

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW011224\  
 Data File : VW033588.D  
 Acq On : 12 Jan 2024 11:41  
 Operator : SY/MD  
 Sample : VSTD020  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Jan 12 23:09:13 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR011224WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Fri Jan 12 23:05:58 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Difluorobenzene        | 5.538  | 114  | 141209   | 5.000   | ug/L  | 0.00     |
| 28) Chlorobenzene-d5          | 8.786  | 117  | 127442   | 5.000   | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.185 | 152  | 68285    | 5.000   | ug/L  | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 4) Vinyl Chloride-d3          | 1.281  | 65   | 159977   | 18.649  | ug/L  | 0.00     |
| 7) Chloroethane-d5            | 1.535  | 69   | 142986   | 19.477  | ug/L  | 0.00     |
| 11) 1,1-Dichloroethene-d2     | 2.063  | 65   | 71529    | 18.568  | ug/L  | 0.00     |
| 20) 2-Butanone-d5             | 3.815  | 46   | 446738   | 208.285 | ug/L  | -0.02    |
| 24) Chloroform-d              | 4.249  | 84   | 355011   | 19.982  | ug/L  | 0.00     |
| 26) 1,2-Dichloroethane-d4     | 4.944  | 65   | 164408   | 20.448  | ug/L  | 0.00     |
| 32) Benzene-d6                | 4.960  | 84   | 664269   | 20.787  | ug/L  | 0.00     |
| 36) 1,2-Dichloropropane-d6    | 5.989  | 67   | 213941   | 21.198  | ug/L  | 0.00     |
| 41) Toluene-d8                | 7.243  | 98   | 583934   | 20.628  | ug/L  | 0.00     |
| 43) trans-1,3-Dichloroprop... | 7.551  | 79   | 79449    | 19.779  | ug/L  | 0.00     |
| 46) 2-Hexanone-d5             | 8.024  | 63   | 342992   | 215.806 | ug/L  | 0.00     |
| 56) 1,1,2,2-Tetrachloroeth... | 10.152 | 84   | 131379   | 19.531  | ug/L  | 0.00     |
| 66) 1,2-Dichlorobenzene-d4    | 11.561 | 152  | 209622   | 19.462  | ug/L  | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) Dichlorodifluoromethane    | 1.108  | 85   | 266007   | 21.195  | ug/L  | 98       |
| 3) Chloromethane              | 1.217  | 50   | 313440   | 22.672  | ug/L  | 99       |
| 5) Vinyl chloride             | 1.285  | 62   | 304702   | 22.937  | ug/L  | 99       |
| 6) Bromomethane               | 1.490  | 94   | 152857   | 20.902  | ug/L  | 98       |
| 8) Chloroethane               | 1.552  | 64   | 183588   | 22.491  | ug/L  | 99       |
| 9) Trichlorofluoromethane     | 1.715  | 101  | 369957   | 22.654  | ug/L  | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.069  | 101  | 204412   | 21.011  | ug/L  | 99       |
| 12) 1,1-Dichloroethene        | 2.072  | 96   | 200214   | 22.399  | ug/L  | 98       |
| 13) Acetone                   | 2.159  | 43   | 277177   | 152.303 | ug/L  | 92       |
| 14) Carbon disulfide          | 2.243  | 76   | 753358   | 26.404  | ug/L  | 100      |
| 15) Methyl Acetate            | 2.391  | 43   | 83979    | 17.146  | ug/L  | 100      |
| 16) Methylene chloride        | 2.449  | 84   | 223273   | 20.140  | ug/L  | 98       |
| 17) Methyl tert-butyl Ether   | 2.706  | 73   | 482196   | 20.101  | ug/L  | 99       |
| 18) trans-1,2-Dichloroethene  | 2.696  | 96   | 232067   | 23.254  | ug/L  | 99       |
| 19) 1,1-Dichloroethane        | 3.114  | 63   | 460990   | 21.473  | ug/L  | 99       |
| 21) 2-Butanone                | 3.895  | 43   | 463203   | 188.869 | ug/L  | 96       |
| 22) cis-1,2-Dichloroethene    | 3.815  | 96   | 244472   | 21.850  | ug/L  | 96       |
| 23) Bromochloromethane        | 4.149  | 128  | 90565    | 21.146  | ug/L  | 97       |
| 25) Chloroform                | 4.278  | 83   | 425951   | 21.335  | ug/L  | 100      |
| 27) 1,2-Dichloroethane        | 5.043  | 62   | 250660   | 21.672  | ug/L  | 99       |
| 29) 1,1,1-Trichloroethane     | 4.513  | 97   | 378950   | 22.022  | ug/L  | 99       |
| 30) Cyclohexane               | 4.584  | 56   | 440743   | 23.389  | ug/L  | 98       |
| 31) Carbon tetrachloride      | 4.735  | 117  | 326824   | 23.098  | ug/L  | 98       |
| 33) Benzene                   | 5.011  | 78   | 948066   | 22.570  | ug/L  | 100      |
| 34) Trichloroethene           | 5.831  | 95   | 249962   | 22.222  | ug/L  | 98       |
| 35) Methylcyclohexane         | 6.050  | 83   | 417948   | 23.023  | ug/L  | 98       |
| 37) 1,2-Dichloropropane       | 6.091  | 63   | 240759   | 21.874  | ug/L  | 99       |
| 38) Bromodichloromethane      | 6.432  | 83   | 293859   | 21.773  | ug/L  | 100      |
| 39) cis-1,3-Dichloropropene   | 6.953  | 75   | 357900   | 21.836  | ug/L  | 98       |
| 40) 4-Methyl-2-pentanone      | 7.159  | 43   | 1132778  | 196.499 | ug/L  | 99       |
| 42) Toluene                   | 7.313  | 91   | 1001449  | 22.354  | ug/L  | 99       |
| 44) trans-1,3-Dichloropropene | 7.580  | 75   | 284726   | 22.333  | ug/L  | 99       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV011224\  
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 Operator : SY/MD  
 Sample : VSTD020  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 7 Sample Multiplier: 1

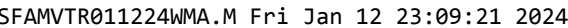
Instrument :  
 MSVOA\_V  
 ClientSampleId :

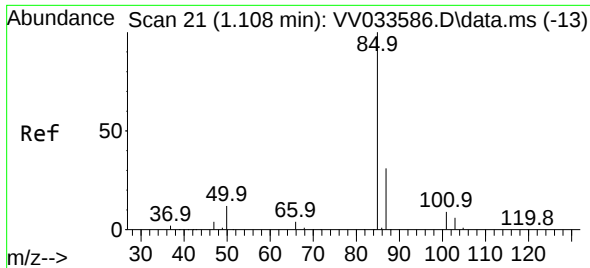
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR011224WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Fri Jan 12 23:05:58 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| 45) 1,1,2-Trichloroethane     | 7.770  | 97   | 134084   | 20.468  | ug/L  | 98       |
| 47) Tetrachloroethene         | 7.905  | 164  | 182924   | 22.960  | ug/L  | 99       |
| 48) 2-Hexanone                | 8.075  | 43   | 796895   | 188.547 | ug/L  | 99       |
| 49) Dibromochloromethane      | 8.175  | 129  | 168980   | 21.887  | ug/L  | 99       |
| 50) 1,2-Dibromoethane         | 8.281  | 107  | 125214   | 20.578  | ug/L  | 96       |
| 51) Chlorobenzene             | 8.812  | 112  | 611519   | 21.959  | ug/L  | 99       |
| 52) Ethylbenzene              | 8.943  | 91   | 1143038  | 21.792  | ug/L  | 99       |
| 53) m,p-Xylene                | 9.072  | 106  | 422448   | 21.823  | ug/L  | 99       |
| 54) o-Xylene                  | 9.477  | 106  | 413546   | 21.890  | ug/L  | 100      |
| 55) Styrene                   | 9.497  | 104  | 666491   | 21.363  | ug/L  | 100      |
| 57) 1,1,2,2-Tetrachloroethane | 10.178 | 83   | 148311   | 20.521  | ug/L  | 98       |
| 59) Bromoform                 | 9.664  | 173  | 87484    | 20.568  | ug/L  | 99       |
| 60) Isopropylbenzene          | 9.866  | 105  | 1053631  | 19.496  | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 10.210 | 75   | 112115   | 19.865  | ug/L  | 97       |
| 62) 1,3,5-Trimethylbenzene    | 10.474 | 105  | 930137   | 20.314  | ug/L  | 99       |
| 63) 1,2,4-Trimethylbenzene    | 10.850 | 105  | 953271   | 21.005  | ug/L  | 100      |
| 64) 1,3-Dichlorobenzene       | 11.117 | 146  | 479266   | 20.662  | ug/L  | 99       |
| 65) 1,4-Dichlorobenzene       | 11.207 | 146  | 459054   | 19.534  | ug/L  | 99       |
| 67) 1,2-Dichlorobenzene       | 11.580 | 146  | 415978   | 20.490  | ug/L  | 98       |
| 68) 1,2-Dibromo-3-chloropr... | 12.365 | 75   | 27035    | 20.721  | ug/L  | 95       |
| 69) 1,3,5-Trichlorobenzene    | 12.583 | 180  | 382152   | 21.436  | ug/L  | 100      |
| 70) 1,2,4-trichlorobenzene    | 13.197 | 180  | 308616   | 20.739  | ug/L  | 99       |
| 71) Naphthalene               | 13.438 | 128  | 417678   | 20.293  | ug/L  | 100      |
| 72) 1,2,3-Trichlorobenzene    | 13.680 | 180  | 244843   | 20.996  | ug/L  | 99       |
| -----                         |        |      |          |         |       |          |

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

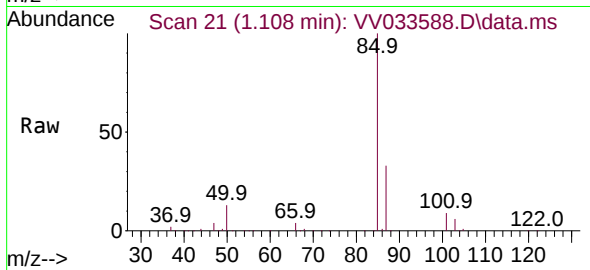
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Quant Title : TRACE VOA SFAM1.0  
QLast Update : Fri Jan 12 23:05:58 2024  
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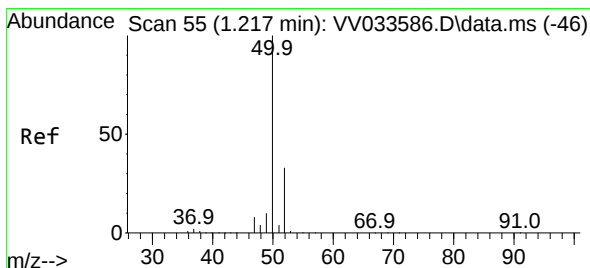
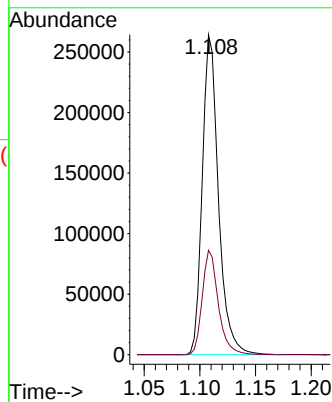
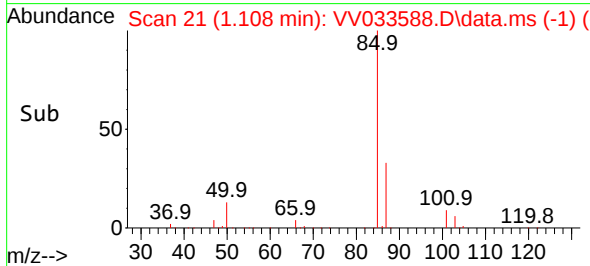


#2  
 Dichlorodifluoromethane  
 Concen: 21.195 ug/L  
 RT: 1.108 min Scan# 21  
 Delta R.T. -0.000 min  
 Lab File: VV033588.D  
 Acq: 12 Jan 2024 11:41

Instrument :  
 MSVOA\_V  
 ClientSampleId :

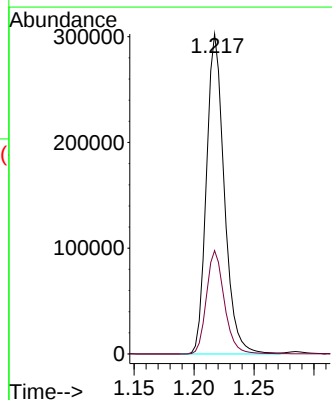
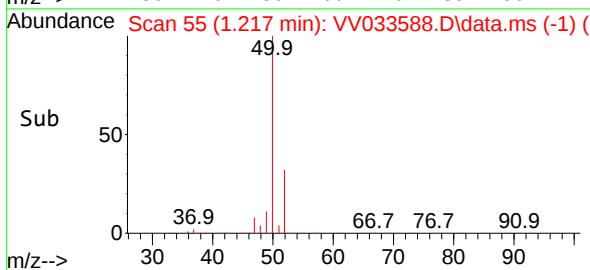
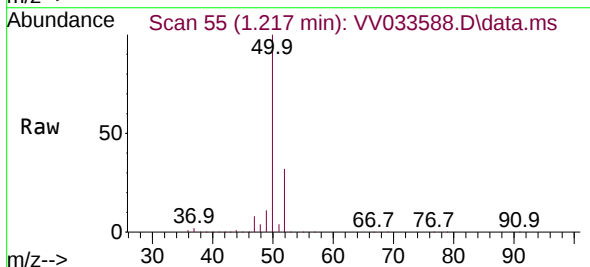


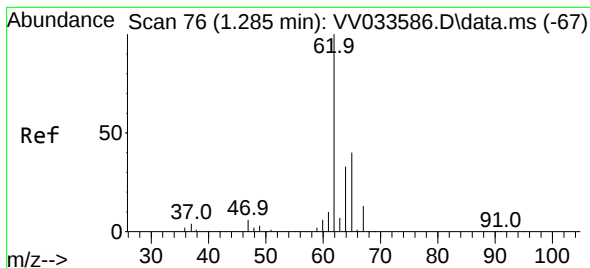
Tgt Ion: 85 Resp: 266007  
 Ion Ratio Lower Upper  
 85 100  
 87 32.4 25.2 37.8



#3  
 Chloromethane  
 Concen: 22.672 ug/L  
 RT: 1.217 min Scan# 55  
 Delta R.T. -0.000 min  
 Lab File: VV033588.D  
 Acq: 12 Jan 2024 11:41

Tgt Ion: 50 Resp: 313440  
 Ion Ratio Lower Upper  
 50 100  
 52 32.3 23.1 42.9





#5

Vinyl chloride

Concen: 22.937 ug/L

RT: 1.285 min Scan# 76

Delta R.T. -0.000 min

Lab File: VV033588.D

Acq: 12 Jan 2024 11:41

Instrument :

MSVOA\_V

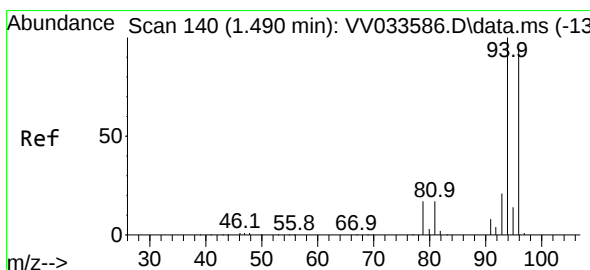
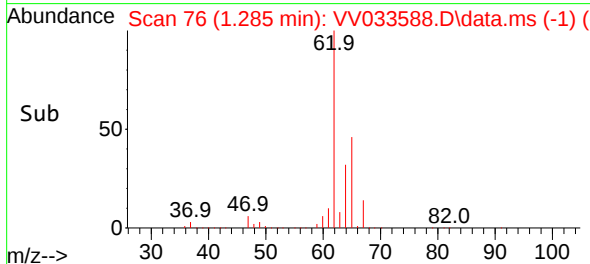
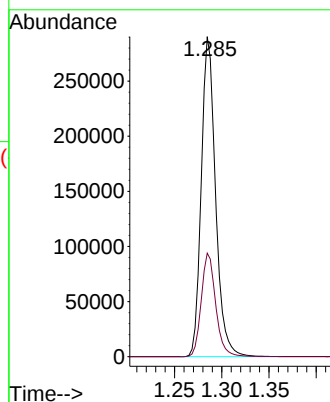
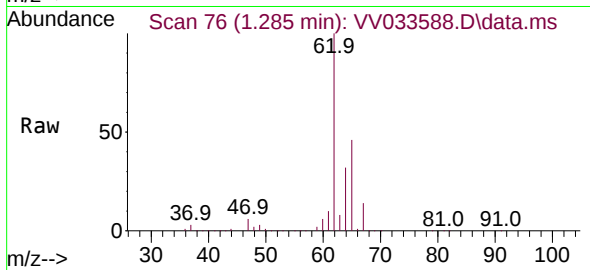
ClientSampleId :

Tgt Ion: 62 Resp: 304702

Ion Ratio Lower Upper

62 100

64 32.3 23.0 42.8



#6

Bromomethane

Concen: 20.902 ug/L

RT: 1.490 min Scan# 140

Delta R.T. -0.000 min

Lab File: VV033588.D

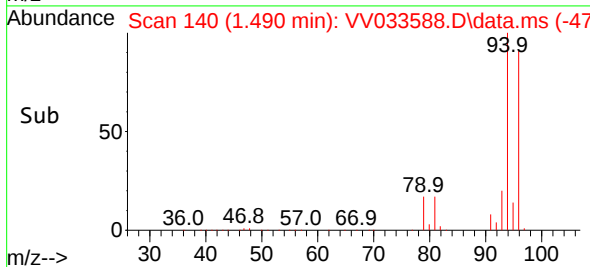
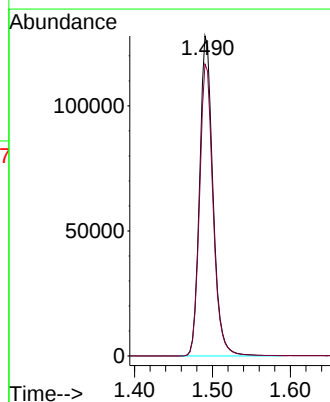
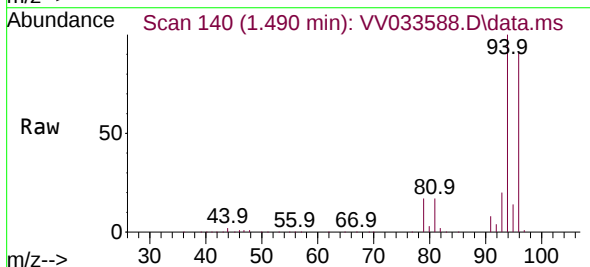
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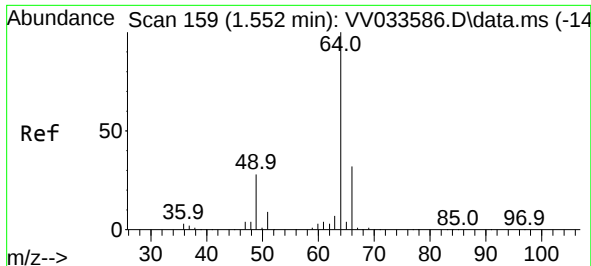
Tgt Ion: 94 Resp: 152857

