

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW071123\  
 Data File : VW031670.D  
 Acq On : 11 Jul 2023 10:25  
 Operator : SY/MD  
 Sample : VSTD00539  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Jul 12 07:25:04 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM071123WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Jul 12 07:24:21 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Difluorobenzene        | 5.539  | 114  | 212503   | 50.000 | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.789  | 117  | 219361   | 50.000 | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.191 | 152  | 127069   | 50.000 | ug/L   | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 4) Vinyl Chloride-d3          | 1.282  | 65   | 10944    | 7.313  | ug/L   | 0.00     |
| 7) Chloroethane-d5            | 1.536  | 69   | 8071     | 6.261  | ug/L   | 0.00     |
| 11) 1,1-Dichloroethene-d2     | 2.063  | 65   | 4190     | 5.525  | ug/L   | 0.00     |
| 21) 2-Butanone-d5             | 3.828  | 46   | 6200     | 5.393  | ug/L   | 0.03     |
| 24) Chloroform-d              | 4.259  | 84   | 17163    | 4.748  | ug/L   | 0.00     |
| 26) 1,2-Dichloroethane-d4     | 4.957  | 65   | 9874     | 4.426  | ug/L   | 0.00     |
| 32) Benzene-d6                | 4.973  | 84   | 26451    | 4.248  | ug/L   | 0.00     |
| 36) 1,2-Dichloropropane-d6    | 5.995  | 67   | 10062    | 4.597  | ug/L   | 0.00     |
| 41) Toluene-d8                | 7.252  | 98   | 20966    | 3.654  | ug/L   | 0.00     |
| 43) trans-1,3-Dichloroprop... | 7.567  | 79   | 3861     | 3.654  | ug/L   | 0.00     |
| 47) 2-Hexanone-d5             | 8.040  | 63   | 3995     | 4.742  | ug/L   | 0.00     |
| 56) 1,1,2,2-Tetrachloroeth... | 10.159 | 84   | 13586    | 4.135  | ug/L   | 0.00     |
| 66) 1,2-Dichlorobenzene-d4    | 11.567 | 152  | 9362     | 3.898  | ug/L   | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        |        | Qvalue   |
| 2) Dichlorodifluoromethane    | 1.108  | 85   | 15794    | 6.777  | ug/L   | 100      |
| 3) Chloromethane              | 1.217  | 50   | 15855    | 7.186  | ug/L   | 99       |
| 5) Vinyl chloride             | 1.285  | 62   | 14530    | 6.671  | ug/L   | 98       |
| 6) Bromomethane               | 1.490  | 94   | 8239     | 5.893  | ug/L   | 90       |
| 8) Chloroethane               | 1.552  | 64   | 7102     | 5.085  | ug/L   | 99       |
| 9) Trichlorofluoromethane     | 1.716  | 101  | 17352    | 4.858  | ug/L   | 100      |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.072  | 101  | 10929    | 5.629  | ug/L   | 98       |
| 12) 1,1-Dichloroethene        | 2.072  | 96   | 9626     | 5.920  | ug/L   | 98       |
| 13) Acetone                   | 2.121  | 43   | 14992    | 13.201 | ug/L   | 99       |
| 14) Carbon disulfide          | 2.246  | 76   | 24990    | 5.036  | ug/L   | 99       |
| 15) Methyl Acetate            | 2.381  | 43   | 8427     | 4.364  | ug/L # | 90       |
| 16) Methylene chloride        | 2.452  | 84   | 10391    | 5.167  | ug/L   | 98       |
| 17) trans-1,2-Dichloroethene  | 2.699  | 96   | 6701     | 4.010  | ug/L   | 92       |
| 18) Methyl tert-butyl Ether   | 2.709  | 73   | 19339    | 3.539  | ug/L   | 97       |
| 19) 1,1-Dichloroethane        | 3.117  | 63   | 15670    | 4.380  | ug/L   | 95       |
| 20) cis-1,2-Dichloroethene    | 3.825  | 96   | 7640     | 4.273  | ug/L   | 90       |
| 22) 2-Butanone                | 3.902  | 43   | 5381     | 3.743  | ug/L   | 87       |
| 23) Bromochloromethane        | 4.159  | 128  | 4337     | 4.420  | ug/L   | 86       |
| 25) Chloroform                | 4.288  | 83   | 17545    | 4.714  | ug/L   | 90       |
| 27) 1,2-Dichloroethane        | 5.050  | 62   | 11766    | 4.124  | ug/L # | 94       |
| 29) Cyclohexane               | 4.584  | 56   | 9197     | 3.235  | ug/L # | 85       |
| 30) 1,1,1-Trichloroethane     | 4.516  | 97   | 15742    | 4.495  | ug/L   | 99       |
| 31) Carbon tetrachloride      | 4.741  | 117  | 15385    | 4.960  | ug/L   | 94       |
| 33) Benzene                   | 5.018  | 78   | 28357    | 3.882  | ug/L   | 100      |
| 34) Trichloroethene           | 5.841  | 95   | 8882     | 4.494  | ug/L   | 81       |
| 35) Methylcyclohexane         | 6.056  | 83   | 10232    | 3.580  | ug/L   | 95       |
| 37) 1,2-Dichloropropane       | 6.104  | 63   | 9096     | 4.266  | ug/L # | 97       |
| 38) Bromodichloromethane      | 6.439  | 83   | 12726    | 4.387  | ug/L   | 98       |
| 39) cis-1,3-Dichloropropene   | 6.963  | 75   | 10507    | 3.335  | ug/L   | 97       |
| 40) 4-Methyl-2-pentanone      | 7.169  | 43   | 14404    | 5.761  | ug/L # | 93       |
| 42) Toluene                   | 7.323  | 91   | 25981    | 3.421  | ug/L   | 95       |
| 44) trans-1,3-Dichloropropene | 7.590  | 75   | 9832     | 3.196  | ug/L   | 92       |

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 Sample : VSTD00539  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 2 Sample Multiplier: 1

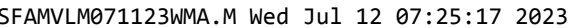
Instrument :  
 MSVOA\_V  
 ClientSampleId :

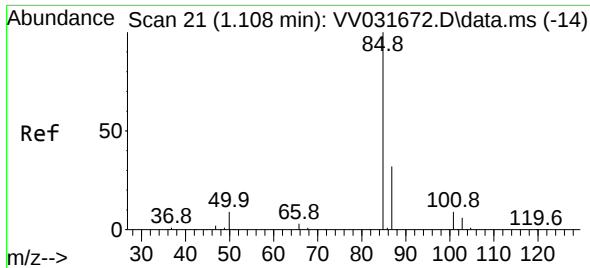
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM071123WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Jul 12 07:24:21 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| 45) 1,1,2-Trichloroethane     | 7.776  | 97   | 9251     | 4.551 | ug/L # | 79       |
| 46) Tetrachloroethene         | 7.911  | 164  | 6369     | 4.130 | ug/L   | 95       |
| 49) Dibromochloromethane      | 8.185  | 129  | 10108    | 4.463 | ug/L   | 93       |
| 50) 1,2-Dibromoethane         | 8.294  | 107  | 8724     | 4.018 | ug/L # | 88       |
| 51) Chlorobenzene             | 8.821  | 112  | 21978    | 4.378 | ug/L   | 95       |
| 52) Ethylbenzene              | 8.953  | 91   | 27228    | 3.243 | ug/L   | 97       |
| 53) m,p-Xylene                | 9.079  | 106  | 8988     | 2.897 | ug/L   | 89       |
| 54) o-Xylene                  | 9.484  | 106  | 8790     | 3.012 | ug/L   | 91       |
| 55) Styrene                   | 9.503  | 104  | 13689    | 2.593 | ug/L   | 94       |
| 57) 1,1,2,2-Tetrachloroethane | 10.185 | 83   | 13444    | 4.106 | ug/L   | 85       |
| 59) Bromoform                 | 9.670  | 173  | 6823     | 4.295 | ug/L # | 51       |
| 60) Isopropylbenzene          | 9.876  | 105  | 23312    | 2.914 | ug/L   | 99       |
| 61) 1,2,3-Trichloropropane    | 10.214 | 75   | 10091    | 4.004 | ug/L   | 95       |
| 62) 1,3,5-Trimethylbenzene    | 10.480 | 105  | 19978    | 3.034 | ug/L   | 99       |
| 63) 1,2,4-Trimethylbenzene    | 10.857 | 105  | 18507    | 2.965 | ug/L   | 100      |
| 64) 1,3-Dichlorobenzene       | 11.124 | 146  | 16623    | 4.095 | ug/L   | 92       |
| 65) 1,4-Dichlorobenzene       | 11.217 | 146  | 18439    | 4.252 | ug/L   | 96       |
| 67) 1,2-Dichlorobenzene       | 11.587 | 146  | 15734    | 3.830 | ug/L   | 90       |
| 68) 1,2-Dibromo-3-chloropr... | 12.371 | 75   | 3260     | 4.315 | ug/L   | 96       |
| 69) 1,3,5-Trichlorobenzene    | 12.590 | 180  | 11929    | 3.858 | ug/L   | 94       |
| 70) 1,2,4-trichlorobenzene    | 13.204 | 180  | 9863     | 3.655 | ug/L   | 95       |
| 71) Naphthalene               | 13.445 | 128  | 23573    | 3.397 | ug/L   | 99       |
| 72) 1,2,3-Trichlorobenzene    | 13.686 | 180  | 10129    | 3.614 | ug/L   | 98       |

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

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Quant Title : VOC Analysis  
QLast Update : Wed Jul 12 07:24:21 2023  
Response via : Initial Calibration

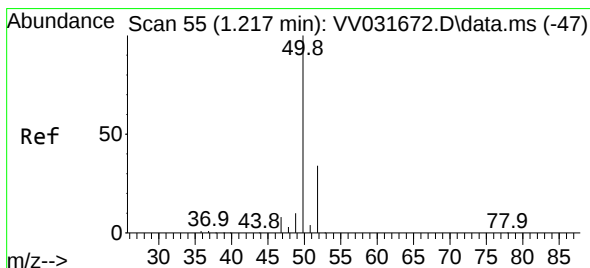
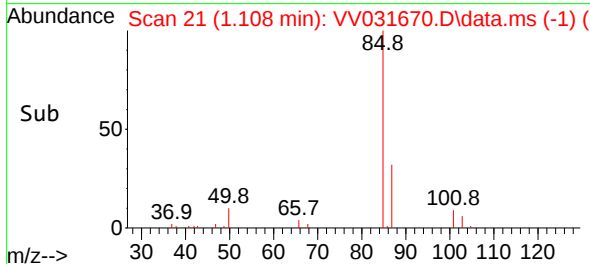
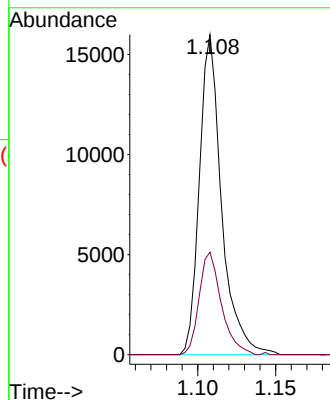
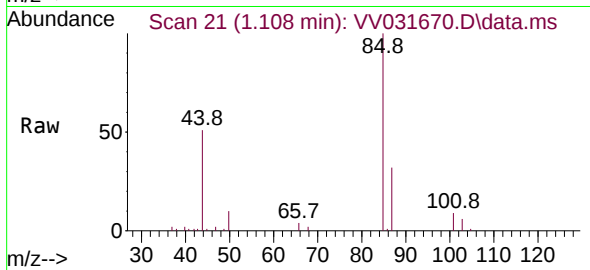




#2  
 Dichlorodifluoromethane  
 Concen: 6.777 ug/L  
 RT: 1.108 min Scan# 21  
 Delta R.T. 0.000 min  
 Lab File: VV031670.D  
 Acq: 11 Jul 2023 10:25

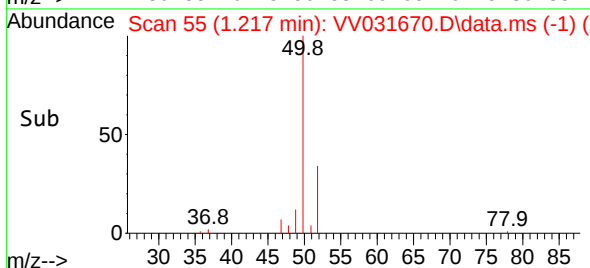
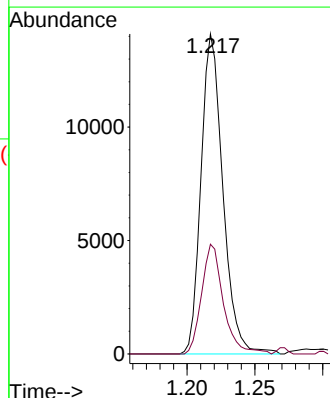
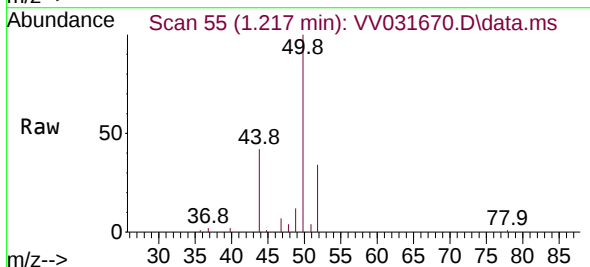
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 ClientSampleId :

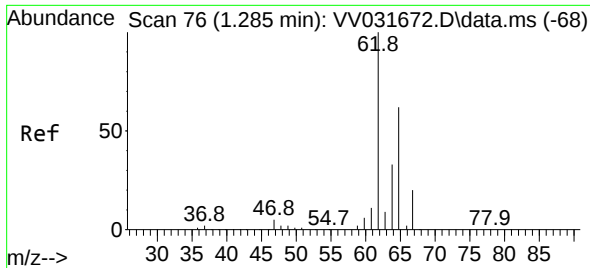
Tgt Ion: 85 Resp: 15794  
 Ion Ratio Lower Upper  
 85 100  
 87 32.1 25.8 38.6



#3  
 Chloromethane  
 Concen: 7.186 ug/L  
 RT: 1.217 min Scan# 55  
 Delta R.T. 0.000 min  
 Lab File: VV031670.D  
 Acq: 11 Jul 2023 10:25

Tgt Ion: 50 Resp: 15855  
 Ion Ratio Lower Upper  
 50 100  
 52 34.3 23.7 44.1

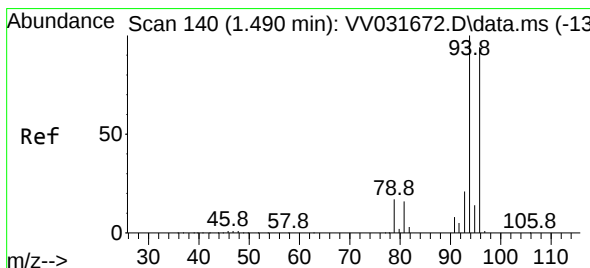
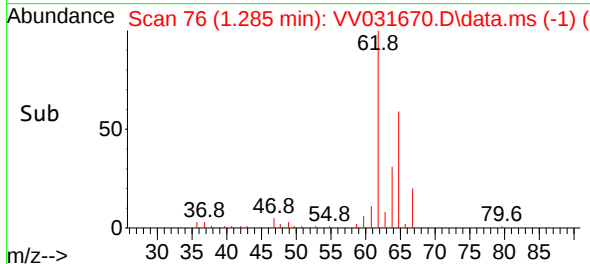
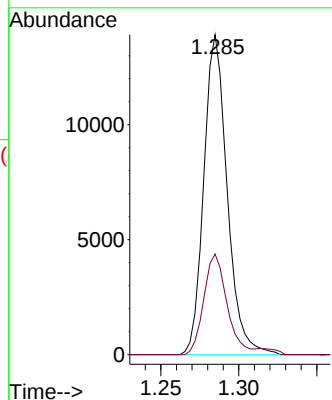
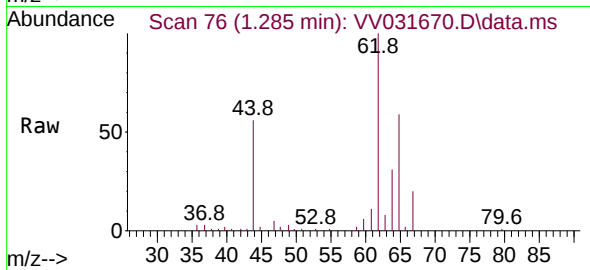




#5  
 Vinyl chloride  
 Concen: 6.671 ug/L  
 RT: 1.285 min Scan# 76  
 Delta R.T. 0.000 min  
 Lab File: VV031670.D  
 Acq: 11 Jul 2023 10:25

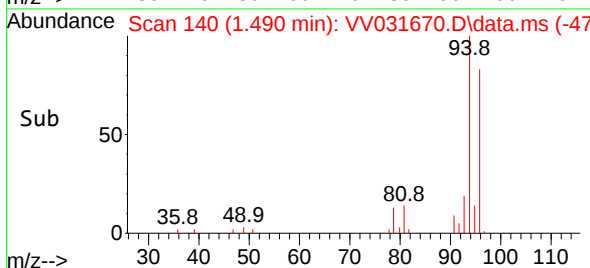
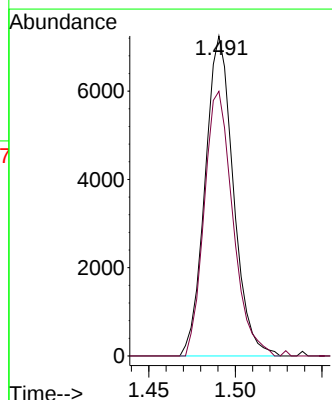
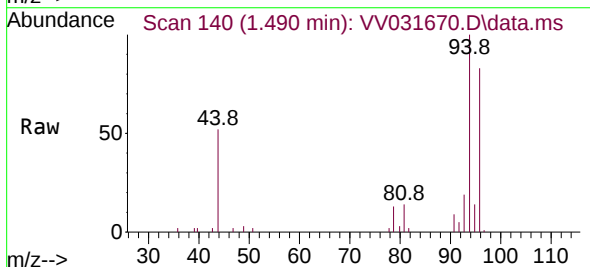
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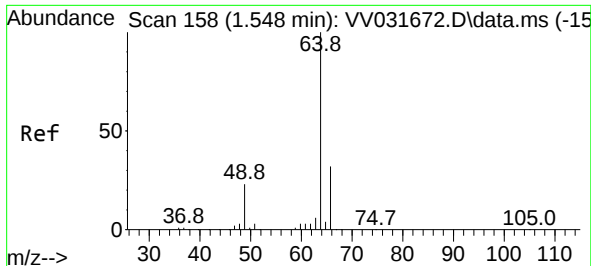
Tgt Ion: 62 Resp: 14530  
 Ion Ratio Lower Upper  
 62 100  
 64 31.5 22.9 42.5



