

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW022624\  
 Data File : VW034406.D  
 Acq On : 26 Feb 2024 12:51  
 Operator : SY/MD  
 Sample : VSTD001  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Feb 27 04:32:12 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR022624WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Tue Feb 27 04:30:58 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Difluorobenzene        | 5.535  | 114  | 147123   | 5.000  | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.786  | 117  | 135778   | 5.000  | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.185 | 152  | 67595    | 5.000  | ug/L   | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 4) Vinyl Chloride-d3          | 1.278  | 65   | 9137     | 0.857  | ug/L   | 0.00     |
| 7) Chloroethane-d5            | 1.535  | 69   | 7953     | 0.852  | ug/L   | 0.00     |
| 11) 1,1-Dichloroethene-d2     | 2.060  | 65   | 4020     | 0.780  | ug/L   | 0.00     |
| 20) 2-Butanone-d5             | 3.863  | 46   | 17954    | 9.187  | ug/L   | 0.04     |
| 24) Chloroform-d              | 4.252  | 84   | 17398    | 0.887  | ug/L   | 0.00     |
| 26) 1,2-Dichloroethane-d4     | 4.957  | 65   | 8487     | 0.909  | ug/L   | 0.00     |
| 32) Benzene-d6                | 4.969  | 84   | 30710    | 0.805  | ug/L   | 0.00     |
| 36) 1,2-Dichloropropane-d6    | 5.998  | 67   | 9791     | 0.908  | ug/L   | 0.00     |
| 41) Toluene-d8                | 7.249  | 98   | 28548    | 0.819  | ug/L   | 0.00     |
| 43) trans-1,3-Dichloroprop... | 7.571  | 79   | 3015     | 0.741  | ug/L   | 0.01     |
| 46) 2-Hexanone-d5             | 8.037  | 63   | 16649    | 10.367 | ug/L   | 0.00     |
| 56) 1,1,2,2-Tetrachloroeth... | 10.156 | 84   | 6861     | 0.999  | ug/L   | 0.00     |
| 66) 1,2-Dichlorobenzene-d4    | 11.564 | 152  | 10812    | 0.922  | ug/L   | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        |        | Qvalue   |
| 2) Dichlorodifluoromethane    | 1.108  | 85   | 8355     | 0.663  | ug/L   | 97       |
| 3) Chloromethane              | 1.217  | 50   | 10357    | 0.740  | ug/L   | 95       |
| 5) Vinyl chloride             | 1.285  | 62   | 9902     | 0.741  | ug/L   | 88       |
| 6) Bromomethane               | 1.490  | 94   | 5296     | 0.732  | ug/L   | 89       |
| 8) Chloroethane               | 1.552  | 64   | 7663     | 0.828  | ug/L   | 85       |
| 9) Trichlorofluoromethane     | 1.716  | 101  | 15586    | 0.794  | ug/L   | 98       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.069  | 101  | 8755     | 0.849  | ug/L   | 97       |
| 12) 1,1-Dichloroethene        | 2.072  | 96   | 8841     | 0.883  | ug/L   | 79       |
| 13) Acetone                   | 2.143  | 43   | 8232     | 5.261  | ug/L # | 40       |
| 14) Carbon disulfide          | 2.243  | 76   | 22005    | 0.702  | ug/L   | 99       |
| 15) Methyl Acetate            | 2.394  | 43   | 2896     | 0.809  | ug/L # | 86       |
| 16) Methylene chloride        | 2.449  | 84   | 10073    | 1.021  | ug/L   | 96       |
| 17) Methyl tert-butyl Ether   | 2.706  | 73   | 20011    | 0.926  | ug/L   | 99       |
| 18) trans-1,2-Dichloroethene  | 2.696  | 96   | 8721     | 0.853  | ug/L   | 89       |
| 19) 1,1-Dichloroethane        | 3.114  | 63   | 16552    | 0.879  | ug/L   | 96       |
| 21) 2-Butanone                | 4.040  | 43   | 288      | 0.141  | ug/L   | 81       |
| 22) cis-1,2-Dichloroethene    | 3.825  | 96   | 9305     | 0.803  | ug/L   | 97       |
| 23) Bromochloromethane        | 4.159  | 128  | 3584     | 0.859  | ug/L   | 84       |
| 25) Chloroform                | 4.281  | 83   | 17221    | 0.898  | ug/L   | 96       |
| 27) 1,2-Dichloroethane        | 5.053  | 62   | 9818     | 0.880  | ug/L # | 76       |
| 29) 1,1,1-Trichloroethane     | 4.513  | 97   | 15527    | 0.867  | ug/L   | 100      |
| 30) Cyclohexane               | 4.580  | 56   | 13572    | 0.798  | ug/L   | 99       |
| 31) Carbon tetrachloride      | 4.738  | 117  | 13098    | 0.839  | ug/L   | 96       |
| 33) Benzene                   | 5.014  | 78   | 33351    | 0.835  | ug/L   | 100      |
| 34) Trichloroethene           | 5.838  | 95   | 9068     | 0.788  | ug/L   | 92       |
| 35) Methylcyclohexane         | 6.053  | 83   | 13850    | 0.777  | ug/L   | 99       |
| 37) 1,2-Dichloropropane       | 6.098  | 63   | 8560     | 0.886  | ug/L   | 99       |
| 38) Bromodichloromethane      | 6.439  | 83   | 11486    | 0.896  | ug/L   | 92       |
| 39) cis-1,3-Dichloropropene   | 6.966  | 75   | 10342    | 0.708  | ug/L   | 98       |
| 40) 4-Methyl-2-pentanone      | 7.165  | 43   | 46201    | 9.303  | ug/L   | 97       |
| 42) Toluene                   | 7.320  | 91   | 34479    | 0.807  | ug/L   | 97       |
| 44) trans-1,3-Dichloropropene | 7.596  | 75   | 7563     | 0.672  | ug/L   | 95       |

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 Acq On : 26 Feb 2024 12:51  
 Operator : SY/MD  
 Sample : VSTD001  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 3 Sample Multiplier: 1

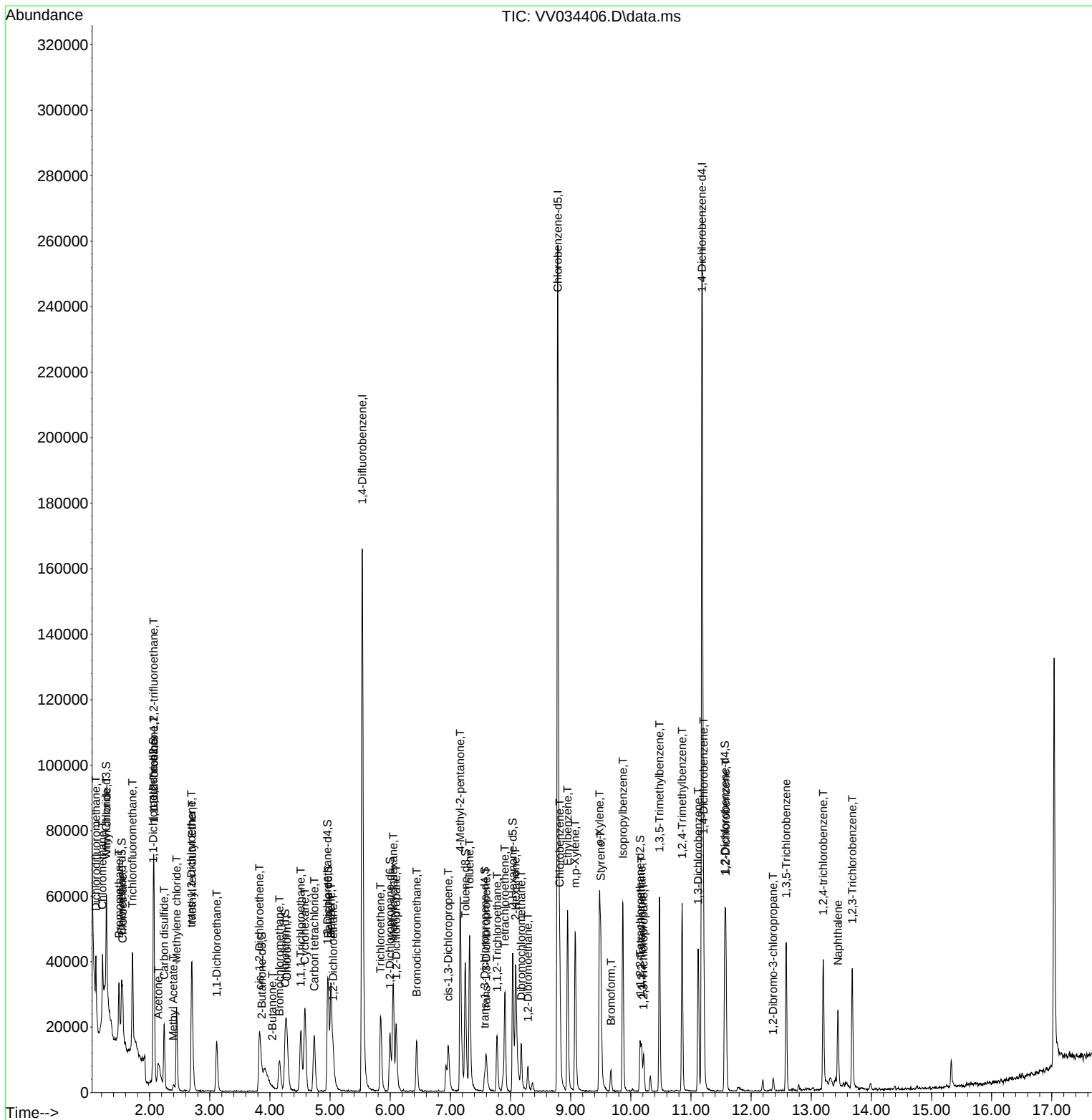
Instrument :  
 MSVOA\_V  
 ClientSampleId :

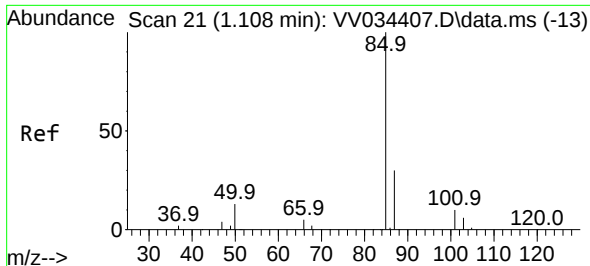
Quant Time: Feb 27 04:32:12 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR022624WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Tue Feb 27 04:30:58 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| -----                         |        |      |          |       |        |          |
| 45) 1,1,2-Trichloroethane     | 7.776  | 97   | 5559     | 0.895 | ug/L   | 91       |
| 47) Tetrachloroethene         | 7.905  | 164  | 6990     | 0.749 | ug/L   | 91       |
| 48) 2-Hexanone                | 8.085  | 43   | 30261    | 8.638 | ug/L   | 98       |
| 49) Dibromochloromethane      | 8.181  | 129  | 6387     | 0.883 | ug/L   | 98       |
| 50) 1,2-Dibromoethane         | 8.291  | 107  | 5121     | 0.921 | ug/L # | 93       |
| 51) Chlorobenzene             | 8.818  | 112  | 22907    | 0.844 | ug/L   | 96       |
| 52) Ethylbenzene              | 8.950  | 91   | 39702    | 0.812 | ug/L   | 97       |
| 53) m,p-Xylene                | 9.075  | 106  | 14374    | 0.779 | ug/L   | 97       |
| 54) o-Xylene                  | 9.480  | 106  | 14685    | 0.820 | ug/L   | 86       |
| 55) Styrene                   | 9.500  | 104  | 21655    | 0.755 | ug/L   | 99       |
| 57) 1,1,2,2-Tetrachloroethane | 10.178 | 83   | 6379     | 0.965 | ug/L   | 92       |
| 59) Bromoform                 | 9.670  | 173  | 2872     | 0.788 | ug/L   | 98       |
| 60) Isopropylbenzene          | 9.870  | 105  | 36164    | 0.757 | ug/L   | 99       |
| 61) 1,2,3-Trichloropropane    | 10.214 | 75   | 4286     | 0.900 | ug/L   | 95       |
| 62) 1,3,5-Trimethylbenzene    | 10.477 | 105  | 30898    | 0.759 | ug/L   | 98       |
| 63) 1,2,4-Trimethylbenzene    | 10.853 | 105  | 30651    | 0.772 | ug/L   | 96       |
| 64) 1,3-Dichlorobenzene       | 11.120 | 146  | 17642    | 0.829 | ug/L   | 96       |
| 65) 1,4-Dichlorobenzene       | 11.210 | 146  | 17969    | 0.851 | ug/L   | 97       |
| 67) 1,2-Dichlorobenzene       | 11.580 | 146  | 16798    | 0.908 | ug/L   | 97       |
| 68) 1,2-Dibromo-3-chloropr... | 12.365 | 75   | 1194     | 1.158 | ug/L   | 93       |
| 69) 1,3,5-Trichlorobenzene    | 12.583 | 180  | 13533    | 0.828 | ug/L   | 97       |
| 70) 1,2,4-trichlorobenzene    | 13.201 | 180  | 11173    | 0.849 | ug/L   | 97       |
| 71) Naphthalene               | 13.445 | 128  | 17734    | 0.962 | ug/L   | 99       |
| 72) 1,2,3-Trichlorobenzene    | 13.683 | 180  | 10496    | 0.984 | ug/L   | 94       |
| -----                         |        |      |          |       |        |          |

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

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QLast Update : Tue Feb 27 04:30:58 2024  
Response via : Initial Calibration