Ion Ratio Lower Upper

94 100

96 91.2 65.5 121.6

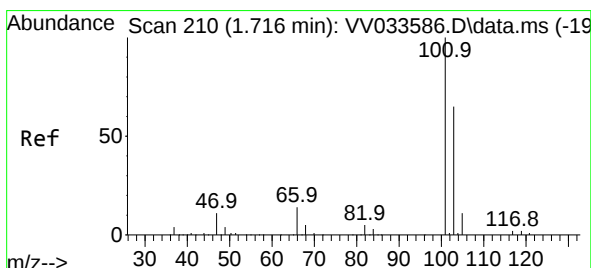
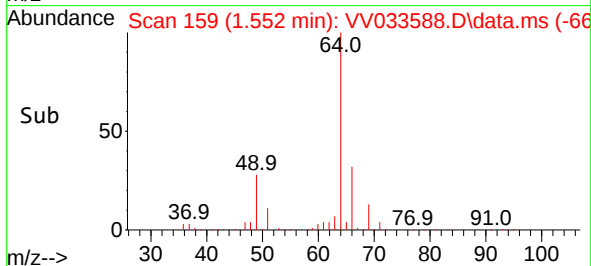
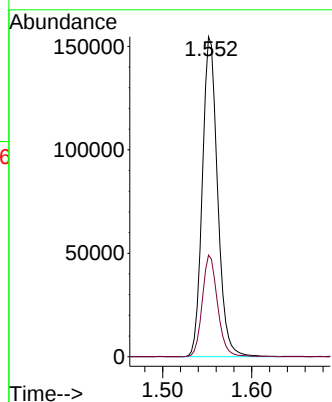
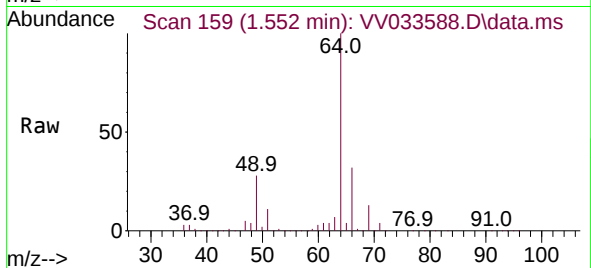




#8  
Chloroethane  
Concen: 22.491 ug/L  
RT: 1.552 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VV033588.D  
Acq: 12 Jan 2024 11:41

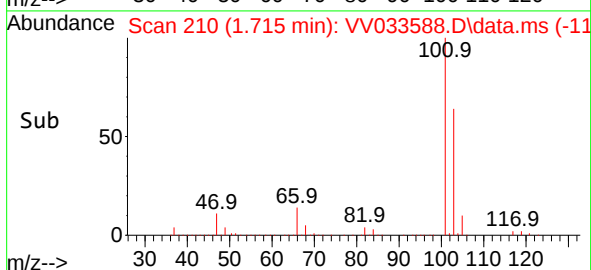
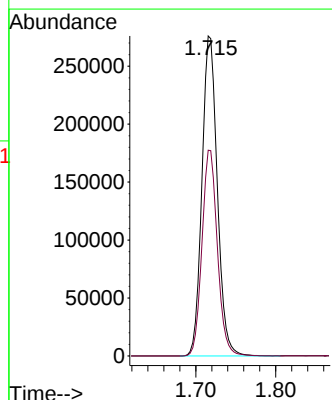
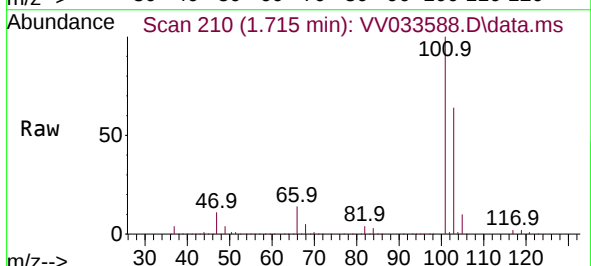
Instrument :  
MSVOA\_V  
ClientSampleId :

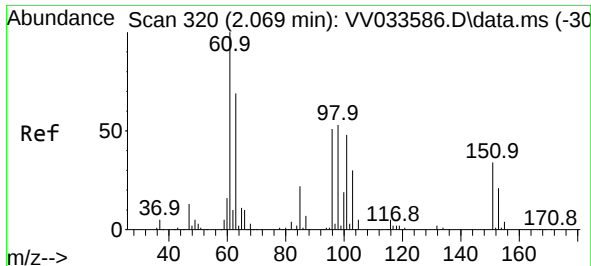
Tgt Ion: 64 Resp: 183588  
Ion Ratio Lower Upper  
64 100  
66 31.8 22.6 42.0



#9  
Trichlorofluoromethane  
Concen: 22.654 ug/L  
RT: 1.715 min Scan# 210  
Delta R.T. -0.000 min  
Lab File: VV033588.D  
Acq: 12 Jan 2024 11:41

Tgt Ion:101 Resp: 369957  
Ion Ratio Lower Upper  
101 100  
103 64.5 52.1 78.1

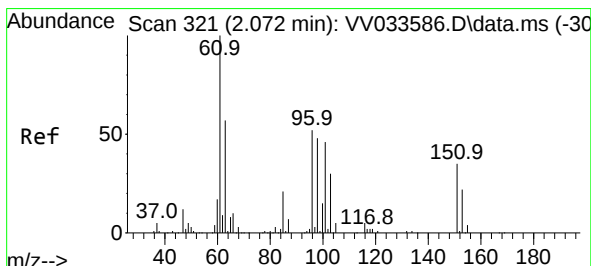
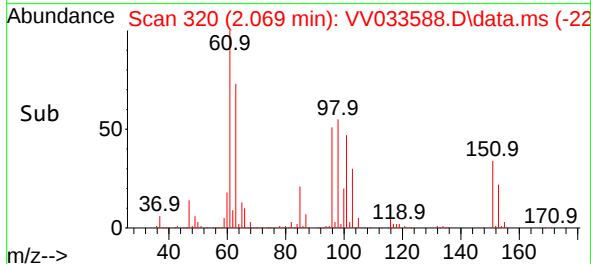
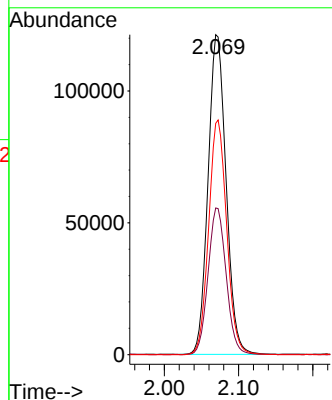
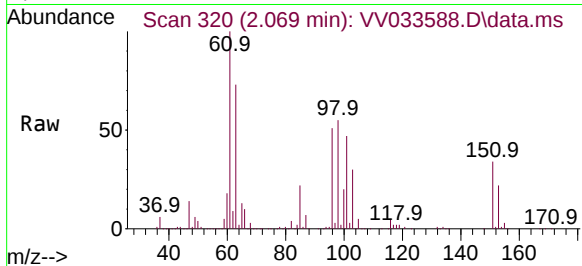




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 21.011 ug/L  
 RT: 2.069 min Scan# 31  
 Delta R.T. -0.000 min  
 Lab File: VV033588.D  
 Acq: 12 Jan 2024 11:41

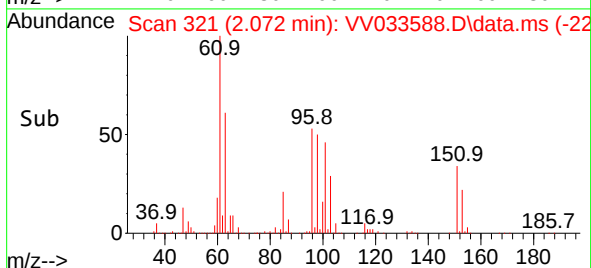
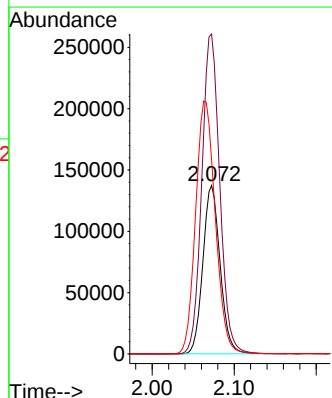
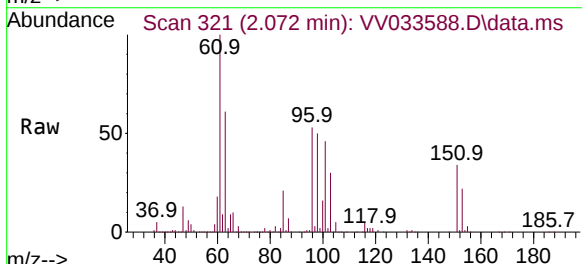
Instrument :  
 MSVOA\_V  
 ClientSampleId :

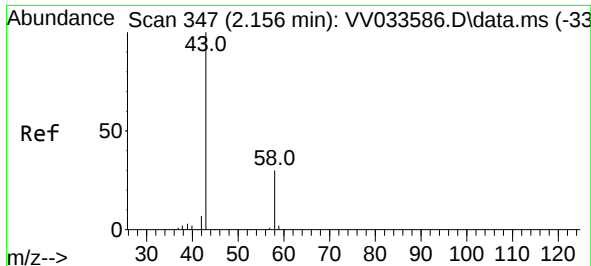
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 Ion Ratio Lower Upper  
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 85 46.3 36.4 54.6  
 151 73.6 58.1 87.1



#12  
 1,1-Dichloroethene  
 Concen: 22.399 ug/L  
 RT: 2.072 min Scan# 321  
 Delta R.T. -0.000 min  
 Lab File: VV033588.D  
 Acq: 12 Jan 2024 11:41

Tgt Ion: 96 Resp: 200214  
 Ion Ratio Lower Upper  
 96 100  
 61 189.9 133.8 248.4  
 63 115.5 77.2 143.4





#13

Acetone

Concen: 152.303 ug/L

RT: 2.159 min Scan# 34

Delta R.T. 0.003 min

Lab File: VV033588.D

Acq: 12 Jan 2024 11:41

Instrument :

MSVOA\_V

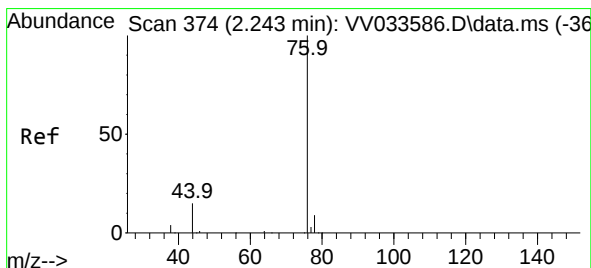
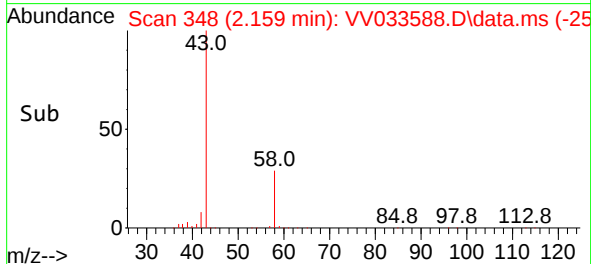
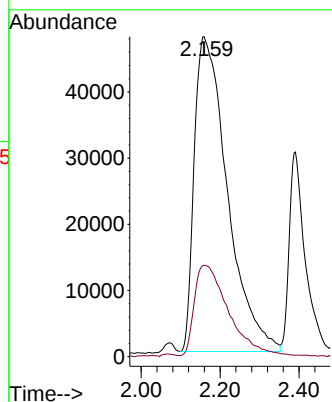
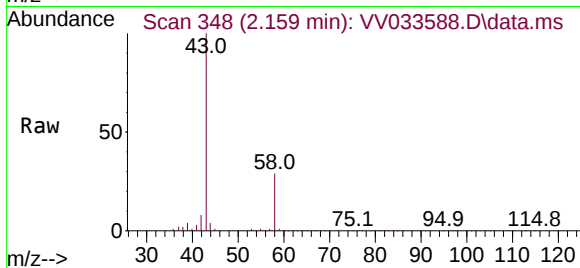
ClientSampleId :

Tgt Ion: 43 Resp: 277177

Ion Ratio Lower Upper

43 100

58 29.8 0.0 51.0



#14

Carbon disulfide

Concen: 26.404 ug/L

RT: 2.243 min Scan# 374

Delta R.T. -0.000 min

Lab File: VV033588.D

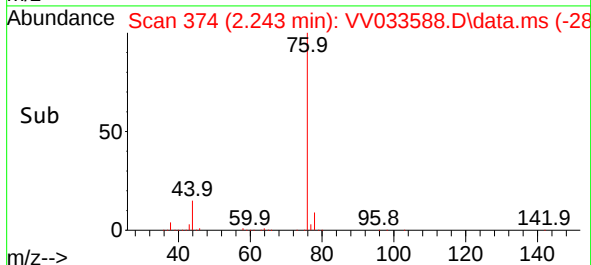
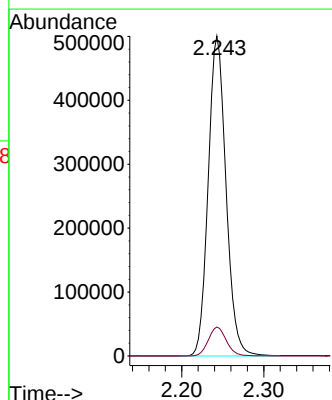
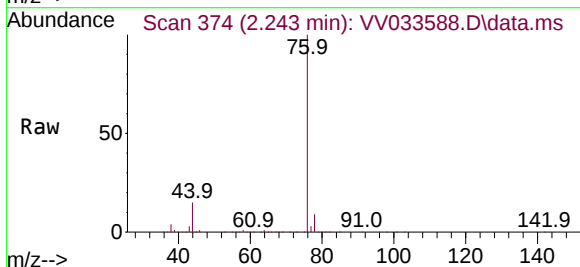
Acq: 12 Jan 2024 11:41

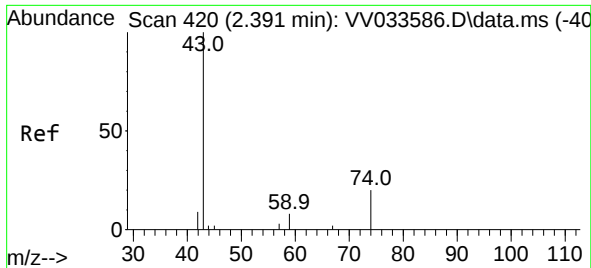
Tgt Ion: 76 Resp: 753358

Ion Ratio Lower Upper

76 100

78 9.0 7.1 10.7

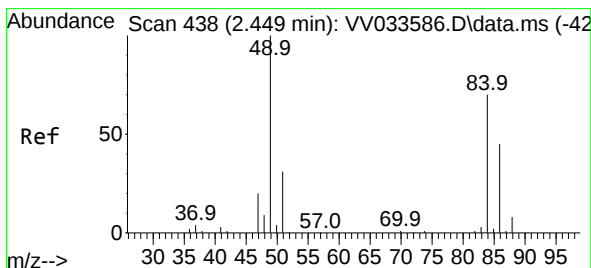
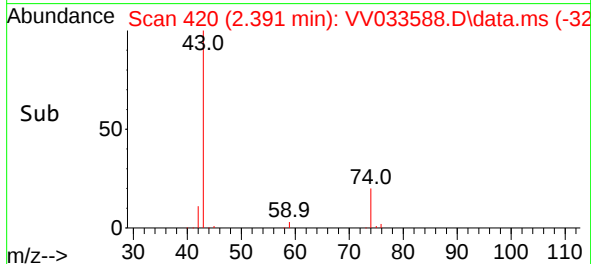
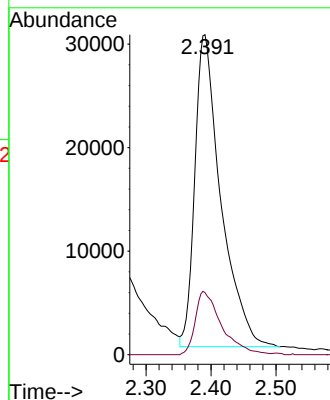
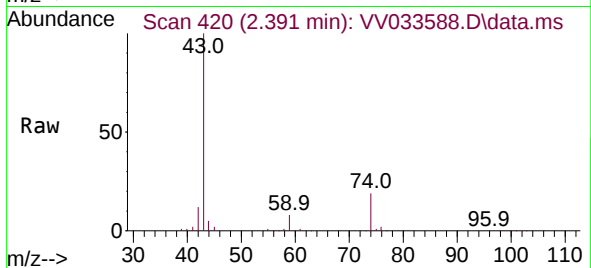




#15  
Methyl Acetate  
Concen: 17.146 ug/L  
RT: 2.391 min Scan# 41  
Delta R.T. -0.000 min  
Lab File: VV033588.D  
Acq: 12 Jan 2024 11:41