#6  
 Bromomethane  
 Concen: 5.893 ug/L  
 RT: 1.490 min Scan# 140  
 Delta R.T. 0.000 min  
 Lab File: VV031670.D  
 Acq: 11 Jul 2023 10:25

Tgt Ion: 94 Resp: 8239  
 Ion Ratio Lower Upper  
 94 100  
 96 84.2 65.7 121.9

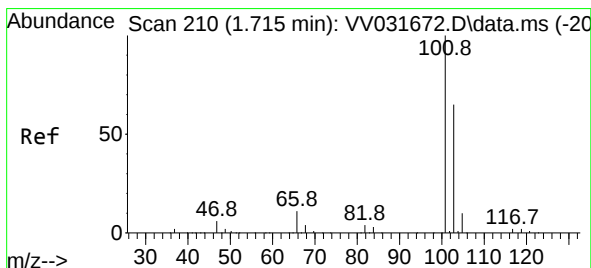
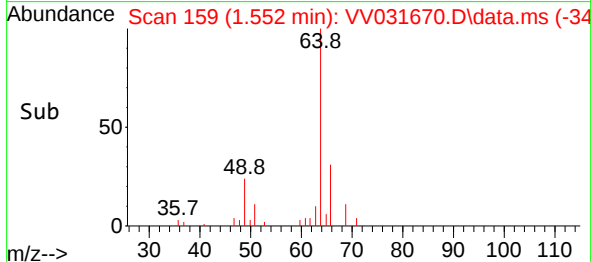
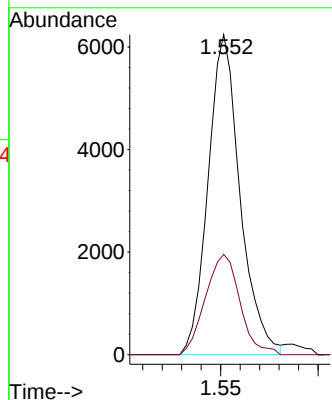
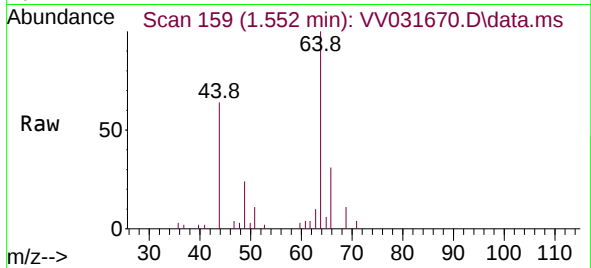




#8  
Chloroethane  
Concen: 5.085 ug/L  
RT: 1.552 min Scan# 11  
Delta R.T. 0.003 min  
Lab File: VV031670.D  
Acq: 11 Jul 2023 10:25

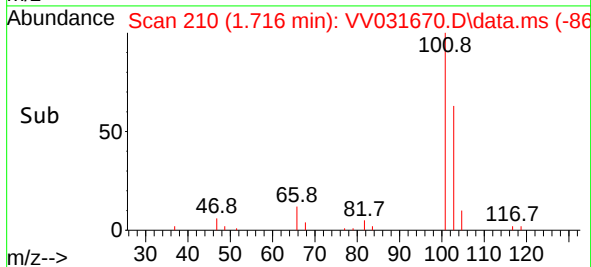
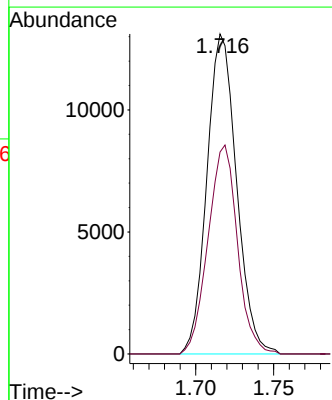
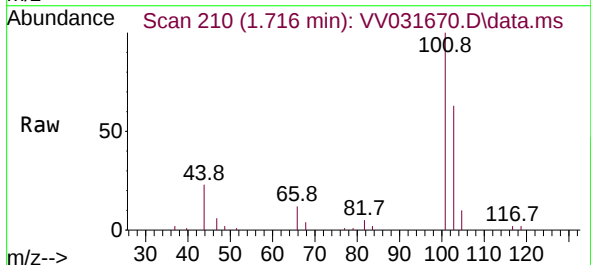
Instrument :  
MSVOA\_V  
ClientSampleId :

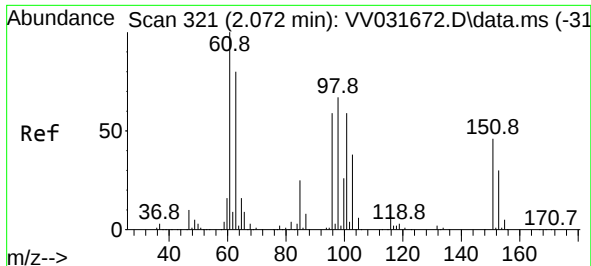
Tgt Ion: 64 Resp: 7102  
Ion Ratio Lower Upper  
64 100  
66 31.4 22.4 41.6



#9  
Trichlorofluoromethane  
Concen: 4.858 ug/L  
RT: 1.716 min Scan# 210  
Delta R.T. 0.000 min  
Lab File: VV031670.D  
Acq: 11 Jul 2023 10:25

Tgt Ion:101 Resp: 17352  
Ion Ratio Lower Upper  
101 100  
103 64.6 51.7 77.5

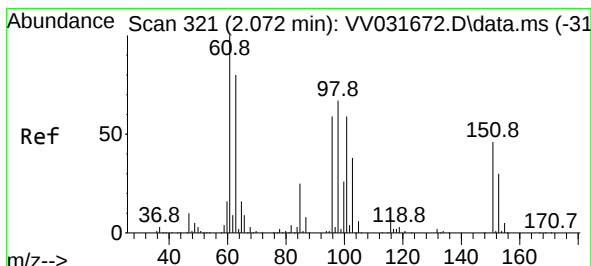
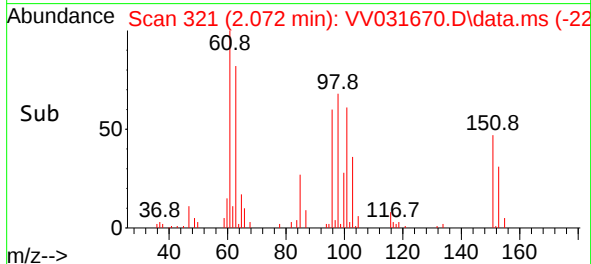
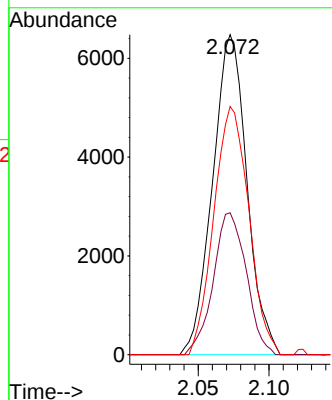
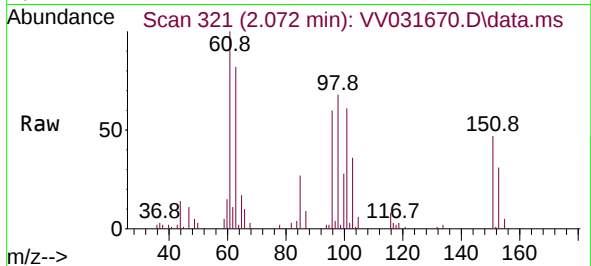




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 5.629 ug/L  
 RT: 2.072 min Scan# 321  
 Delta R.T. 0.000 min  
 Lab File: VV031670.D  
 Acq: 11 Jul 2023 10:25

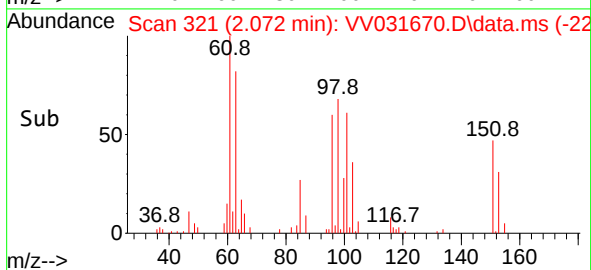
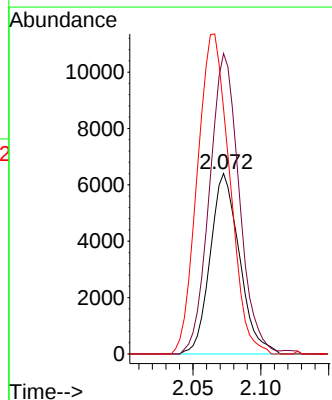
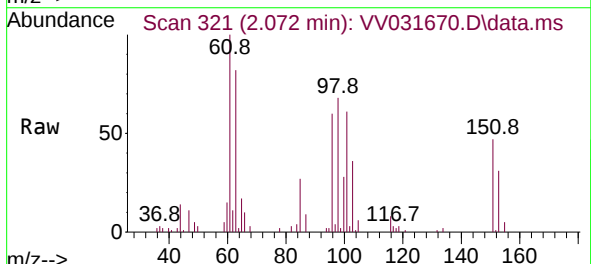
Instrument :  
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 ClientSampleId :

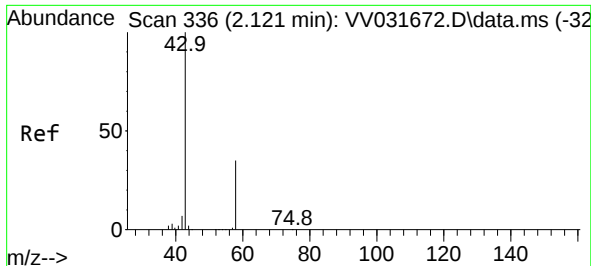
Tgt Ion:101 Resp: 10929  
 Ion Ratio Lower Upper  
 101 100  
 85 42.6 33.9 50.9  
 151 79.0 61.0 91.6



#12  
 1,1-Dichloroethene  
 Concen: 5.920 ug/L  
 RT: 2.072 min Scan# 321  
 Delta R.T. 0.000 min  
 Lab File: VV031670.D  
 Acq: 11 Jul 2023 10:25

Tgt Ion: 96 Resp: 9626  
 Ion Ratio Lower Upper  
 96 100  
 61 166.6 118.3 219.7  
 63 135.9 96.8 179.8





#13

Acetone

Concen: 13.201 ug/L

RT: 2.121 min Scan# 336

Delta R.T. 0.000 min

Lab File: VV031670.D

Acq: 11 Jul 2023 10:25

Instrument :

MSVOA\_V

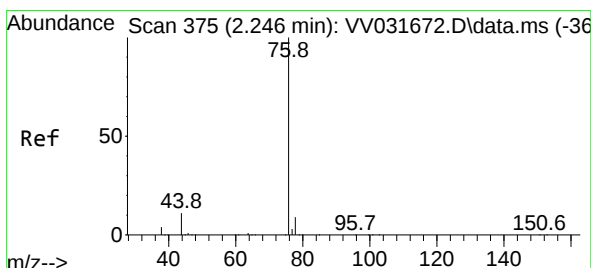
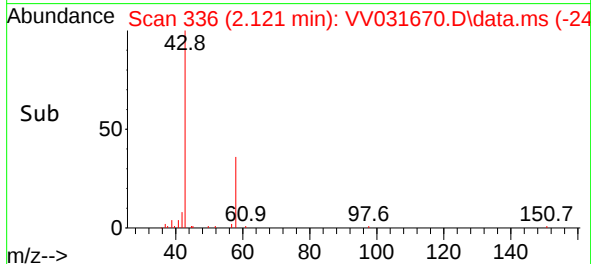
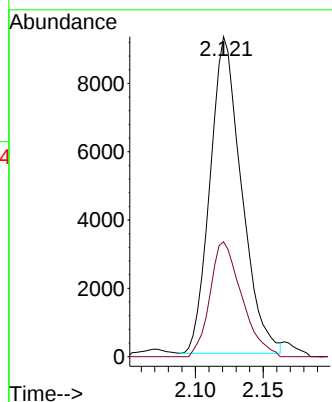
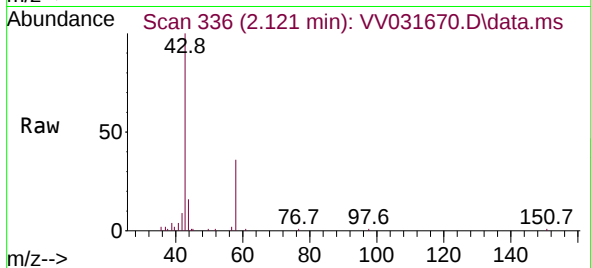
ClientSampleId :

Tgt Ion: 43 Resp: 14992

Ion Ratio Lower Upper

43 100

58 36.5 0.0 72.0



#14

Carbon disulfide

Concen: 5.036 ug/L

RT: 2.246 min Scan# 375

Delta R.T. 0.000 min

Lab File: VV031670.D

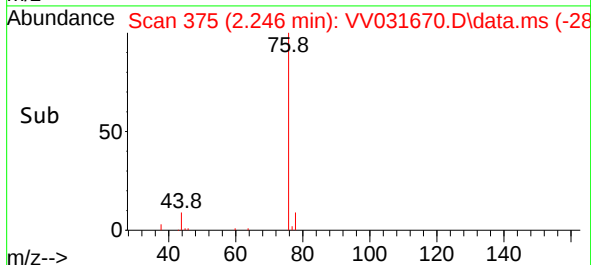
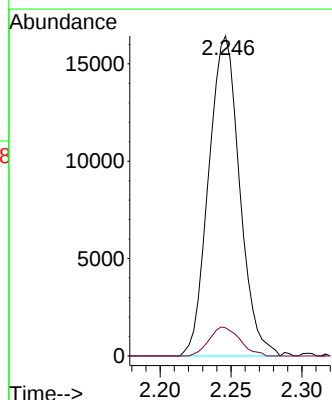
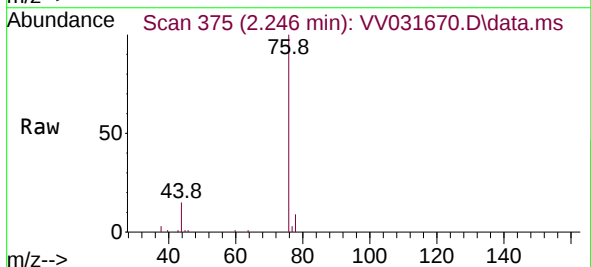
Acq: 11 Jul 2023 10:25

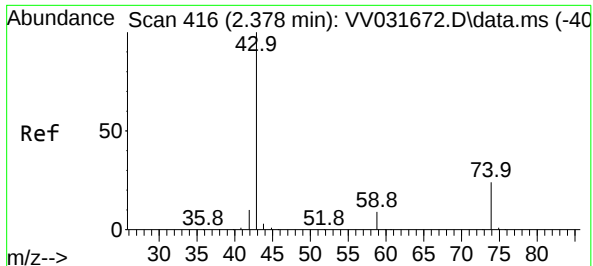
Tgt Ion: 76 Resp: 24990

Ion Ratio Lower Upper

76 100

78 8.8 7.4 11.0

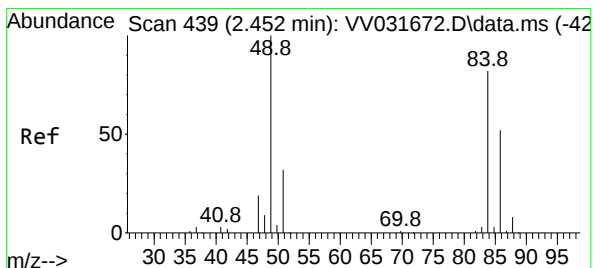
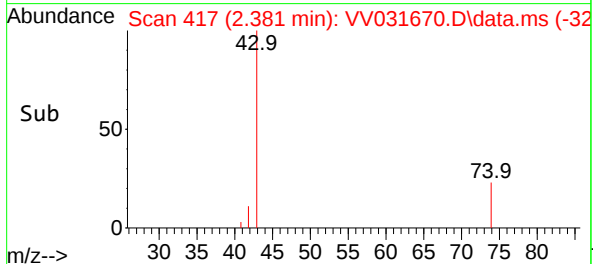
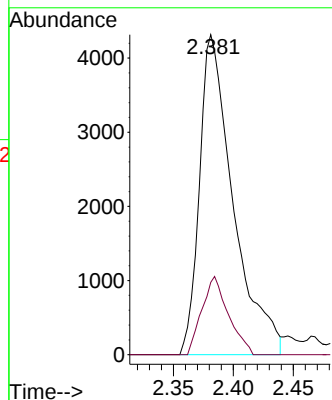
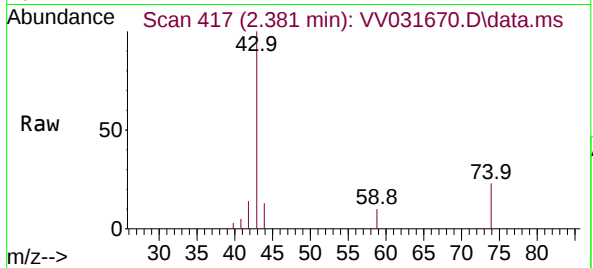