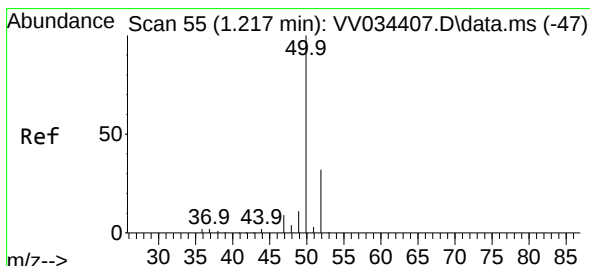
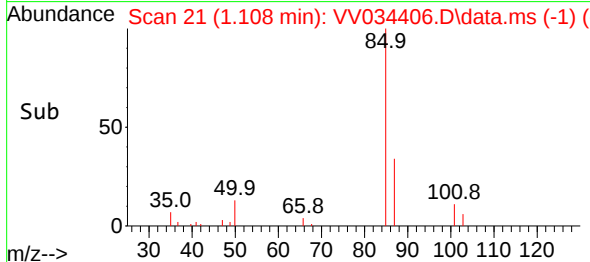
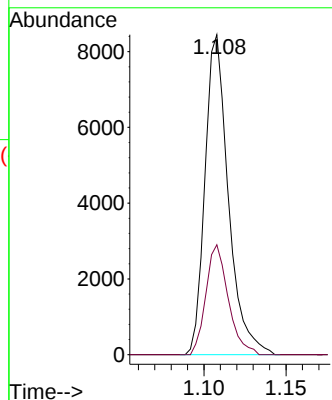
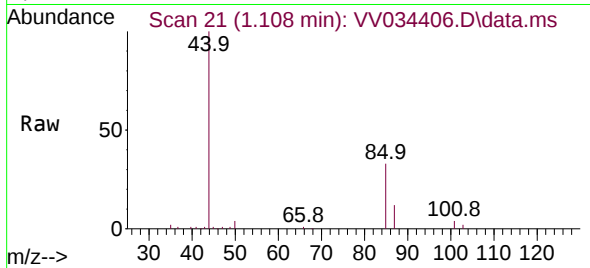




#2  
 Dichlorodifluoromethane  
 Concen: 0.663 ug/L  
 RT: 1.108 min Scan# 21  
 Delta R.T. -0.000 min  
 Lab File: VV034406.D  
 Acq: 26 Feb 2024 12:51

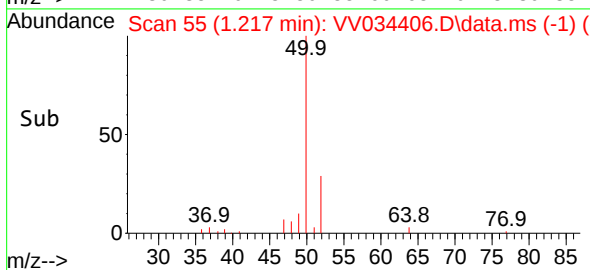
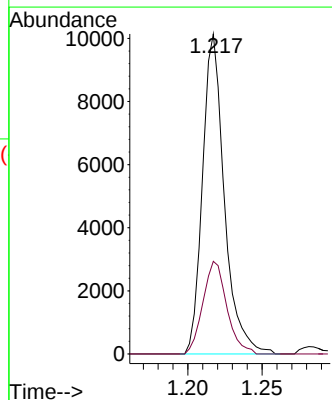
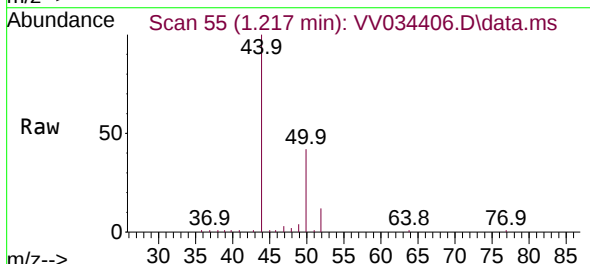
Instrument :  
 MSVOA\_V  
 ClientSampleId :

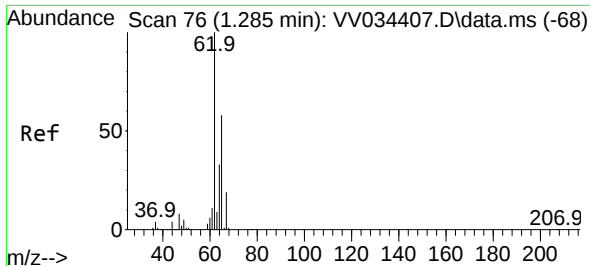
Tgt Ion: 85 Resp: 8355  
 Ion Ratio Lower Upper  
 85 100  
 87 32.9 24.9 37.3



#3  
 Chloromethane  
 Concen: 0.740 ug/L  
 RT: 1.217 min Scan# 55  
 Delta R.T. -0.000 min  
 Lab File: VV034406.D  
 Acq: 26 Feb 2024 12:51

Tgt Ion: 50 Resp: 10357  
 Ion Ratio Lower Upper  
 50 100  
 52 29.0 22.3 41.3

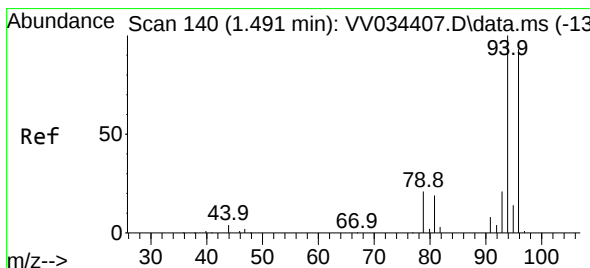
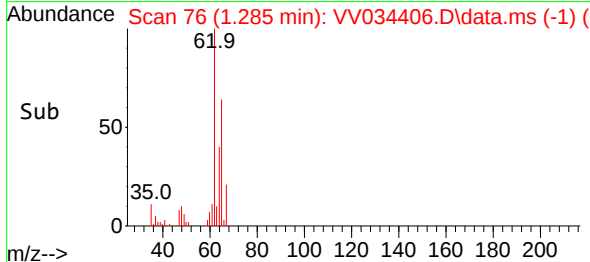
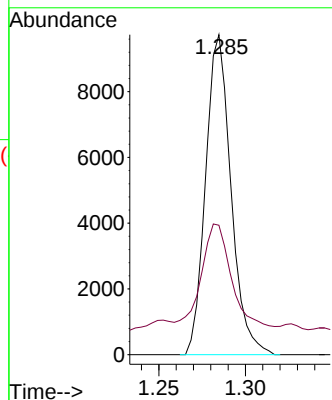
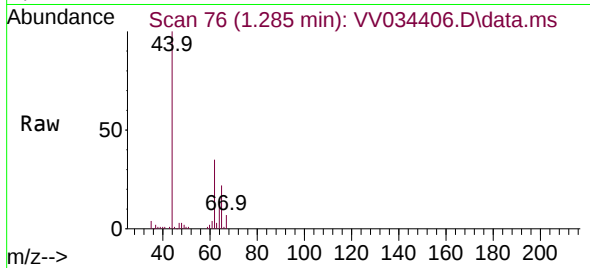




#5  
 Vinyl chloride  
 Concen: 0.741 ug/L  
 RT: 1.285 min Scan# 70  
 Delta R.T. -0.000 min  
 Lab File: VV034406.D  
 Acq: 26 Feb 2024 12:51

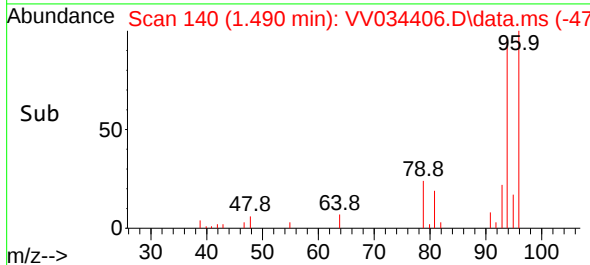
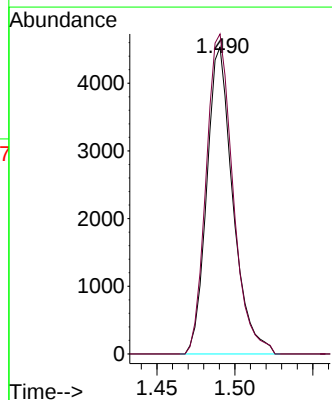
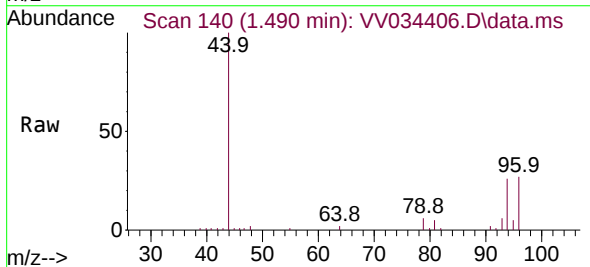
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 MSVOA\_V  
 ClientSampleId :

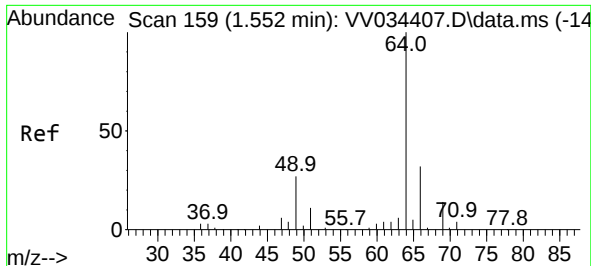
Tgt Ion: 62 Resp: 9902  
 Ion Ratio Lower Upper  
 62 100  
 64 40.4 23.4 43.4



#6  
 Bromomethane  
 Concen: 0.732 ug/L  
 RT: 1.490 min Scan# 140  
 Delta R.T. -0.000 min  
 Lab File: VV034406.D  
 Acq: 26 Feb 2024 12:51

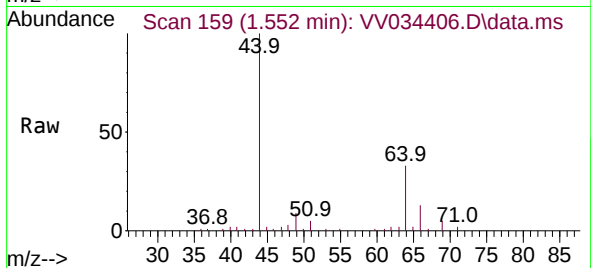
Tgt Ion: 94 Resp: 5296  
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 94 100  
 96 104.3 65.5 121.7



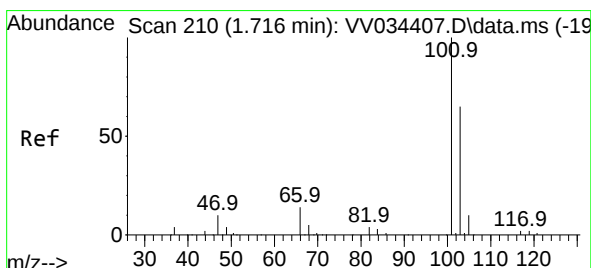
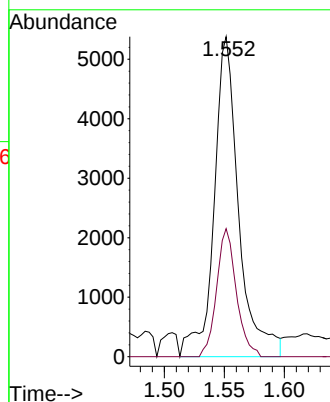
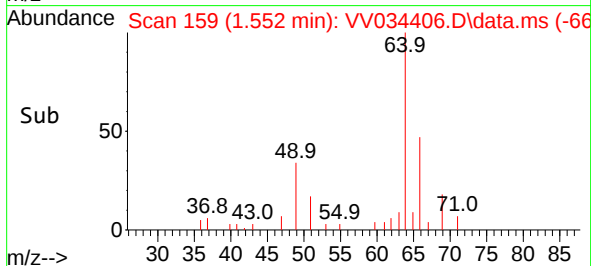


#8  
Chloroethane  
Concen: 0.828 ug/L  
RT: 1.552 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VV034406.D  
Acq: 26 Feb 2024 12:51

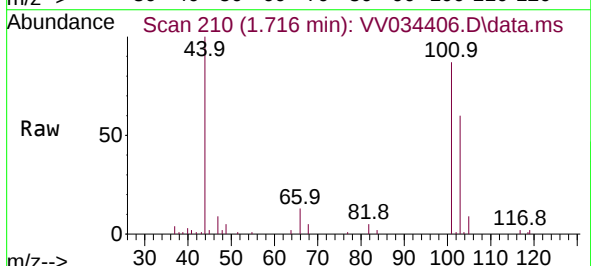
Instrument :  
MSVOA\_V  
ClientSampleId :



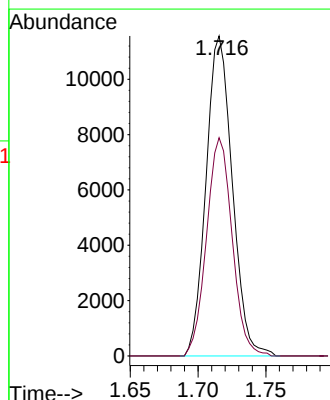
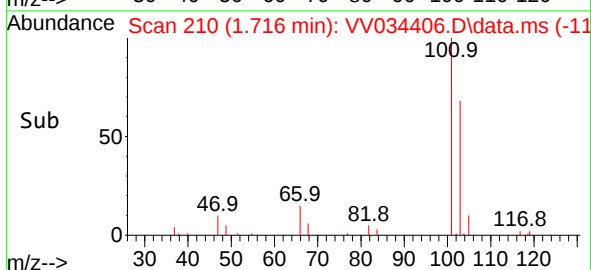
Tgt Ion: 64 Resp: 7663  
Ion Ratio Lower Upper  
64 100  
66 40.0 22.1 41.1

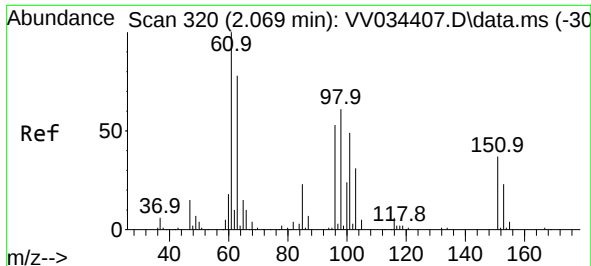


#9  
Trichlorofluoromethane  
Concen: 0.794 ug/L  
RT: 1.716 min Scan# 210  
Delta R.T. -0.000 min  
Lab File: VV034406.D  
Acq: 26 Feb 2024 12:51