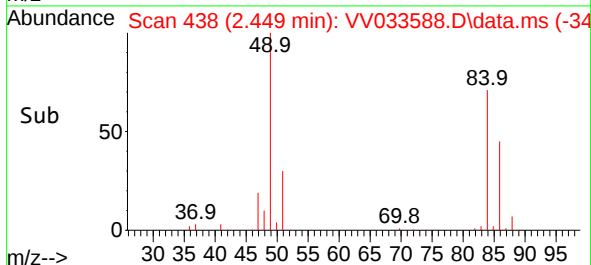
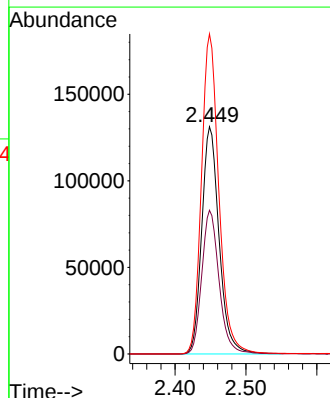
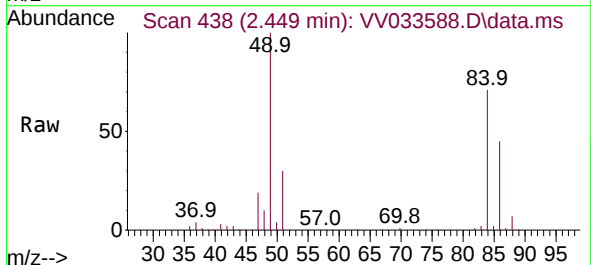
Instrument :  
MSVOA\_V  
ClientSampleId :

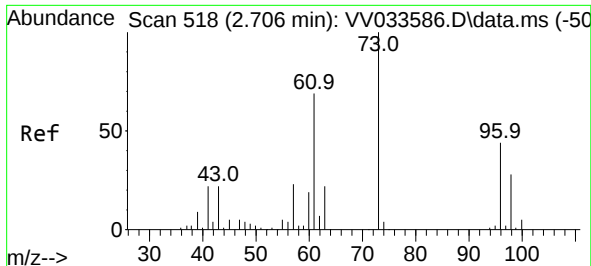
Tgt Ion: 43 Resp: 83979  
Ion Ratio Lower Upper  
43 100  
74 20.5 16.6 24.8



#16  
Methylene chloride  
Concen: 20.140 ug/L  
RT: 2.449 min Scan# 438  
Delta R.T. -0.000 min  
Lab File: VV033588.D  
Acq: 12 Jan 2024 11:41

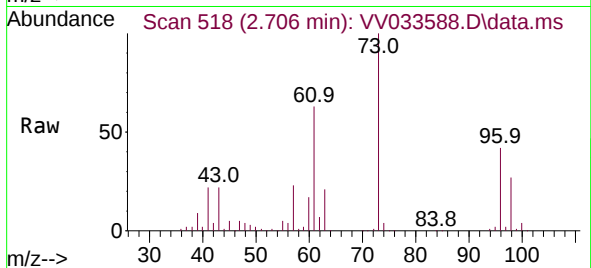
Tgt Ion: 84 Resp: 223273  
Ion Ratio Lower Upper  
84 100  
86 63.2 45.5 84.5  
49 140.8 100.3 186.3



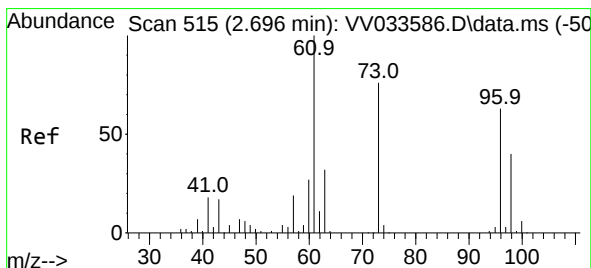
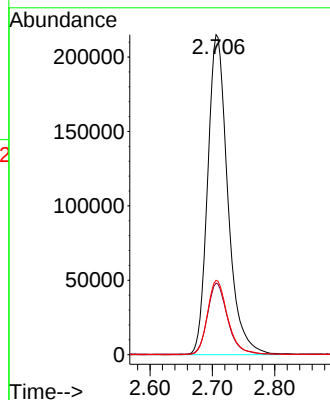
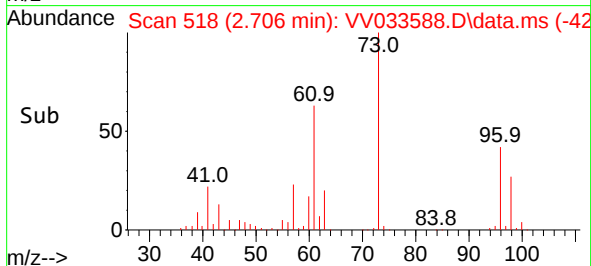


#17  
Methyl tert-butyl Ether  
Concen: 20.101 ug/L  
RT: 2.706 min Scan# 518  
Delta R.T. -0.000 min  
Lab File: VV033588.D  
Acq: 12 Jan 2024 11:41

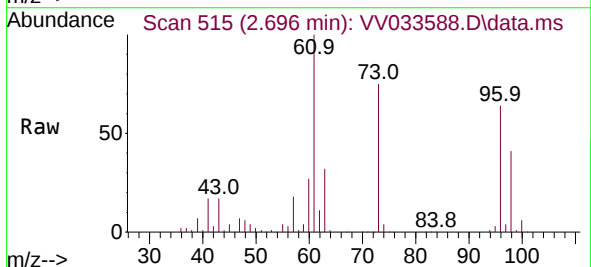
Instrument :  
MSVOA\_V  
ClientSampleId :



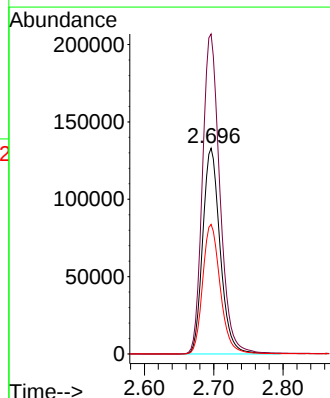
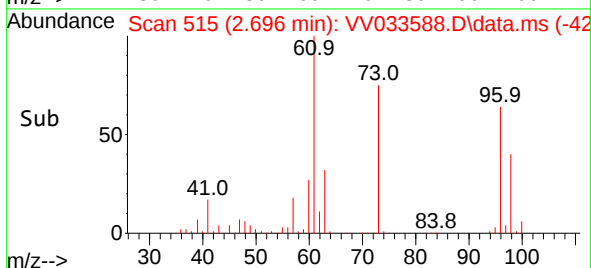
Tgt Ion: 73 Resp: 482196  
Ion Ratio Lower Upper  
73 100  
43 22.0 17.7 26.5  
57 23.3 19.5 29.3

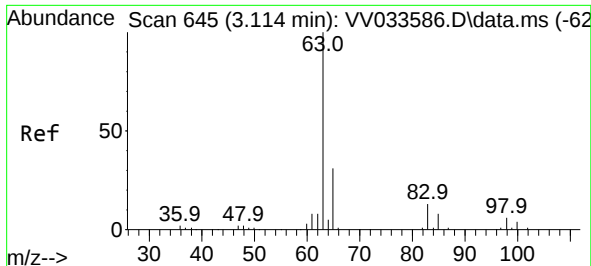


#18  
trans-1,2-Dichloroethene  
Concen: 23.254 ug/L  
RT: 2.696 min Scan# 515  
Delta R.T. -0.000 min  
Lab File: VV033588.D  
Acq: 12 Jan 2024 11:41



Tgt Ion: 96 Resp: 232067  
Ion Ratio Lower Upper  
96 100  
61 155.5 110.4 205.0  
98 63.0 44.1 81.9





#19

1,1-Dichloroethane

Concen: 21.473 ug/L

RT: 3.114 min Scan# 64

Delta R.T. -0.000 min

Lab File: VV033588.D

Acq: 12 Jan 2024 11:41

Instrument :

MSVOA\_V

ClientSampleId :

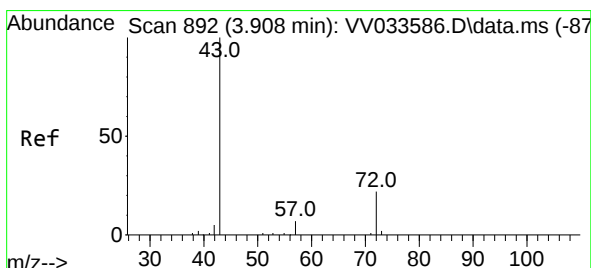
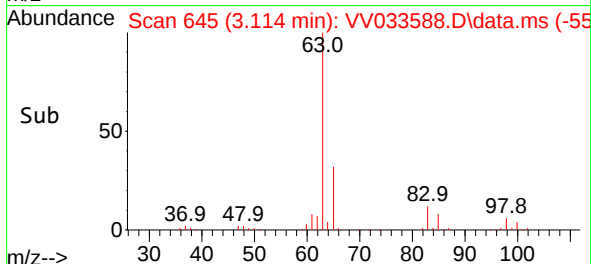
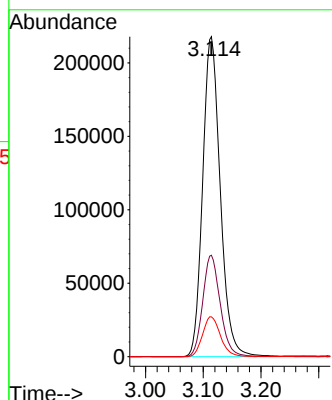
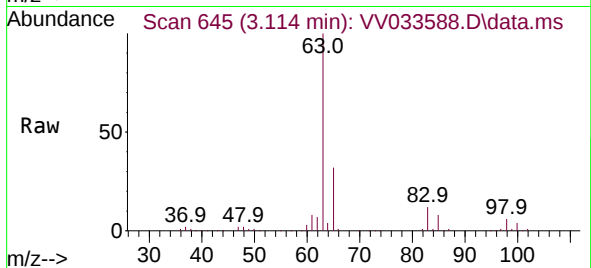
Tgt Ion: 63 Resp: 460990

Ion Ratio Lower Upper

63 100

65 31.7 21.6 40.2

83 12.4 9.1 16.9



#21

2-Butanone

Concen: 188.869 ug/L

RT: 3.895 min Scan# 888

Delta R.T. -0.013 min

Lab File: VV033588.D

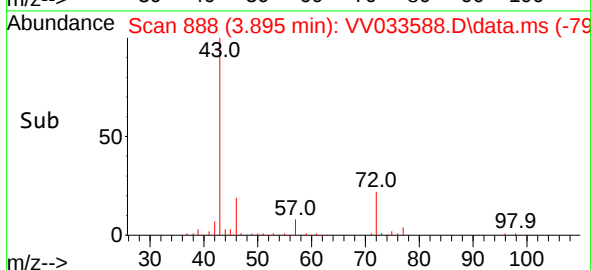
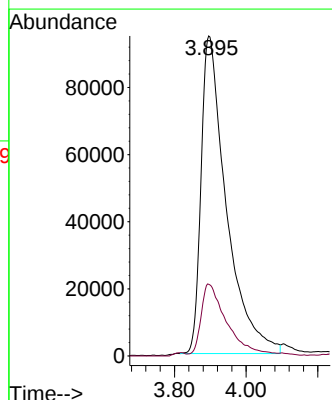
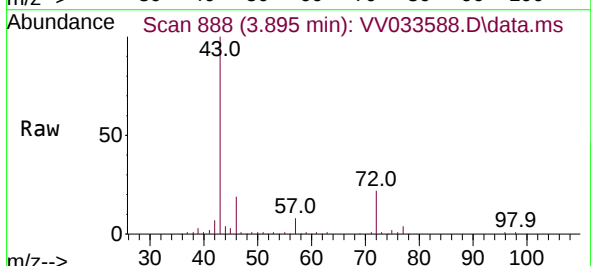
Acq: 12 Jan 2024 11:41

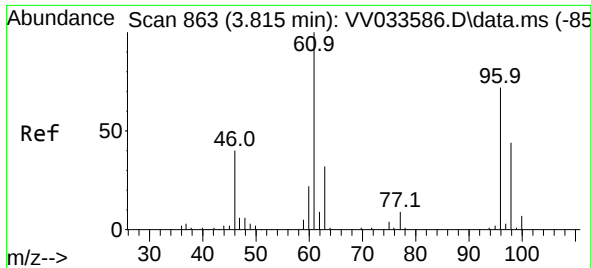
Tgt Ion: 43 Resp: 463203

Ion Ratio Lower Upper

43 100

72 22.9 10.5 31.6





#22

cis-1,2-Dichloroethene

Concen: 21.850 ug/L

RT: 3.815 min Scan# 863

Delta R.T. -0.000 min

Lab File: VV033588.D

Acq: 12 Jan 2024 11:41

Instrument :

MSVOA\_V

ClientSampleId :

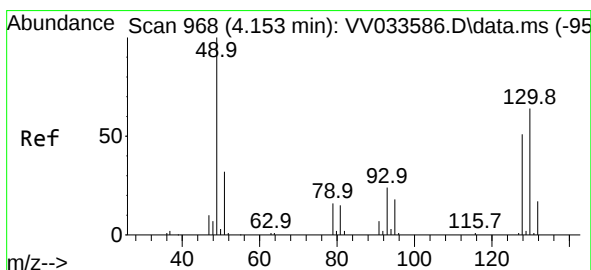
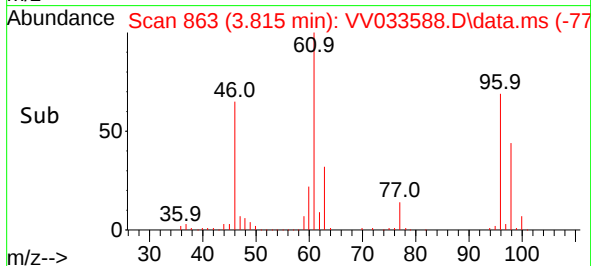
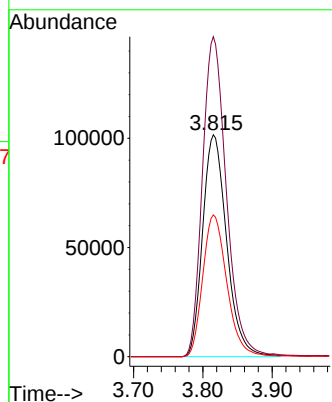
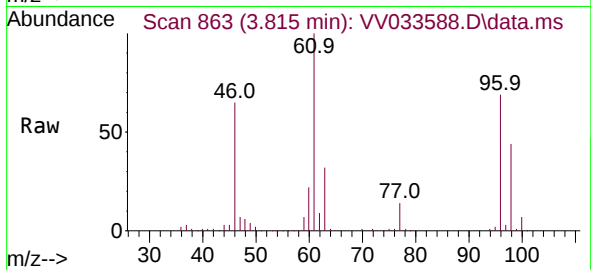
Tgt Ion: 96 Resp: 244472

Ion Ratio Lower Upper

96 100

61 144.2 97.1 180.3

98 63.9 42.6 79.0



#23

Bromochloromethane

Concen: 21.146 ug/L

RT: 4.149 min Scan# 967

Delta R.T. -0.003 min

Lab File: VV033588.D

Acq: 12 Jan 2024 11:41

Tgt Ion: 128 Resp: 90565

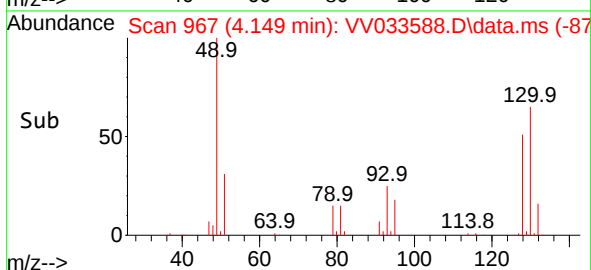
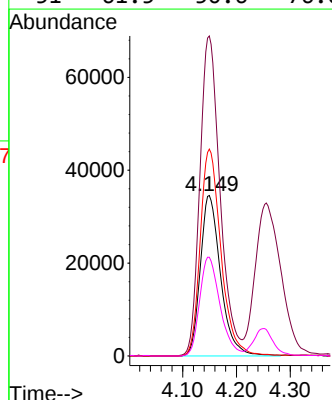
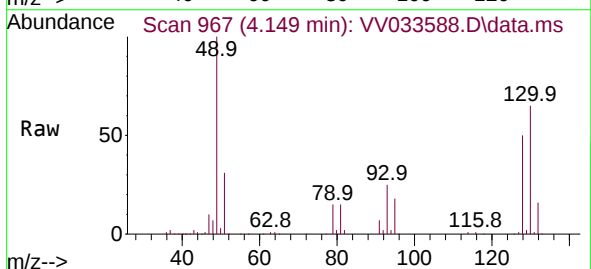
Ion Ratio Lower Upper

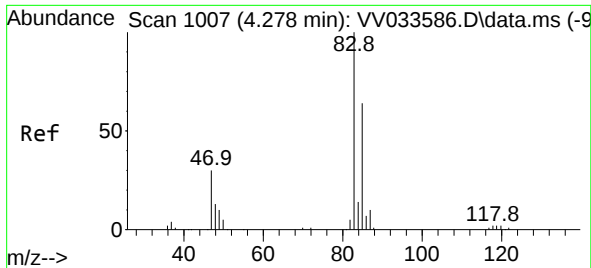
128 100

49 199.4 136.4 253.2

130 128.9 87.5 162.5

51 61.5 50.6 76.0

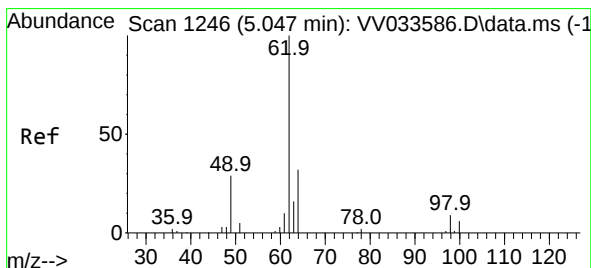
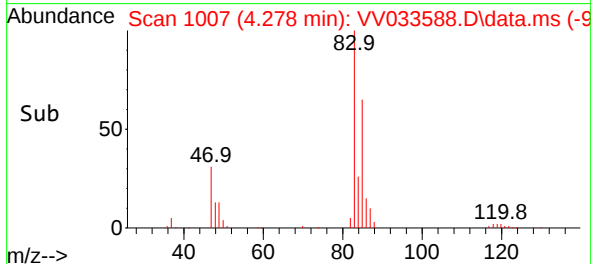
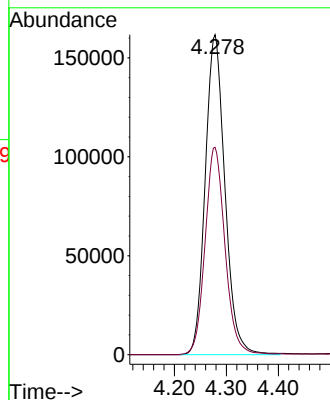
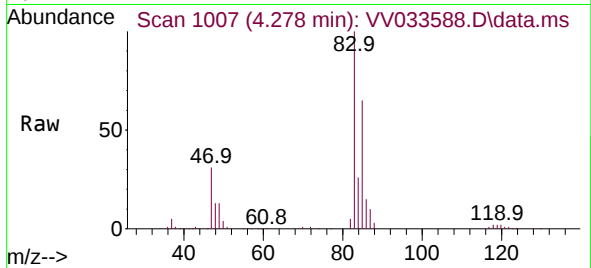




