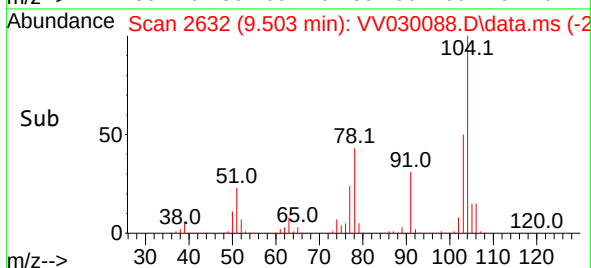
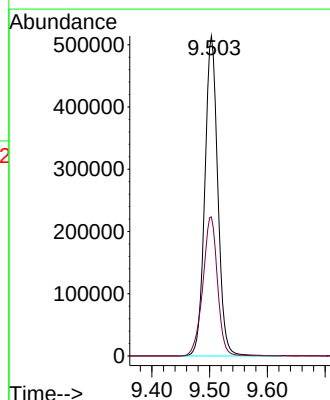
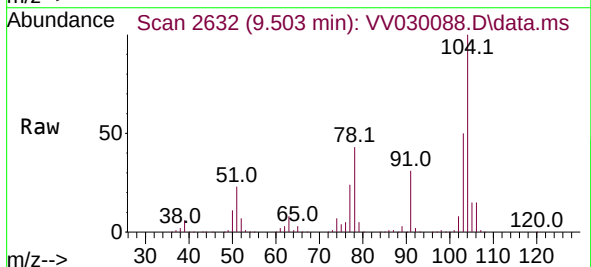
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD020226

Tgt Ion:106 Resp: 467943  
Ion Ratio Lower Upper  
106 100  
91 214.4 148.8 276.4

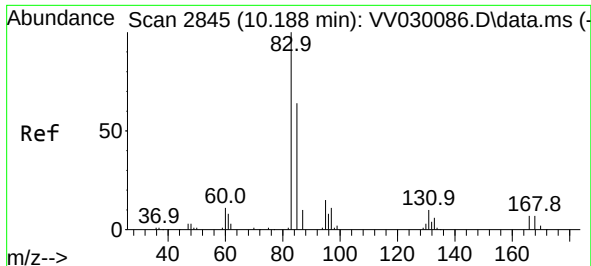


#55  
Styrene  
Concen: 23.774 ug/L  
RT: 9.503 min Scan# 2632  
Delta R.T. 0.000 min  
Lab File: VV030088.D  
Acq: 23 Feb 2023 11:51

Tgt Ion:104 Resp: 801738  
Ion Ratio Lower Upper  
104 100  
78 43.4 31.1 57.9







#57

1,1,2,2-Tetrachloroethane

Concen: 21.122 ug/L

RT: 10.185 min Scan# 2845

Delta R.T. -0.003 min

Lab File: VV030088.D

Acq: 23 Feb 2023 11:51

Instrument :

MSVOA\_V

ClientSampleId :

VSTD020226

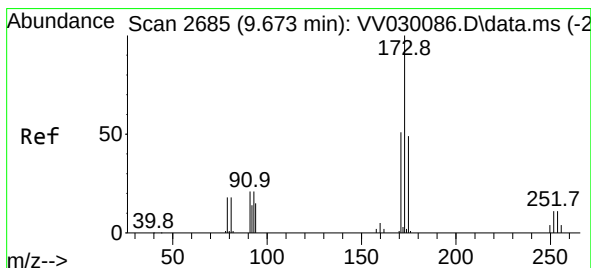
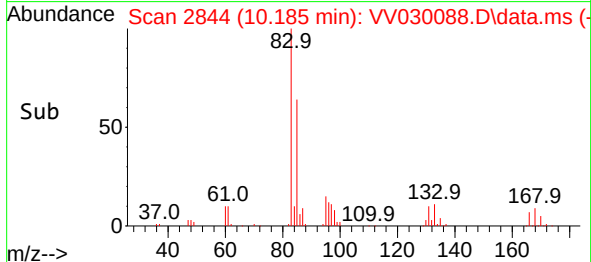
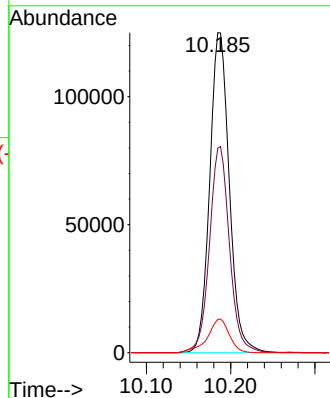
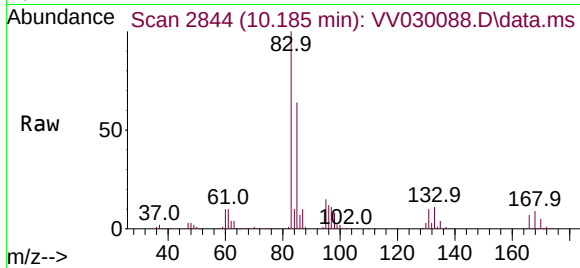
Tgt Ion: 83 Resp: 201559