#15  
Methyl Acetate  
Concen: 4.364 ug/L  
RT: 2.381 min Scan# 416  
Delta R.T. 0.003 min  
Lab File: VV031670.D  
Acq: 11 Jul 2023 10:25

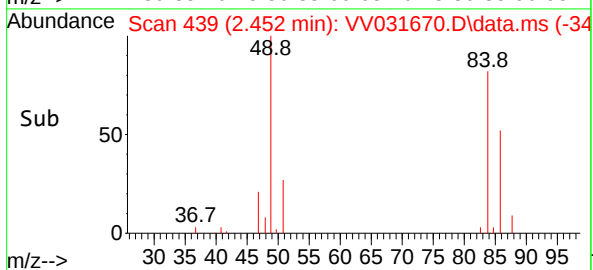
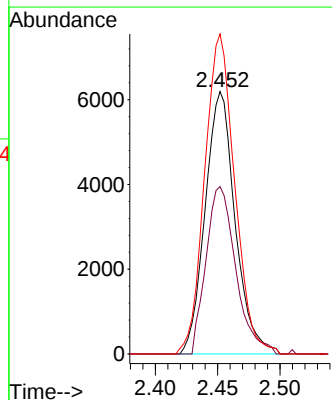
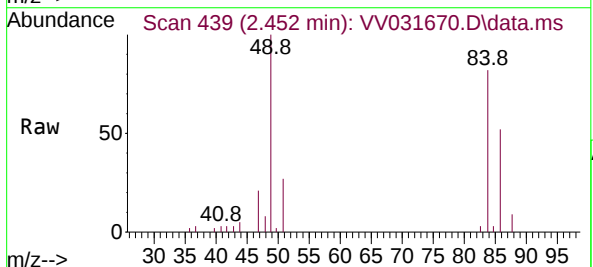
Instrument :  
MSVOA\_V  
ClientSampleId :

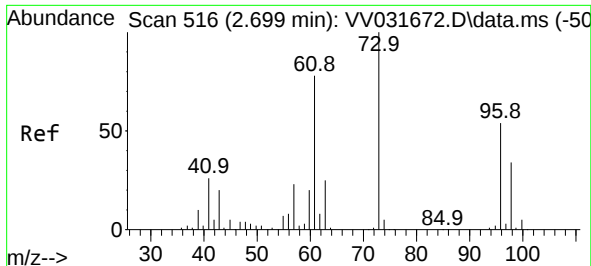
Tgt Ion: 43 Resp: 8427  
Ion Ratio Lower Upper  
43 100  
74 19.3 19.5 29.3#



#16  
Methylene chloride  
Concen: 5.167 ug/L  
RT: 2.452 min Scan# 439  
Delta R.T. 0.000 min  
Lab File: VV031670.D  
Acq: 11 Jul 2023 10:25

Tgt Ion: 84 Resp: 10391  
Ion Ratio Lower Upper  
84 100  
86 61.4 44.5 82.7  
49 120.2 85.3 158.5





#17

trans-1,2-Dichloroethene

Concen: 4.010 ug/L

RT: 2.699 min Scan# 516

Delta R.T. 0.000 min

Lab File: VV031670.D

Acq: 11 Jul 2023 10:25

Instrument :

MSVOA\_V

ClientSampleId :

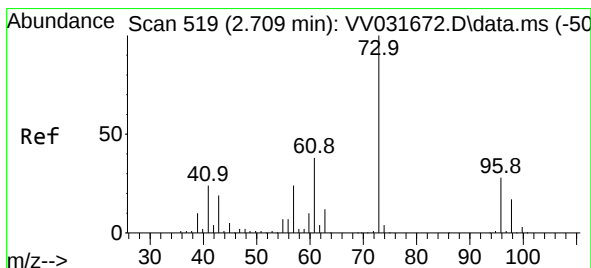
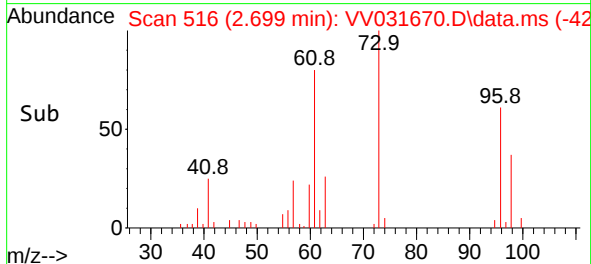
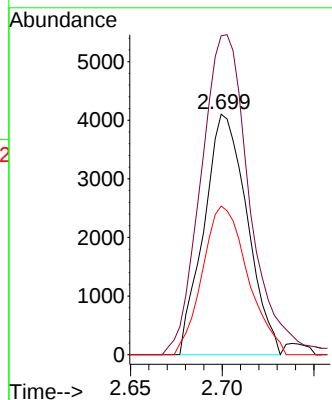
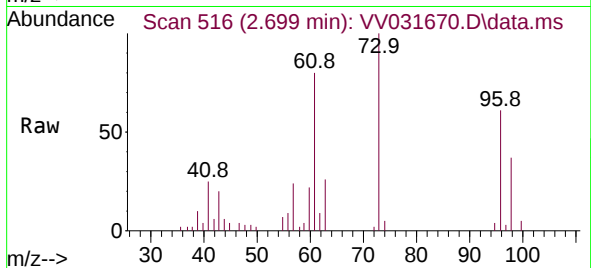
Tgt Ion: 96 Resp: 6701

Ion Ratio Lower Upper

96 100

61 132.6 101.6 188.6

98 61.8 44.7 82.9



#18

Methyl tert-butyl Ether

Concen: 3.539 ug/L

RT: 2.709 min Scan# 519

Delta R.T. 0.000 min

Lab File: VV031670.D

Acq: 11 Jul 2023 10:25

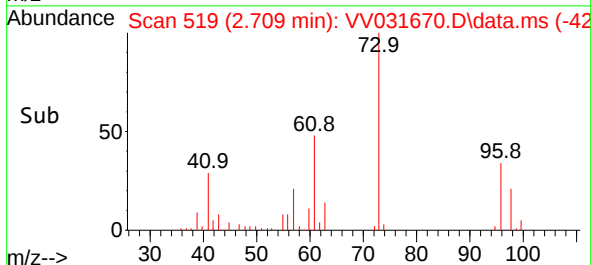
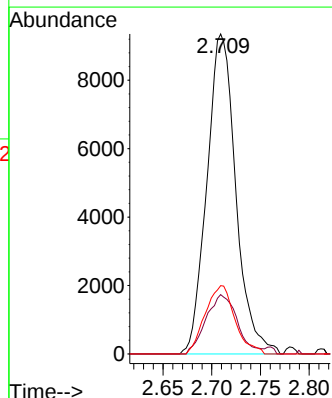
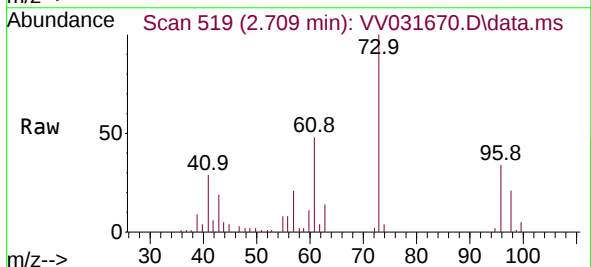
Tgt Ion: 73 Resp: 19339

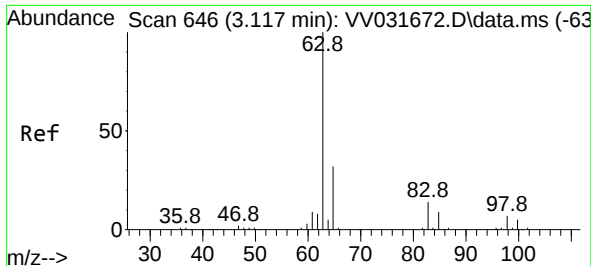
Ion Ratio Lower Upper

73 100

43 20.2 15.0 22.4

57 21.9 18.3 27.5





#19

1,1-Dichloroethane

Concen: 4.380 ug/L

RT: 3.117 min Scan# 646

Delta R.T. 0.000 min

Lab File: VV031670.D

Acq: 11 Jul 2023 10:25

Instrument :

MSVOA\_V

ClientSampleId :

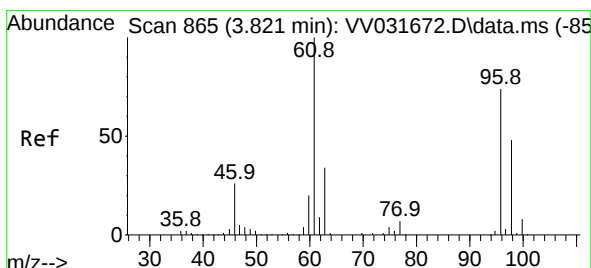
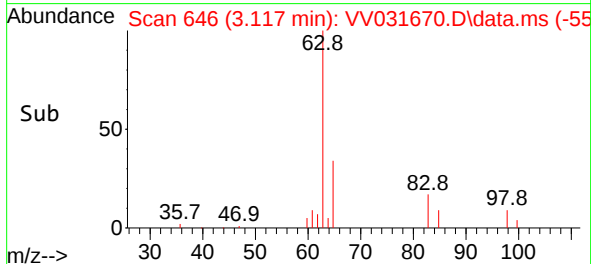
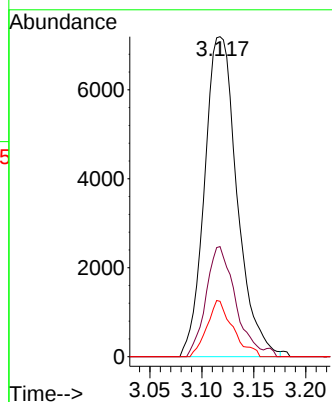
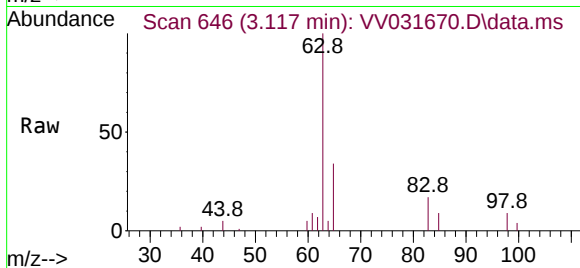
Tgt Ion: 63 Resp: 15670

Ion Ratio Lower Upper

63 100

65 34.4 22.3 41.5

83 17.3 10.6 19.6



#20

cis-1,2-Dichloroethene

Concen: 4.273 ug/L

RT: 3.825 min Scan# 866

Delta R.T. 0.003 min

Lab File: VV031670.D

Acq: 11 Jul 2023 10:25

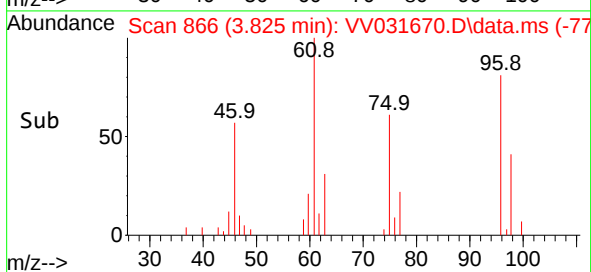
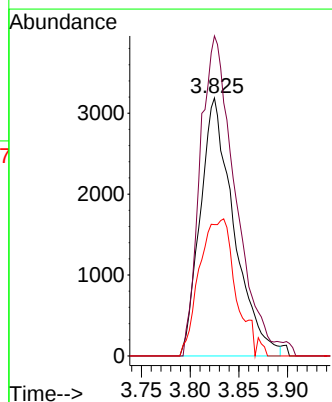
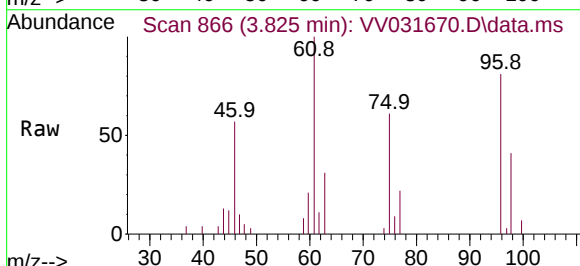
Tgt Ion: 96 Resp: 7640

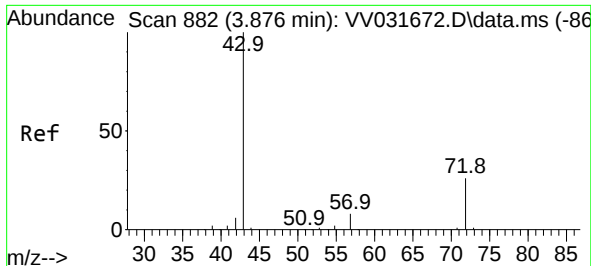
Ion Ratio Lower Upper

96 100

61 137.5 90.6 168.2

98 50.9 43.8 81.3

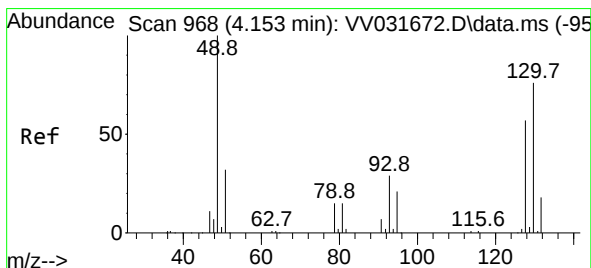
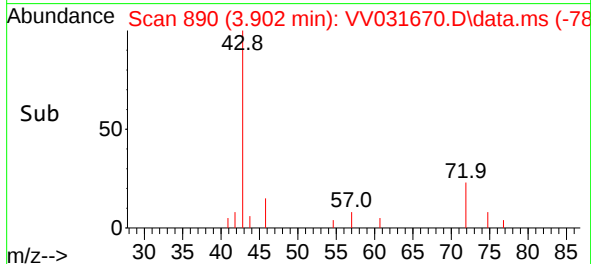
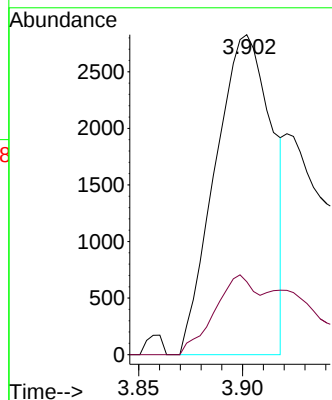
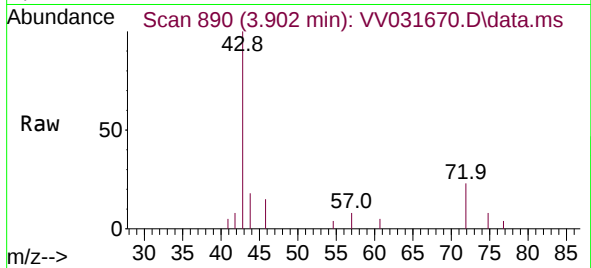




#22  
2-Butanone  
Concen: 3.743 ug/L  
RT: 3.902 min Scan# 890  
Delta R.T. 0.026 min  
Lab File: VV031670.D  
Acq: 11 Jul 2023 10:25

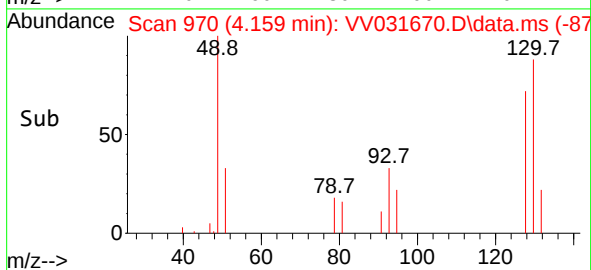
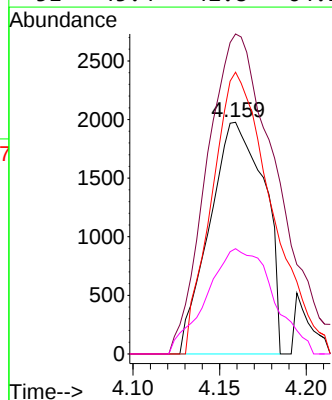
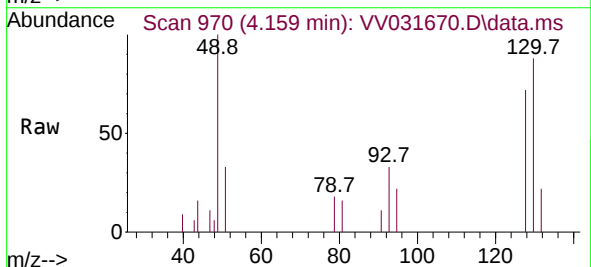
Instrument :  
MSVOA\_V  
ClientSampleId :

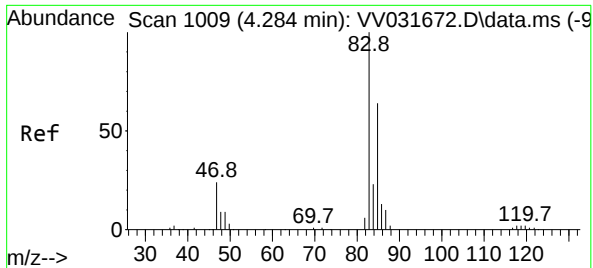
Tgt Ion: 43 Resp: 5381  
Ion Ratio Lower Upper  
43 100  
72 18.5 12.7 38.0



#23  
Bromochloromethane  
Concen: 4.420 ug/L  
RT: 4.159 min Scan# 970  
Delta R.T. 0.007 min  
Lab File: VV031670.D  
Acq: 11 Jul 2023 10:25

Tgt Ion: 128 Resp: 4337  
Ion Ratio Lower Upper  
128 100  
49 138.1 117.9 218.9  
130 121.6 89.1 165.5  
51 45.4 42.8 64.2