#25  
Chloroform  
Concen: 21.335 ug/L  
RT: 4.278 min Scan# 1007  
Delta R.T. -0.000 min  
Lab File: VV033588.D  
Acq: 12 Jan 2024 11:41

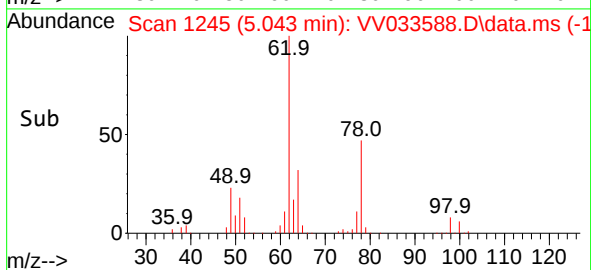
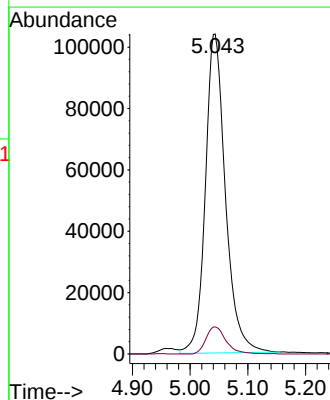
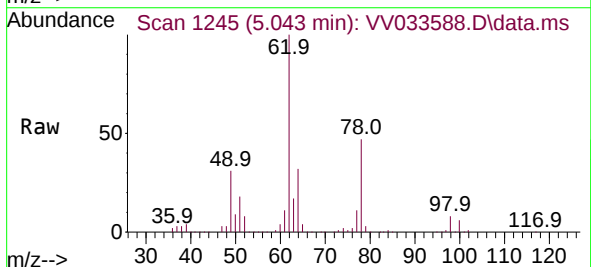
Instrument :  
MSVOA\_V  
ClientSampleId :

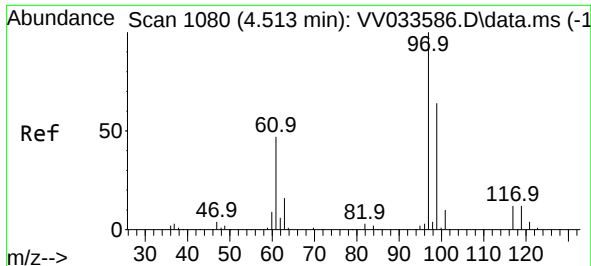
Tgt Ion: 83 Resp: 425951  
Ion Ratio Lower Upper  
83 100  
85 64.8 45.1 83.9



#27  
1,2-Dichloroethane  
Concen: 21.672 ug/L  
RT: 5.043 min Scan# 1245  
Delta R.T. -0.003 min  
Lab File: VV033588.D  
Acq: 12 Jan 2024 11:41

Tgt Ion: 62 Resp: 250660  
Ion Ratio Lower Upper  
62 100  
98 8.4 7.0 10.6





#29

1,1,1-Trichloroethane

Concen: 22.022 ug/L

RT: 4.513 min Scan# 1080

Delta R.T. -0.000 min

Lab File: VV033588.D

Acq: 12 Jan 2024 11:41

Instrument :

MSVOA\_V

ClientSampleId :

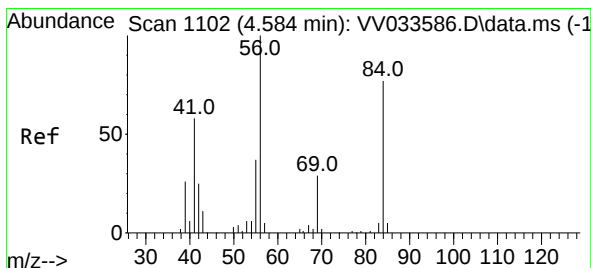
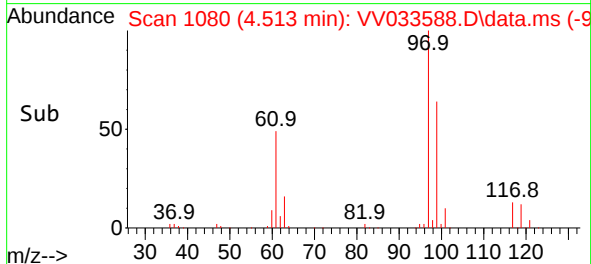
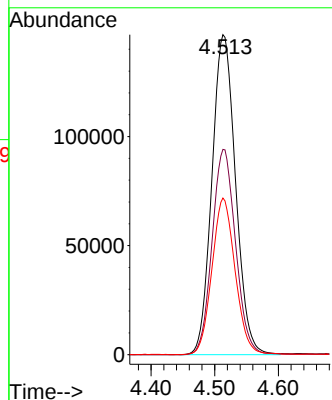
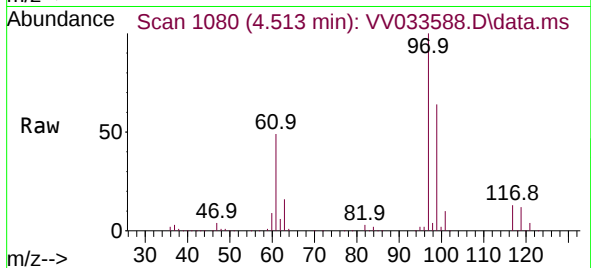
Tgt Ion: 97 Resp: 378950

Ion Ratio Lower Upper

97 100

99 63.7 50.8 76.2

61 48.2 38.1 57.1



#30

Cyclohexane

Concen: 23.389 ug/L

RT: 4.584 min Scan# 1102

Delta R.T. -0.000 min

Lab File: VV033588.D

Acq: 12 Jan 2024 11:41

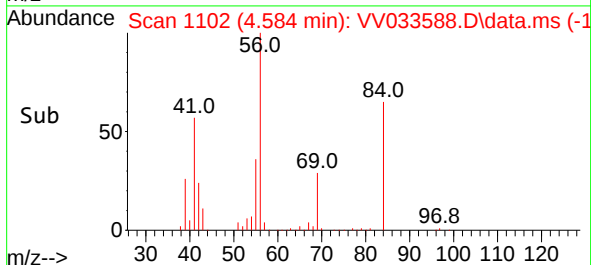
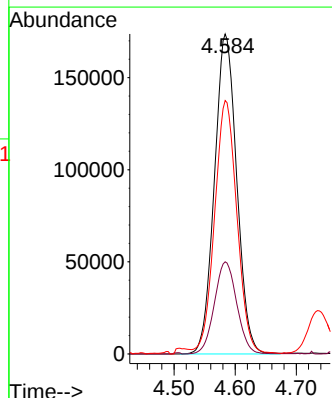
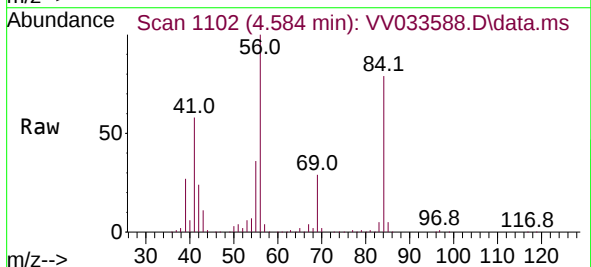
Tgt Ion: 56 Resp: 440743

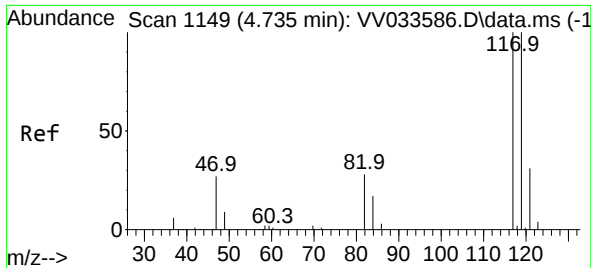
Ion Ratio Lower Upper

56 100

69 28.9 23.3 34.9

84 79.4 61.7 92.5

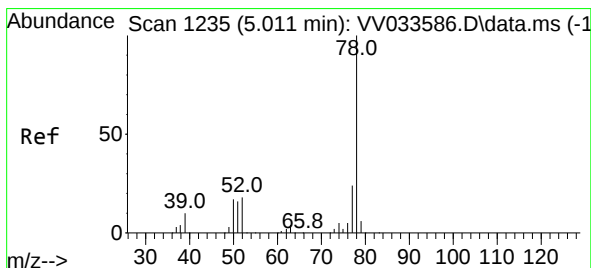
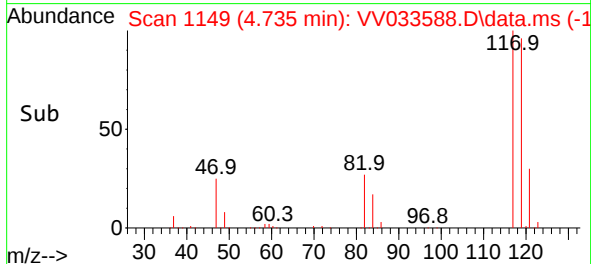
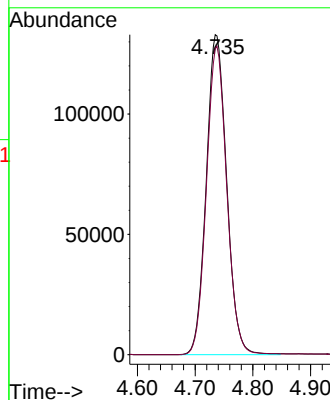
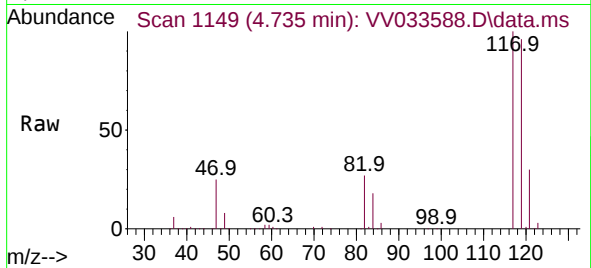




#31  
Carbon tetrachloride  
Concen: 23.098 ug/L  
RT: 4.735 min Scan# 1149  
Delta R.T. -0.000 min  
Lab File: VV033588.D  
Acq: 12 Jan 2024 11:41

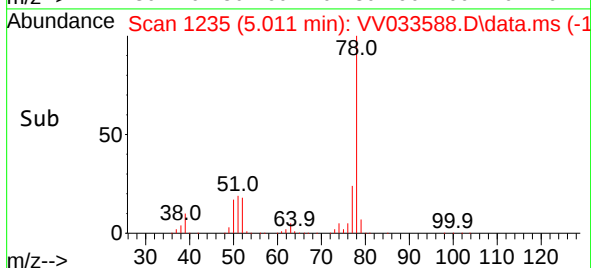
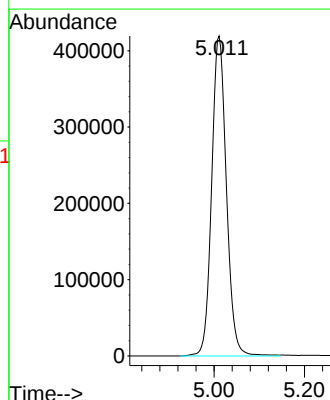
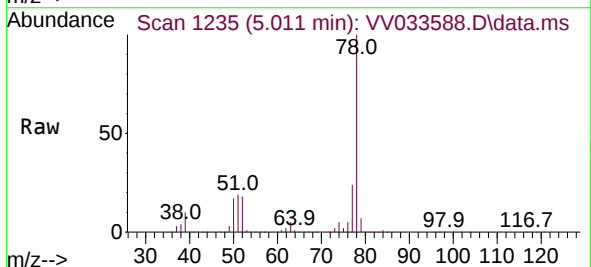
Instrument : MSVOA\_V  
ClientSampleId :

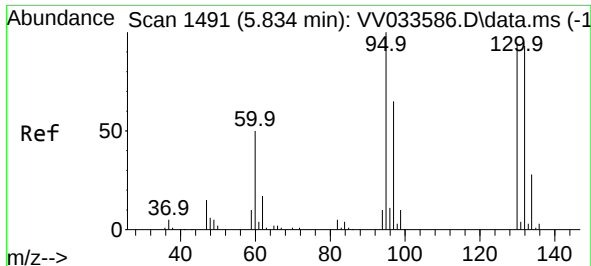
Tgt Ion:117 Resp: 326824  
Ion Ratio Lower Upper  
117 100  
119 96.0 78.3 117.5



#33  
Benzene  
Concen: 22.570 ug/L  
RT: 5.011 min Scan# 1235  
Delta R.T. -0.000 min  
Lab File: VV033588.D  
Acq: 12 Jan 2024 11:41

Tgt Ion: 78 Resp: 948066

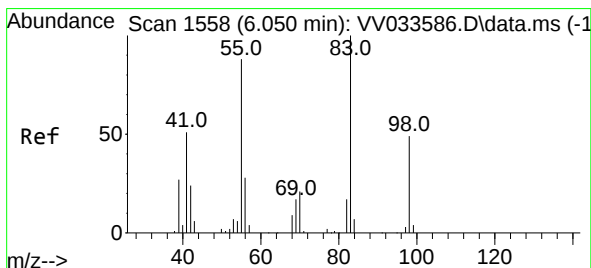
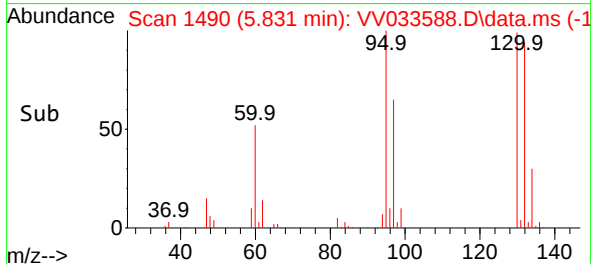
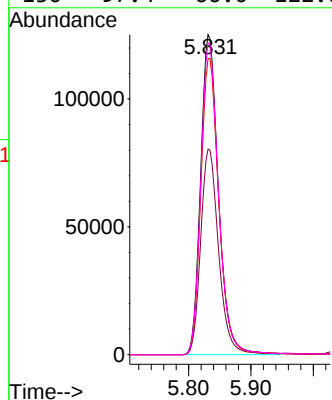
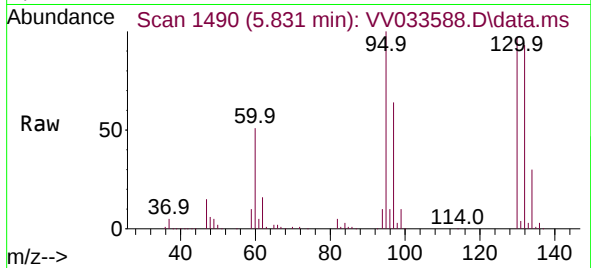




#34  
Trichloroethene  
Concen: 22.222 ug/L  
RT: 5.831 min Scan# 1490  
Delta R.T. -0.003 min  
Lab File: VV033588.D  
Acq: 12 Jan 2024 11:41

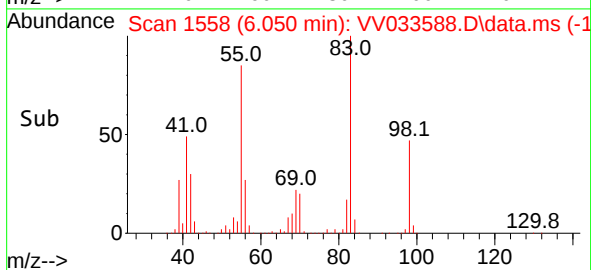
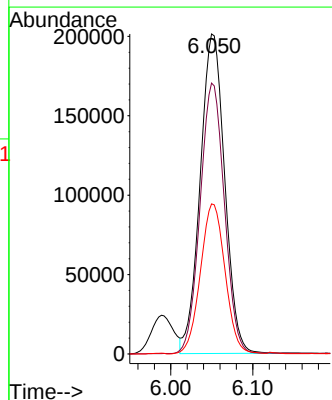
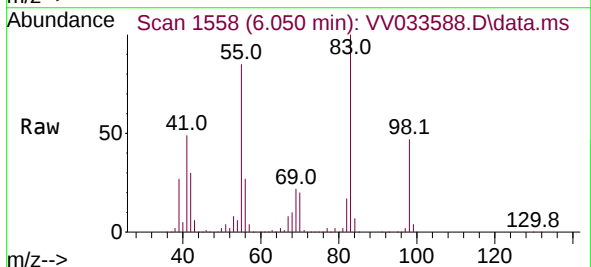
Instrument :  
MSVOA\_V  
ClientSampleId :

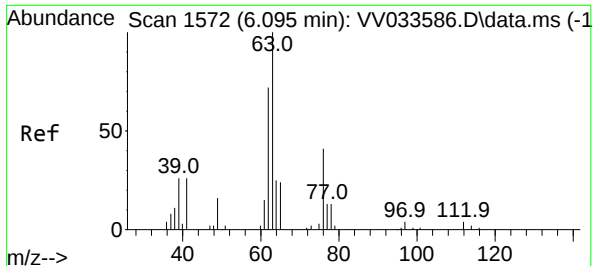
Tgt Ion: 95 Resp: 249962  
Ion Ratio Lower Upper  
95 100  
97 64.3 45.1 83.9  
132 92.5 65.2 121.2  
130 97.4 66.0 122.6