Ion Ratio Lower Upper

83 100

85 63.9 45.0 83.6

131 10.3 8.2 12.4



#59

Bromoform

Concen: 21.000 ug/L

RT: 9.674 min Scan# 2685

Delta R.T. 0.000 min

Lab File: VV030088.D

Acq: 23 Feb 2023 11:51

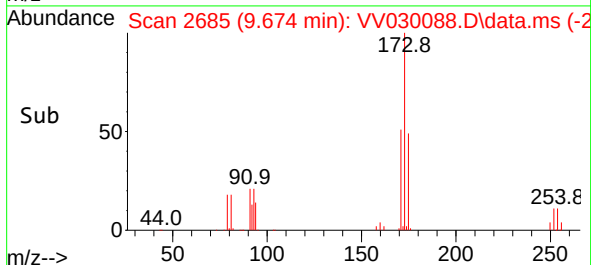
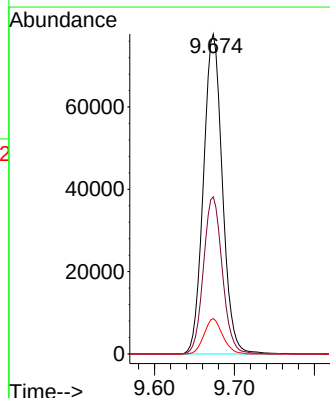
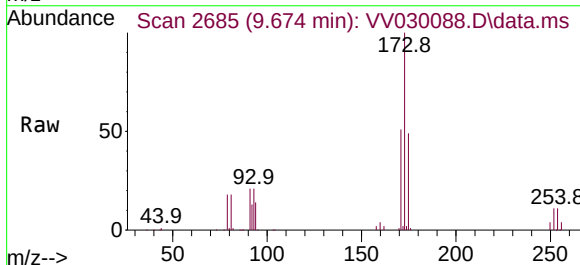
Tgt Ion: 173 Resp: 128338

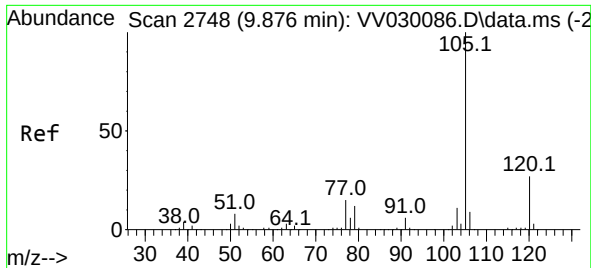
Ion Ratio Lower Upper

173 100

175 48.8 38.5 57.7

254 10.8 8.6 13.0

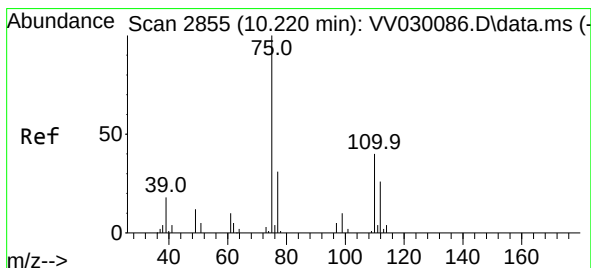
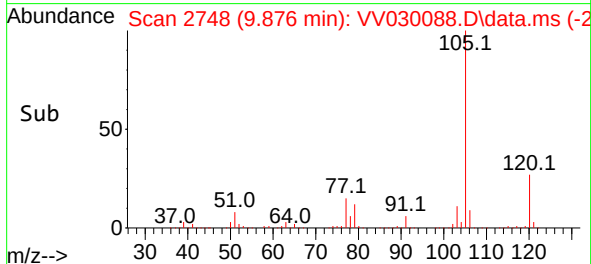
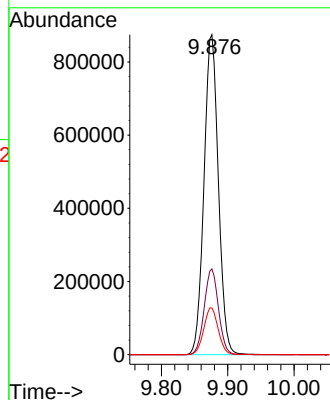
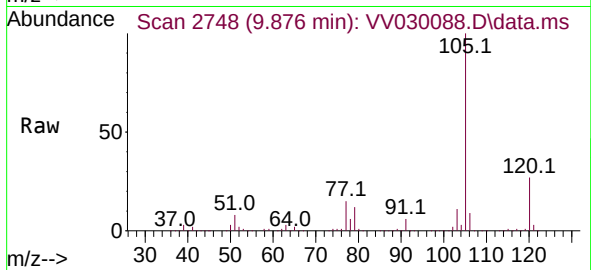