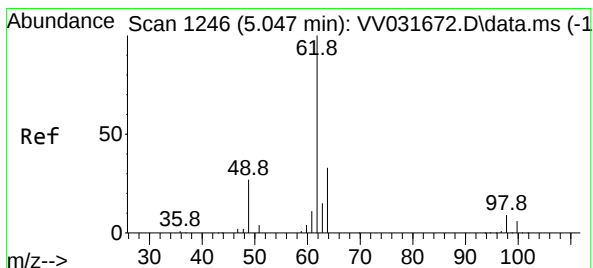
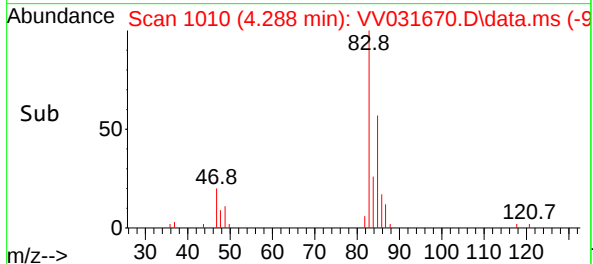
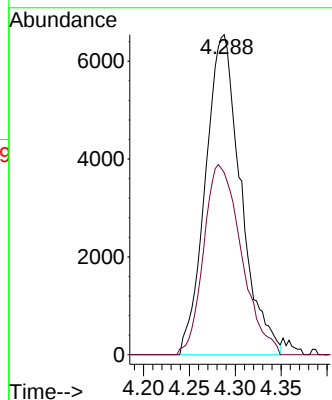
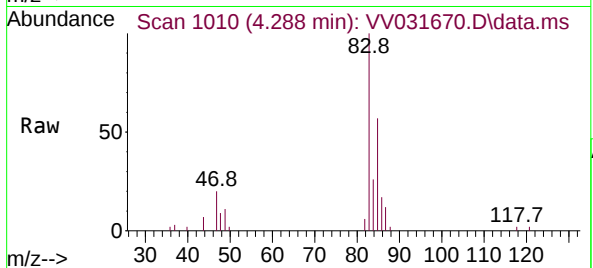




#25  
Chloroform  
Concen: 4.714 ug/L  
RT: 4.288 min Scan# 1009  
Delta R.T. 0.003 min  
Lab File: VV031670.D  
Acq: 11 Jul 2023 10:25

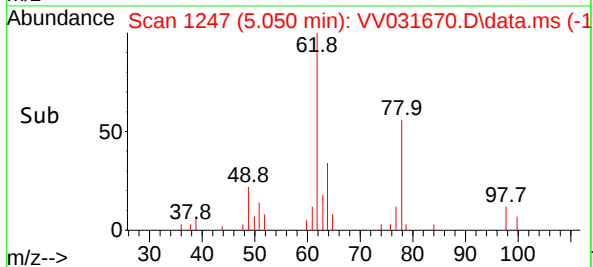
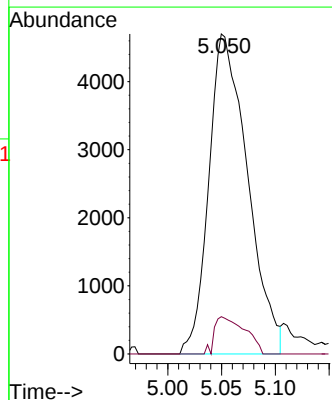
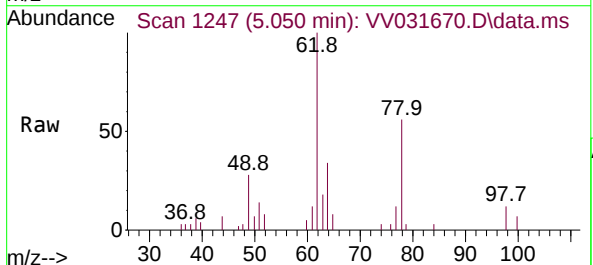
Instrument :  
MSVOA\_V  
ClientSampleId :

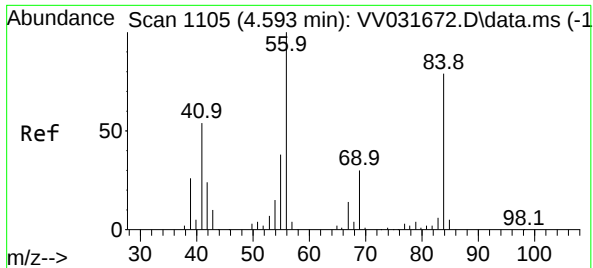
Tgt Ion: 83 Resp: 17545  
Ion Ratio Lower Upper  
83 100  
85 56.9 45.1 83.9



#27  
1,2-Dichloroethane  
Concen: 4.124 ug/L  
RT: 5.050 min Scan# 1247  
Delta R.T. 0.003 min  
Lab File: VV031670.D  
Acq: 11 Jul 2023 10:25

Tgt Ion: 62 Resp: 11766  
Ion Ratio Lower Upper  
62 100  
98 11.7 7.5 11.3#

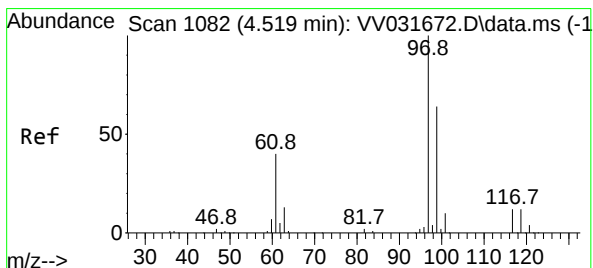
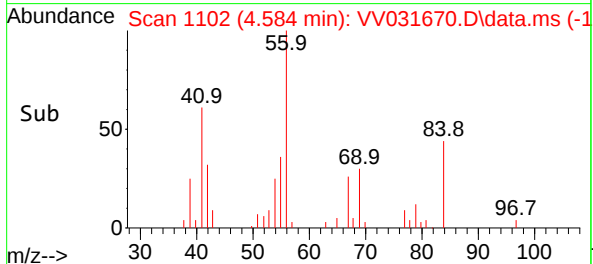
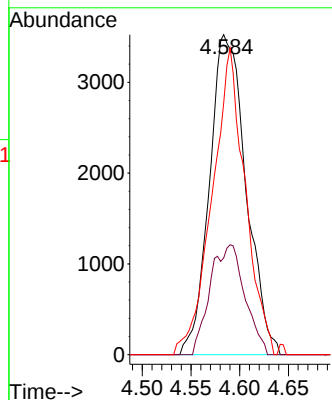
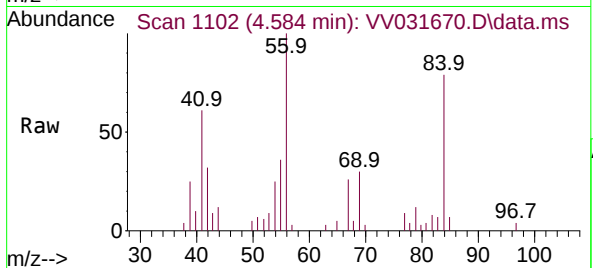




#29  
Cyclohexane  
Concen: 3.235 ug/L  
RT: 4.584 min Scan# 1105  
Delta R.T. -0.010 min  
Lab File: VV031670.D  
Acq: 11 Jul 2023 10:25

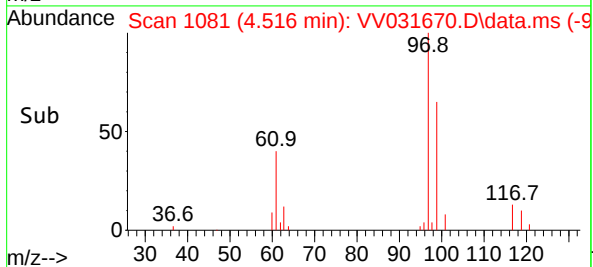
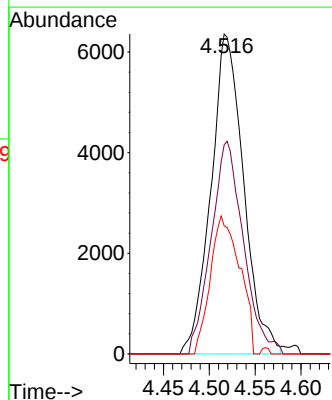
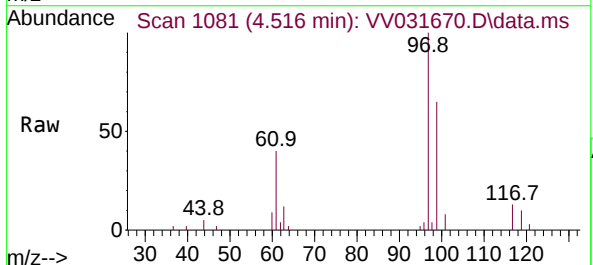
Instrument :  
MSVOA\_V  
ClientSampleId :

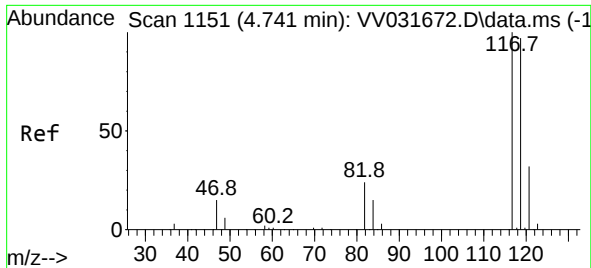
Tgt Ion: 56 Resp: 9197  
Ion Ratio Lower Upper  
56 100  
69 12.2 24.1 36.1#  
84 86.3 63.6 95.4



#30  
1,1,1-Trichloroethane  
Concen: 4.495 ug/L  
RT: 4.516 min Scan# 1081  
Delta R.T. -0.003 min  
Lab File: VV031670.D  
Acq: 11 Jul 2023 10:25

Tgt Ion: 97 Resp: 15742  
Ion Ratio Lower Upper  
97 100  
99 65.0 51.5 77.3  
61 38.9 32.2 48.2

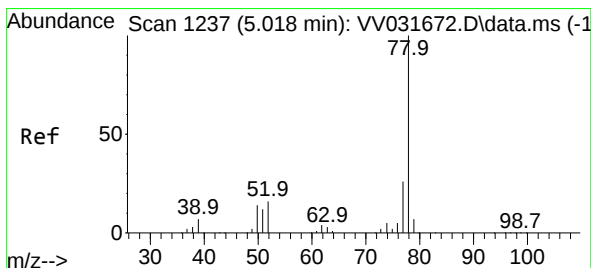
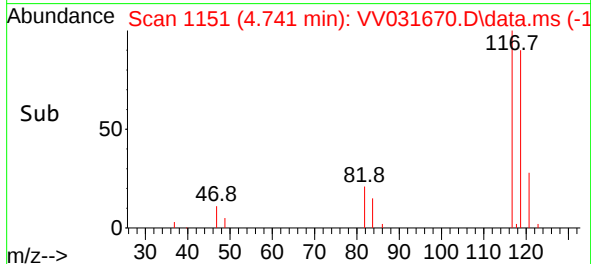
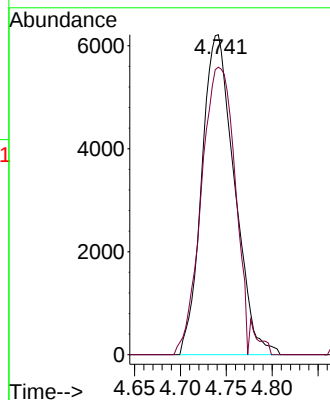
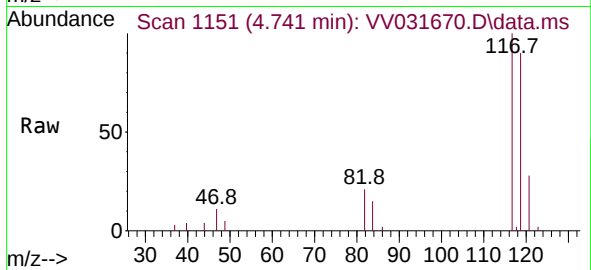




#31  
Carbon tetrachloride  
Concen: 4.960 ug/L  
RT: 4.741 min Scan# 1151  
Delta R.T. 0.000 min  
Lab File: VV031670.D  
Acq: 11 Jul 2023 10:25

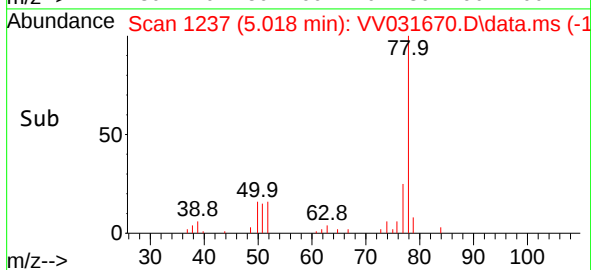
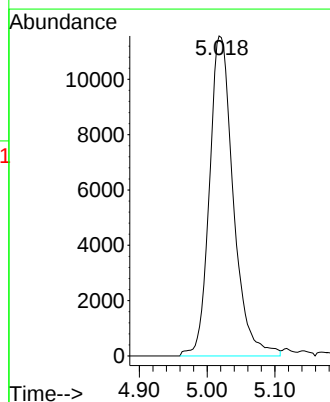
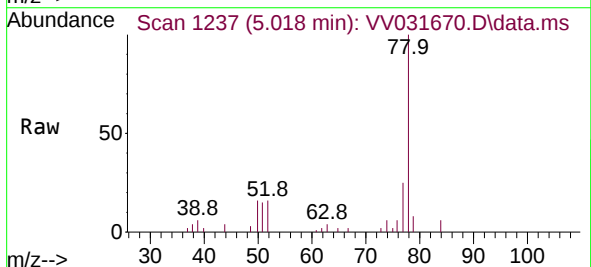
Instrument :  
MSVOA\_V  
ClientSampleId :

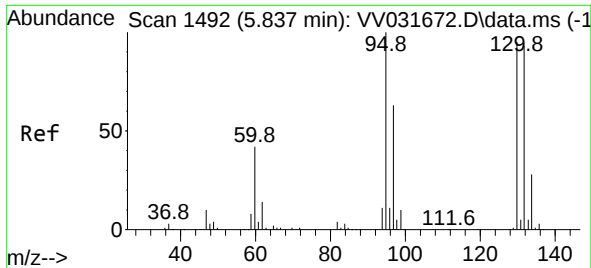
Tgt Ion:117 Resp: 15385  
Ion Ratio Lower Upper  
117 100  
119 91.8 78.0 117.0



#33  
Benzene  
Concen: 3.882 ug/L  
RT: 5.018 min Scan# 1237  
Delta R.T. 0.000 min  
Lab File: VV031670.D  
Acq: 11 Jul 2023 10:25

Tgt Ion: 78 Resp: 28357



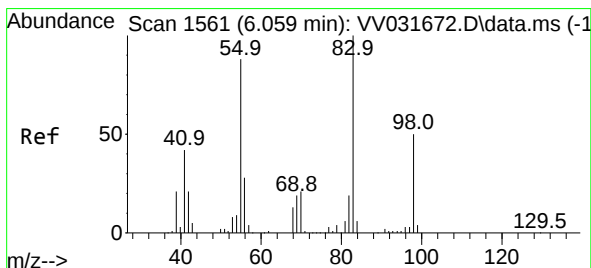
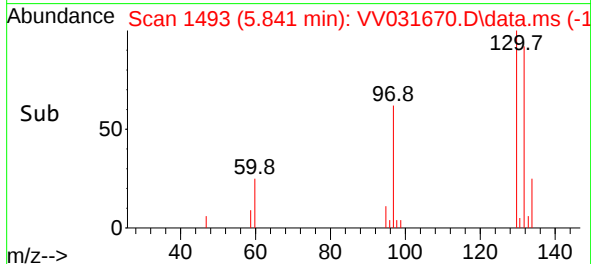
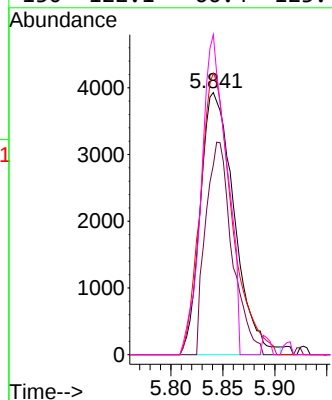
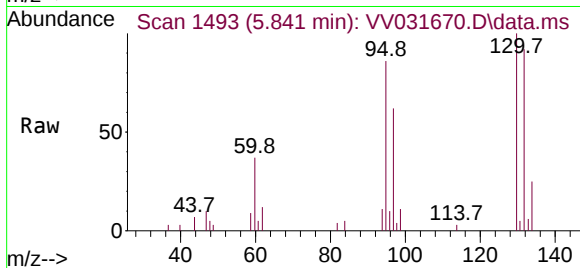


#34  
Trichloroethene  
Concen: 4.494 ug/L  
RT: 5.841 min Scan# 1492  
Delta R.T. 0.003 min  
Lab File: VV031670.D  
Acq: 11 Jul 2023 10:25

Instrument :  
MSVOA\_V  
ClientSampleId :

Tgt Ion: 95 Resp: 8882

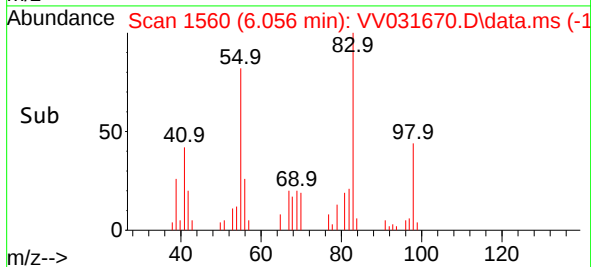
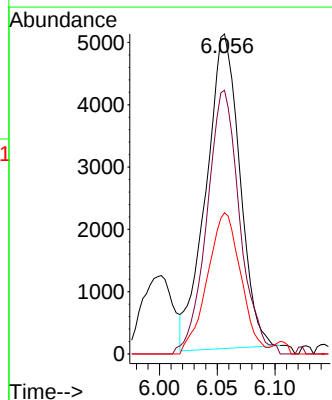
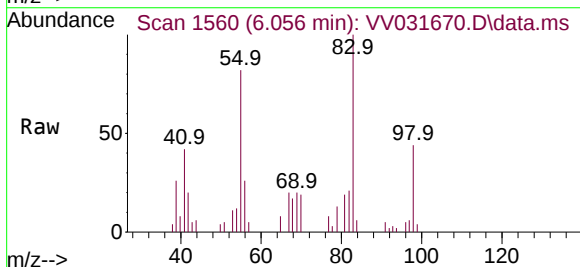
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 97  | 77.1  | 47.0  | 87.2  |
| 132 | 107.5 | 64.8  | 120.4 |
| 130 | 122.1 | 66.4  | 123.4 |