Tgt Ion:101 Resp: 15586  
Ion Ratio Lower Upper  
101 100  
103 66.5 52.0 78.0





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.849 ug/L

RT: 2.069 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV034406.D

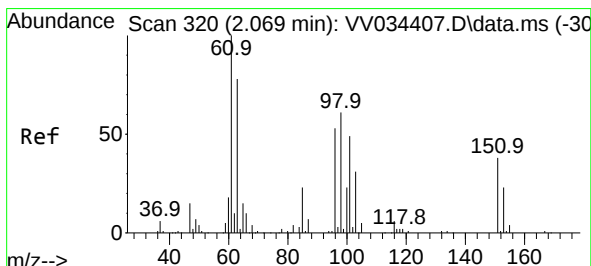
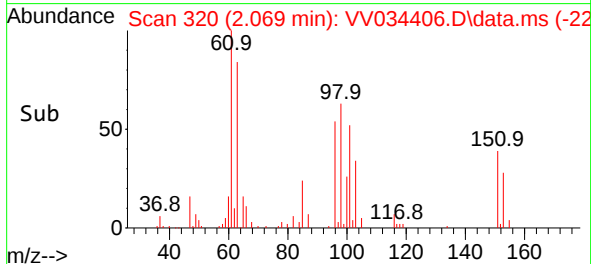
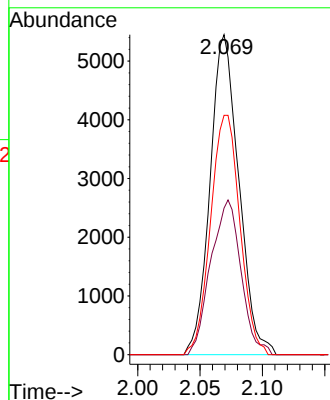
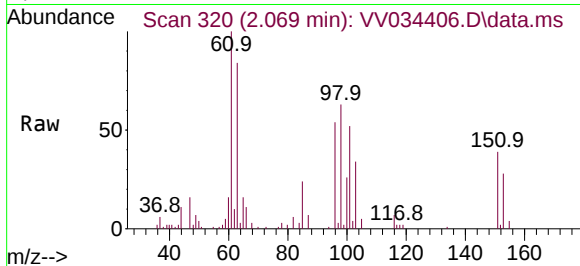
Acq: 26 Feb 2024 12:51

Instrument :

MSVOA\_V

ClientSampleId :

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 101   | Resp: | 8755  |
| Ion      | Ratio | Lower | Upper |
| 101      | 100   |       |       |
| 85       | 50.7  | 37.9  | 56.9  |
| 151      | 76.2  | 61.8  | 92.6  |



#12

1,1-Dichloroethene

Concen: 0.883 ug/L

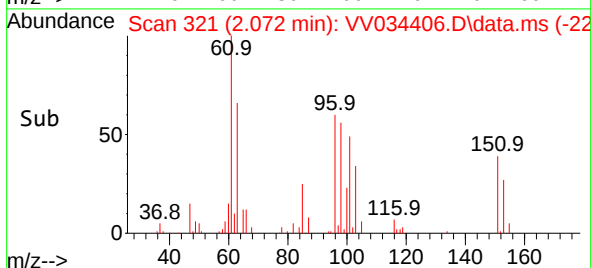
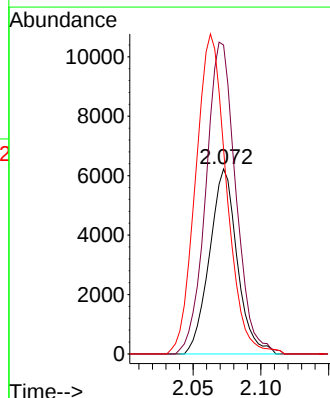
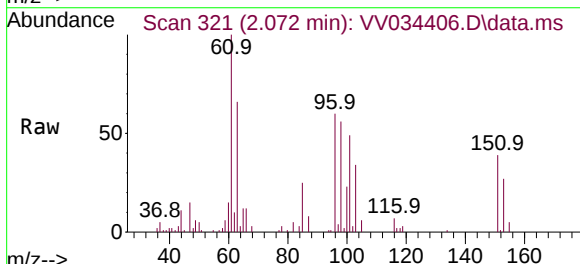
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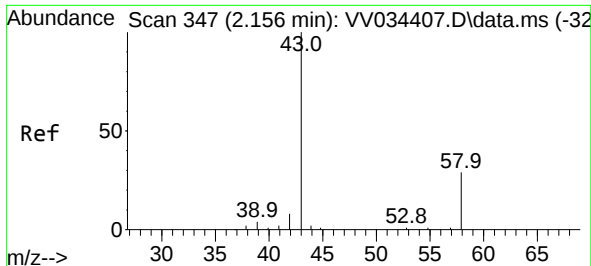
Delta R.T. 0.003 min

Lab File: VV034406.D

Acq: 26 Feb 2024 12:51

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 96    | Resp: | 8841  |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 167.0 | 131.3 | 243.8 |
| 63       | 110.8 | 102.8 | 191.0 |





#13

Acetone

Concen: 5.261 ug/L

RT: 2.143 min Scan# 34

Delta R.T. -0.013 min

Lab File: VV034406.D

Acq: 26 Feb 2024 12:51

Instrument :

MSVOA\_V

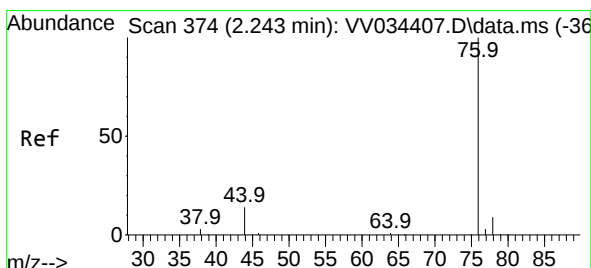
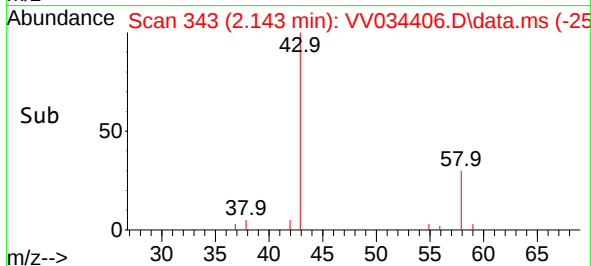
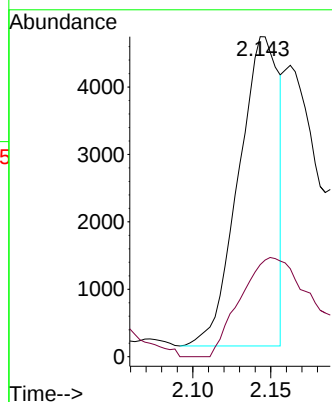
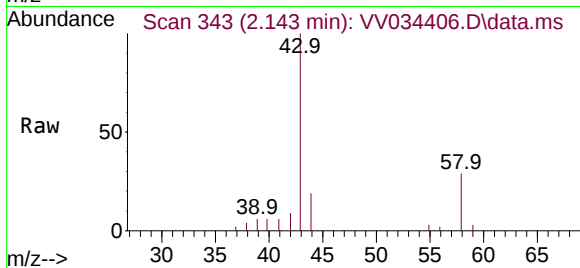
ClientSampleId :

Tgt Ion: 43 Resp: 8232

Ion Ratio Lower Upper

43 100

58 59.7 0.0 56.2#



#14

Carbon disulfide

Concen: 0.702 ug/L

RT: 2.243 min Scan# 374

Delta R.T. -0.000 min

Lab File: VV034406.D

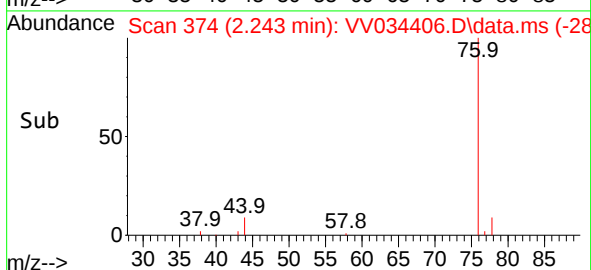
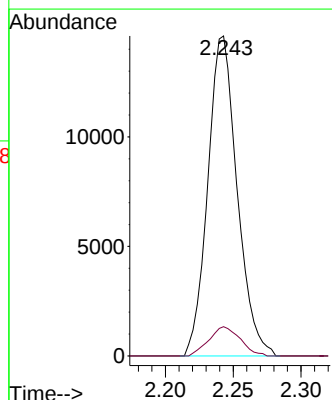
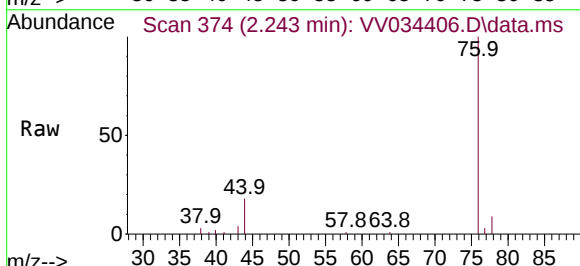
Acq: 26 Feb 2024 12:51

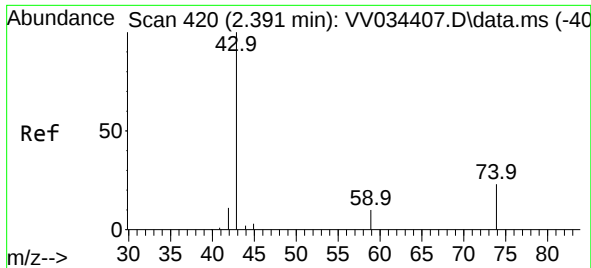
Tgt Ion: 76 Resp: 22005

Ion Ratio Lower Upper

76 100

78 9.2 7.0 10.4

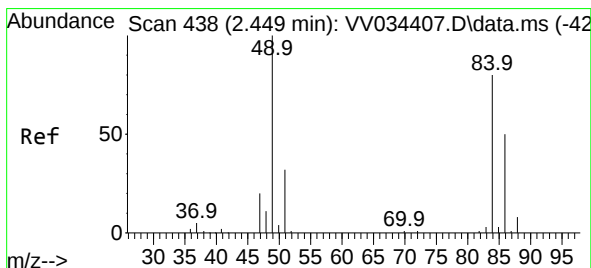
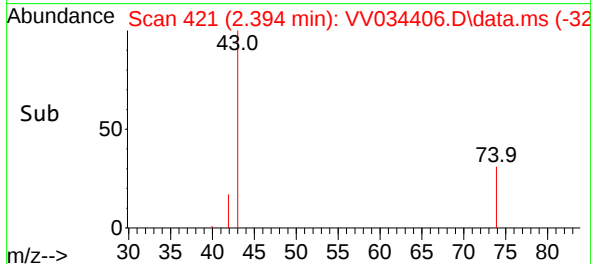
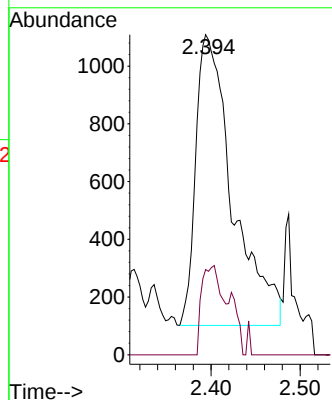
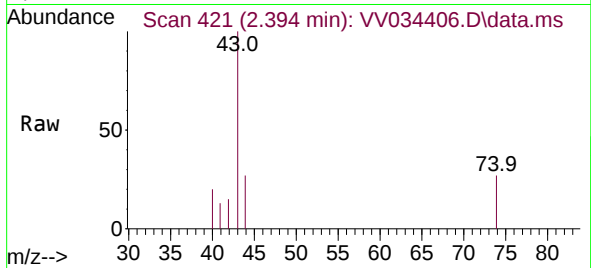




#15  
Methyl Acetate  
Concen: 0.809 ug/L  
RT: 2.394 min Scan# 41  
Delta R.T. 0.003 min  
Lab File: VV034406.D  
Acq: 26 Feb 2024 12:51

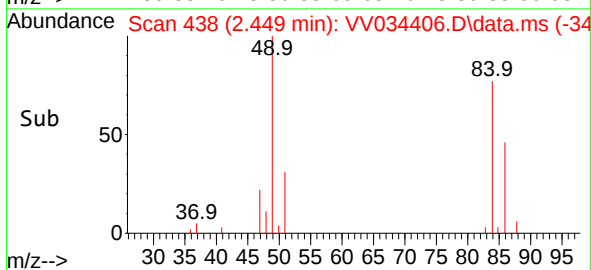
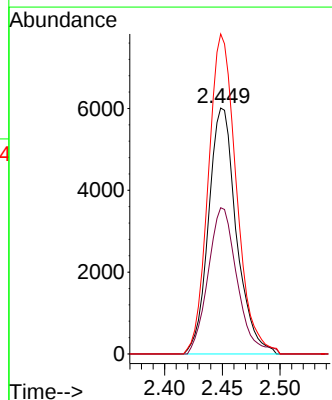
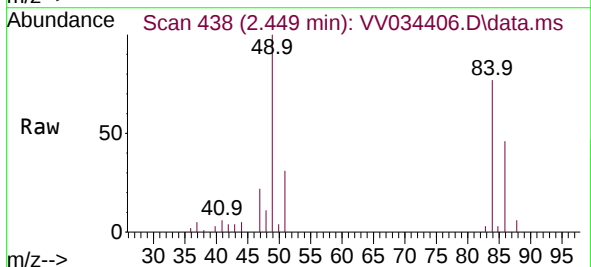
Instrument :  
MSVOA\_V  
ClientSampleId :

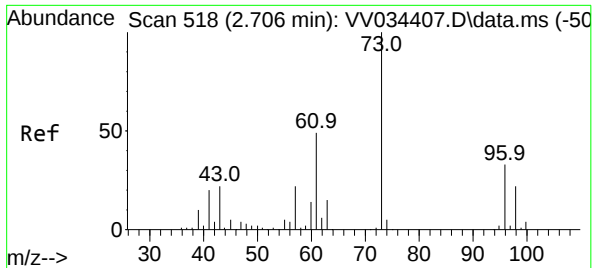
Tgt Ion: 43 Resp: 2896  
Ion Ratio Lower Upper  
43 100  
74 16.6 18.6 28.0#



#16  
Methylene chloride  
Concen: 1.021 ug/L  
RT: 2.449 min Scan# 438  
Delta R.T. -0.000 min  
Lab File: VV034406.D  
Acq: 26 Feb 2024 12:51

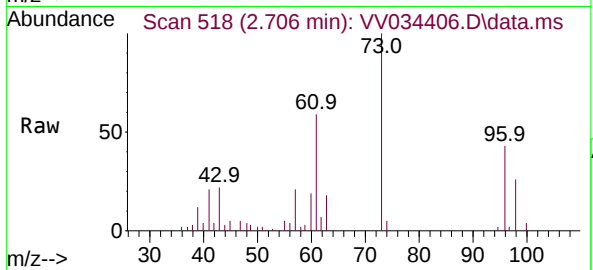
Tgt Ion: 84 Resp: 10073  
Ion Ratio Lower Upper  
84 100  
86 59.5 43.8 81.4  
49 130.1 87.6 162.8