#60  
Isopropylbenzene  
Concen: 22.463 ug/L  
RT: 9.876 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VV030088.D  
Acq: 23 Feb 2023 11:51

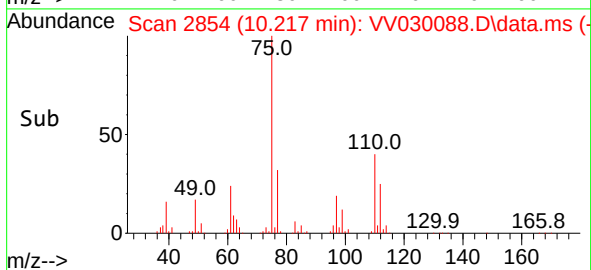
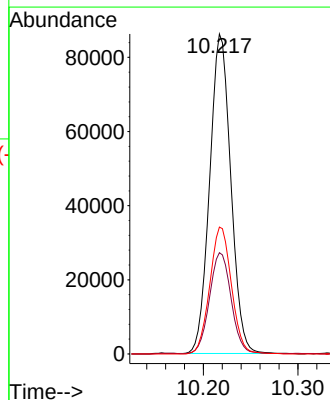
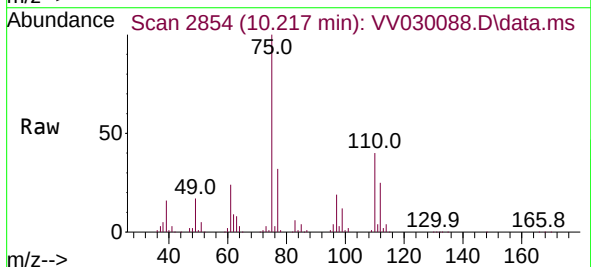
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD020226

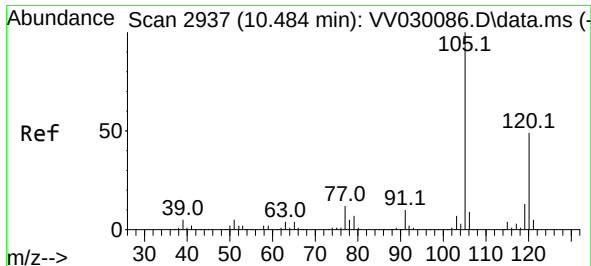
Tgt Ion:105 Resp: 1317881  
Ion Ratio Lower Upper  
105 100  
120 26.6 21.4 32.0  
77 14.8 12.1 18.1



#61  
1,2,3-Trichloropropane  
Concen: 19.597 ug/L  
RT: 10.217 min Scan# 2854  
Delta R.T. -0.003 min  
Lab File: VV030088.D  
Acq: 23 Feb 2023 11:51

Tgt Ion: 75 Resp: 133737  
Ion Ratio Lower Upper  
75 100  
77 32.3 26.5 39.7  
110 40.8 31.8 47.6





#62

1,3,5-Trimethylbenzene

Concen: 23.417 ug/L

RT: 10.484 min Scan# 2937

Delta R.T. 0.000 min

Lab File: VV030088.D

Acq: 23 Feb 2023 11:51

Instrument :

MSVOA\_V

ClientSampleId :