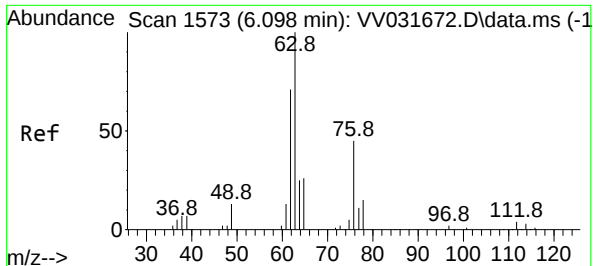


#35  
Methylcyclohexane  
Concen: 3.580 ug/L  
RT: 6.056 min Scan# 1560  
Delta R.T. -0.003 min  
Lab File: VV031670.D  
Acq: 11 Jul 2023 10:25

Tgt Ion: 83 Resp: 10232

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 83  | 100   |       |       |
| 55  | 81.6  | 69.4  | 104.2 |
| 98  | 44.9  | 38.2  | 57.2  |





#37

1,2-Dichloropropane

Concen: 4.266 ug/L

RT: 6.104 min Scan# 1

Delta R.T. 0.007 min

Lab File: VV031670.D

Acq: 11 Jul 2023 10:25

Instrument :

MSVOA\_V

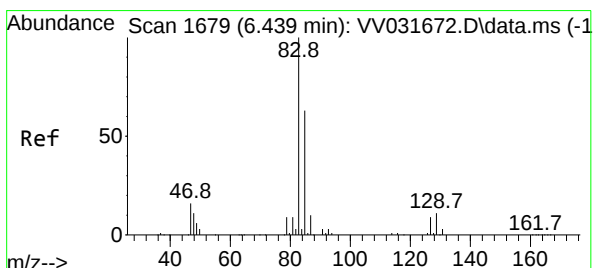
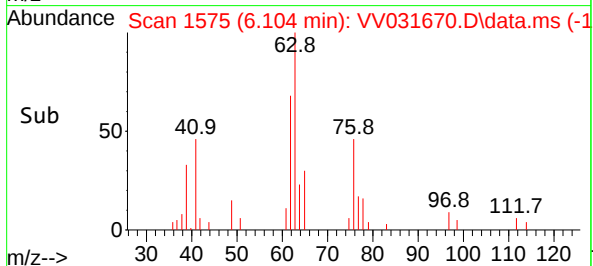
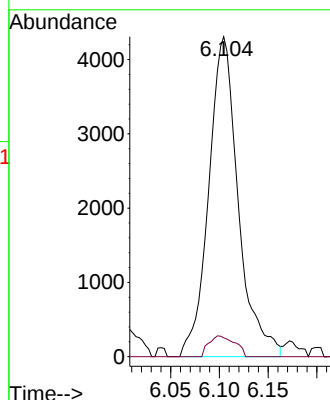
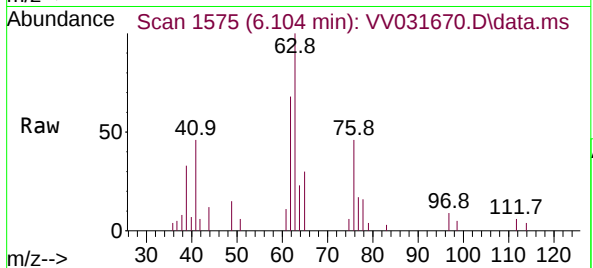
ClientSampleId :

Tgt Ion: 63 Resp: 9096

Ion Ratio Lower Upper

63 100

112 5.7 3.7 5.5#



#38

Bromodichloromethane

Concen: 4.387 ug/L

RT: 6.439 min Scan# 1679

Delta R.T. 0.000 min

Lab File: VV031670.D

Acq: 11 Jul 2023 10:25

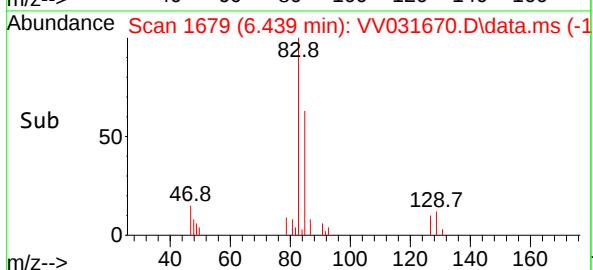
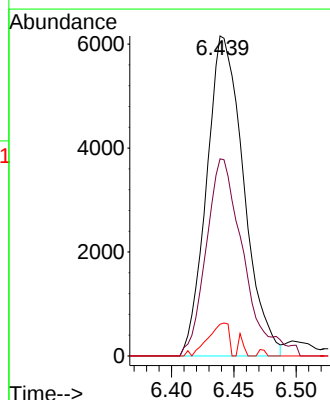
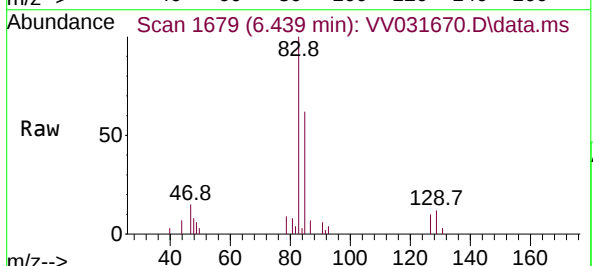
Tgt Ion: 83 Resp: 12726

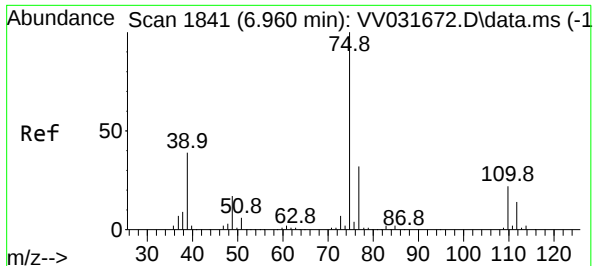
Ion Ratio Lower Upper

83 100

85 61.6 44.2 82.0

127 9.9 7.8 11.6





#39

cis-1,3-Dichloropropene

Concen: 3.335 ug/L

RT: 6.963 min Scan# 11

Delta R.T. 0.003 min

Lab File: VV031670.D

Acq: 11 Jul 2023 10:25

Instrument :

MSVOA\_V

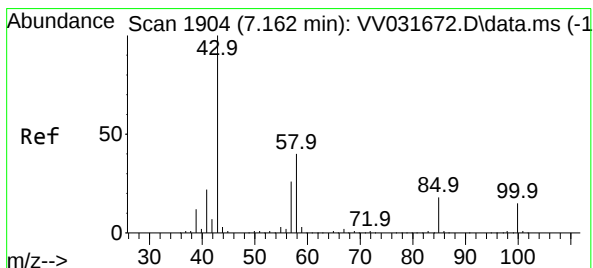
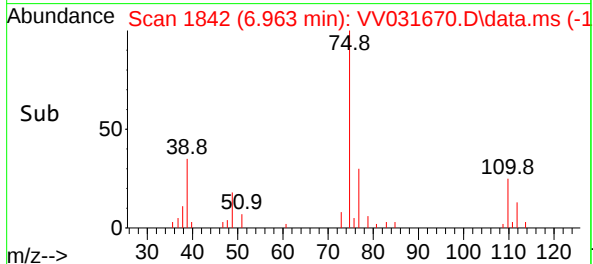
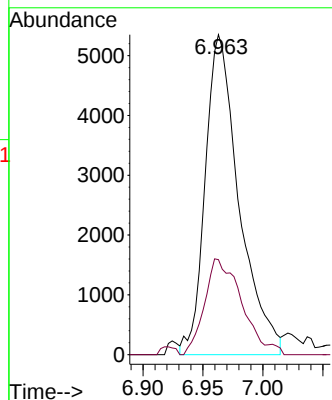
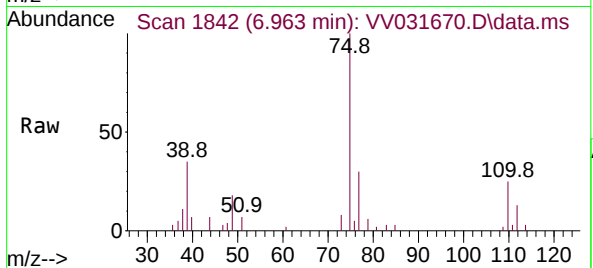
ClientSampleId :

Tgt Ion: 75 Resp: 10507

Ion Ratio Lower Upper

75 100

77 29.7 22.1 41.1



#40

4-Methyl-2-pentanone

Concen: 5.761 ug/L

RT: 7.169 min Scan# 1906

Delta R.T. 0.007 min

Lab File: VV031670.D

Acq: 11 Jul 2023 10:25

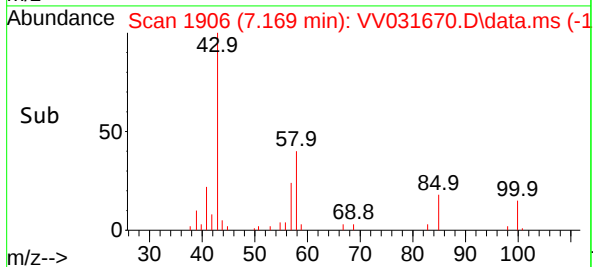
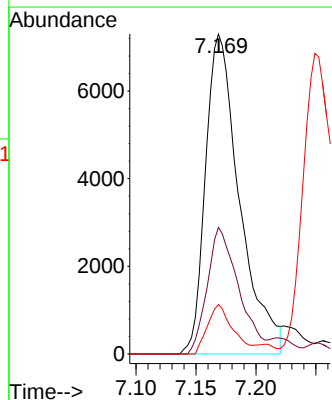
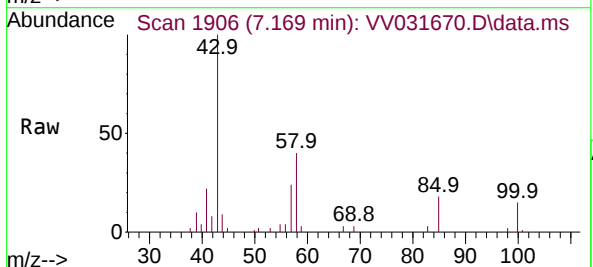
Tgt Ion: 43 Resp: 14404

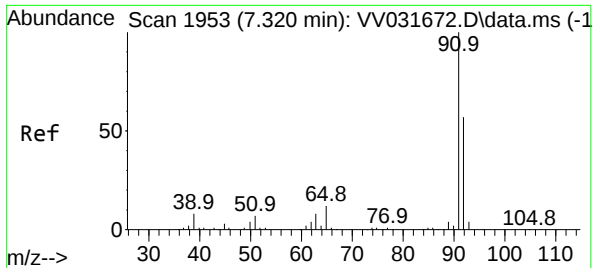
Ion Ratio Lower Upper

43 100

58 36.4 32.1 48.1

100 11.6 12.1 18.1#





#42

Toluene

Concen: 3.421 ug/L

RT: 7.323 min Scan# 1953

Delta R.T. 0.003 min

Lab File: VV031670.D

Acq: 11 Jul 2023 10:25

Instrument :

MSVOA\_V

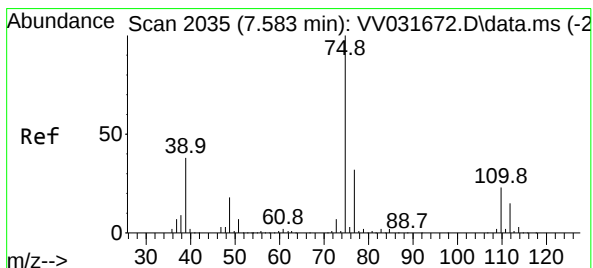
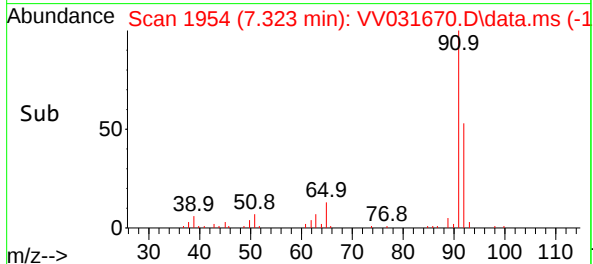
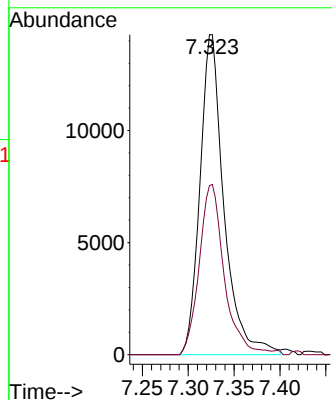
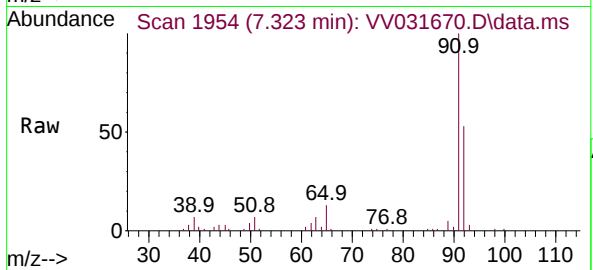
ClientSampleId :

Tgt Ion: 91 Resp: 25981

Ion Ratio Lower Upper

91 100

92 52.9 39.8 73.8



#44

trans-1,3-Dichloropropene

Concen: 3.196 ug/L

RT: 7.590 min Scan# 2037

Delta R.T. 0.007 min

Lab File: VV031670.D

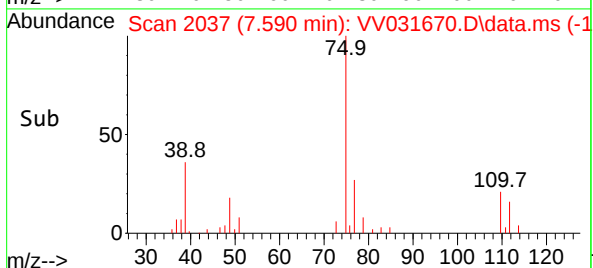
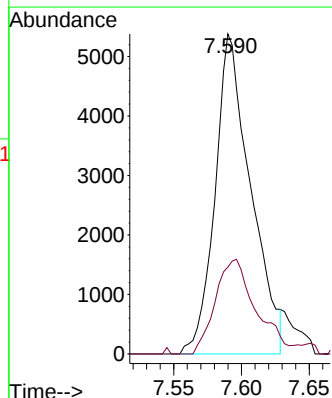
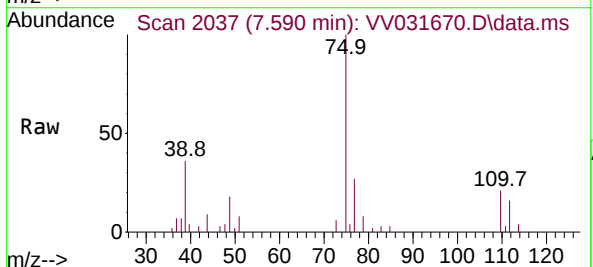
Acq: 11 Jul 2023 10:25

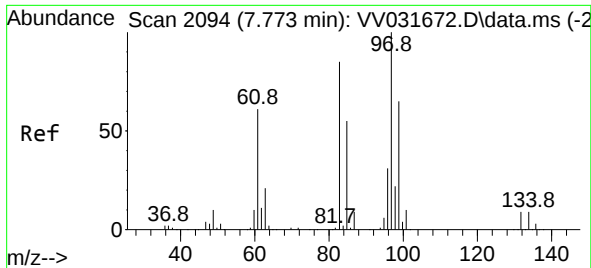
Tgt Ion: 75 Resp: 9832

Ion Ratio Lower Upper

75 100

77 27.2 22.3 41.3





#45

1,1,2-Trichloroethane

Concen: 4.551 ug/L

RT: 7.776 min Scan# 2094

Delta R.T. 0.003 min

Lab File: VV031670.D

Acq: 11 Jul 2023 10:25

Instrument :

MSVOA\_V

ClientSampleId :

Tgt Ion: 97 Resp: 9251

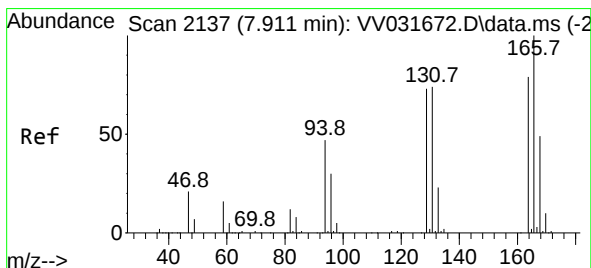
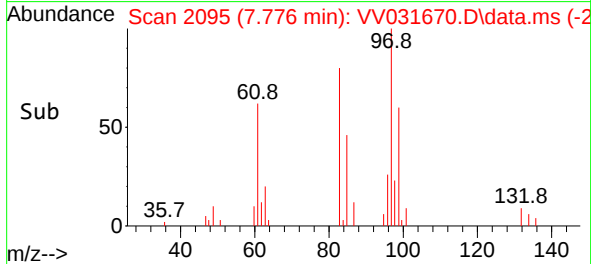
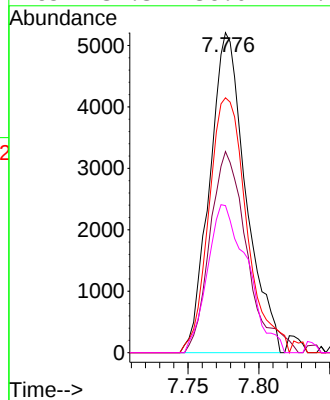
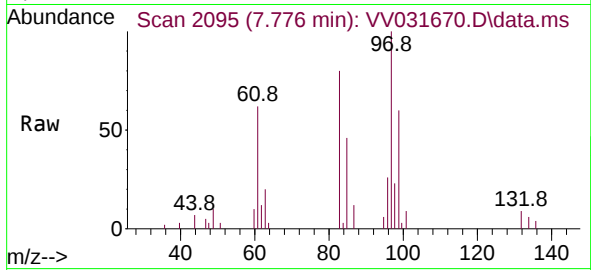
Ion Ratio Lower Upper