#35  
Methylcyclohexane  
Concen: 23.023 ug/L  
RT: 6.050 min Scan# 1558  
Delta R.T. -0.000 min  
Lab File: VV033588.D  
Acq: 12 Jan 2024 11:41

Tgt Ion: 83 Resp: 417948  
Ion Ratio Lower Upper  
83 100  
55 84.1 68.7 103.1  
98 47.3 38.3 57.5

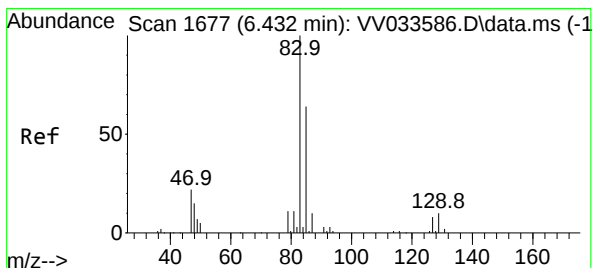
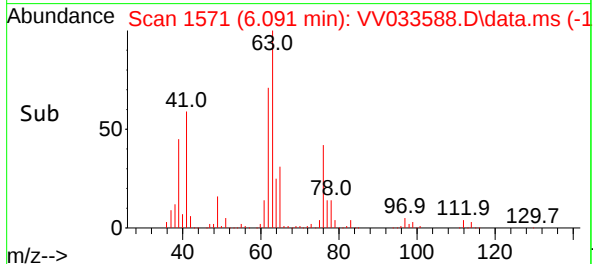
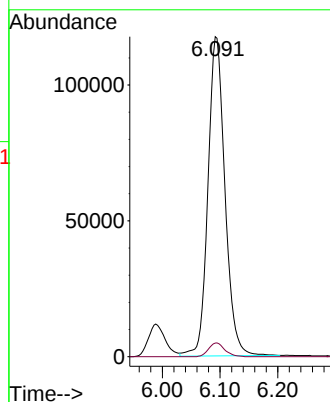
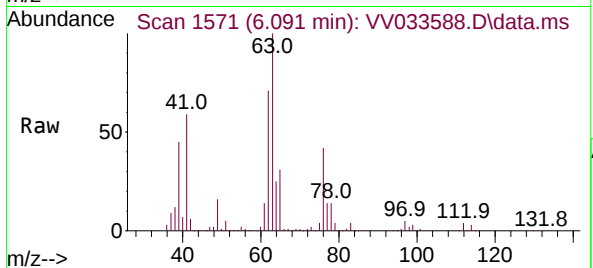




#37  
1,2-Dichloropropane  
Concen: 21.874 ug/L  
RT: 6.091 min Scan# 1571  
Delta R.T. -0.003 min  
Lab File: VV033588.D  
Acq: 12 Jan 2024 11:41

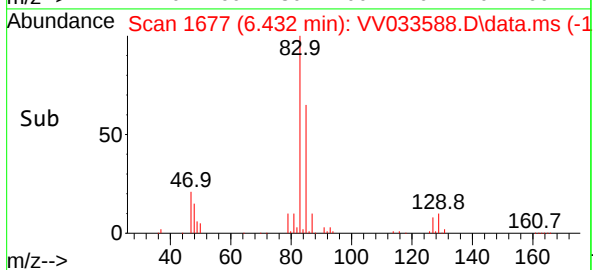
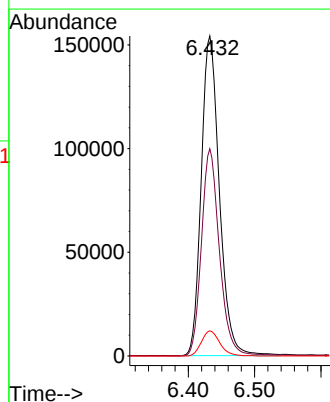
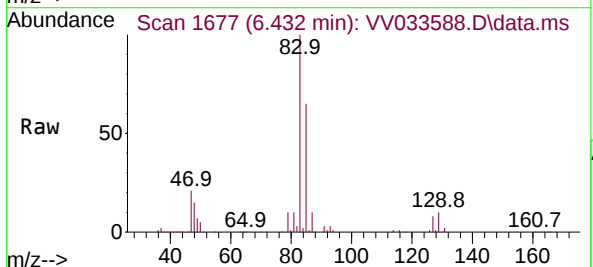
Instrument :  
MSVOA\_V  
ClientSampleId :

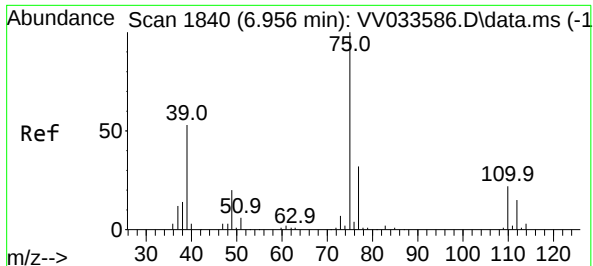
Tgt Ion: 63 Resp: 240759  
Ion Ratio Lower Upper  
63 100  
112 4.1 3.4 5.2



#38  
Bromodichloromethane  
Concen: 21.773 ug/L  
RT: 6.432 min Scan# 1677  
Delta R.T. -0.000 min  
Lab File: VV033588.D  
Acq: 12 Jan 2024 11:41

Tgt Ion: 83 Resp: 293859  
Ion Ratio Lower Upper  
83 100  
85 64.8 45.1 83.9  
127 7.9 6.6 9.8





#39

cis-1,3-Dichloropropene

Concen: 21.836 ug/L

RT: 6.953 min Scan# 11

Delta R.T. -0.003 min

Lab File: VV033588.D

Acq: 12 Jan 2024 11:41

Instrument :

MSVOA\_V

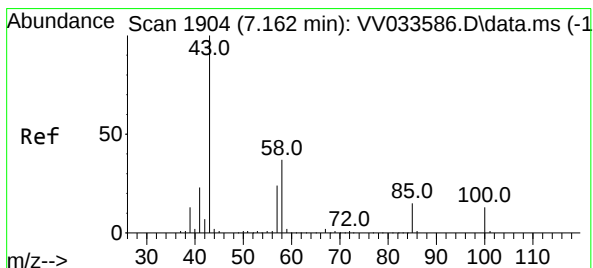
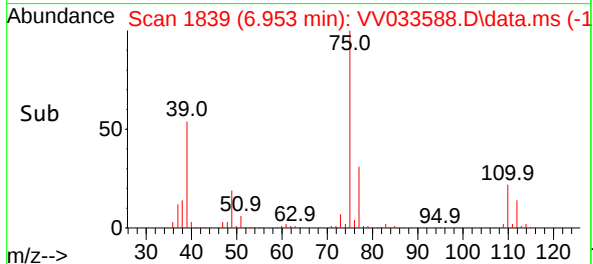
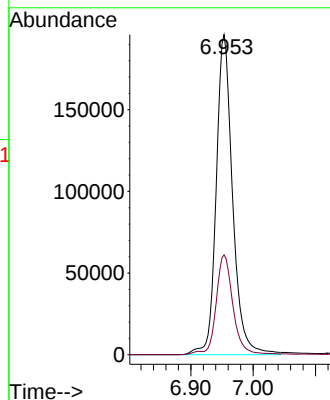
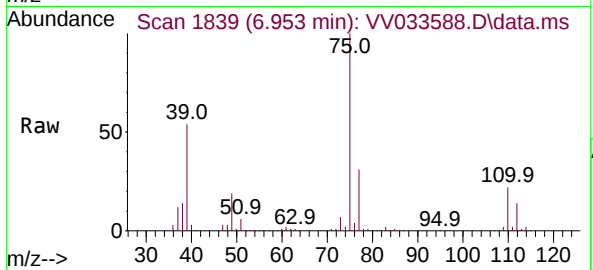
ClientSampleId :

Tgt Ion: 75 Resp: 357900

Ion Ratio Lower Upper

75 100

77 31.2 22.5 41.7



#40

4-Methyl-2-pentanone

Concen: 196.499 ug/L

RT: 7.159 min Scan# 1903

Delta R.T. -0.003 min

Lab File: VV033588.D

Acq: 12 Jan 2024 11:41

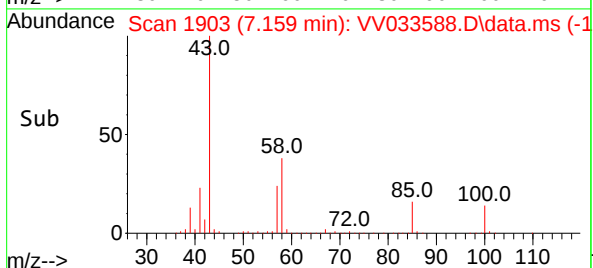
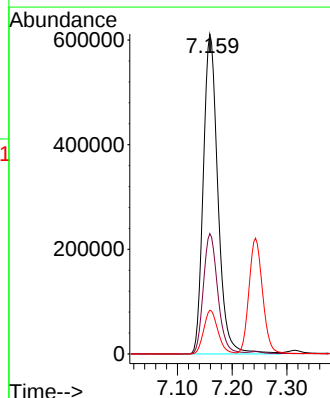
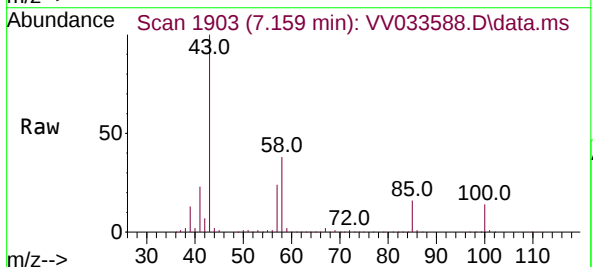
Tgt Ion: 43 Resp: 1132778

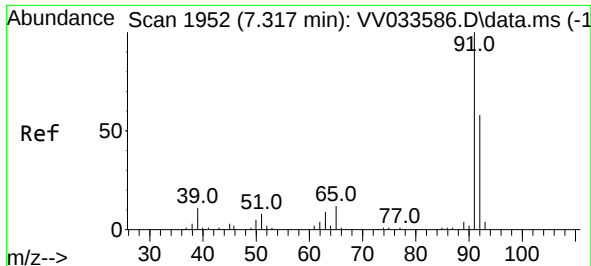
Ion Ratio Lower Upper

43 100

58 37.2 29.9 44.9

100 13.3 9.9 14.9





#42

Toluene

Concen: 22.354 ug/L

RT: 7.313 min Scan# 1951

Delta R.T. -0.003 min

Lab File: VV033588.D

Acq: 12 Jan 2024 11:41

Instrument :

MSVOA\_V

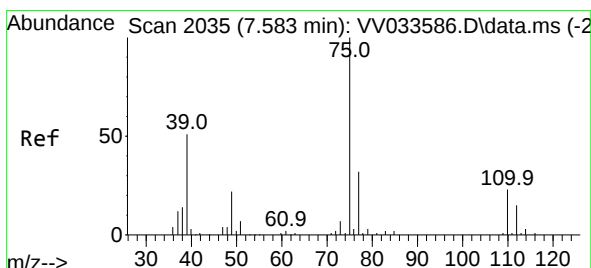
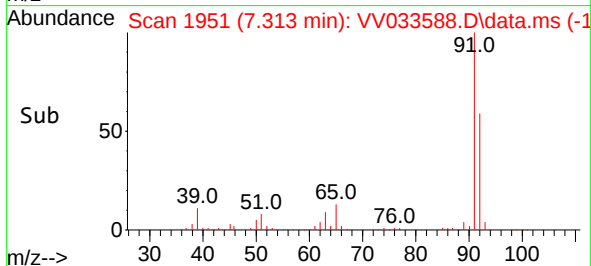
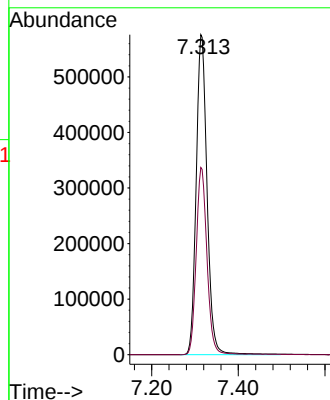
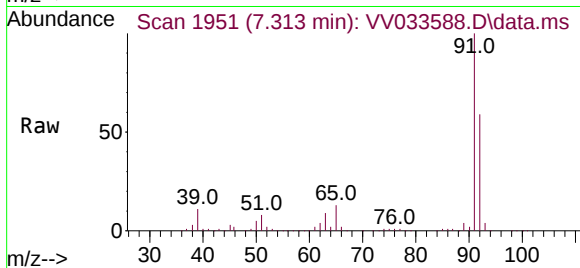
ClientSampleId :

Tgt Ion: 91 Resp: 1001449

Ion Ratio Lower Upper

91 100

92 58.5 40.5 75.3



#44

trans-1,3-Dichloropropene

Concen: 22.333 ug/L

RT: 7.580 min Scan# 2034

Delta R.T. -0.003 min

Lab File: VV033588.D

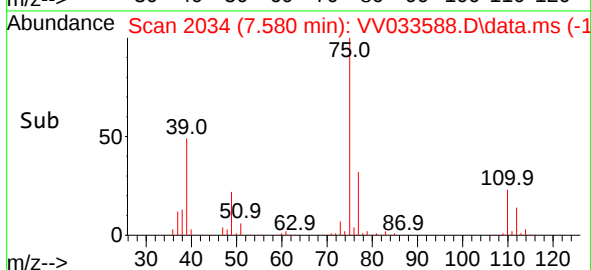
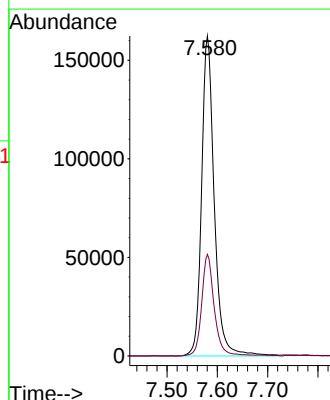
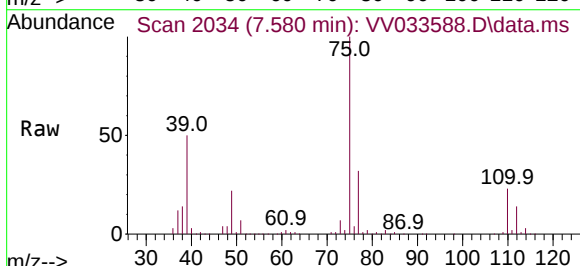
Acq: 12 Jan 2024 11:41

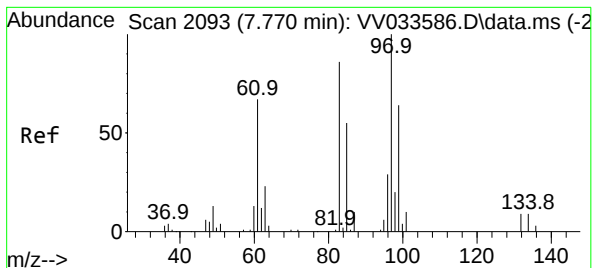
Tgt Ion: 75 Resp: 284726

Ion Ratio Lower Upper

75 100

77 31.8 22.5 41.7





#45

1,1,2-Trichloroethane

Concen: 20.468 ug/L

RT: 7.770 min Scan# 2093

Delta R.T. -0.000 min

Lab File: VV033588.D

Acq: 12 Jan 2024 11:41

Instrument :

MSVOA\_V

ClientSampleId :

Tgt Ion: 97 Resp: 134084

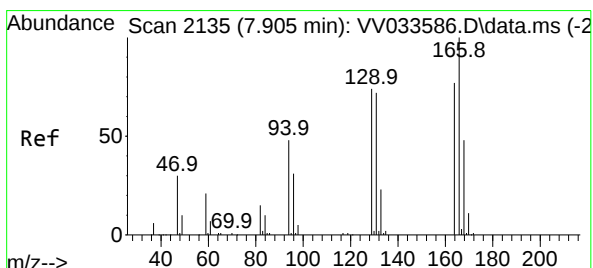
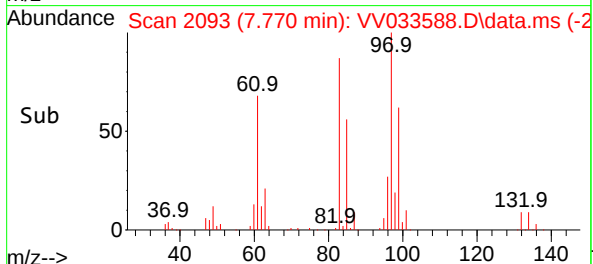
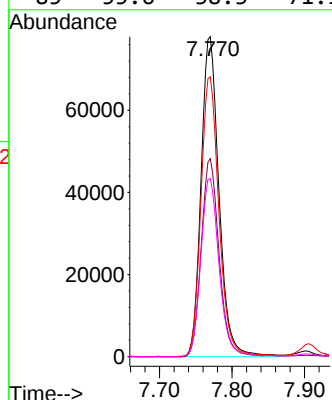
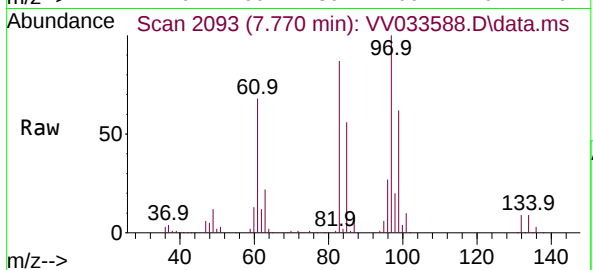
Ion Ratio Lower Upper