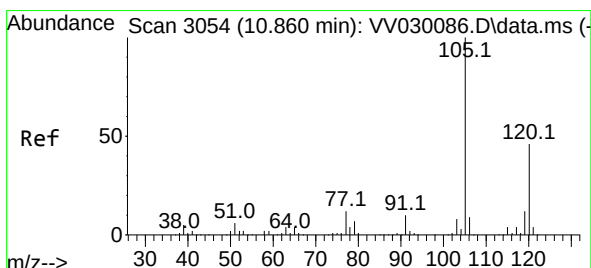
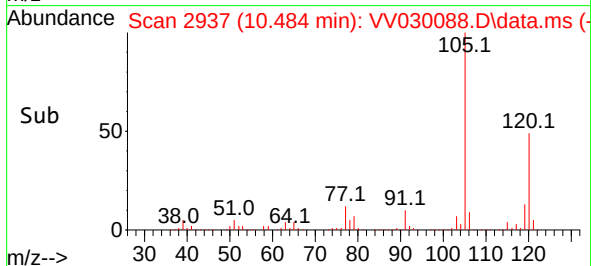
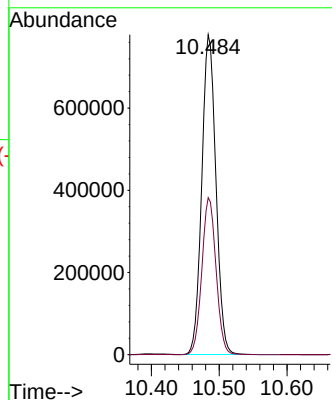
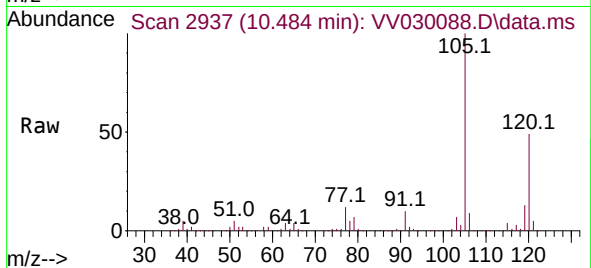
VSTD020226

Tgt Ion:105 Resp: 1128526

Ion Ratio Lower Upper

105 100

120 49.2 39.6 59.4



#63

1,2,4-Trimethylbenzene

Concen: 23.533 ug/L

RT: 10.860 min Scan# 3054

Delta R.T. 0.000 min

Lab File: VV030088.D

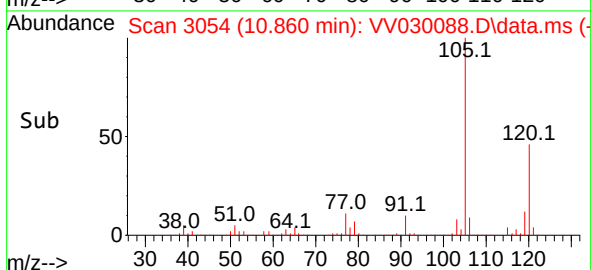
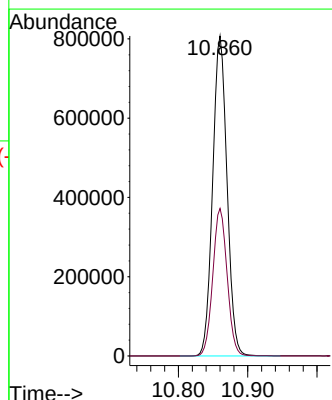
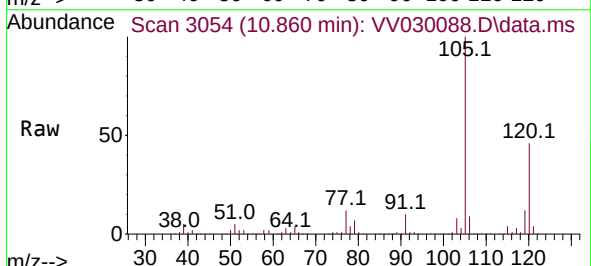
Acq: 23 Feb 2023 11:51