97 100

99 51.0 45.2 84.0

83 64.6 59.5 110.5

85 37.3 38.6 71.8#



#46

Tetrachloroethene

Concen: 4.130 ug/L

RT: 7.911 min Scan# 2137

Delta R.T. 0.000 min

Lab File: VV031670.D

Acq: 11 Jul 2023 10:25

Tgt Ion:164 Resp: 6369

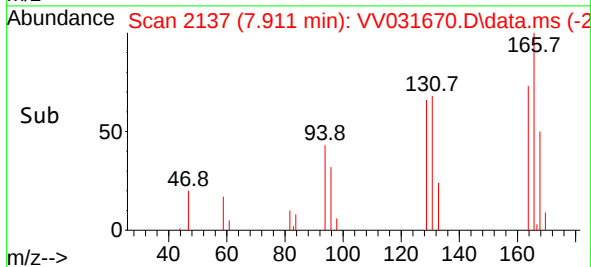
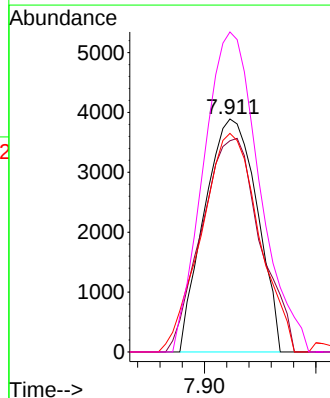
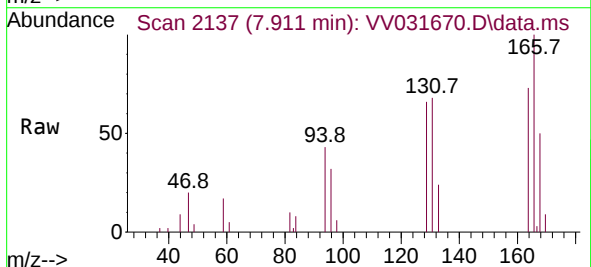
Ion Ratio Lower Upper

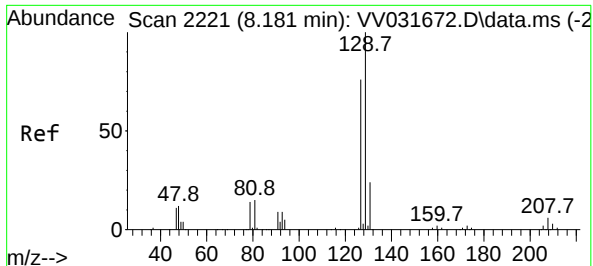
164 100

129 90.7 65.2 121.0

131 93.9 67.1 124.7

166 141.5 91.4 169.8





#49

Dibromochloromethane

Concen: 4.463 ug/L

RT: 8.185 min Scan# 21

Delta R.T. 0.003 min

Lab File: VV031670.D

Acq: 11 Jul 2023 10:25

Instrument :

MSVOA\_V

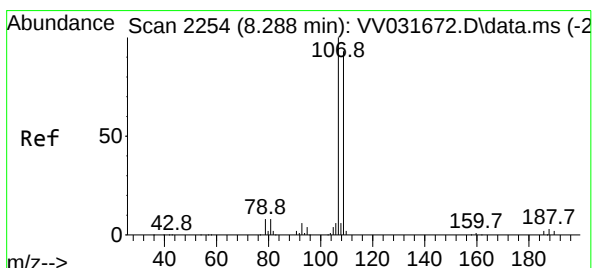
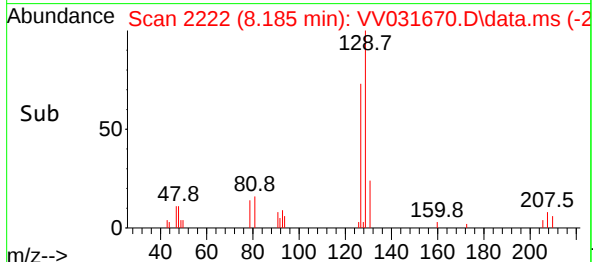
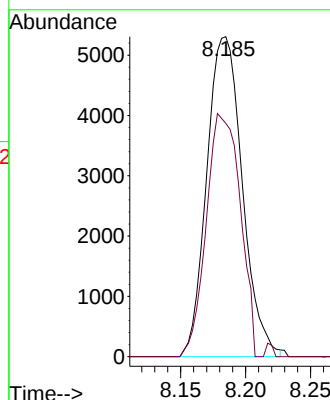
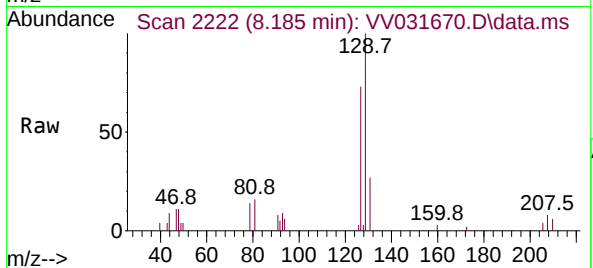
ClientSampleId :

Tgt Ion:129 Resp: 10108

Ion Ratio Lower Upper

129 100

127 72.9 55.2 102.6



#50

1,2-Dibromoethane

Concen: 4.018 ug/L

RT: 8.294 min Scan# 2256

Delta R.T. 0.007 min

Lab File: VV031670.D

Acq: 11 Jul 2023 10:25

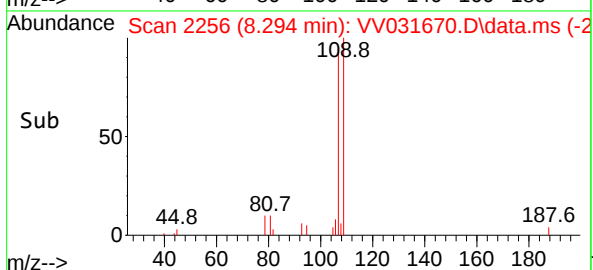
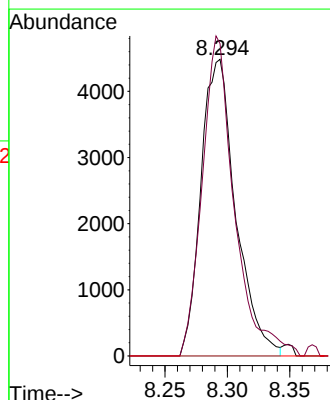
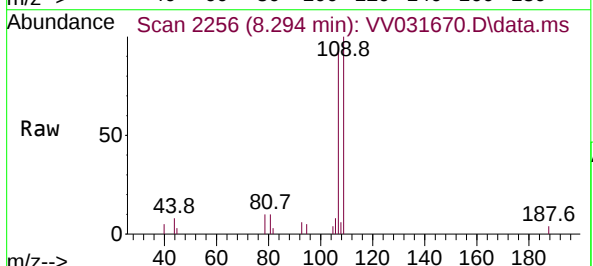
Tgt Ion:107 Resp: 8724

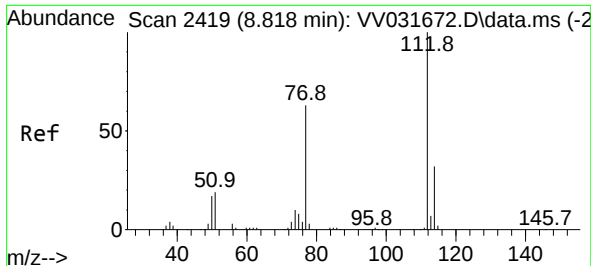
Ion Ratio Lower Upper

107 100

109 105.3 65.4 121.4

188 0.0 2.8 4.2#

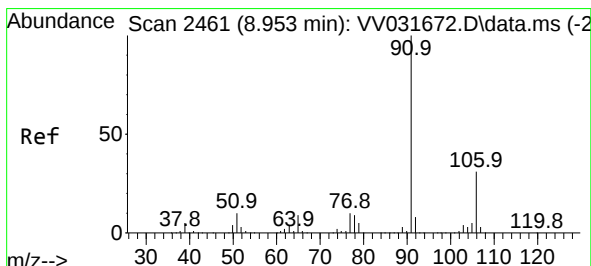
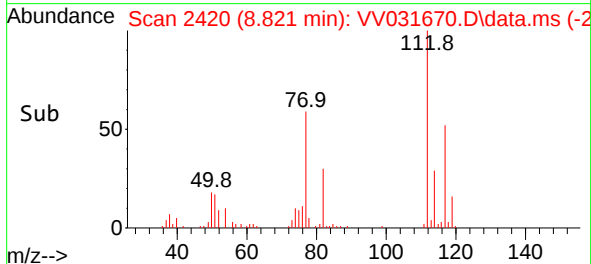
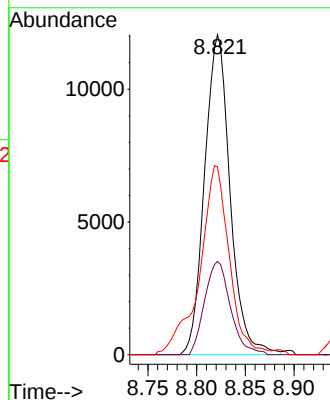
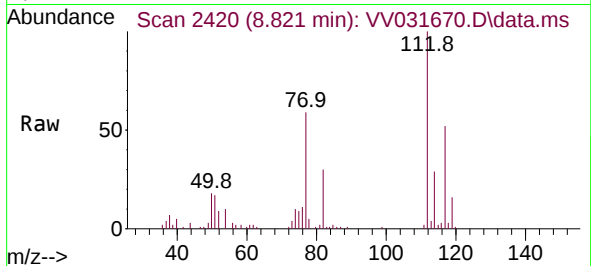




#51  
Chlorobenzene  
Concen: 4.378 ug/L  
RT: 8.821 min Scan# 2419  
Delta R.T. 0.003 min  
Lab File: VV031670.D  
Acq: 11 Jul 2023 10:25

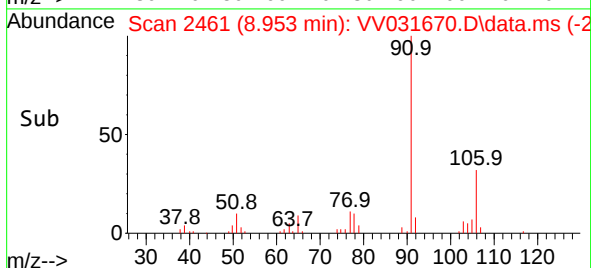
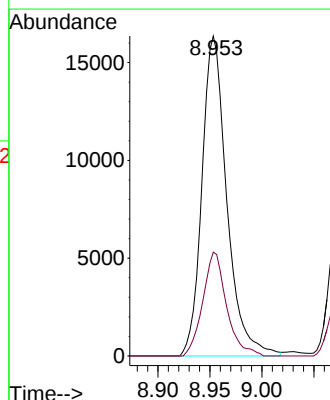
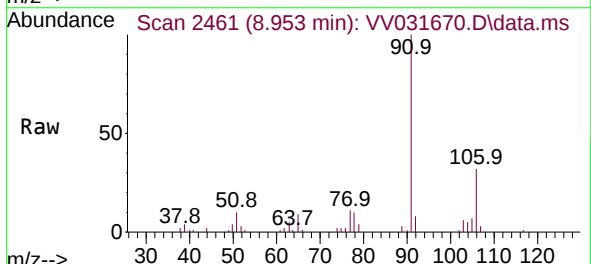
Instrument :  
MSVOA\_V  
ClientSampleId :

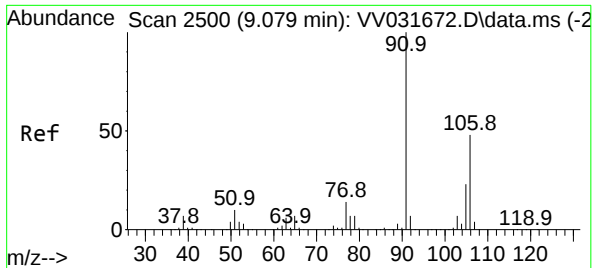
Tgt Ion:112 Resp: 21978  
Ion Ratio Lower Upper  
112 100  
114 29.2 22.2 41.2  
77 58.7 50.6 76.0



#52  
Ethylbenzene  
Concen: 3.243 ug/L  
RT: 8.953 min Scan# 2461  
Delta R.T. 0.000 min  
Lab File: VV031670.D  
Acq: 11 Jul 2023 10:25

Tgt Ion: 91 Resp: 27228  
Ion Ratio Lower Upper  
91 100  
106 32.5 21.5 39.9

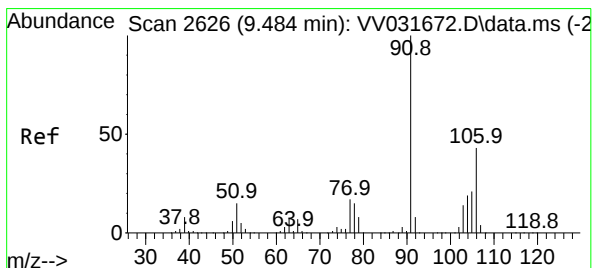
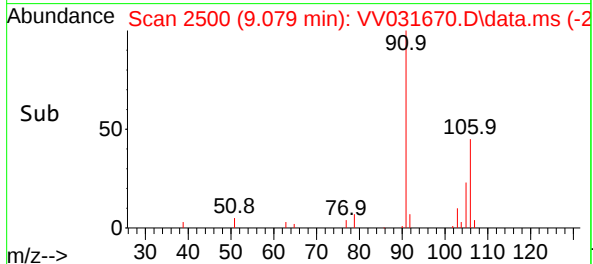
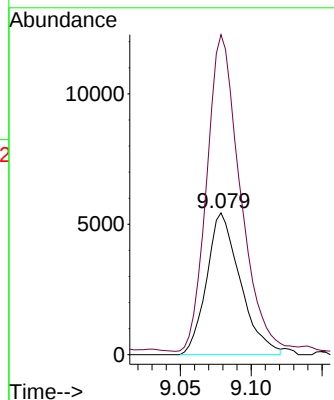
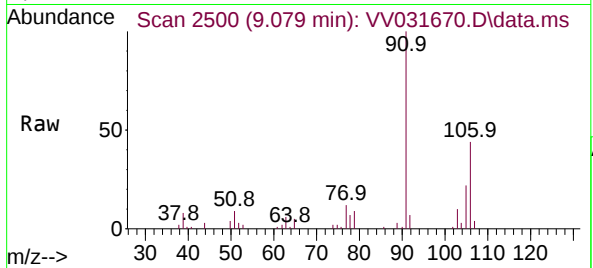




#53  
m,p-Xylene  
Concen: 2.897 ug/L  
RT: 9.079 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VV031670.D  
Acq: 11 Jul 2023 10:25

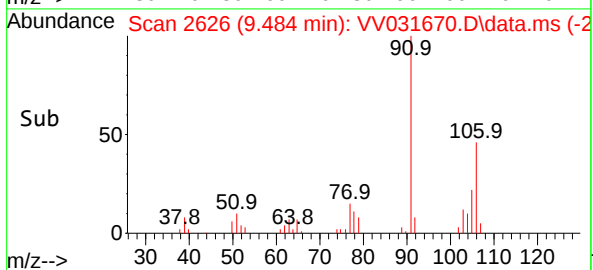
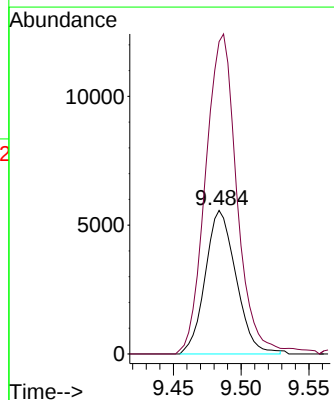
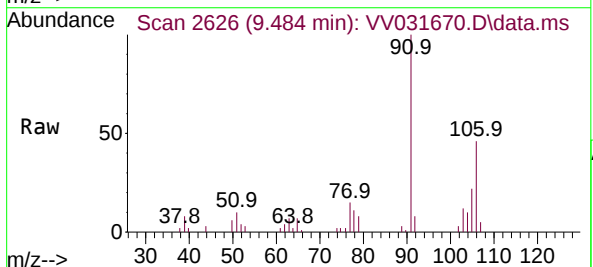
Instrument :  
MSVOA\_V  
ClientSampleId :

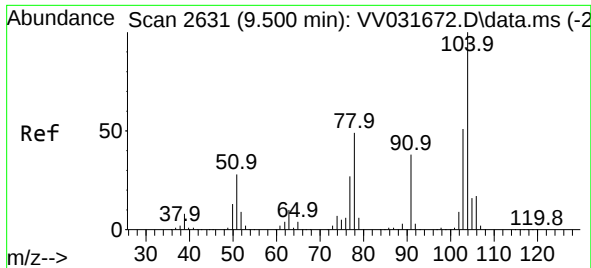
Tgt Ion:106 Resp: 8988  
Ion Ratio Lower Upper  
106 100  
91 225.8 145.6 270.4



#54  
o-Xylene  
Concen: 3.012 ug/L  
RT: 9.484 min Scan# 2626  
Delta R.T. 0.000 min  
Lab File: VV031670.D  
Acq: 11 Jul 2023 10:25