97 100

99 61.9 44.9 83.3

83 87.4 60.5 112.3

85 55.6 38.3 71.1



#47

Tetrachloroethene

Concen: 22.960 ug/L

RT: 7.905 min Scan# 2135

Delta R.T. -0.000 min

Lab File: VV033588.D

Acq: 12 Jan 2024 11:41

Tgt Ion:164 Resp: 182924

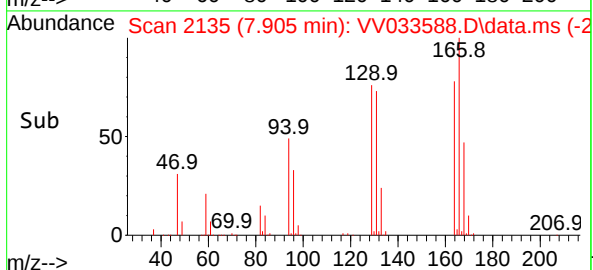
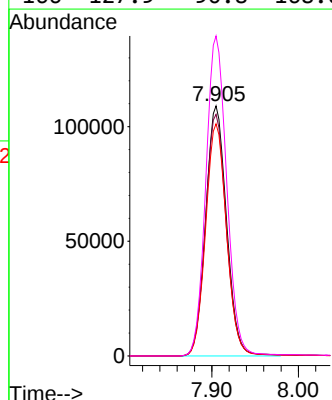
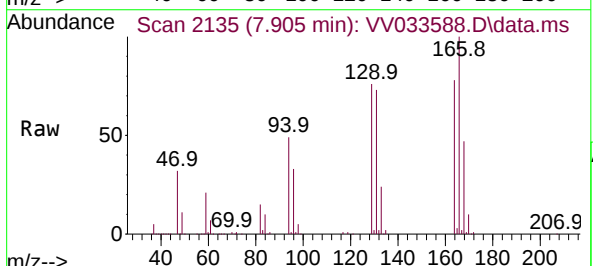
Ion Ratio Lower Upper

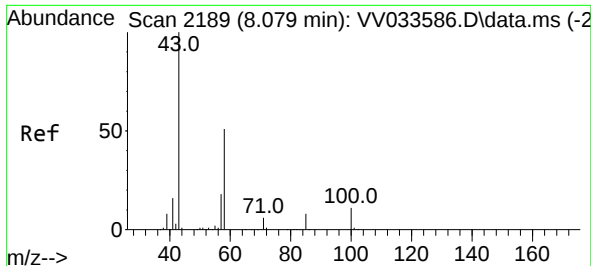
164 100

129 96.6 67.1 124.7

131 92.8 65.0 120.6

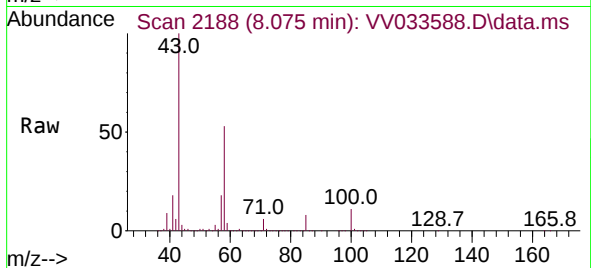
166 127.9 90.8 168.6



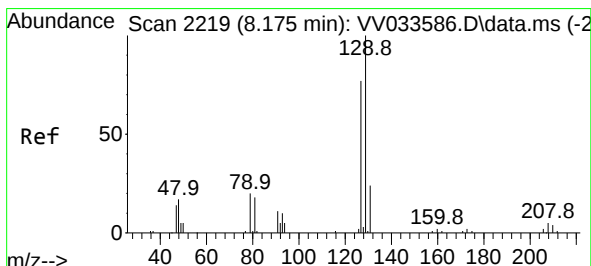
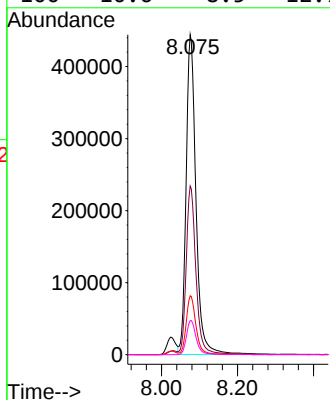
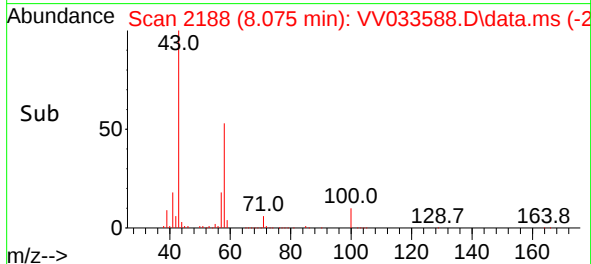


#48  
2-Hexanone  
Concen: 188.547 ug/L  
RT: 8.075 min Scan# 2189  
Delta R.T. -0.003 min  
Lab File: VV033588.D  
Acq: 12 Jan 2024 11:41

Instrument :  
MSVOA\_V  
ClientSampleId :

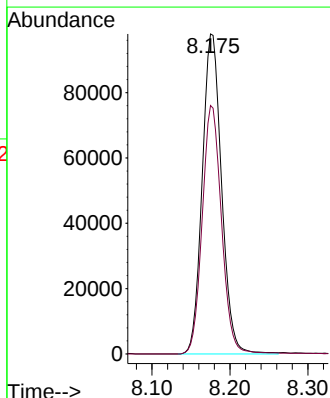
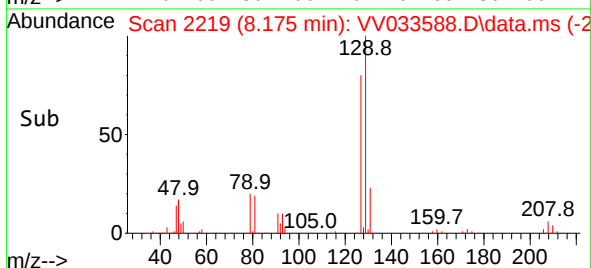
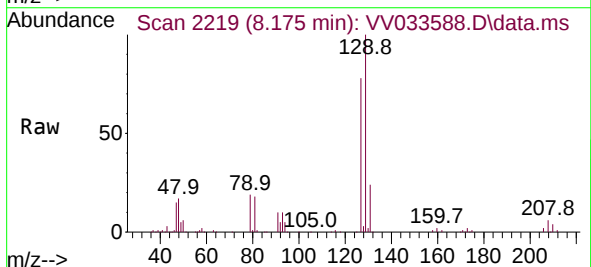


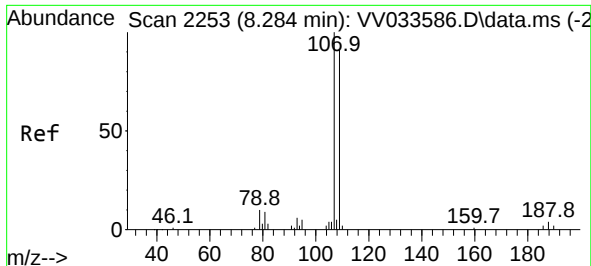
Tgt Ion: 43 Resp: 796895  
Ion Ratio Lower Upper  
43 100  
58 52.0 40.6 61.0  
57 17.9 13.8 20.8  
100 10.6 8.5 12.7



#49  
Dibromochloromethane  
Concen: 21.887 ug/L  
RT: 8.175 min Scan# 2219  
Delta R.T. -0.000 min  
Lab File: VV033588.D  
Acq: 12 Jan 2024 11:41

Tgt Ion: 129 Resp: 168980  
Ion Ratio Lower Upper  
129 100  
127 77.7 53.6 99.6

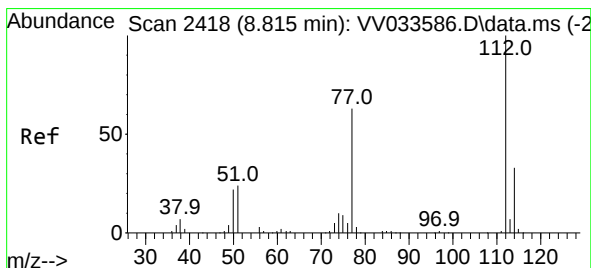
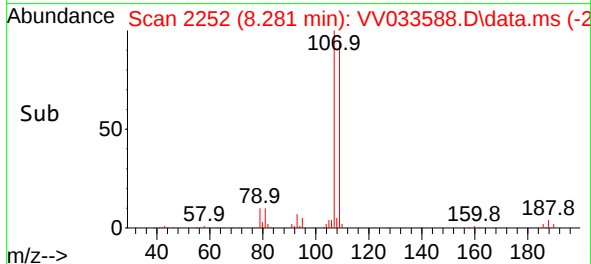
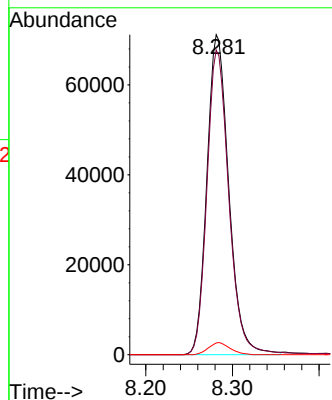
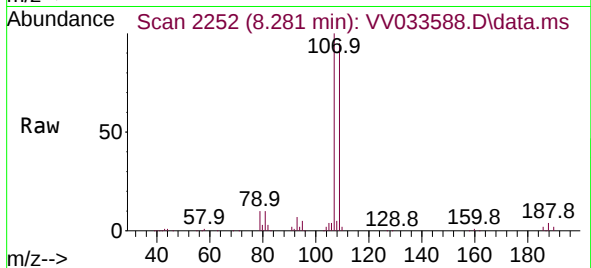




#50  
1,2-Dibromoethane  
Concen: 20.578 ug/L  
RT: 8.281 min Scan# 21  
Delta R.T. -0.003 min  
Lab File: VV033588.D  
Acq: 12 Jan 2024 11:41

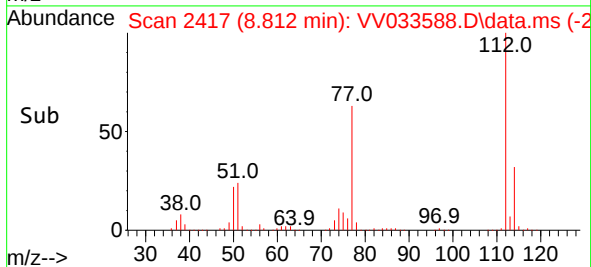
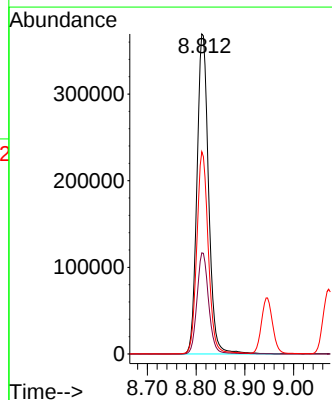
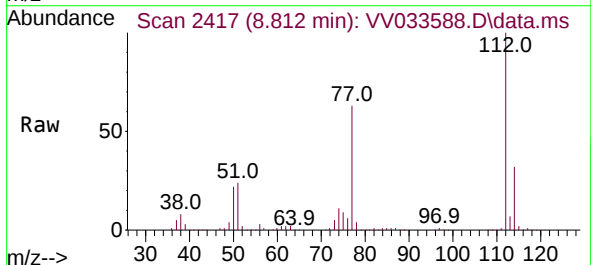
Instrument :  
MSVOA\_V  
ClientSampleId :

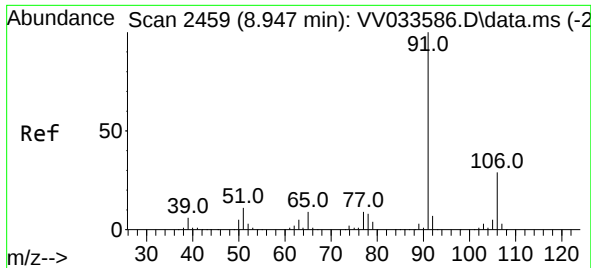
Tgt Ion:107 Resp: 125214  
Ion Ratio Lower Upper  
107 100  
109 95.2 64.0 118.8  
188 3.6 3.0 4.6



#51  
Chlorobenzene  
Concen: 21.959 ug/L  
RT: 8.812 min Scan# 2417  
Delta R.T. -0.003 min  
Lab File: VV033588.D  
Acq: 12 Jan 2024 11:41

Tgt Ion:112 Resp: 611519  
Ion Ratio Lower Upper  
112 100  
114 31.6 22.9 42.5  
77 63.2 50.8 76.2

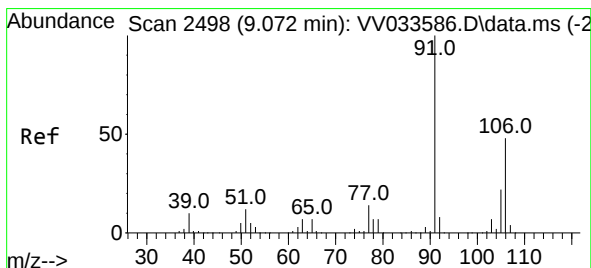
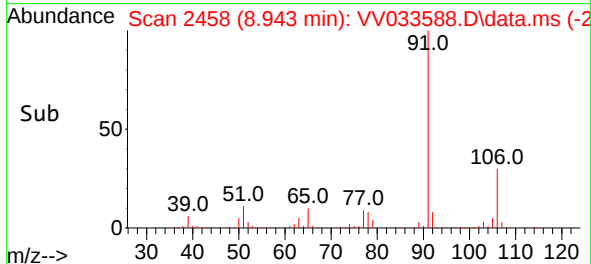
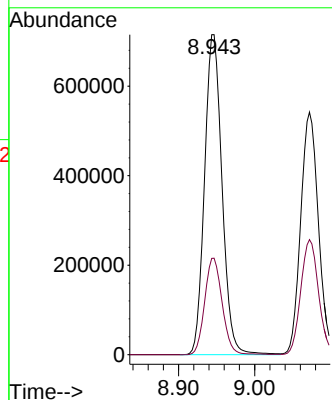
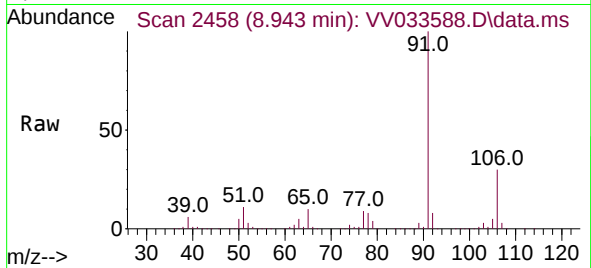




#52  
Ethylbenzene  
Concen: 21.792 ug/L  
RT: 8.943 min Scan# 2459  
Delta R.T. -0.003 min  
Lab File: VV033588.D  
Acq: 12 Jan 2024 11:41

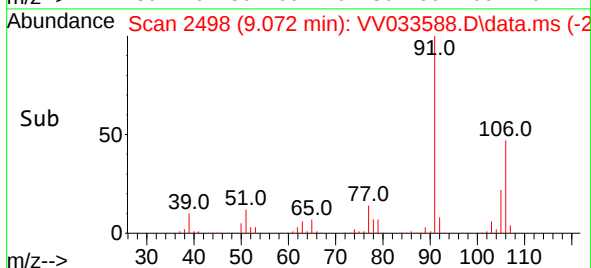
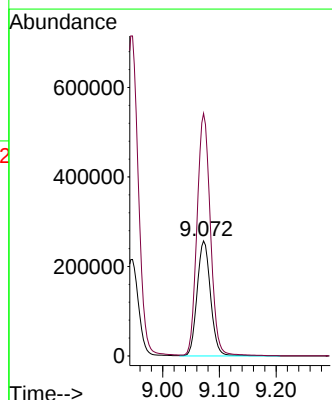
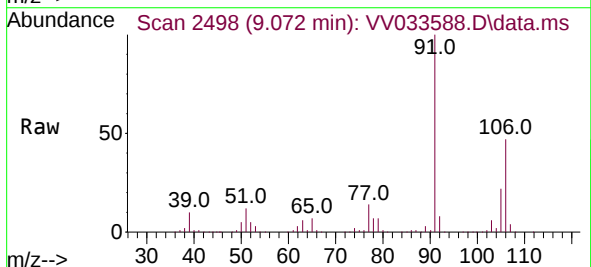
Instrument :  
MSVOA\_V  
ClientSampleId :

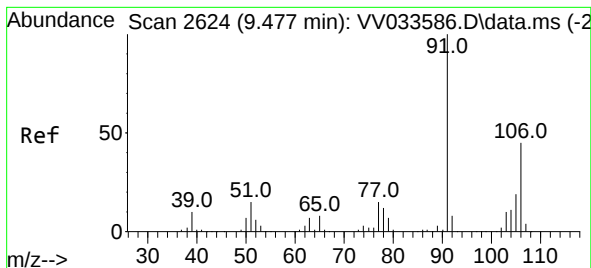
Tgt Ion: 91 Resp: 1143038  
Ion Ratio Lower Upper  
91 100  
106 30.1 20.6 38.4



#53  
m,p-Xylene  
Concen: 21.823 ug/L  
RT: 9.072 min Scan# 2498  
Delta R.T. -0.000 min  
Lab File: VV033588.D  
Acq: 12 Jan 2024 11:41

Tgt Ion:106 Resp: 422448  
Ion Ratio Lower Upper  
106 100  
91 210.9 146.2 271.4





#54

o-Xylene

Concen: 21.890 ug/L

RT: 9.477 min Scan# 2

Delta R.T. -0.000 min

Lab File: VV033588.D

Acq: 12 Jan 2024 11:41

Instrument :