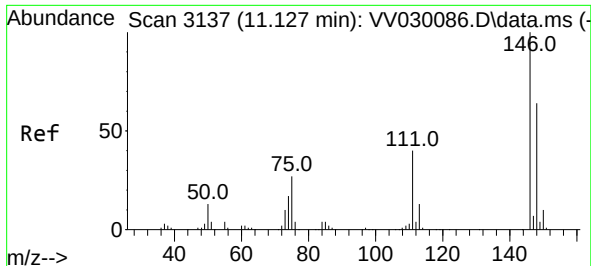
Tgt Ion:105 Resp: 1160138

Ion Ratio Lower Upper

105 100

120 46.0 36.2 54.4

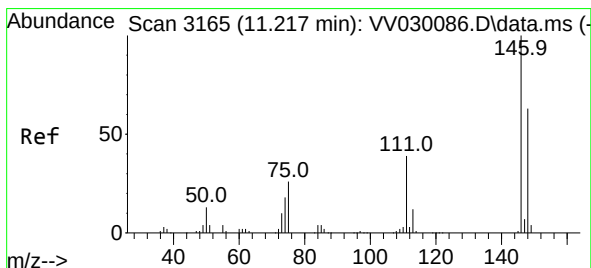
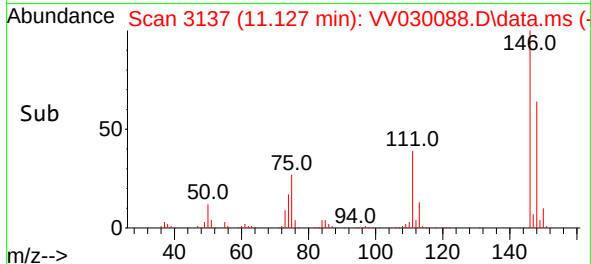
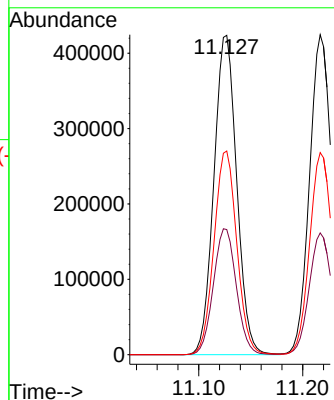
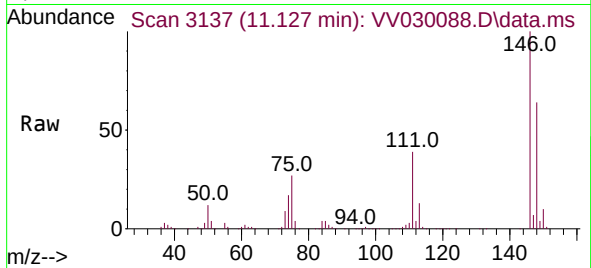




#64  
1,3-Dichlorobenzene  
Concen: 21.190 ug/L  
RT: 11.127 min Scan# 3137  
Delta R.T. 0.000 min  
Lab File: VV030088.D  
Acq: 23 Feb 2023 11:51

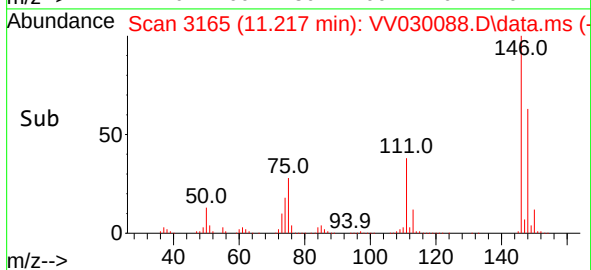
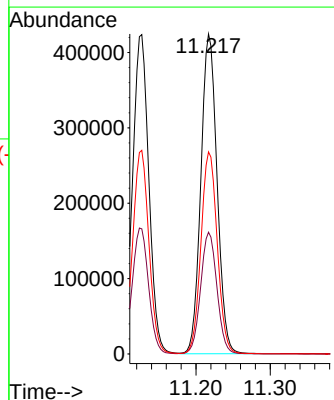
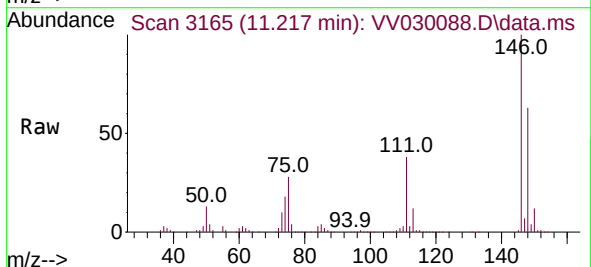
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD020226

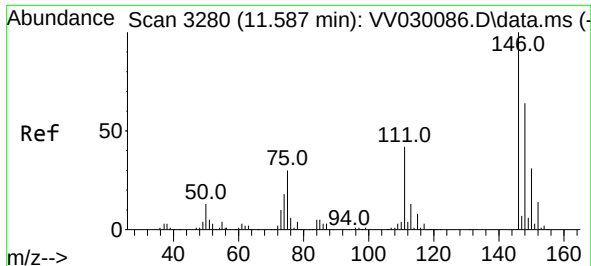
Tgt Ion:146 Resp: 647290  
Ion Ratio Lower Upper  
146 100  
111 39.2 27.7 51.5  
148 63.8 44.5 82.7