Tgt Ion:106 Resp: 8790  
Ion Ratio Lower Upper  
106 100  
91 217.6 163.0 302.6

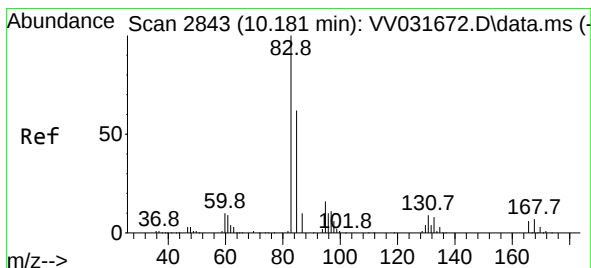
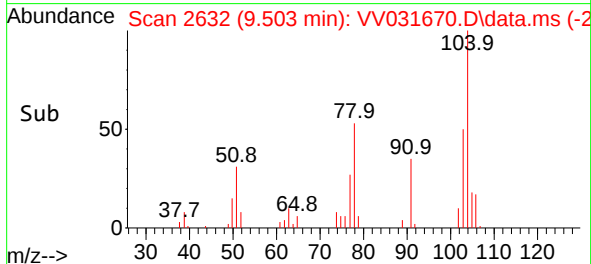
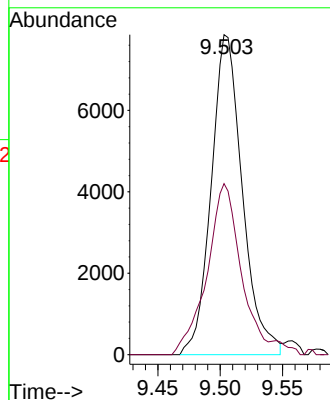
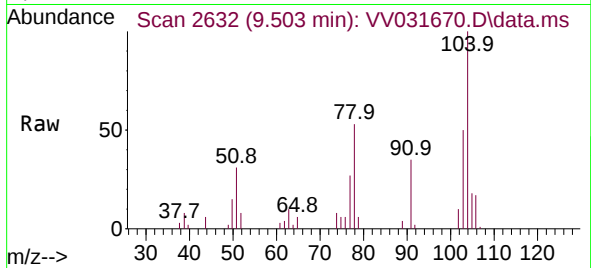




#55  
Styrene  
Concen: 2.593 ug/L  
RT: 9.503 min Scan# 20  
Delta R.T. 0.003 min  
Lab File: VV031670.D  
Acq: 11 Jul 2023 10:25

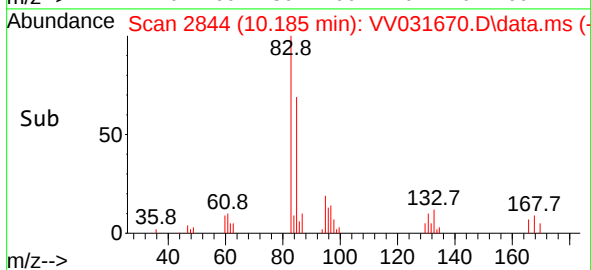
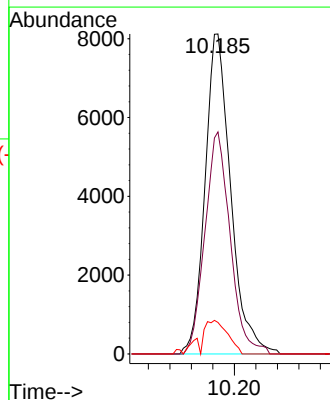
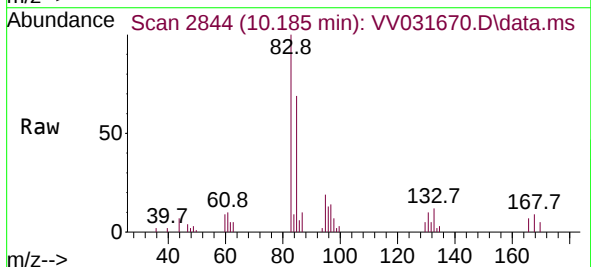
Instrument :  
MSVOA\_V  
ClientSampleId :

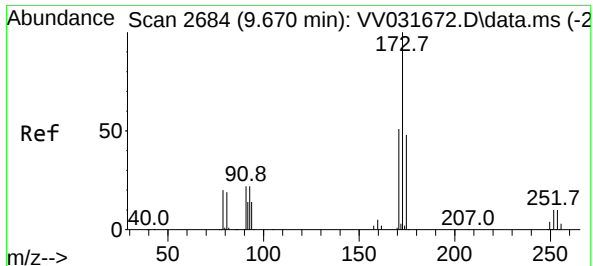
Tgt Ion:104 Resp: 13689  
Ion Ratio Lower Upper  
104 100  
78 53.4 34.4 64.0



#57  
1,1,2,2-Tetrachloroethane  
Concen: 4.106 ug/L  
RT: 10.185 min Scan# 2844  
Delta R.T. 0.003 min  
Lab File: VV031670.D  
Acq: 11 Jul 2023 10:25

Tgt Ion: 83 Resp: 13444  
Ion Ratio Lower Upper  
83 100  
85 75.7 43.4 80.6  
131 14.8 10.9 16.3

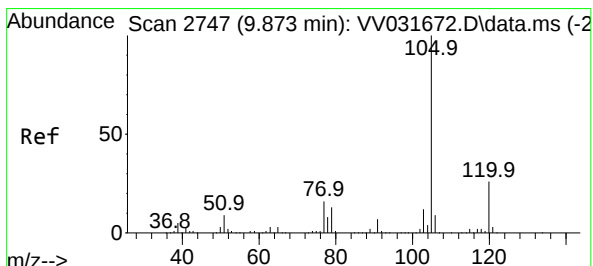
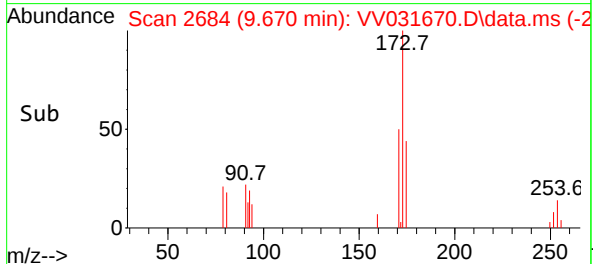
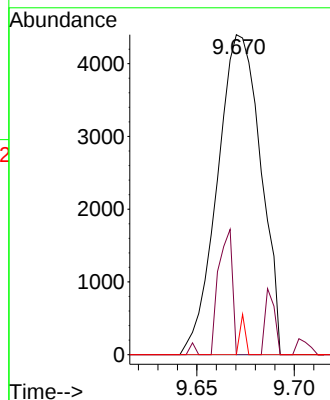
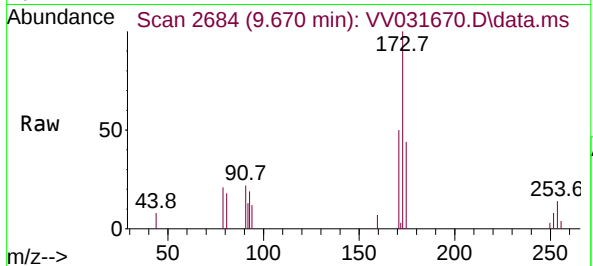




#59  
Bromoform  
Concen: 4.295 ug/L  
RT: 9.670 min Scan# 20  
Delta R.T. 0.000 min  
Lab File: VV031670.D  
Acq: 11 Jul 2023 10:25

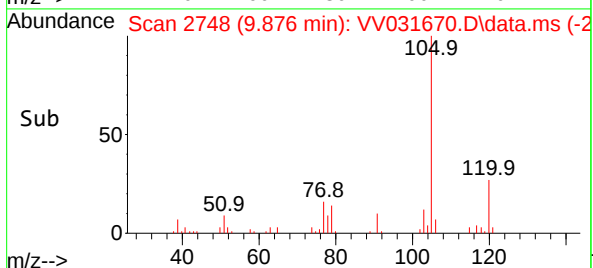
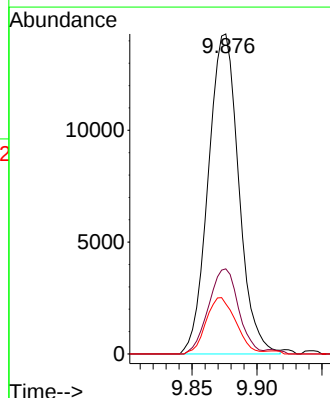
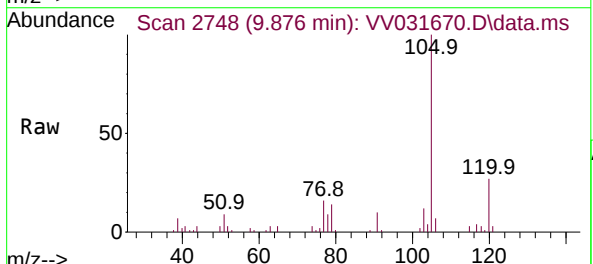
Instrument :  
MSVOA\_V  
ClientSampleId :

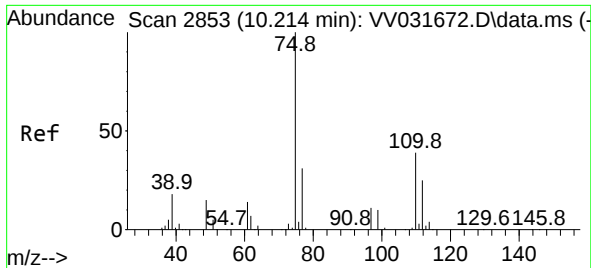
Tgt Ion:173 Resp: 6823  
Ion Ratio Lower Upper  
173 100  
175 12.3 38.6 58.0#  
254 0.0 6.9 10.3#



#60  
Isopropylbenzene  
Concen: 2.914 ug/L  
RT: 9.876 min Scan# 2748  
Delta R.T. 0.003 min  
Lab File: VV031670.D  
Acq: 11 Jul 2023 10:25

Tgt Ion:105 Resp: 23312  
Ion Ratio Lower Upper  
105 100  
120 26.3 20.6 30.8  
77 17.3 13.2 19.8

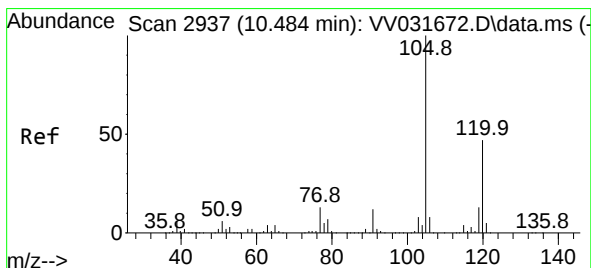
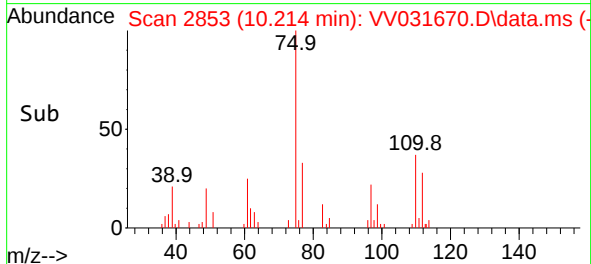
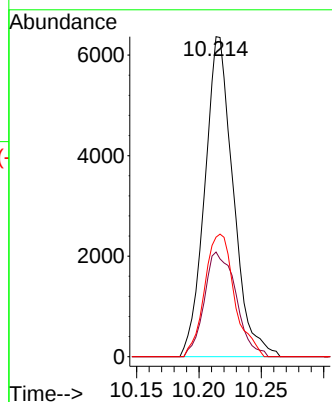
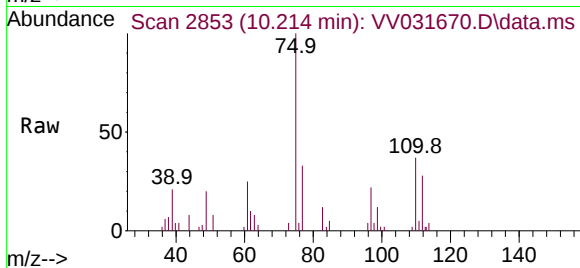




#61  
1,2,3-Trichloropropane  
Concen: 4.004 ug/L  
RT: 10.214 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VV031670.D  
Acq: 11 Jul 2023 10:25

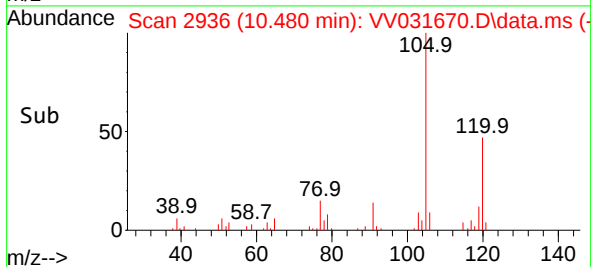
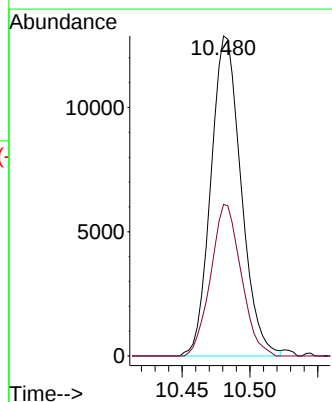
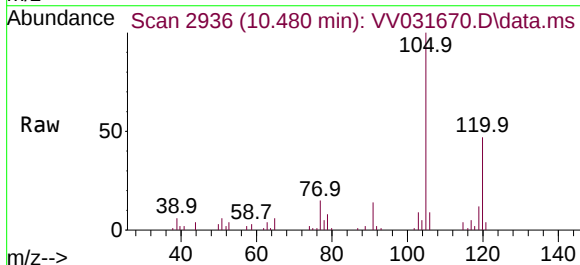
Instrument :  
MSVOA\_V  
ClientSampleId :

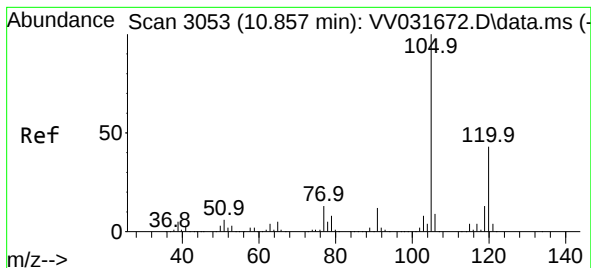
Tgt Ion: 75 Resp: 10091  
Ion Ratio Lower Upper  
75 100  
77 36.4 25.1 37.7  
110 40.2 31.4 47.0



#62  
1,3,5-Trimethylbenzene  
Concen: 3.034 ug/L  
RT: 10.480 min Scan# 2936  
Delta R.T. -0.003 min  
Lab File: VV031670.D  
Acq: 11 Jul 2023 10:25

Tgt Ion:105 Resp: 19978  
Ion Ratio Lower Upper  
105 100  
120 47.5 37.4 56.0





#63

1,2,4-Trimethylbenzene

Concen: 2.965 ug/L

RT: 10.857 min Scan# 3053

Delta R.T. 0.000 min

Lab File: VV031670.D

Acq: 11 Jul 2023 10:25

Instrument :

MSVOA\_V

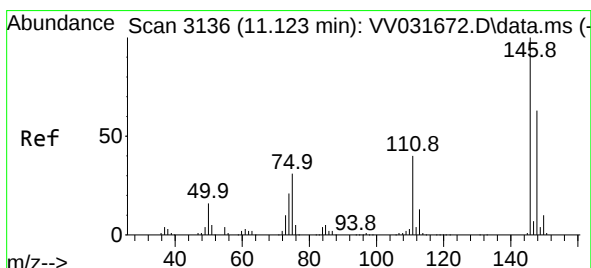
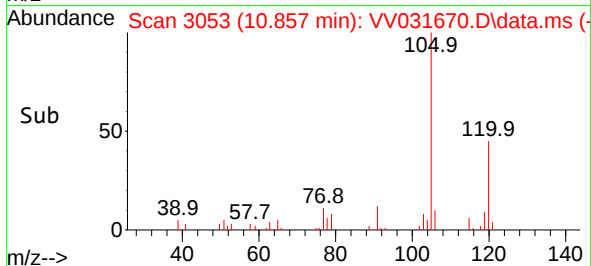
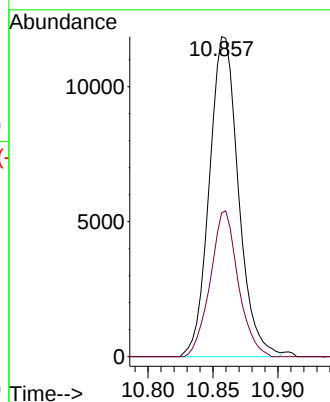
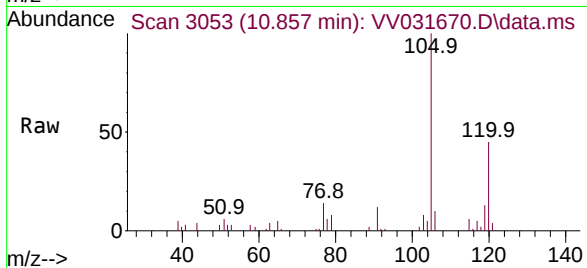
ClientSampleId :