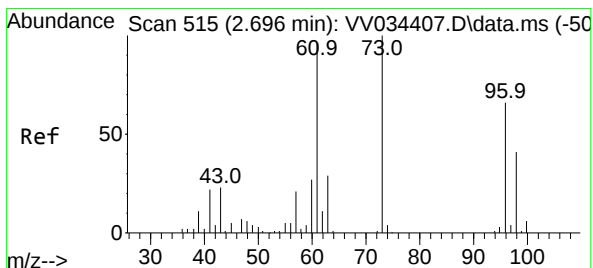
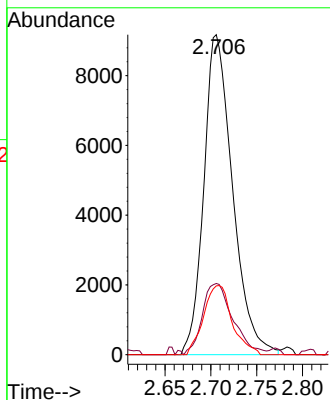
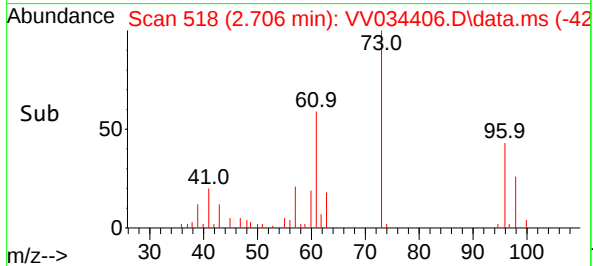


#17  
Methyl tert-butyl Ether  
Concen: 0.926 ug/L  
RT: 2.706 min Scan# 518  
Delta R.T. -0.000 min  
Lab File: VV034406.D  
Acq: 26 Feb 2024 12:51

Instrument :  
MSVOA\_V  
ClientSampleId :

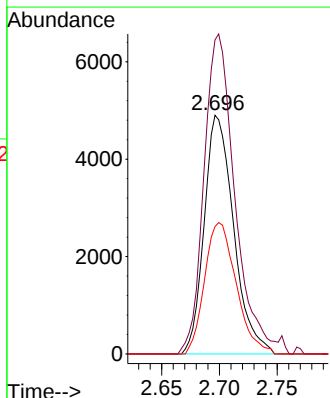
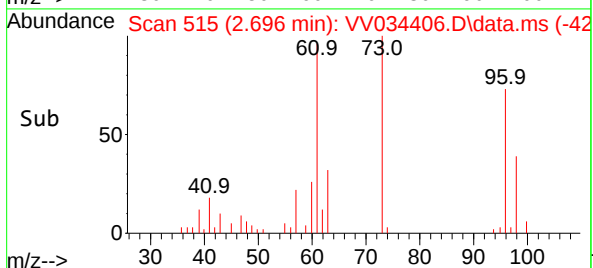
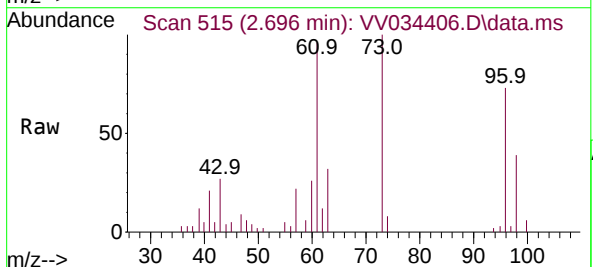


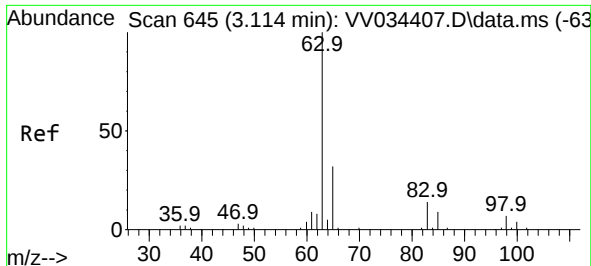
|             |                |
|-------------|----------------|
| Tgt Ion: 73 | Resp: 20011    |
| Ion Ratio   | Lower Upper    |
| 73          | 100            |
| 43          | 23.7 18.0 27.0 |
| 57          | 21.4 17.0 25.6 |



#18  
trans-1,2-Dichloroethene  
Concen: 0.853 ug/L  
RT: 2.696 min Scan# 515  
Delta R.T. -0.000 min  
Lab File: VV034406.D  
Acq: 26 Feb 2024 12:51

|             |                   |
|-------------|-------------------|
| Tgt Ion: 96 | Resp: 8721        |
| Ion Ratio   | Lower Upper       |
| 96          | 100               |
| 61          | 131.5 101.3 188.1 |
| 98          | 53.4 43.5 80.7    |





#19

1,1-Dichloroethane

Concen: 0.879 ug/L

RT: 3.114 min Scan# 64

Delta R.T. -0.000 min

Lab File: VV034406.D

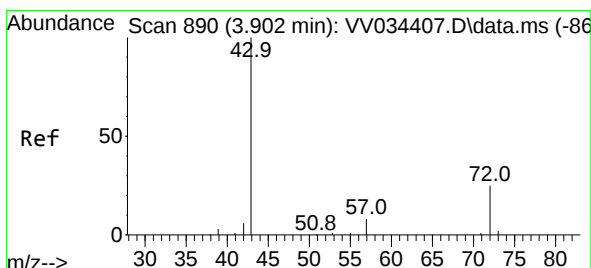
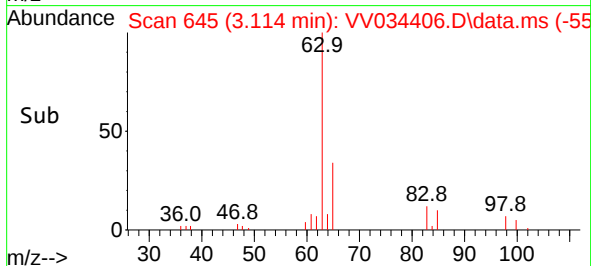
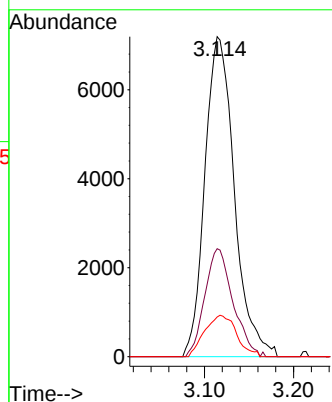
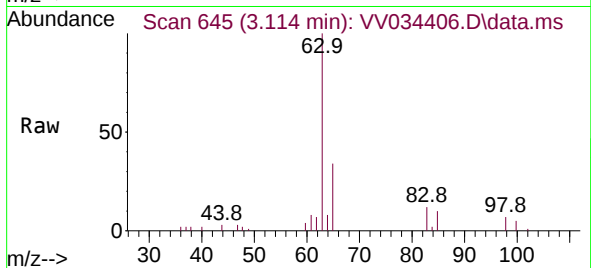
Acq: 26 Feb 2024 12:51

Instrument :

MSVOA\_V

ClientSampleId :

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 63    | Resp: | 16552 |
| Ion      | Ratio | Lower | Upper |
| 63       | 100   |       |       |
| 65       | 33.8  | 22.0  | 41.0  |
| 83       | 12.4  | 10.1  | 18.9  |



#21

2-Butanone

Concen: 0.141 ug/L

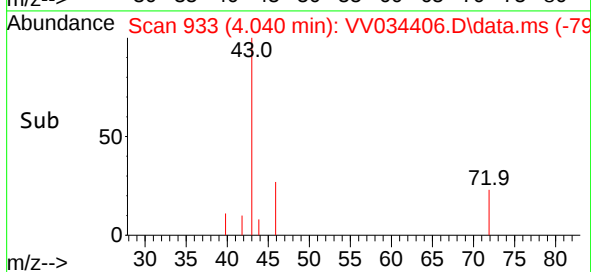
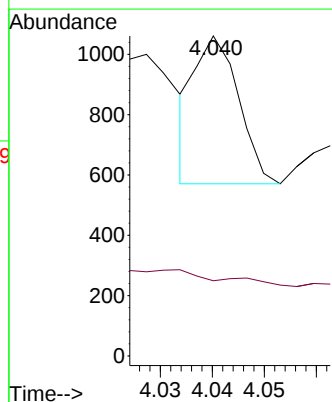
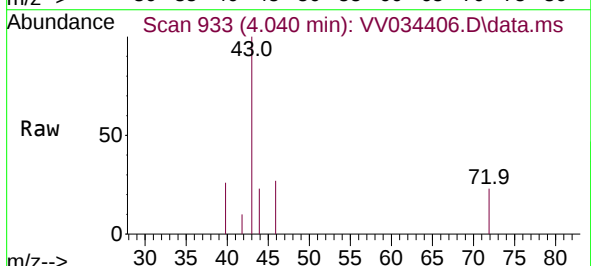
RT: 4.040 min Scan# 933

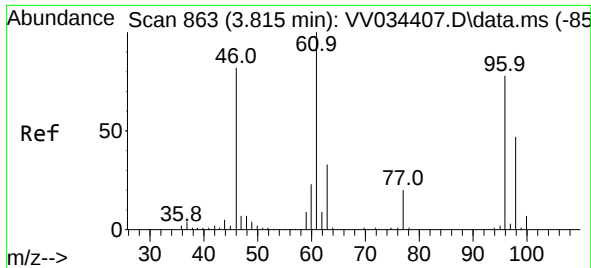
Delta R.T. 0.138 min

Lab File: VV034406.D

Acq: 26 Feb 2024 12:51

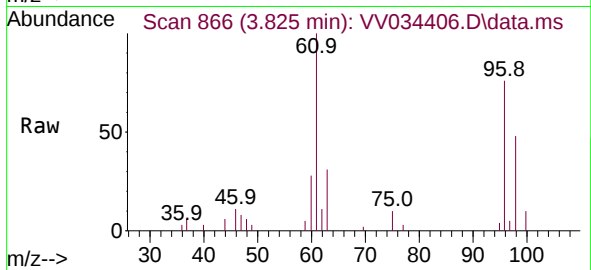
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 288   |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 72       | 34.0  | 12.4  | 37.0  |



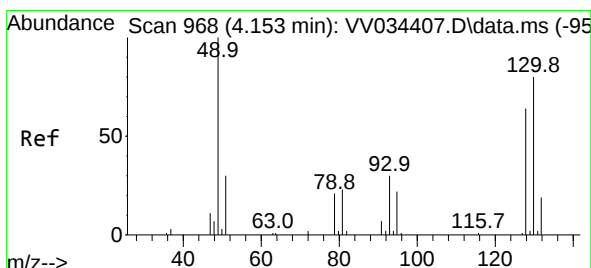
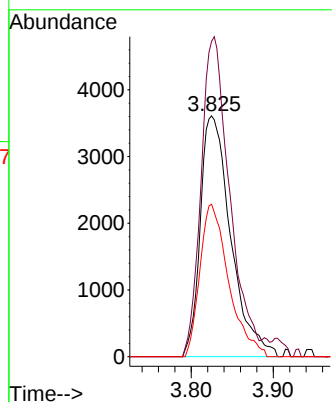
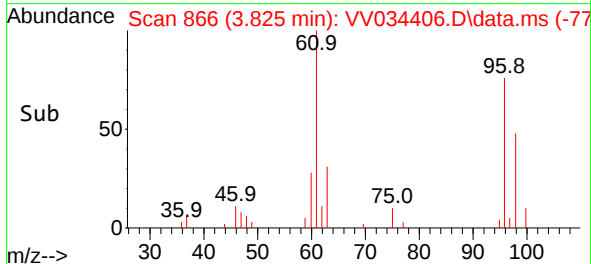


#22  
 cis-1,2-Dichloroethene  
 Concen: 0.803 ug/L  
 RT: 3.825 min Scan# 80  
 Delta R.T. 0.010 min  
 Lab File: VV034406.D  
 Acq: 26 Feb 2024 12:51

Instrument :  
 MSVOA\_V  
 ClientSampleId :

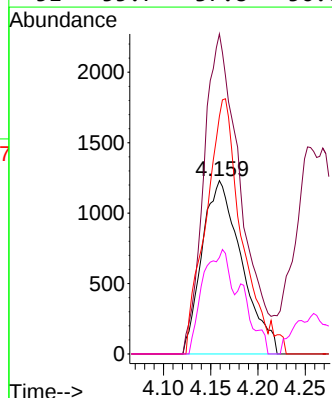
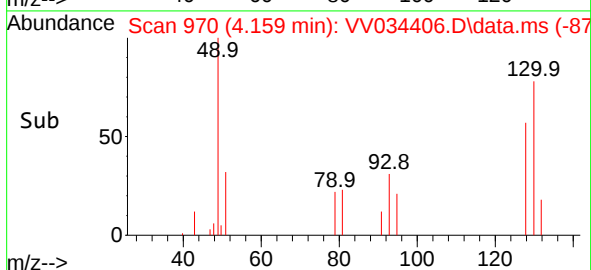
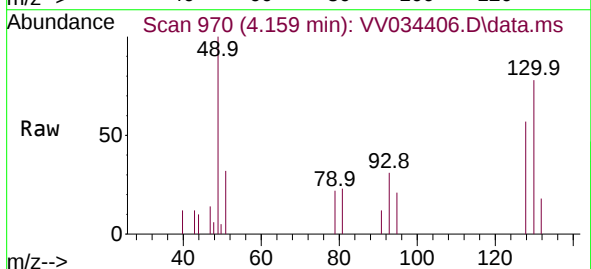


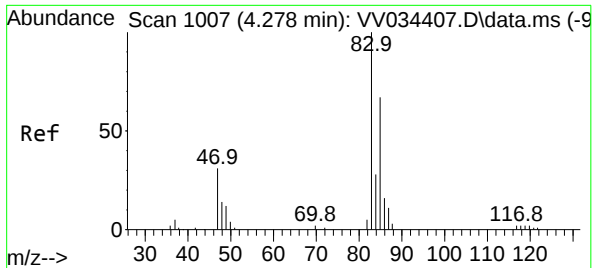
Tgt Ion: 96 Resp: 9305  
 Ion Ratio Lower Upper  
 96 100  
 61 130.9 89.7 166.5  
 98 63.3 42.0 78.0



#23  
 Bromochloromethane  
 Concen: 0.859 ug/L  
 RT: 4.159 min Scan# 970  
 Delta R.T. 0.006 min  
 Lab File: VV034406.D  
 Acq: 26 Feb 2024 12:51

Tgt Ion: 128 Resp: 3584  
 Ion Ratio Lower Upper  
 128 100  
 49 184.7 109.9 204.1  
 130 137.2 87.7 162.9  
 51 55.7 37.8 56.6