#65  
1,4-Dichlorobenzene  
Concen: 20.867 ug/L  
RT: 11.217 min Scan# 3165  
Delta R.T. 0.000 min  
Lab File: VV030088.D  
Acq: 23 Feb 2023 11:51

Tgt Ion:146 Resp: 643135  
Ion Ratio Lower Upper  
146 100  
111 38.0 27.4 51.0  
148 63.2 44.1 81.9





#67

1,2-Dichlorobenzene

Concen: 21.348 ug/L

RT: 11.587 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV030088.D

Acq: 23 Feb 2023 11:51

Instrument :

MSVOA\_V

ClientSampleId :

VSTD020226

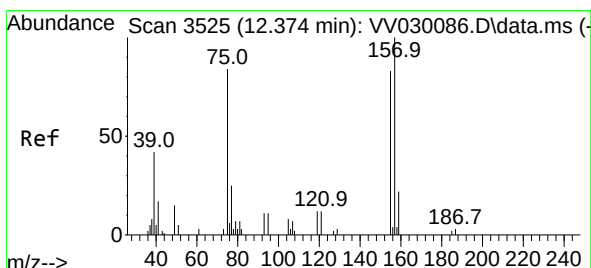
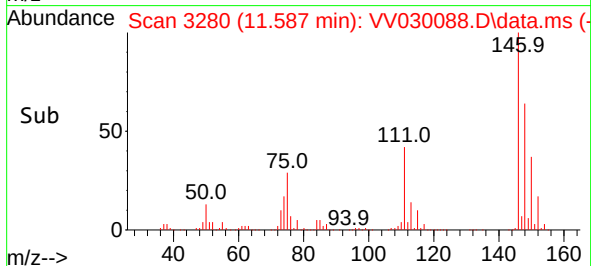
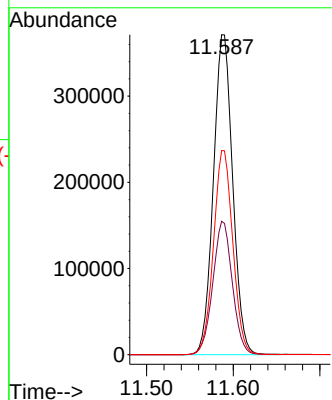
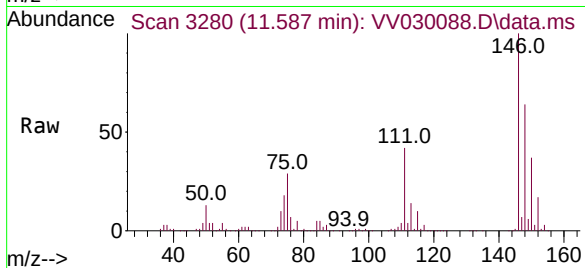
Tgt Ion:146 Resp: 575839

Ion Ratio Lower Upper

146 100

111 41.7 33.5 50.3

148 63.8 51.3 76.9



#68

1,2-Dibromo-3-chloropropane

Concen: 20.578 ug/L

RT: 12.374 min Scan# 3525

Delta R.T. 0.000 min

Lab File: VV030088.D

Acq: 23 Feb 2023 11:51

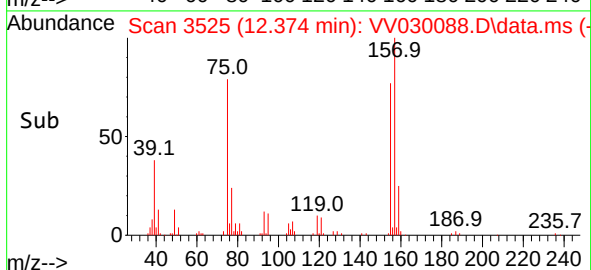
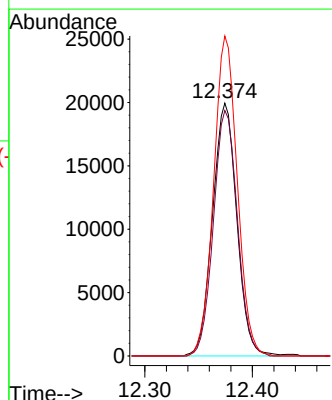
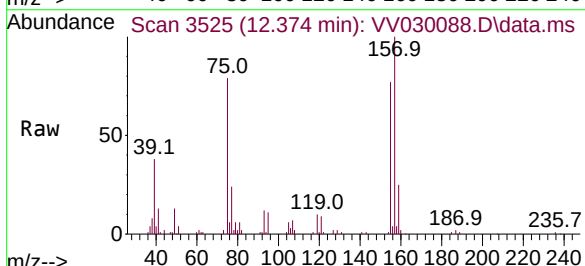
Tgt Ion: 75 Resp: 31363