Tgt Ion:105 Resp: 18507

Ion Ratio Lower Upper

105 100

120 43.6 34.7 52.1



#64

1,3-Dichlorobenzene

Concen: 4.095 ug/L

RT: 11.124 min Scan# 3136

Delta R.T. 0.000 min

Lab File: VV031670.D

Acq: 11 Jul 2023 10:25

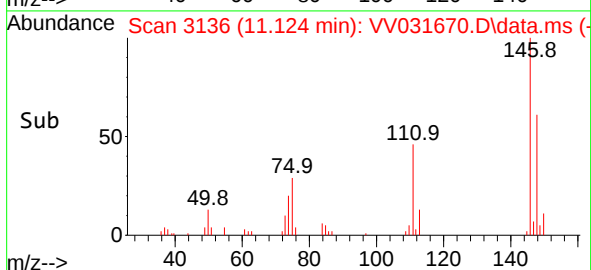
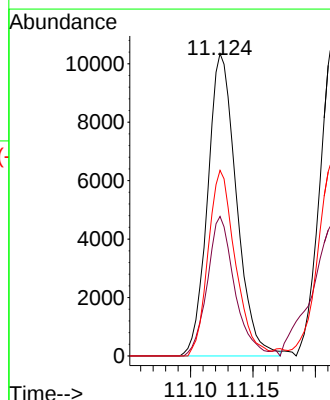
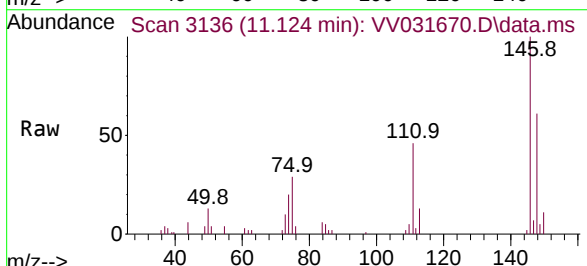
Tgt Ion:146 Resp: 16623

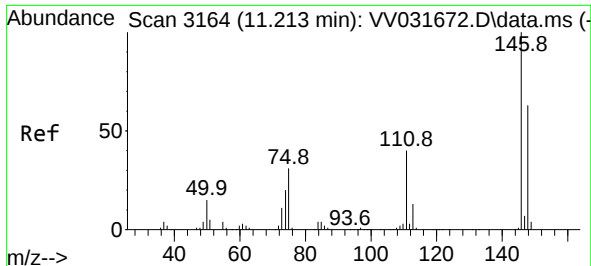
Ion Ratio Lower Upper

146 100

111 49.4 28.3 52.5

148 66.7 44.2 82.2

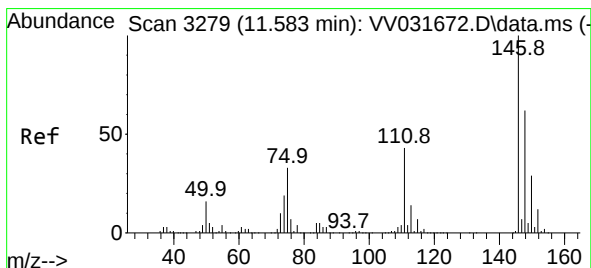
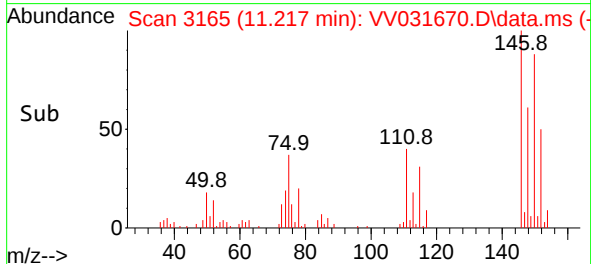
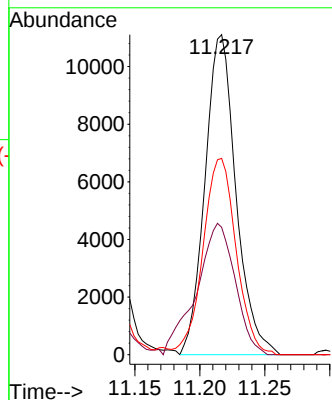
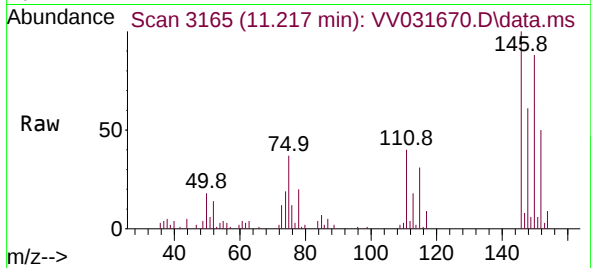




#65  
1,4-Dichlorobenzene  
Concen: 4.252 ug/L  
RT: 11.217 min Scan# 3165  
Delta R.T. 0.003 min  
Lab File: VV031670.D  
Acq: 11 Jul 2023 10:25

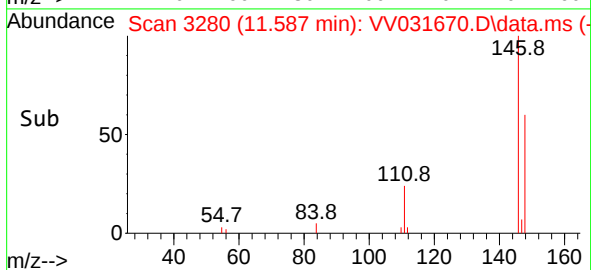
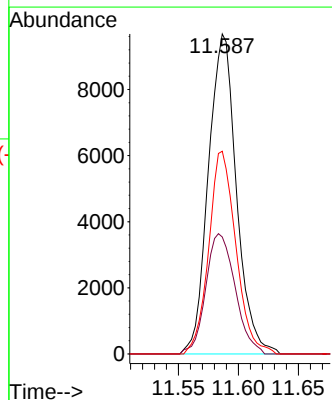
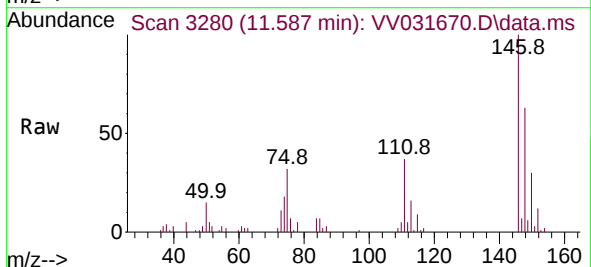
Instrument :  
MSVOA\_V  
ClientSampleId :

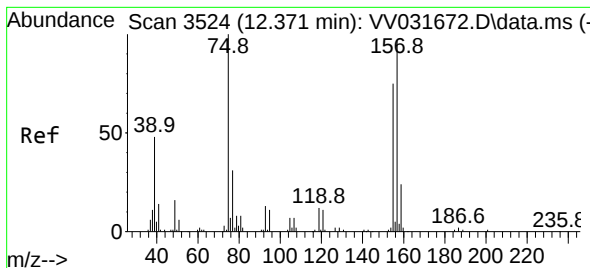
Tgt Ion:146 Resp: 18439  
Ion Ratio Lower Upper  
146 100  
111 39.8 28.3 52.7  
148 67.8 44.1 81.9



#67  
1,2-Dichlorobenzene  
Concen: 3.830 ug/L  
RT: 11.587 min Scan# 3280  
Delta R.T. 0.003 min  
Lab File: VV031670.D  
Acq: 11 Jul 2023 10:25

Tgt Ion:146 Resp: 15734  
Ion Ratio Lower Upper  
146 100  
111 36.6 34.8 52.2  
148 69.2 49.8 74.6

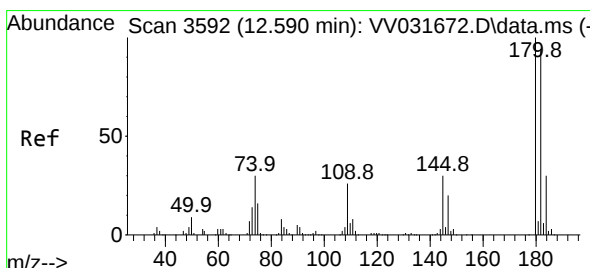
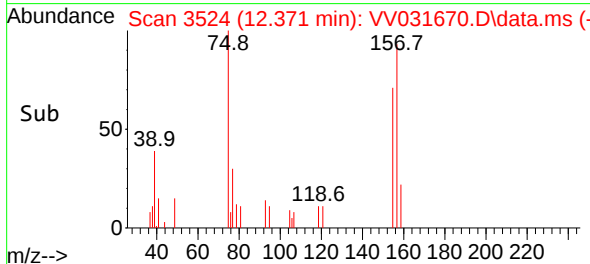
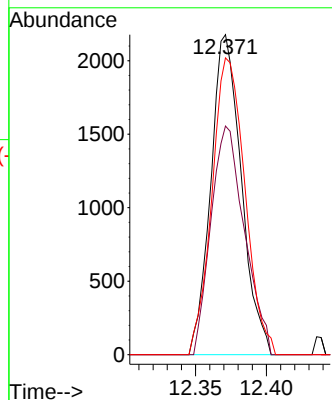
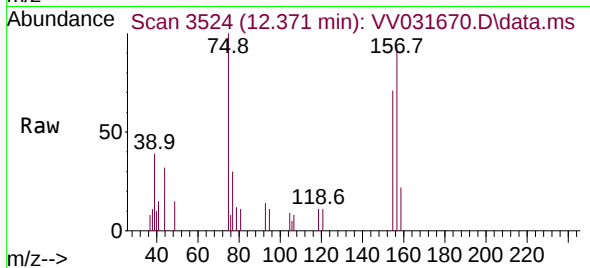




#68  
 1,2-Dibromo-3-chloropropane  
 Concen: 4.315 ug/L  
 RT: 12.371 min Scan# 3524  
 Delta R.T. 0.000 min  
 Lab File: VV031670.D  
 Acq: 11 Jul 2023 10:25

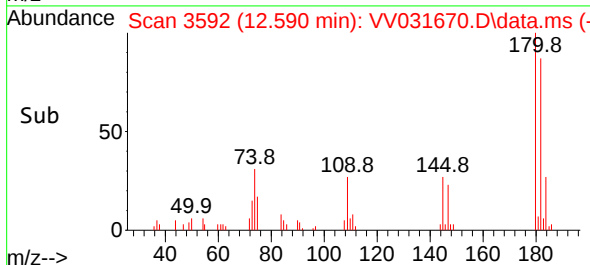
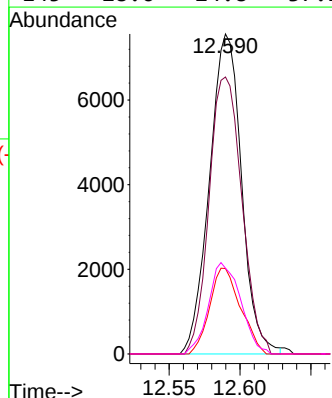
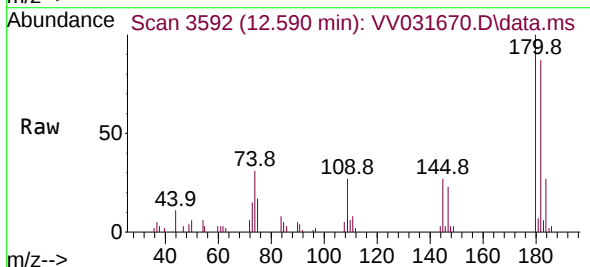
Instrument :  
 MSVOA\_V  
 ClientSampleId :

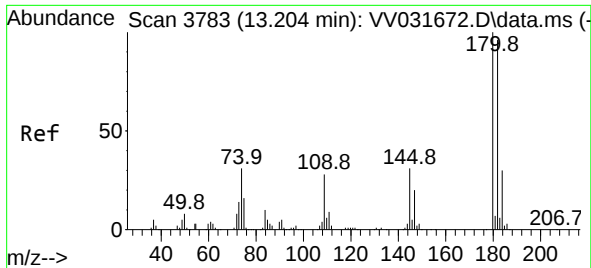
Tgt Ion: 75 Resp: 3260  
 Ion Ratio Lower Upper  
 75 100  
 155 71.5 59.9 89.9  
 157 92.7 77.6 116.4



#69  
 1,3,5-Trichlorobenzene  
 Concen: 3.858 ug/L  
 RT: 12.590 min Scan# 3592  
 Delta R.T. 0.000 min  
 Lab File: VV031670.D  
 Acq: 11 Jul 2023 10:25

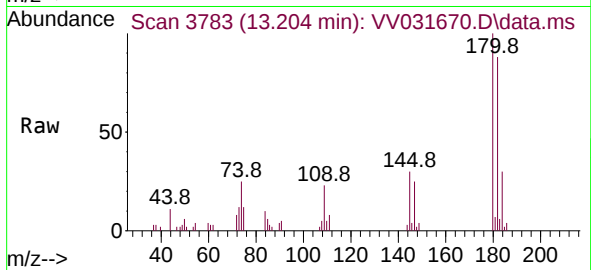
Tgt Ion: 180 Resp: 11929  
 Ion Ratio Lower Upper  
 180 100  
 182 88.2 75.5 113.3  
 184 25.8 23.7 35.5  
 145 28.6 24.8 37.2



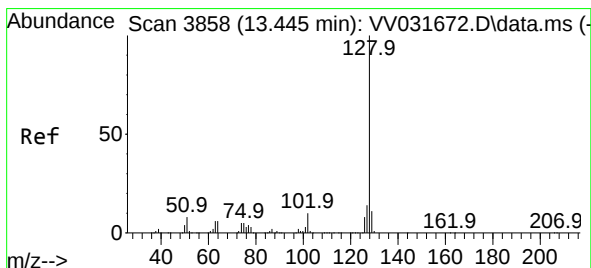
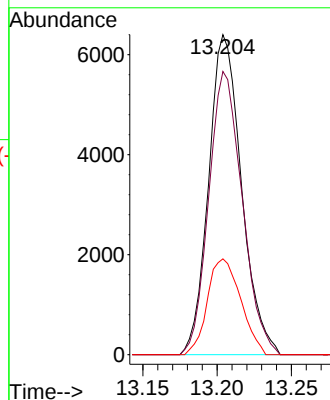
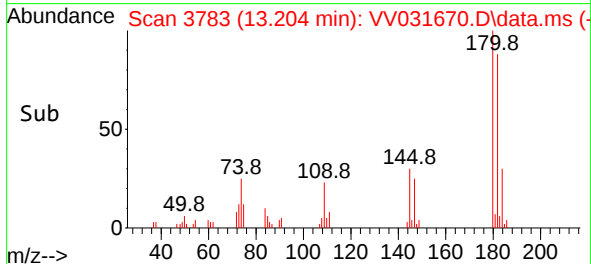


#70  
1,2,4-trichlorobenzene  
Concen: 3.655 ug/L  
RT: 13.204 min Scan# 31  
Delta R.T. 0.000 min  
Lab File: VV031670.D  
Acq: 11 Jul 2023 10:25

Instrument :  
MSVOA\_V  
ClientSampleId :

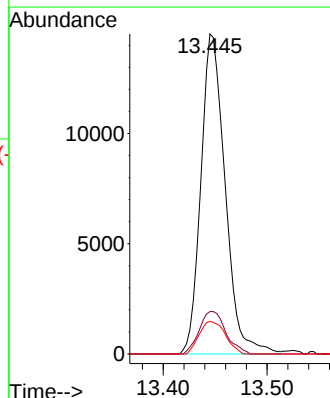
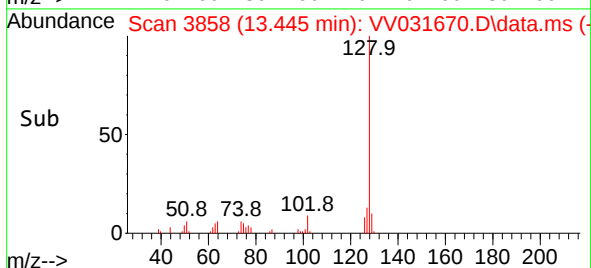
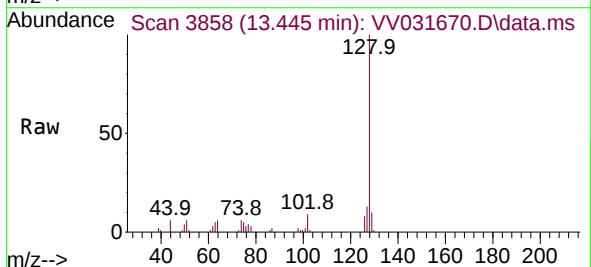


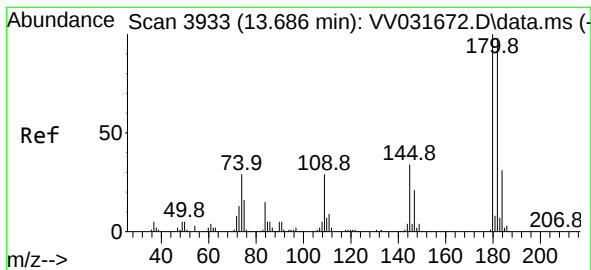
Tgt Ion:180 Resp: 9863  
Ion Ratio Lower Upper  
180 100  
182 90.0 76.6 114.8  
145 30.3 25.4 38.2



#71  
Naphthalene  
Concen: 3.397 ug/L  
RT: 13.445 min Scan# 3858  
Delta R.T. 0.000 min  
Lab File: VV031670.D  
Acq: 11 Jul 2023 10:25

Tgt Ion:128 Resp: 23573  
Ion Ratio Lower Upper  
128 100  
127 14.5 11.0 16.4  
129 11.0 8.6 13.0





#72

1,2,3-Trichlorobenzene

Concen: 3.614 ug/L

RT: 13.686 min Scan# 3933

Delta R.T. 0.000 min

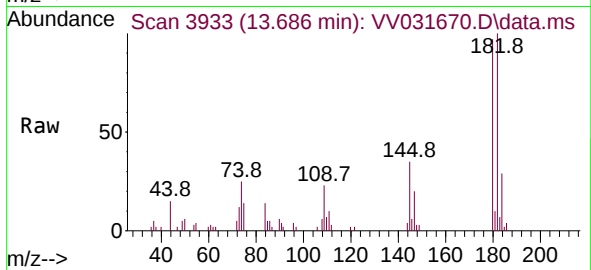
Lab File: VV031670.D

Acq: 11 Jul 2023 10:25

Instrument :

MSVOA\_V

ClientSampleId :



Tgt Ion:180 Resp: 10129

Ion Ratio Lower Upper

180 100

182 97.3 76.7 115.1

145 36.6 27.7 41.5