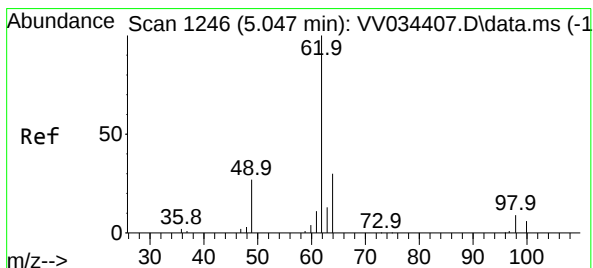
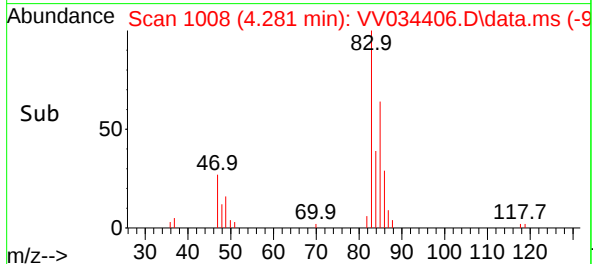
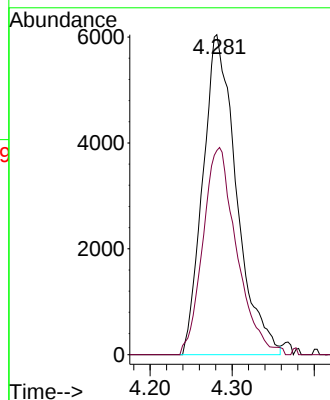
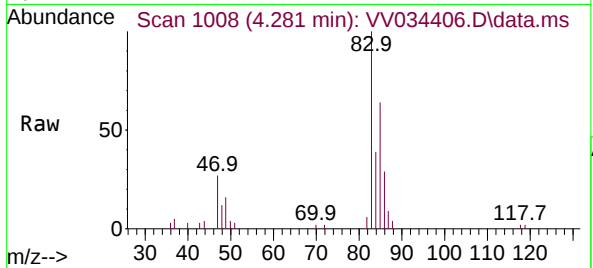




#25  
Chloroform  
Concen: 0.898 ug/L  
RT: 4.281 min Scan# 1007  
Delta R.T. 0.003 min  
Lab File: VV034406.D  
Acq: 26 Feb 2024 12:51

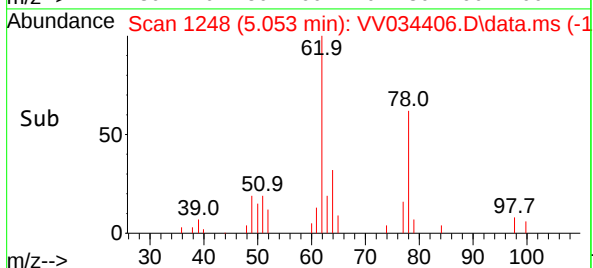
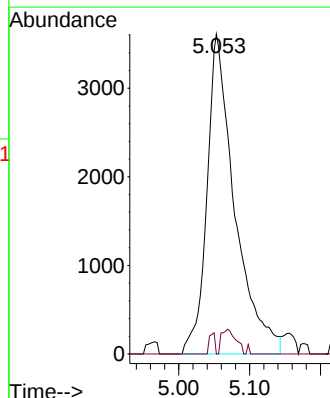
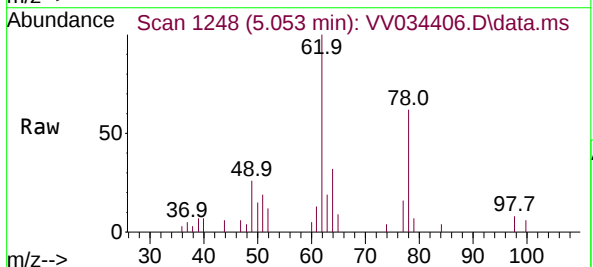
Instrument :  
MSVOA\_V  
ClientSampleId :

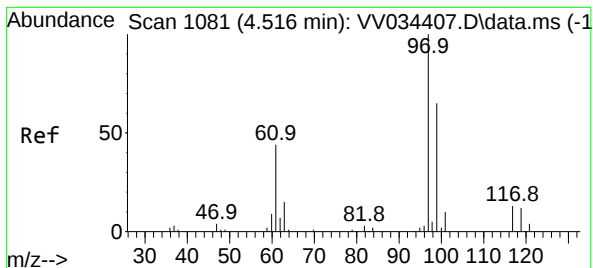
Tgt Ion: 83 Resp: 17221  
Ion Ratio Lower Upper  
83 100  
85 63.8 47.0 87.4



#27  
1,2-Dichloroethane  
Concen: 0.880 ug/L  
RT: 5.053 min Scan# 1248  
Delta R.T. 0.006 min  
Lab File: VV034406.D  
Acq: 26 Feb 2024 12:51

Tgt Ion: 62 Resp: 9818  
Ion Ratio Lower Upper  
62 100  
98 0.0 7.0 10.6#





#29

1,1,1-Trichloroethane

Concen: 0.867 ug/L

RT: 4.513 min Scan# 1100

Delta R.T. -0.003 min

Lab File: VV034406.D

Acq: 26 Feb 2024 12:51

Instrument :

MSVOA\_V

ClientSampleId :

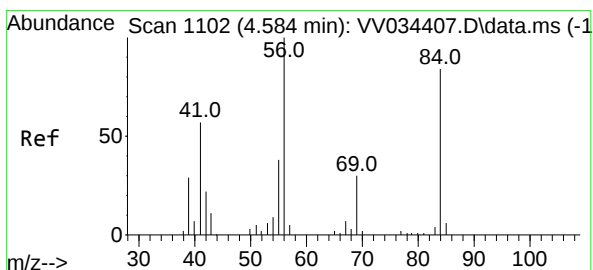
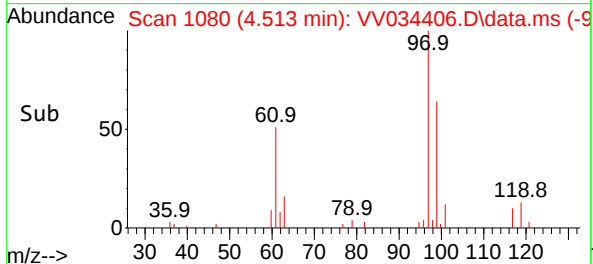
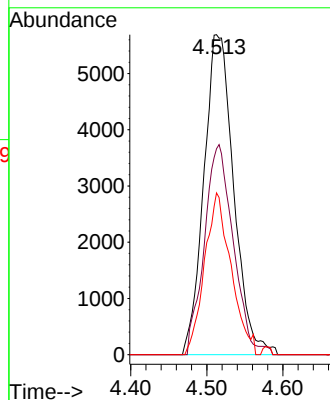
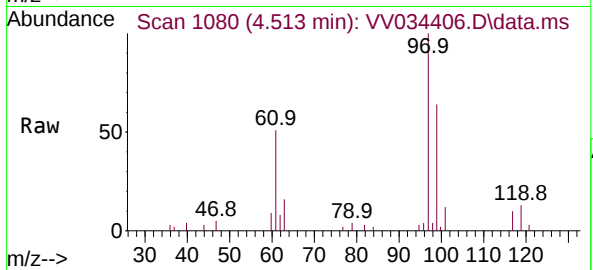
Tgt Ion: 97 Resp: 15527

Ion Ratio Lower Upper

97 100

99 63.7 51.2 76.8

61 44.8 36.1 54.1



#30

Cyclohexane

Concen: 0.798 ug/L

RT: 4.580 min Scan# 1101

Delta R.T. -0.003 min

Lab File: VV034406.D

Acq: 26 Feb 2024 12:51

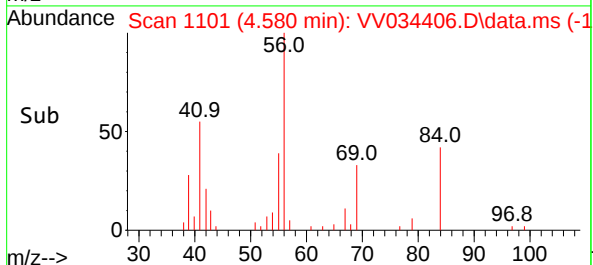
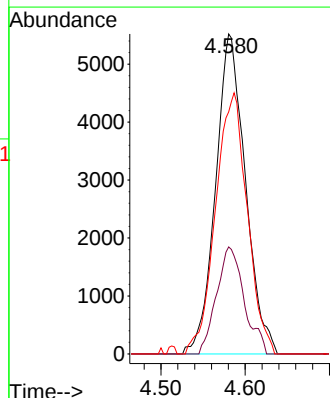
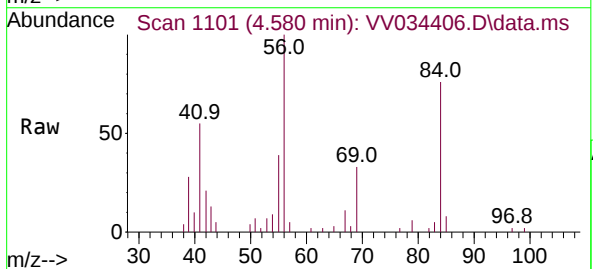
Tgt Ion: 56 Resp: 13572

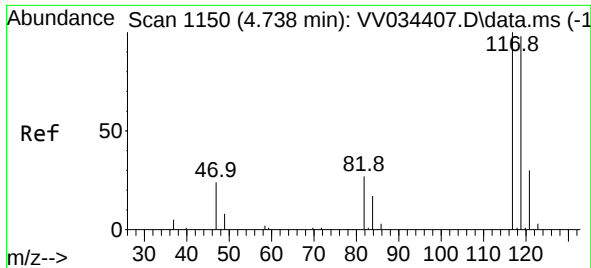
Ion Ratio Lower Upper

56 100

69 30.9 24.5 36.7

84 86.8 70.3 105.5

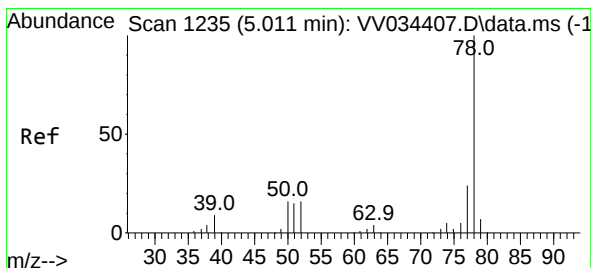
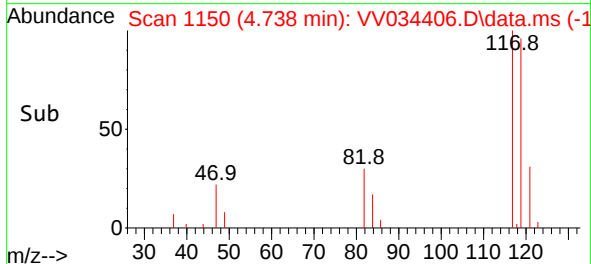
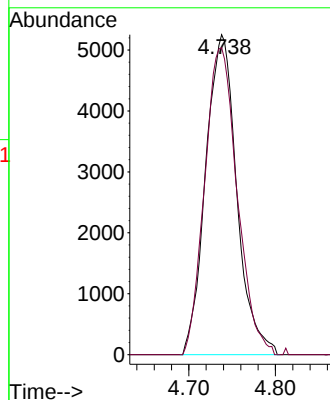
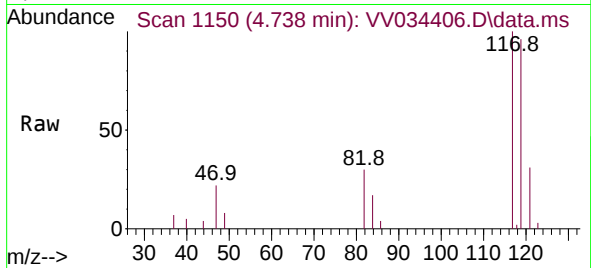




#31  
Carbon tetrachloride  
Concen: 0.839 ug/L  
RT: 4.738 min Scan# 1150  
Delta R.T. -0.000 min  
Lab File: VV034406.D  
Acq: 26 Feb 2024 12:51

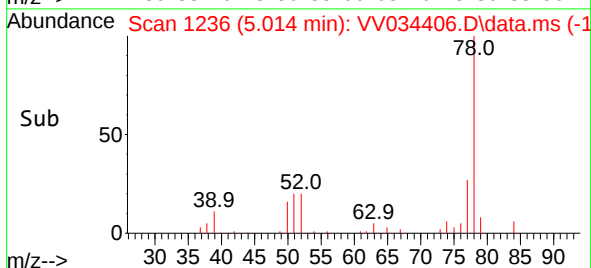
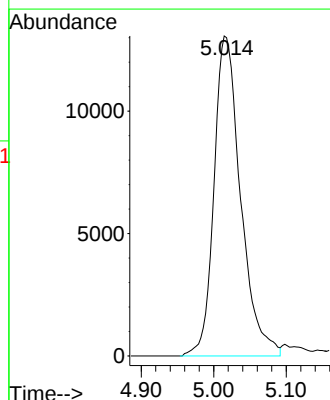
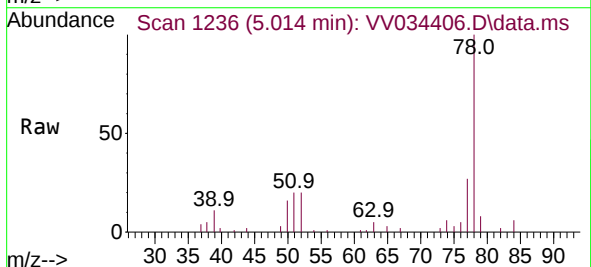
Instrument :  
MSVOA\_V  
ClientSampleId :

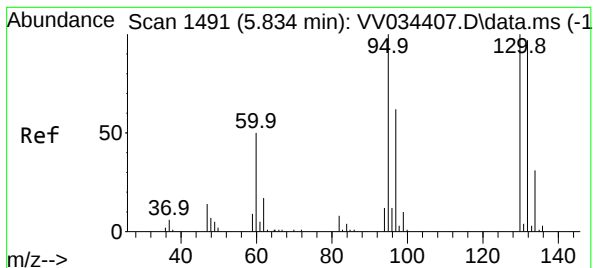
Tgt Ion:117 Resp: 13098  
Ion Ratio Lower Upper  
117 100  
119 100.3 77.0 115.6



#33  
Benzene  
Concen: 0.835 ug/L  
RT: 5.014 min Scan# 1236  
Delta R.T. 0.003 min  
Lab File: VV034406.D  
Acq: 26 Feb 2024 12:51