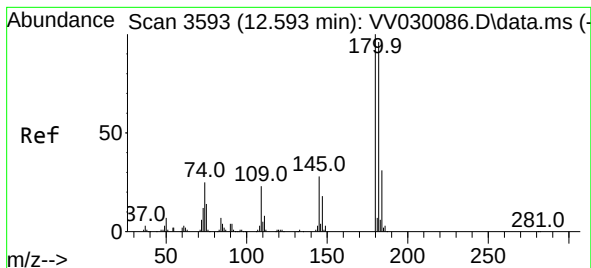
Ion Ratio Lower Upper

75 100

155 97.1 79.1 118.7

157 126.6 95.5 143.3





#69

1,3,5-Trichlorobenzene

Concen: 21.972 ug/L

RT: 12.593 min Scan# 3593

Delta R.T. 0.000 min

Lab File: VV030088.D

Acq: 23 Feb 2023 11:51

Instrument :

MSVOA\_V

ClientSampleId :

VSTD020226

Tgt Ion:180 Resp: 551775

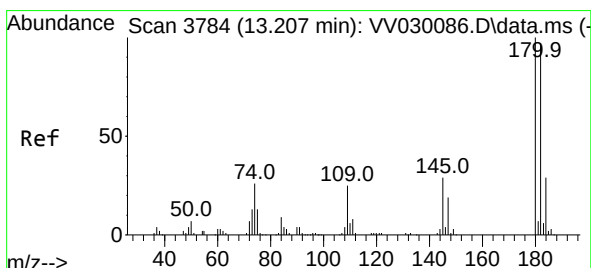
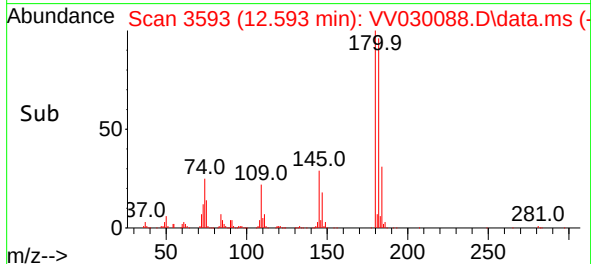
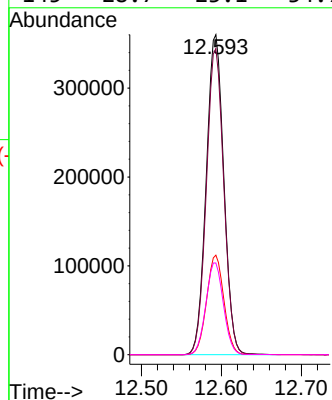
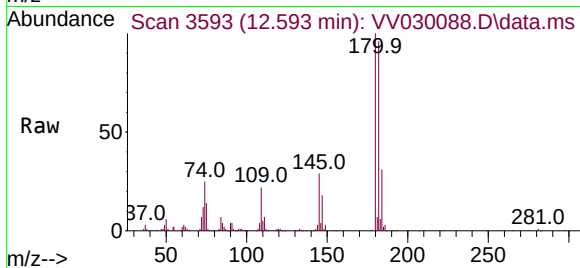
Ion Ratio Lower Upper