MSVOA\_V

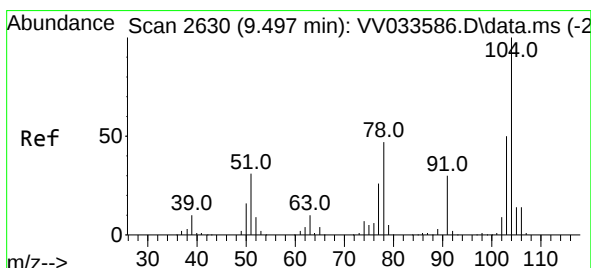
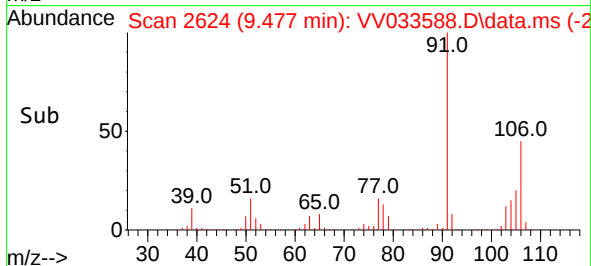
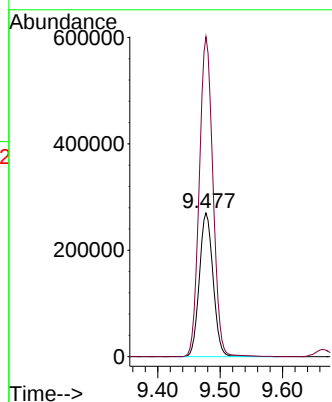
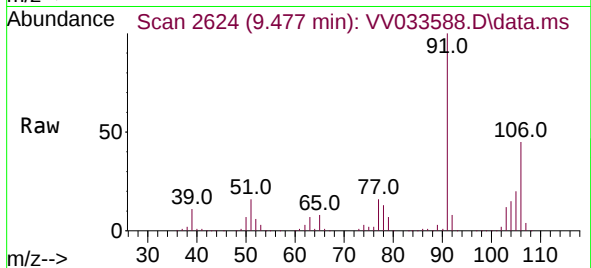
ClientSampleId :

Tgt Ion:106 Resp: 413546

Ion Ratio Lower Upper

106 100

91 222.7 156.0 289.6



#55

Styrene

Concen: 21.363 ug/L

RT: 9.497 min Scan# 2630

Delta R.T. -0.000 min

Lab File: VV033588.D

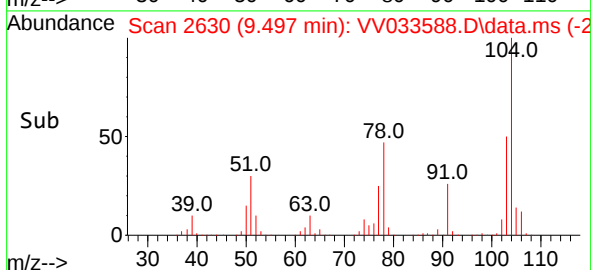
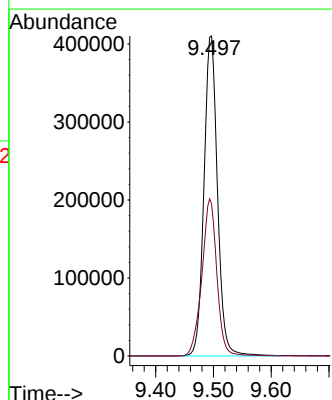
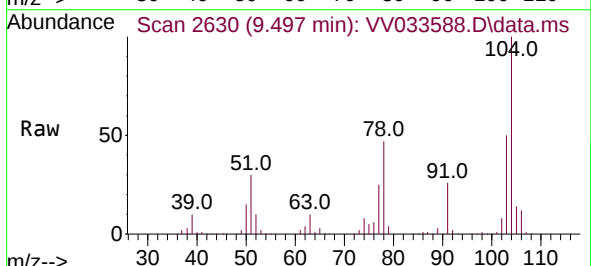
Acq: 12 Jan 2024 11:41

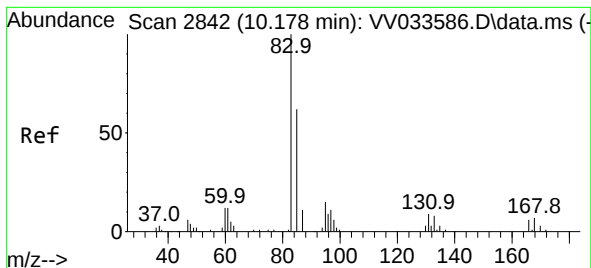
Tgt Ion:104 Resp: 666491

Ion Ratio Lower Upper

104 100

78 47.5 33.1 61.5

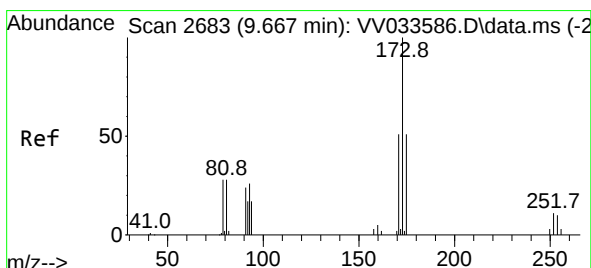
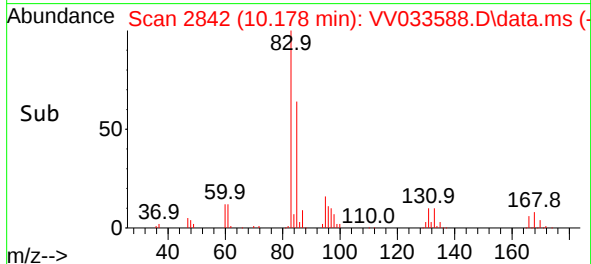
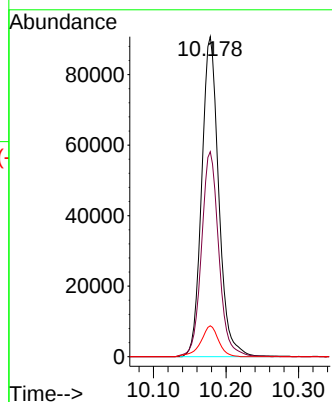
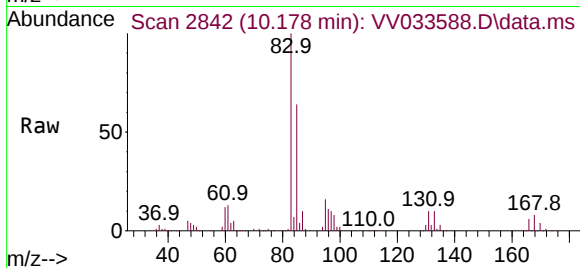




#57  
 1,1,2,2-Tetrachloroethane  
 Concen: 20.521 ug/L  
 RT: 10.178 min Scan# 2842  
 Delta R.T. -0.000 min  
 Lab File: VV033588.D  
 Acq: 12 Jan 2024 11:41

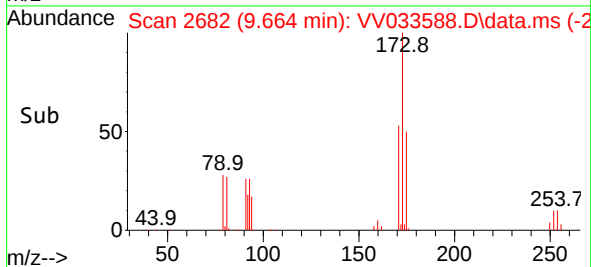
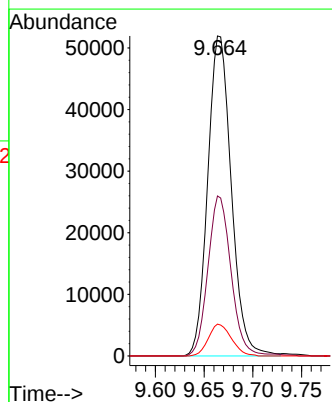
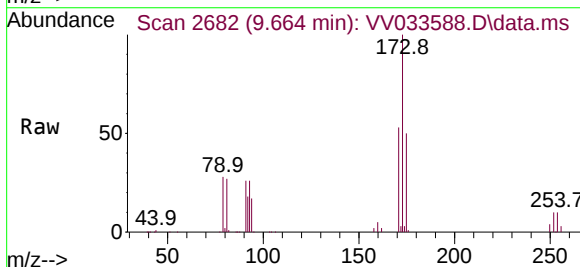
Instrument :  
 MSVOA\_V  
 ClientSampleId :

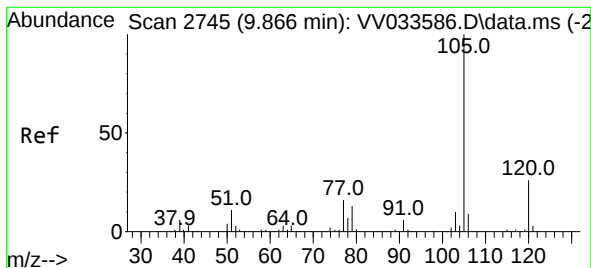
Tgt Ion: 83 Resp: 148311  
 Ion Ratio Lower Upper  
 83 100  
 85 64.1 43.5 80.7  
 131 9.6 7.4 11.0



#59  
 Bromoform  
 Concen: 20.568 ug/L  
 RT: 9.664 min Scan# 2682  
 Delta R.T. -0.003 min  
 Lab File: VV033588.D  
 Acq: 12 Jan 2024 11:41

Tgt Ion: 173 Resp: 87484  
 Ion Ratio Lower Upper  
 173 100  
 175 49.1 38.8 58.2  
 254 9.7 7.5 11.3





#60

Isopropylbenzene

Concen: 19.496 ug/L

RT: 9.866 min Scan# 21

Delta R.T. -0.000 min

Lab File: VV033588.D

Acq: 12 Jan 2024 11:41

Instrument :

MSVOA\_V

ClientSampleId :

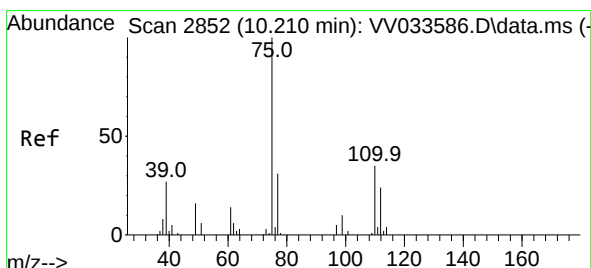
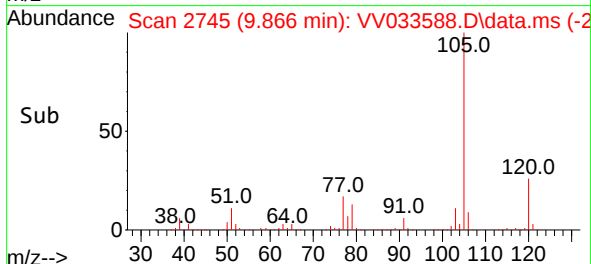
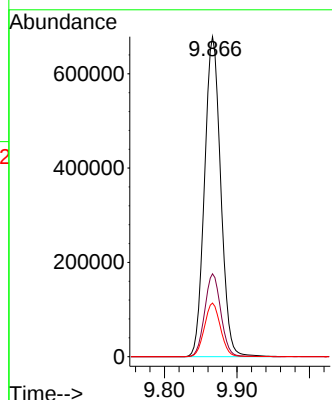
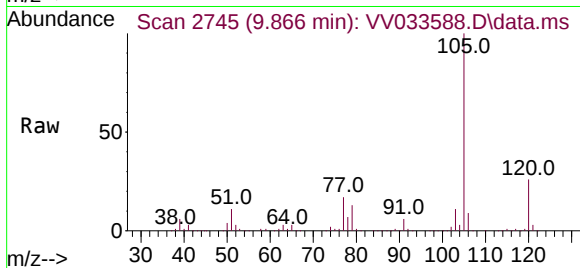
Tgt Ion:105 Resp: 1053631

Ion Ratio Lower Upper

105 100

120 25.8 21.0 31.6

77 16.6 13.4 20.0



#61

1,2,3-Trichloropropane

Concen: 19.865 ug/L

RT: 10.210 min Scan# 2852

Delta R.T. -0.000 min

Lab File: VV033588.D

Acq: 12 Jan 2024 11:41

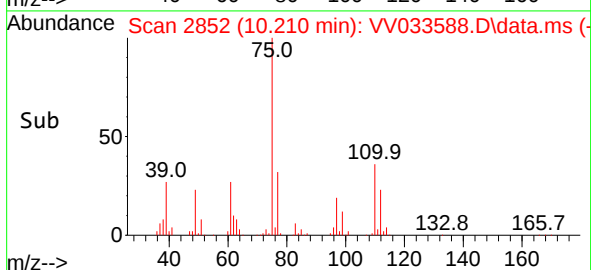
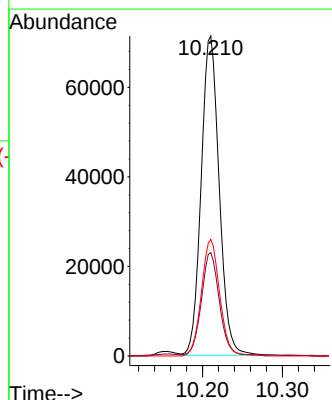
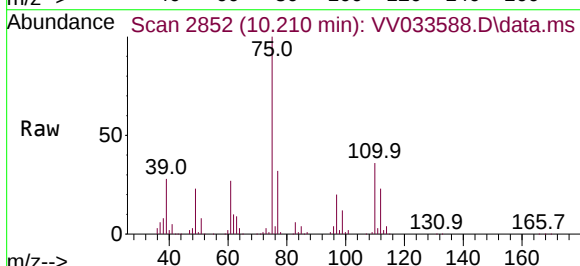
Tgt Ion: 75 Resp: 112115

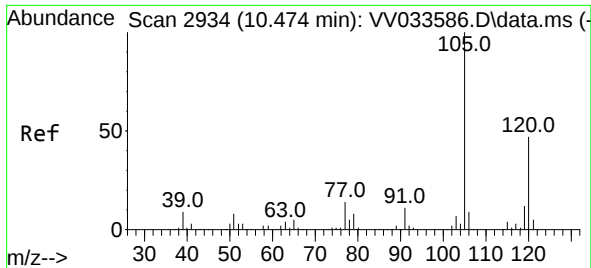
Ion Ratio Lower Upper

75 100

77 31.8 24.7 37.1

110 37.1 28.0 42.0

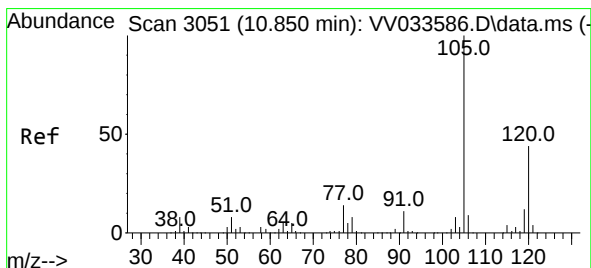
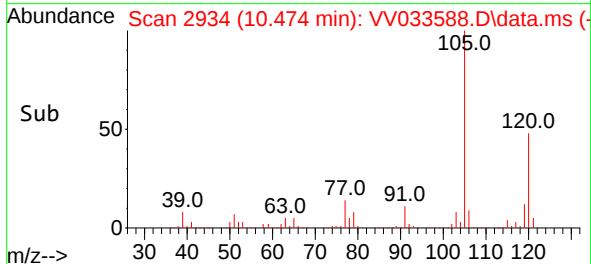
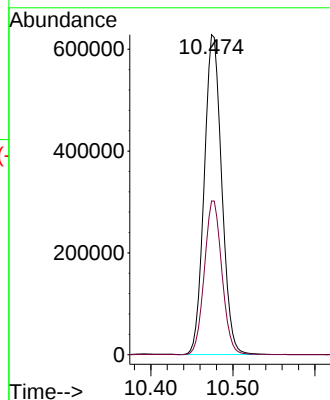
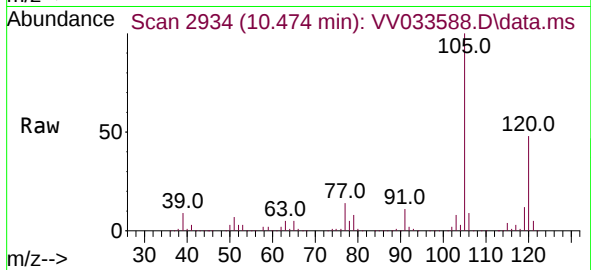




#62  
1,3,5-Trimethylbenzene  
Concen: 20.314 ug/L  
RT: 10.474 min Scan# 2934  
Delta R.T. -0.000 min  
Lab File: VV033588.D  
Acq: 12 Jan 2024 11:41

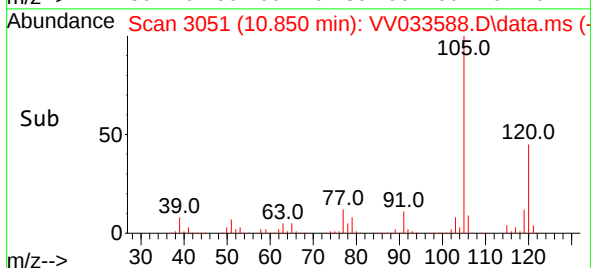
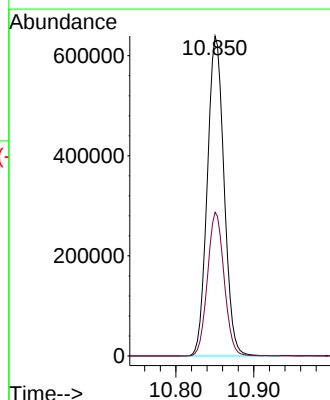
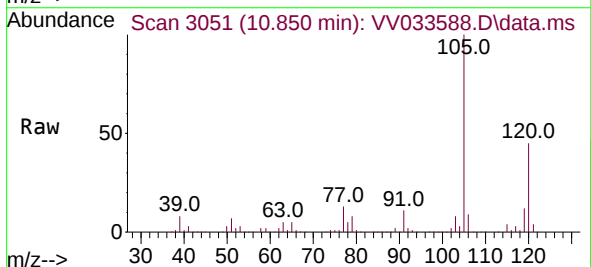
Instrument :  
MSVOA\_V  
ClientSampleId :

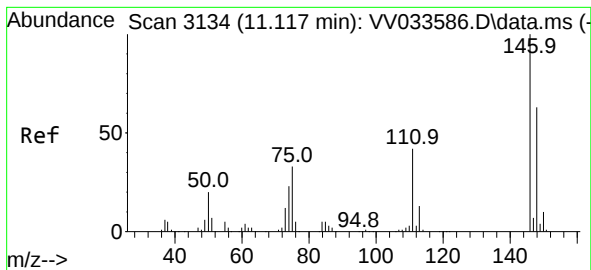
Tgt Ion:105 Resp: 930137  
Ion Ratio Lower Upper  
105 100  
120 48.2 38.3 57.5