Tgt Ion: 78 Resp: 33351





#34

Trichloroethene

Concen: 0.788 ug/L

RT: 5.838 min Scan# 1492

Delta R.T. 0.003 min

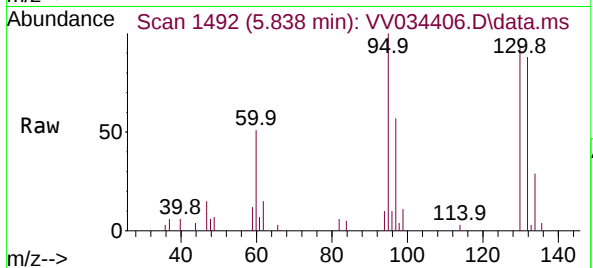
Lab File: VV034406.D

Acq: 26 Feb 2024 12:51

Instrument :

MSVOA\_V

ClientSampleId :



Tgt Ion: 95 Resp: 9068

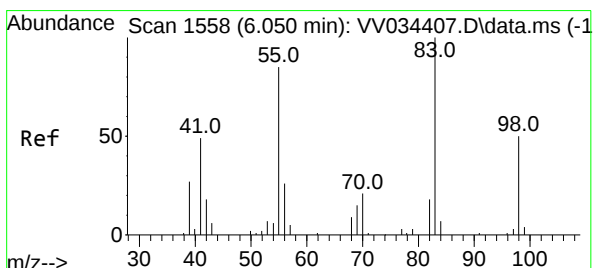
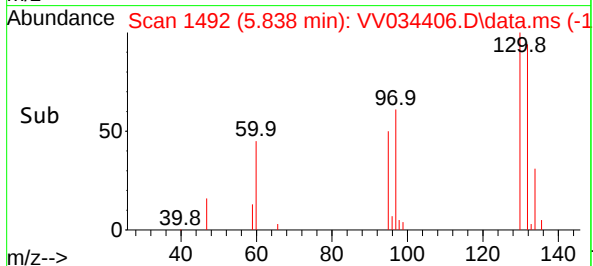
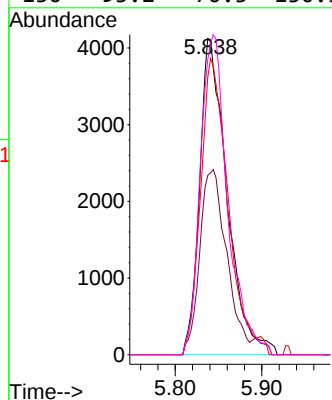
Ion Ratio Lower Upper

95 100

97 56.6 43.3 80.5

132 87.7 67.8 126.0

130 93.2 70.3 130.5



#35

Methylcyclohexane

Concen: 0.777 ug/L

RT: 6.053 min Scan# 1559

Delta R.T. 0.003 min

Lab File: VV034406.D

Acq: 26 Feb 2024 12:51

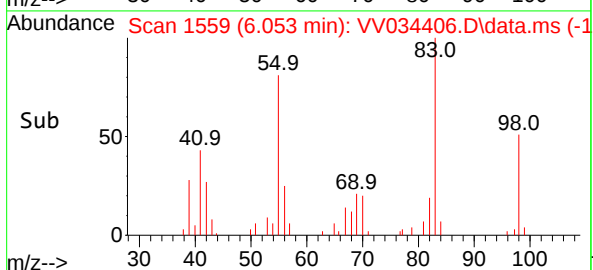
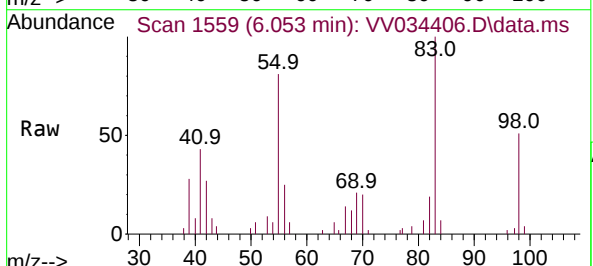
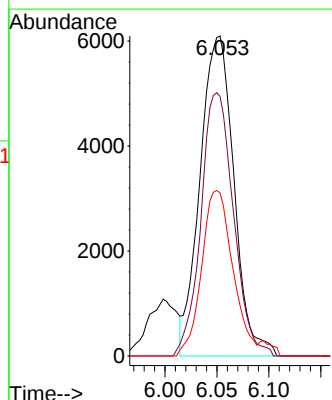
Tgt Ion: 83 Resp: 13850

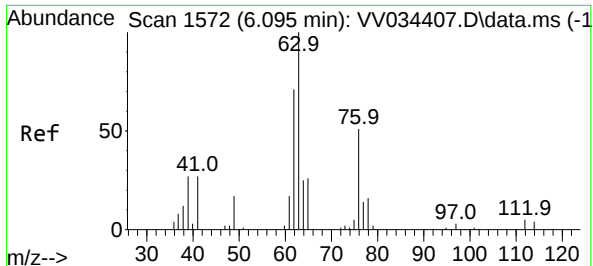
Ion Ratio Lower Upper

83 100

55 78.9 61.9 92.9

98 47.5 38.1 57.1





#37

1,2-Dichloropropane

Concen: 0.886 ug/L

RT: 6.098 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV034406.D

Acq: 26 Feb 2024 12:51

Instrument :

MSVOA\_V

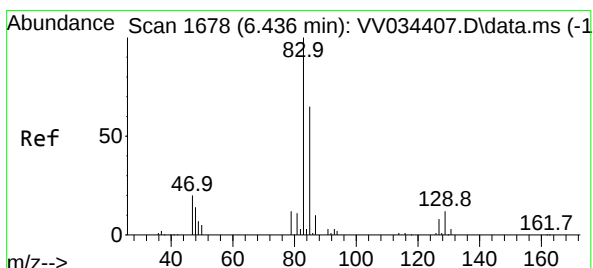
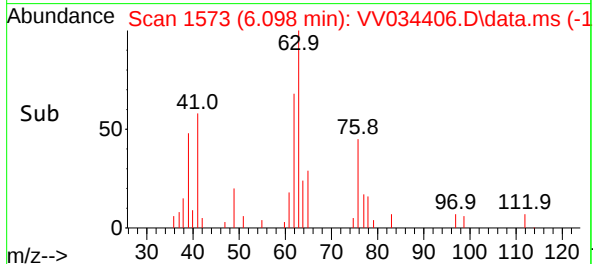
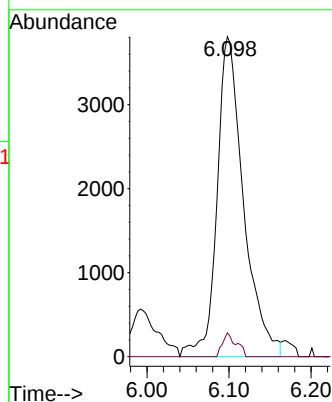
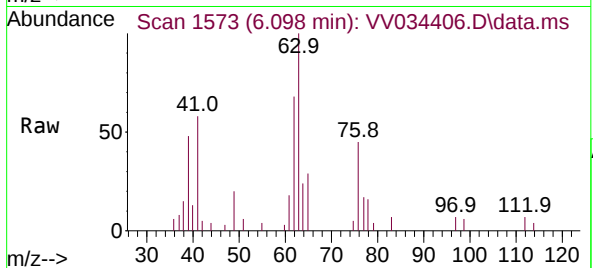
ClientSampleId :

Tgt Ion: 63 Resp: 8560

Ion Ratio Lower Upper

63 100

112 3.9 3.4 5.0



#38

Bromodichloromethane

Concen: 0.896 ug/L

RT: 6.439 min Scan# 1679

Delta R.T. 0.003 min

Lab File: VV034406.D

Acq: 26 Feb 2024 12:51

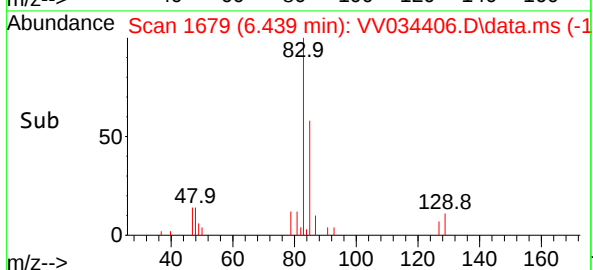
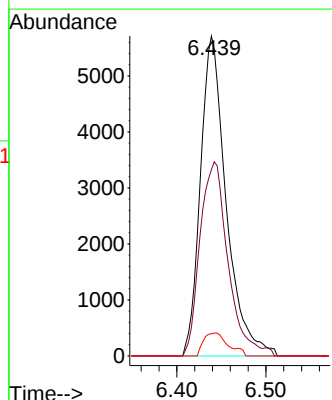
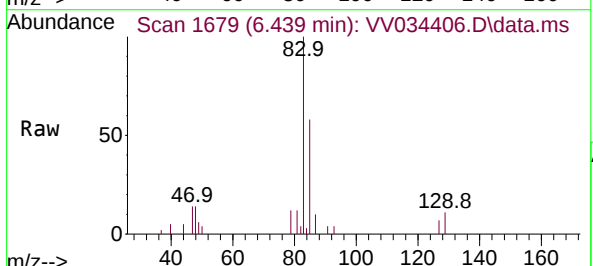
Tgt Ion: 83 Resp: 11486

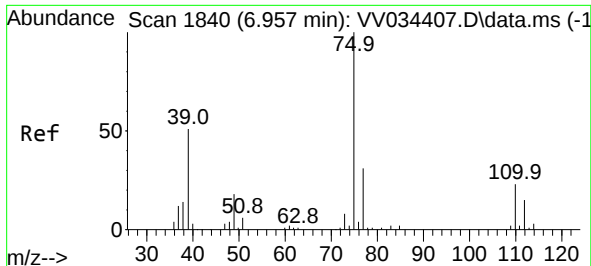
Ion Ratio Lower Upper

83 100

85 58.2 45.4 84.2

127 6.9 6.8 10.2





#39

cis-1,3-Dichloropropene

Concen: 0.708 ug/L

RT: 6.966 min Scan# 1840

Delta R.T. 0.010 min

Lab File: VV034406.D

Acq: 26 Feb 2024 12:51

Instrument :

MSVOA\_V

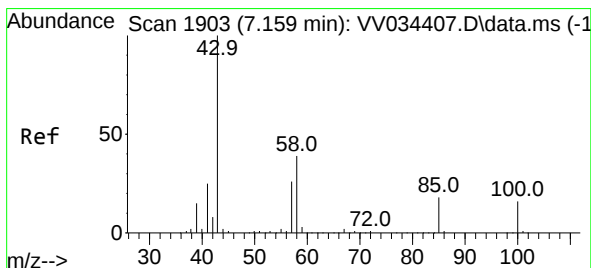
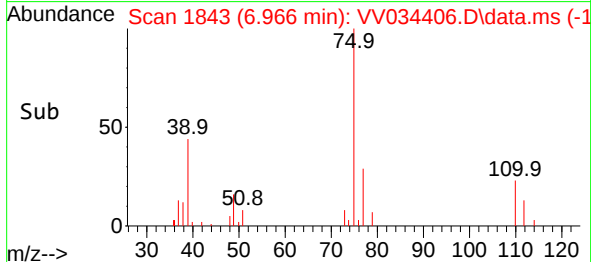
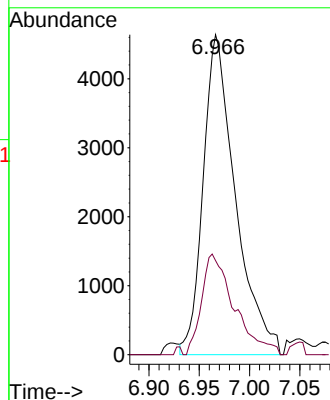
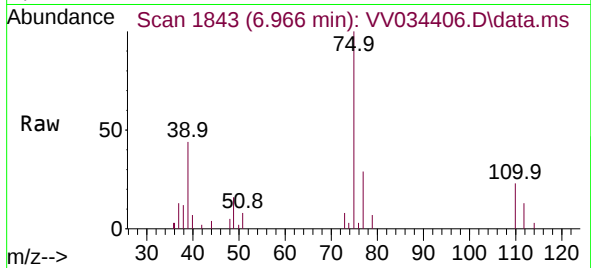
ClientSampleId :

Tgt Ion: 75 Resp: 10342

Ion Ratio Lower Upper

75 100

77 29.4 21.5 39.9



#40

4-Methyl-2-pentanone

Concen: 9.303 ug/L

RT: 7.165 min Scan# 1905

Delta R.T. 0.006 min

Lab File: VV034406.D

Acq: 26 Feb 2024 12:51

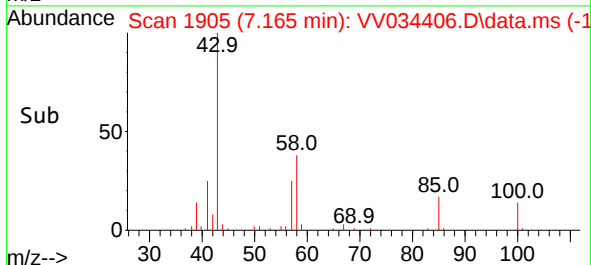
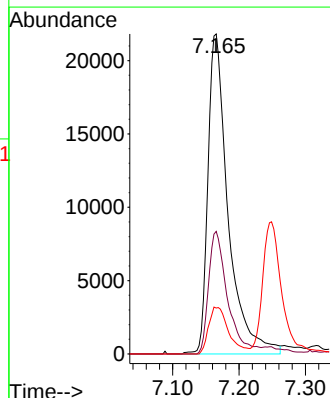
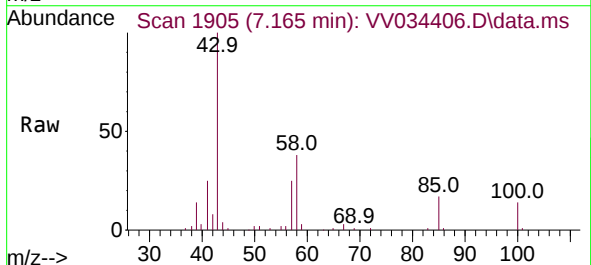
Tgt Ion: 43 Resp: 46201