180 100

182 95.0 76.5 114.7

184 30.6 24.3 36.5

145 28.7 23.1 34.7



#70

1,2,4-trichlorobenzene

Concen: 22.294 ug/L

RT: 13.207 min Scan# 3784

Delta R.T. 0.000 min

Lab File: VV030088.D

Acq: 23 Feb 2023 11:51

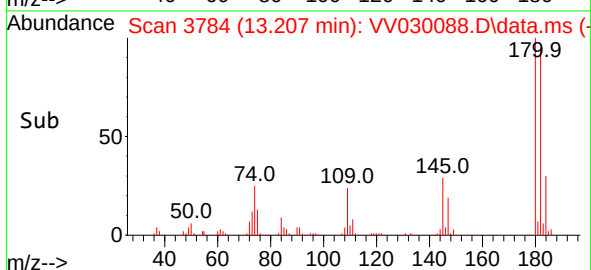
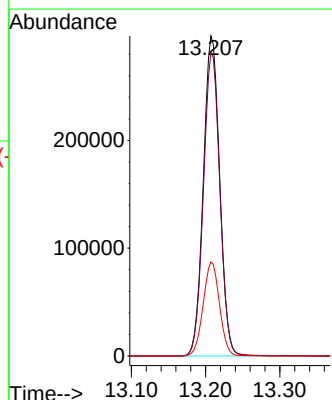
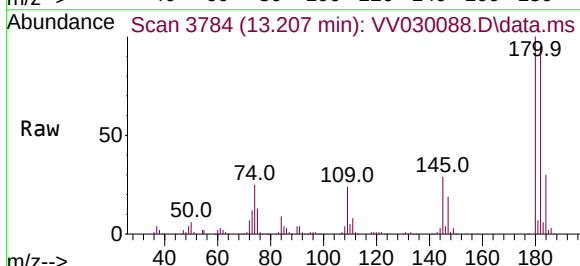
Tgt Ion:180 Resp: 453545

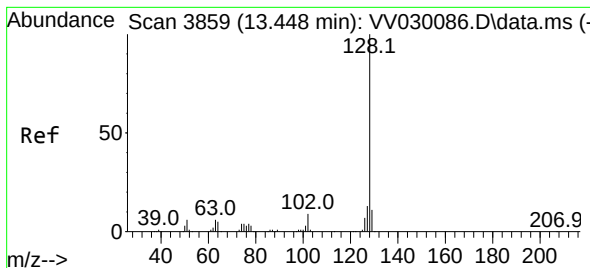
Ion Ratio Lower Upper

180 100

182 95.0 77.3 115.9

145 29.3 23.1 34.7





#71

Naphthalene

Concen: 23.586 ug/L

RT: 13.448 min Scan# 3859

Delta R.T. 0.000 min

Lab File: VV030088.D

Acq: 23 Feb 2023 11:51

Instrument :

MSVOA\_V

ClientSampleId :

VSTD020226

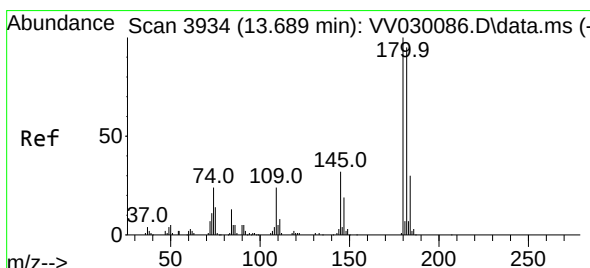
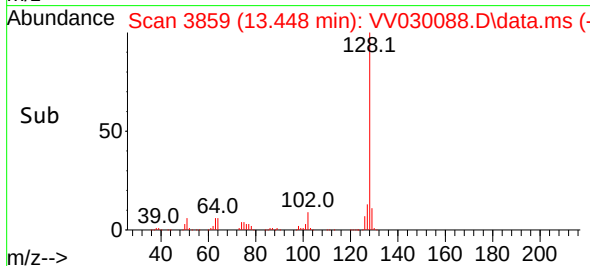
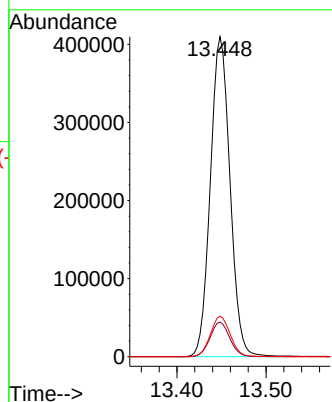
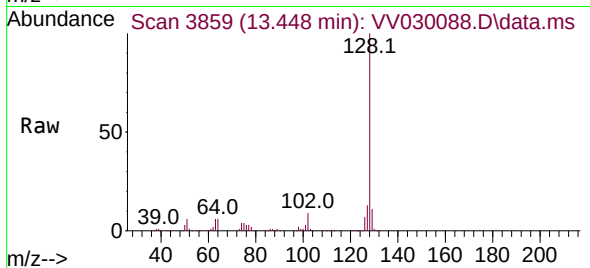
Tgt Ion:128 Resp: 627042

Ion Ratio Lower Upper

128 100

129 10.9 8.6 13.0

127 12.8 10.4 15.6



#72

1,2,3-Trichlorobenzene

Concen: 22.301 ug/L

RT: 13.689 min Scan# 3934

Delta R.T. 0.000 min

Lab File: VV030088.D

Acq: 23 Feb 2023 11:51

Tgt Ion:180 Resp: 373473

Ion Ratio Lower Upper

180 100

182 95.3 76.2 114.2

145 31.3 25.1 37.7