#63  
1,2,4-Trimethylbenzene  
Concen: 21.005 ug/L  
RT: 10.850 min Scan# 3051  
Delta R.T. -0.000 min  
Lab File: VV033588.D  
Acq: 12 Jan 2024 11:41

Tgt Ion:105 Resp: 953271  
Ion Ratio Lower Upper  
105 100  
120 44.7 35.5 53.3





#64

1,3-Dichlorobenzene

Concen: 20.662 ug/L

RT: 11.117 min Scan# 3134

Delta R.T. -0.000 min

Lab File: VV033588.D

Acq: 12 Jan 2024 11:41

Instrument :

MSVOA\_V

ClientSampleId :

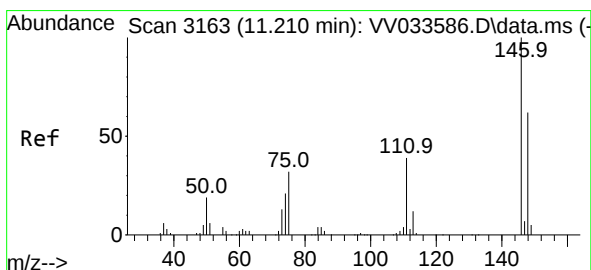
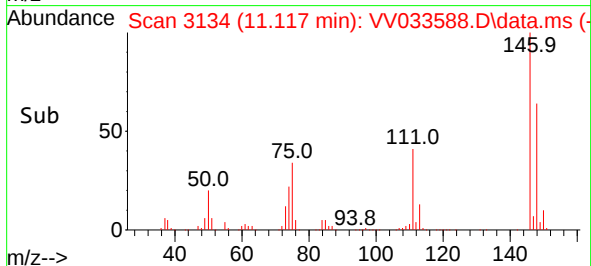
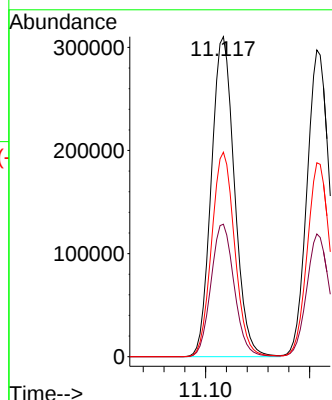
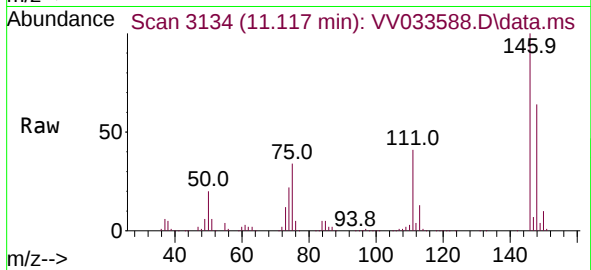
Tgt Ion:146 Resp: 479266

Ion Ratio Lower Upper

146 100

111 41.4 29.2 54.2

148 63.9 44.1 81.9



#65

1,4-Dichlorobenzene

Concen: 19.534 ug/L

RT: 11.207 min Scan# 3162

Delta R.T. -0.003 min

Lab File: VV033588.D

Acq: 12 Jan 2024 11:41

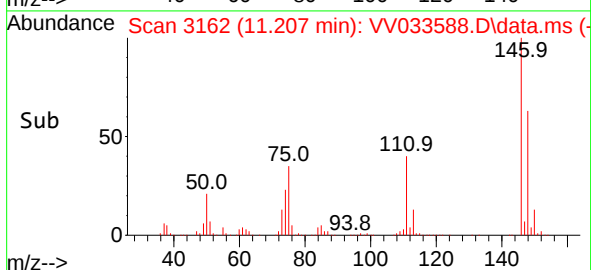
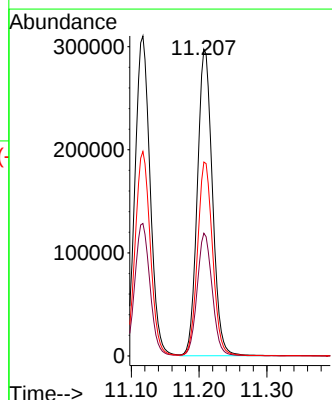
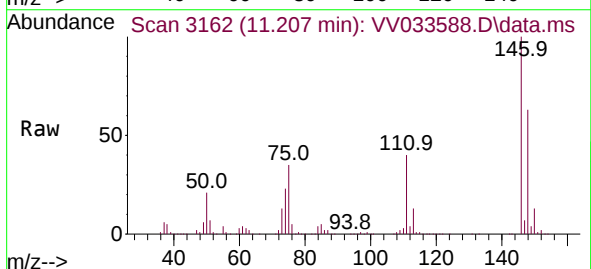
Tgt Ion:146 Resp: 459054

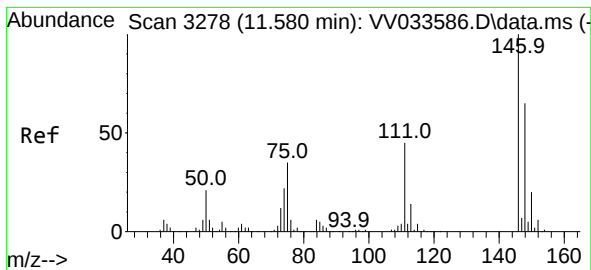
Ion Ratio Lower Upper

146 100

111 40.0 27.5 51.1

148 63.2 43.3 80.5





#67

1,2-Dichlorobenzene

Concen: 20.490 ug/L

RT: 11.580 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV033588.D

Acq: 12 Jan 2024 11:41

Instrument :

MSVOA\_V

ClientSampleId :

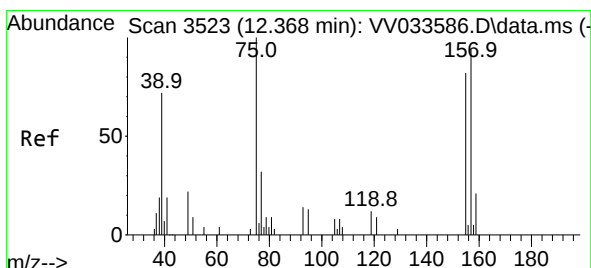
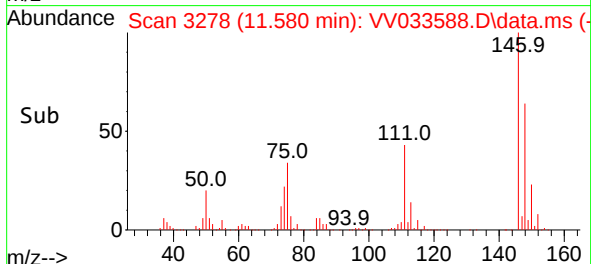
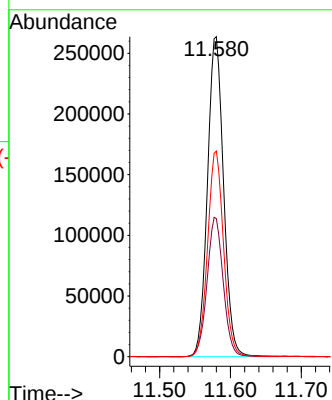
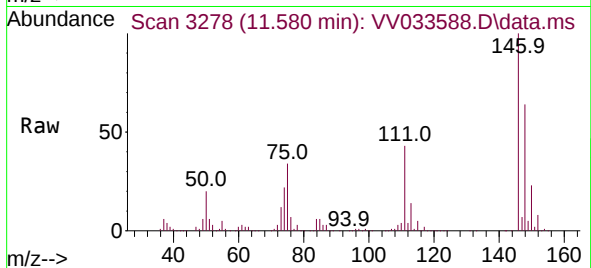
Tgt Ion:146 Resp: 415978

Ion Ratio Lower Upper

146 100

111 43.2 36.1 54.1

148 64.3 52.2 78.2



#68

1,2-Dibromo-3-chloropropane

Concen: 20.721 ug/L

RT: 12.365 min Scan# 3522

Delta R.T. -0.003 min

Lab File: VV033588.D

Acq: 12 Jan 2024 11:41

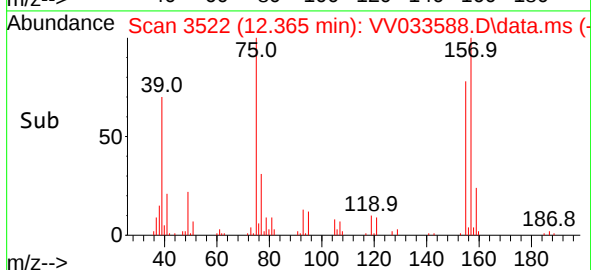
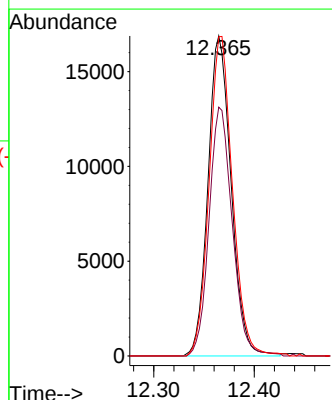
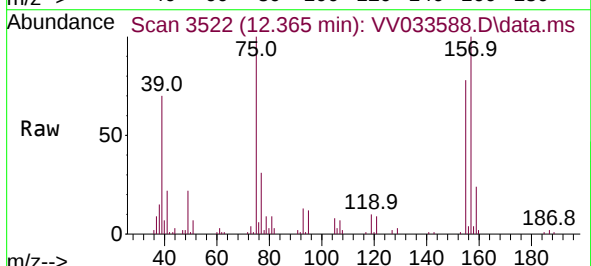
Tgt Ion: 75 Resp: 27035

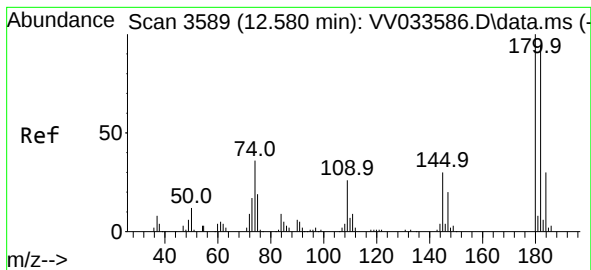
Ion Ratio Lower Upper

75 100

155 77.8 65.3 97.9

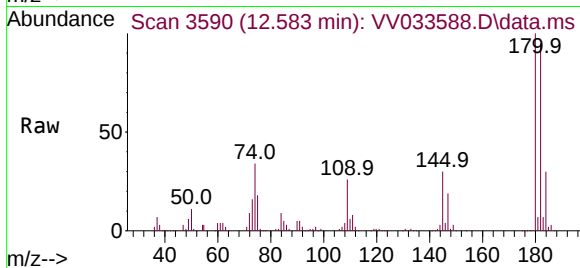
157 99.8 75.4 113.0



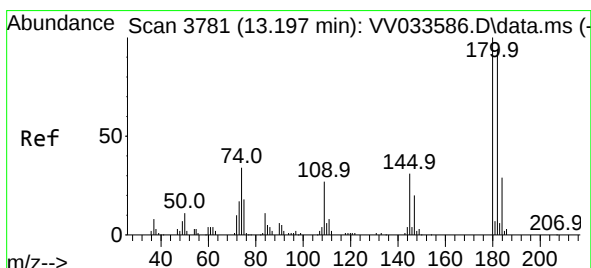
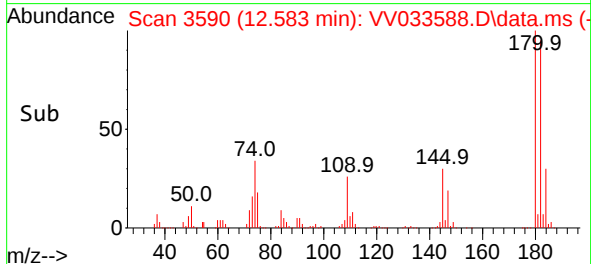
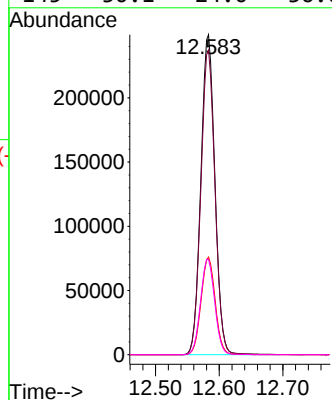


#69  
 1,3,5-Trichlorobenzene  
 Concen: 21.436 ug/L  
 RT: 12.583 min Scan# 3590  
 Delta R.T. 0.003 min  
 Lab File: VV033588.D  
 Acq: 12 Jan 2024 11:41

Instrument :  
 MSVOA\_V  
 ClientSampleId :

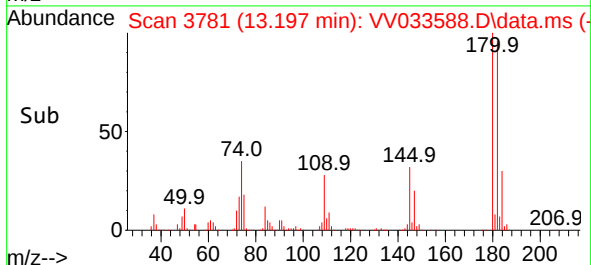
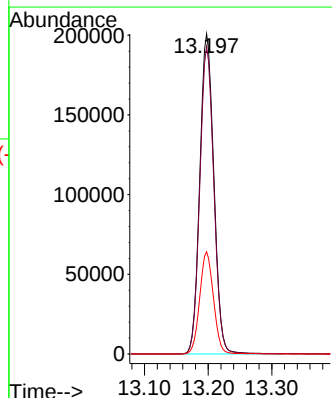
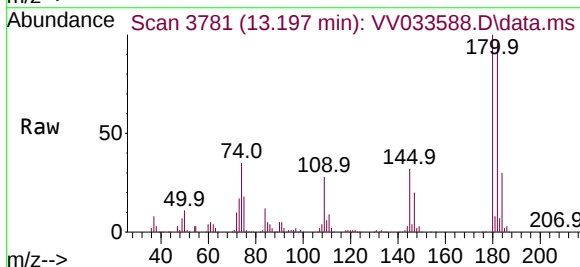


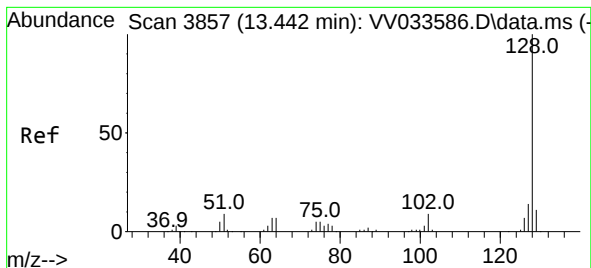
Tgt Ion:180 Resp: 382152  
 Ion Ratio Lower Upper  
 180 100  
 182 95.4 76.4 114.6  
 184 30.7 24.2 36.2  
 145 30.1 24.0 36.0



#70  
 1,2,4-trichlorobenzene  
 Concen: 20.739 ug/L  
 RT: 13.197 min Scan# 3781  
 Delta R.T. -0.000 min  
 Lab File: VV033588.D  
 Acq: 12 Jan 2024 11:41

Tgt Ion:180 Resp: 308616  
 Ion Ratio Lower Upper  
 180 100  
 182 95.4 75.0 112.6  
 145 31.2 24.8 37.2





#71

Naphthalene

Concen: 20.293 ug/L

RT: 13.438 min Scan# 3856

Delta R.T. -0.003 min

Lab File: VV033588.D

Acq: 12 Jan 2024 11:41

Instrument :

MSVOA\_V

ClientSampleId :

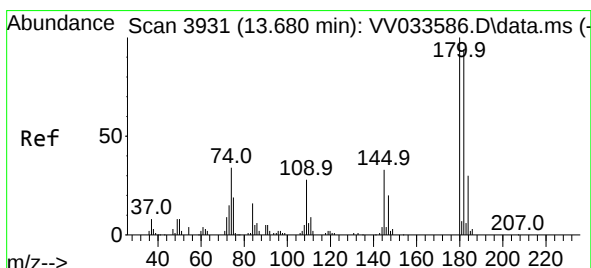
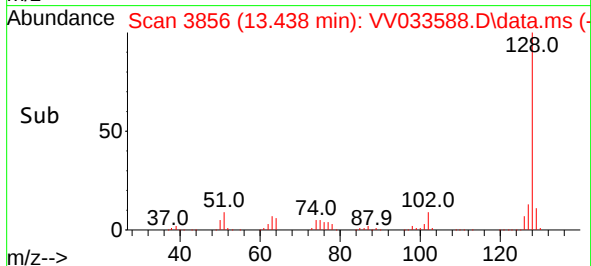
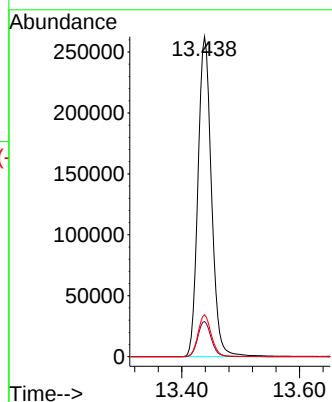
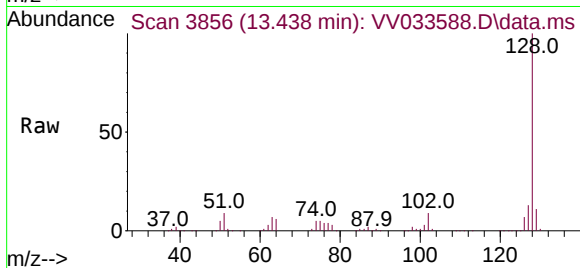
Tgt Ion:128 Resp: 417678

Ion Ratio Lower Upper

128 100

129 10.9 8.8 13.2

127 13.0 10.4 15.6



#72

1,2,3-Trichlorobenzene

Concen: 20.996 ug/L

RT: 13.680 min Scan# 3931

Delta R.T. -0.000 min

Lab File: VV033588.D

Acq: 12 Jan 2024 11:41

Tgt Ion:180 Resp: 244843

Ion Ratio Lower Upper

180 100

182 94.8 75.0 112.6

145 33.0 26.6 40.0