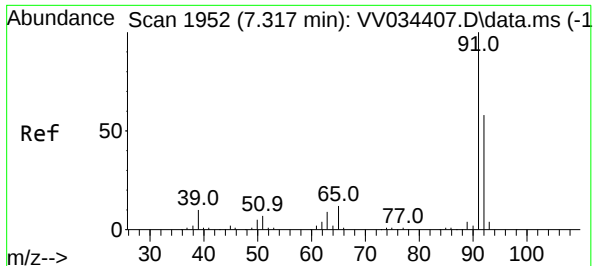
Ion Ratio Lower Upper

43 100

58 36.2 30.7 46.1

100 14.7 12.3 18.5





#42

Toluene

Concen: 0.807 ug/L

RT: 7.320 min Scan# 1952

Delta R.T. 0.003 min

Lab File: VV034406.D

Acq: 26 Feb 2024 12:51

Instrument :

MSVOA\_V

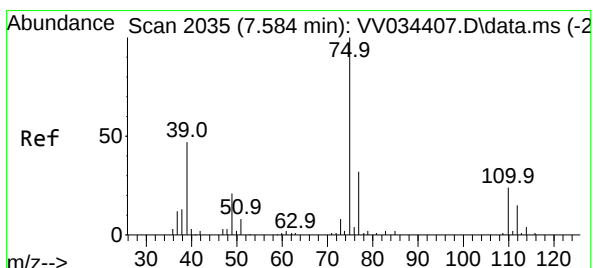
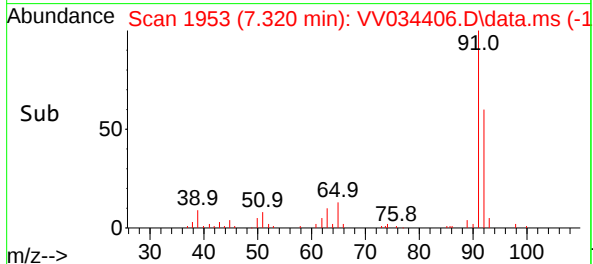
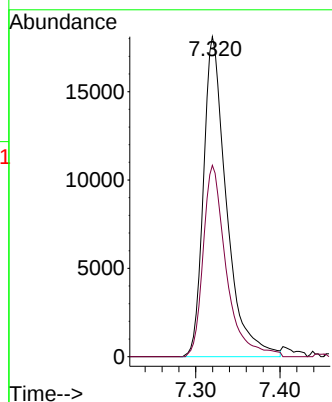
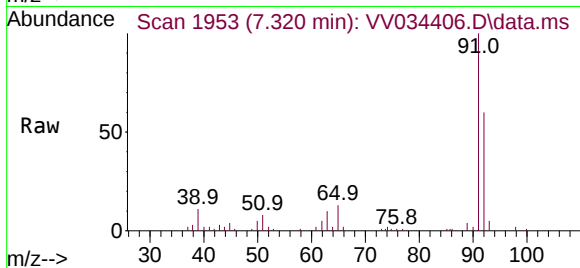
ClientSampleId :

Tgt Ion: 91 Resp: 34479

Ion Ratio Lower Upper

91 100

92 59.8 40.5 75.3



#44

trans-1,3-Dichloropropene

Concen: 0.672 ug/L

RT: 7.596 min Scan# 2039

Delta R.T. 0.013 min

Lab File: VV034406.D

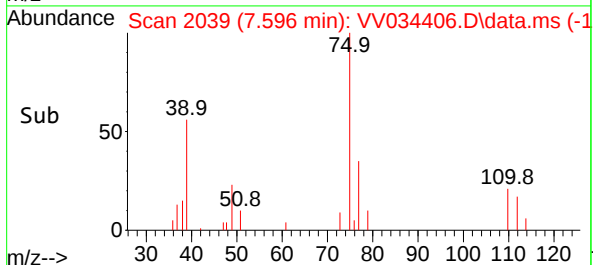
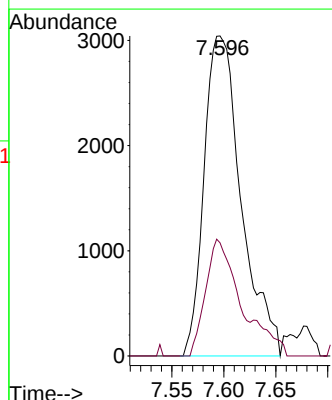
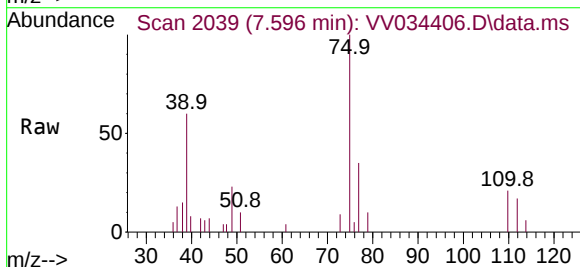
Acq: 26 Feb 2024 12:51

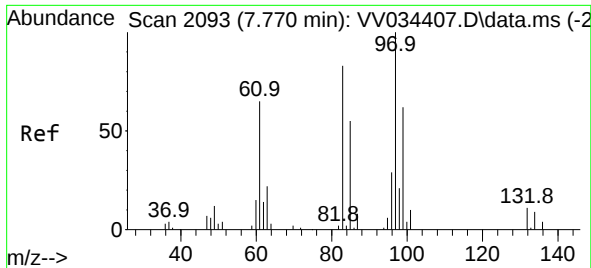
Tgt Ion: 75 Resp: 7563

Ion Ratio Lower Upper

75 100

77 35.3 22.7 42.1

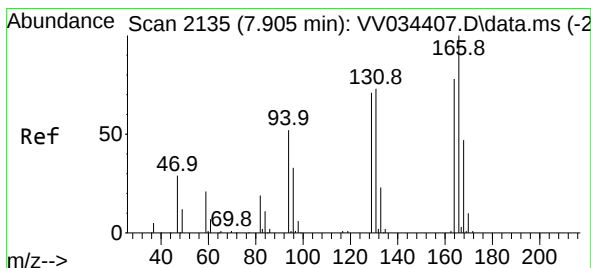
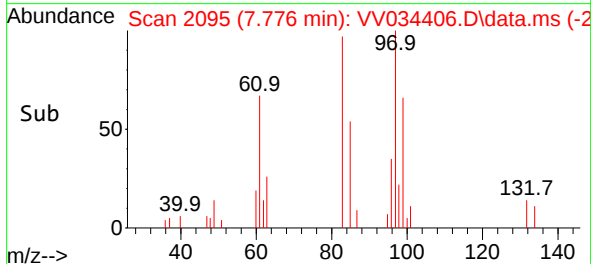
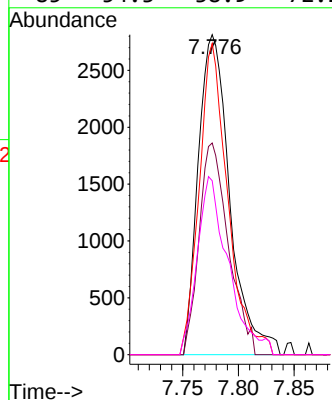
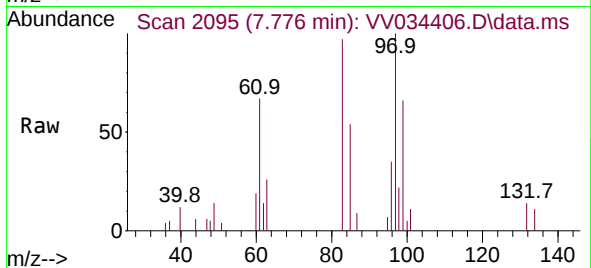




#45  
1,1,2-Trichloroethane  
Concen: 0.895 ug/L  
RT: 7.776 min Scan# 2093  
Delta R.T. 0.006 min  
Lab File: VV034406.D  
Acq: 26 Feb 2024 12:51

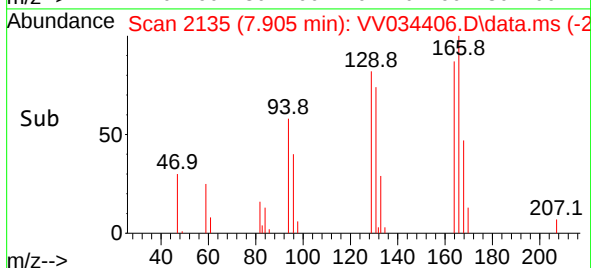
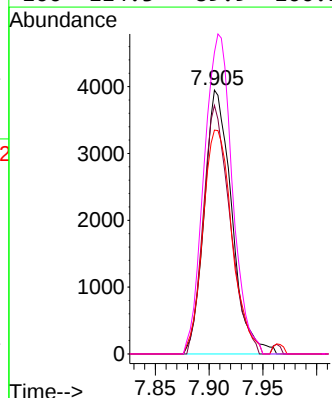
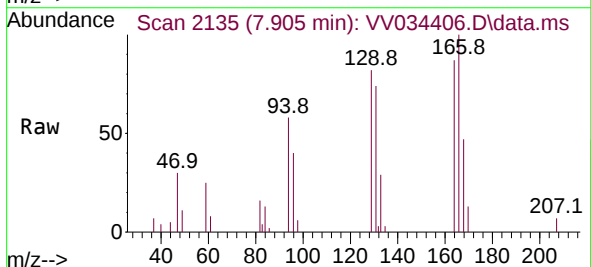
Instrument :  
MSVOA\_V  
ClientSampleId :

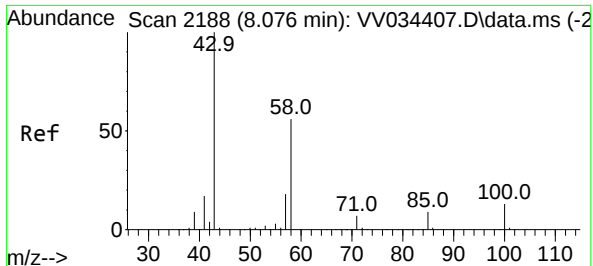
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 5559  |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 99       | 66.2  | 43.3  | 80.5  |
| 83       | 97.3  | 57.9  | 107.5 |
| 85       | 54.3  | 38.9  | 72.2  |



#47  
Tetrachloroethene  
Concen: 0.749 ug/L  
RT: 7.905 min Scan# 2135  
Delta R.T. -0.000 min  
Lab File: VV034406.D  
Acq: 26 Feb 2024 12:51

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 164   | Resp: | 6990  |
| Ion      | Ratio | Lower | Upper |
| 164      | 100   |       |       |
| 129      | 94.3  | 64.2  | 119.2 |
| 131      | 84.8  | 65.9  | 122.3 |
| 166      | 114.3 | 89.9  | 166.9 |





#48

2-Hexanone

Concen: 8.638 ug/L

RT: 8.085 min Scan# 2188

Delta R.T. 0.010 min

Lab File: VV034406.D

Acq: 26 Feb 2024 12:51

Instrument :

MSVOA\_V

ClientSampleId :

Tgt Ion: 43 Resp: 30261

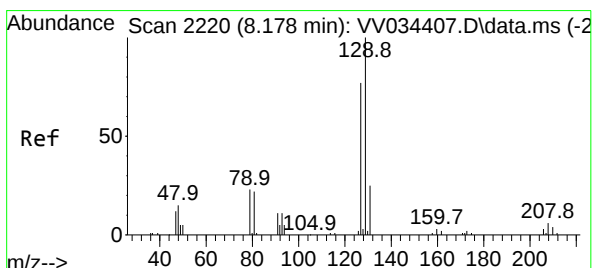
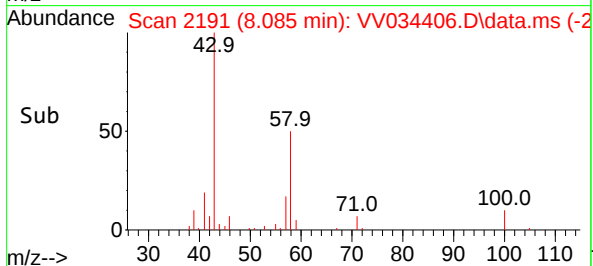
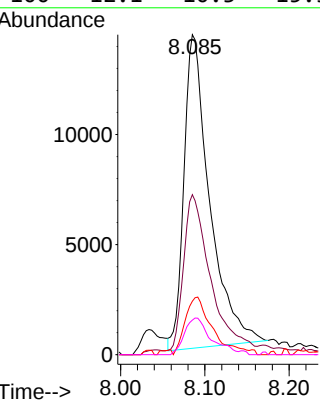
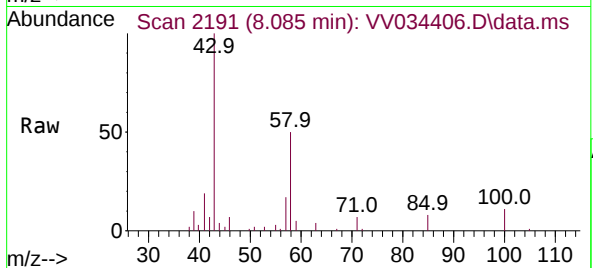
Ion Ratio Lower Upper

43 100

58 52.6 43.4 65.0

57 19.5 15.5 23.3

100 12.1 10.3 15.5



#49

Dibromochloromethane

Concen: 0.883 ug/L

RT: 8.181 min Scan# 2221

Delta R.T. 0.003 min

Lab File: VV034406.D

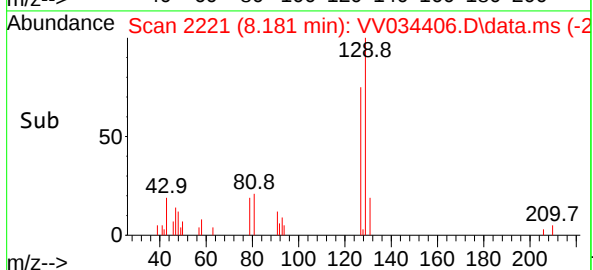
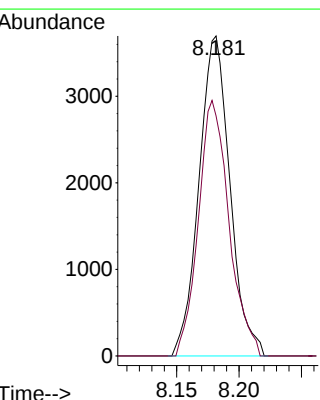
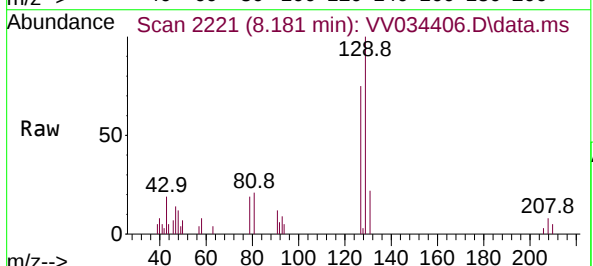
Acq: 26 Feb 2024 12:51

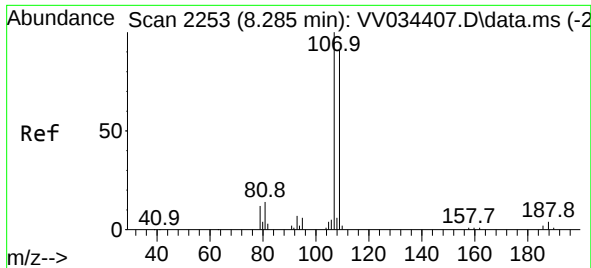
Tgt Ion:129 Resp: 6387

Ion Ratio Lower Upper

129 100

127 75.1 54.0 100.4





#50

1,2-Dibromoethane

Concen: 0.921 ug/L

RT: 8.291 min Scan# 21

Delta R.T. 0.006 min

Lab File: VV034406.D

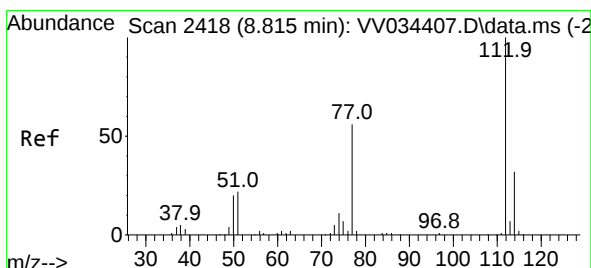
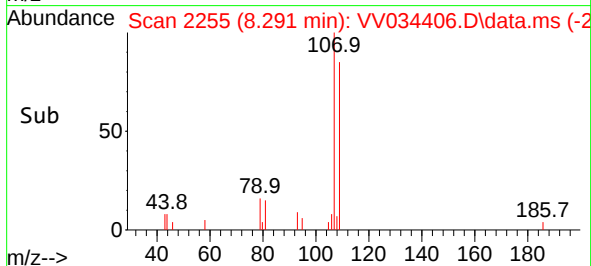
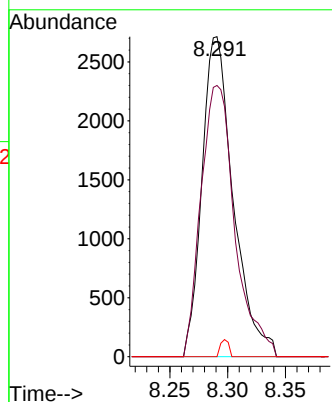
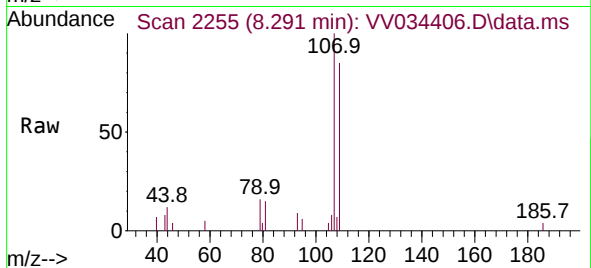
Acq: 26 Feb 2024 12:51

Instrument :

MSVOA\_V

ClientSampleId :

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:107 | Resp: | 5121        |
| Ion         | Ratio | Lower Upper |
| 107         | 100   |             |
| 109         | 84.7  | 63.8 118.4  |
| 188         | 0.0   | 3.1 4.7#    |



#51

Chlorobenzene

Concen: 0.844 ug/L

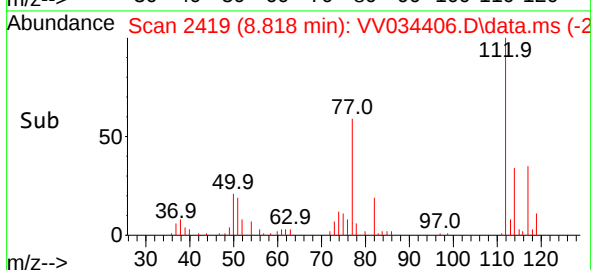
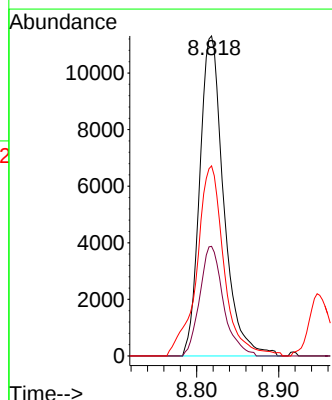
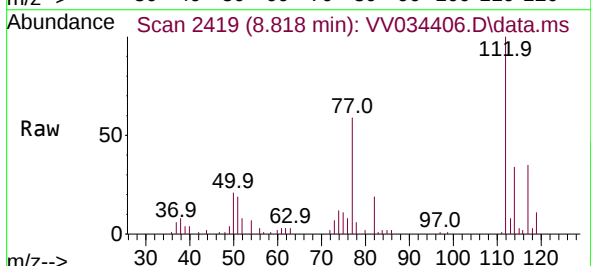
RT: 8.818 min Scan# 2419

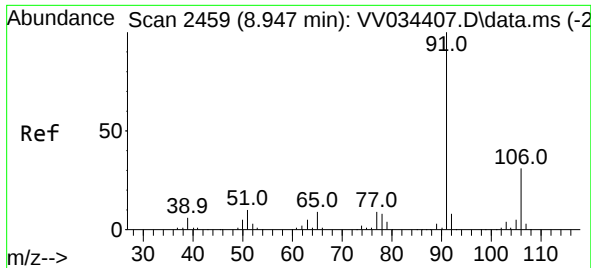
Delta R.T. 0.003 min

Lab File: VV034406.D

Acq: 26 Feb 2024 12:51

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:112 | Resp: | 22907       |
| Ion         | Ratio | Lower Upper |
| 112         | 100   |             |
| 114         | 34.3  | 22.5 41.9   |
| 77          | 59.4  | 45.4 68.2   |

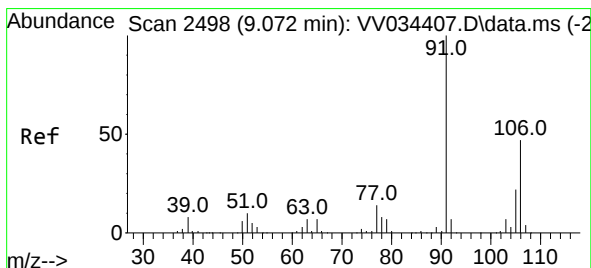
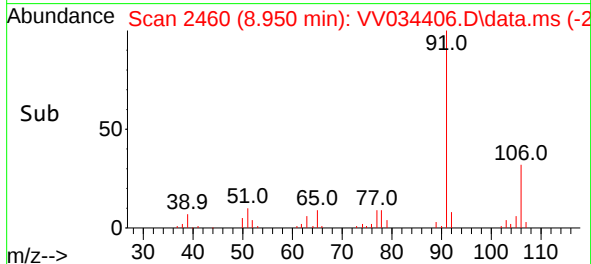
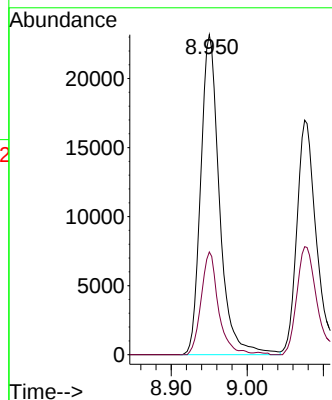
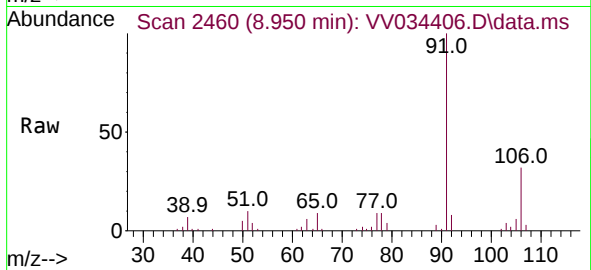




#52  
Ethylbenzene  
Concen: 0.812 ug/L  
RT: 8.950 min Scan# 2459  
Delta R.T. 0.003 min  
Lab File: VV034406.D  
Acq: 26 Feb 2024 12:51

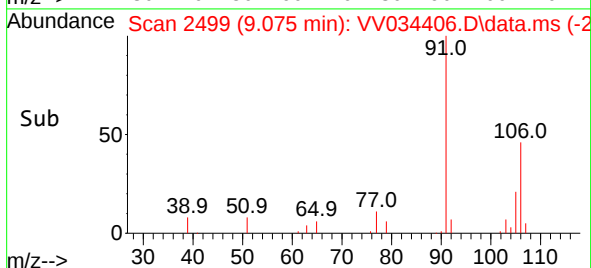
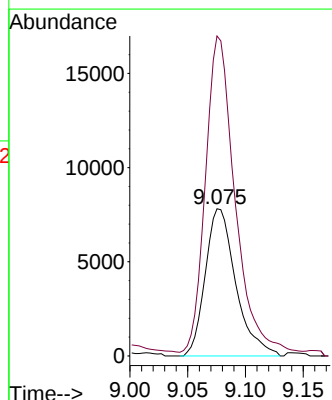
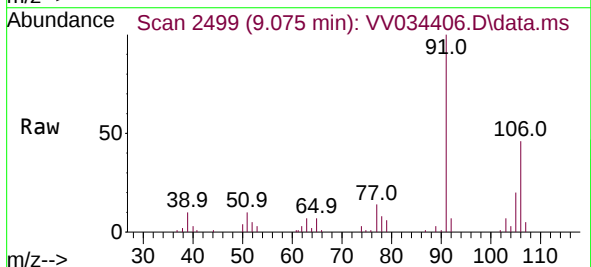
Instrument :  
MSVOA\_V  
ClientSampleId :

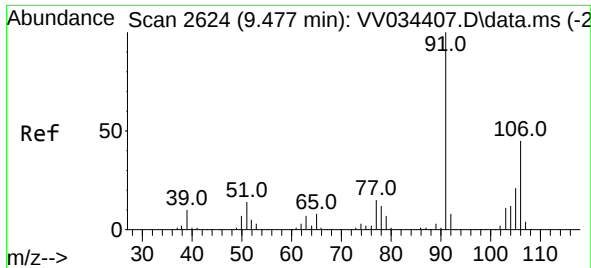
Tgt Ion: 91 Resp: 39702  
Ion Ratio Lower Upper  
91 100  
106 32.1 21.4 39.8



#53  
m,p-Xylene  
Concen: 0.779 ug/L  
RT: 9.075 min Scan# 2499  
Delta R.T. 0.003 min  
Lab File: VV034406.D  
Acq: 26 Feb 2024 12:51

Tgt Ion: 106 Resp: 14374  
Ion Ratio Lower Upper  
106 100  
91 217.3 148.5 275.9

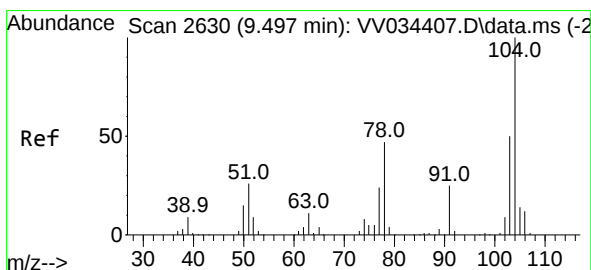
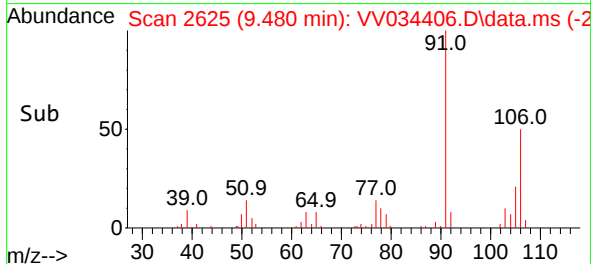
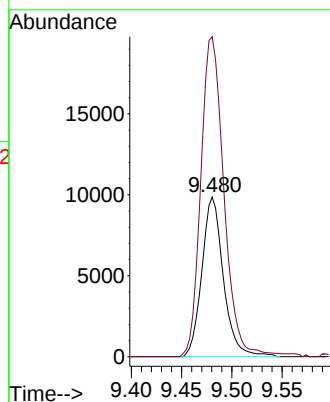
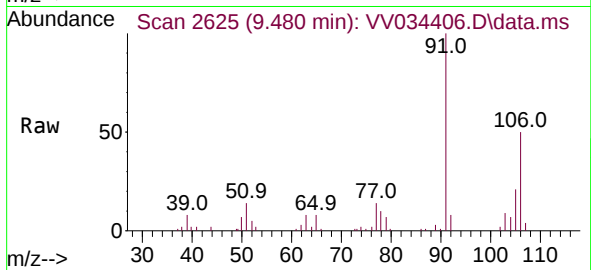




#54  
o-Xylene  
Concen: 0.820 ug/L  
RT: 9.480 min Scan# 2625  
Delta R.T. 0.003 min  
Lab File: VV034406.D  
Acq: 26 Feb 2024 12:51

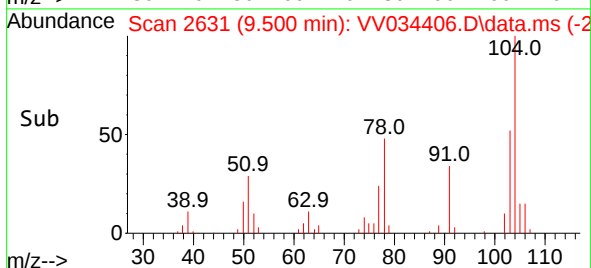
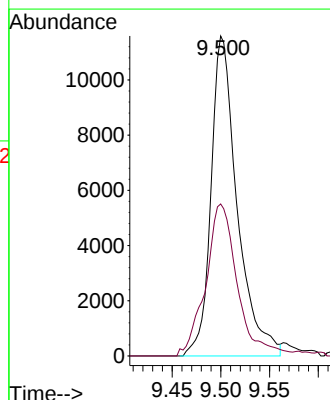
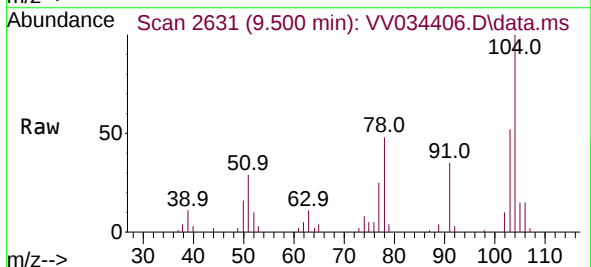
Instrument :  
MSVOA\_V  
ClientSampleId :

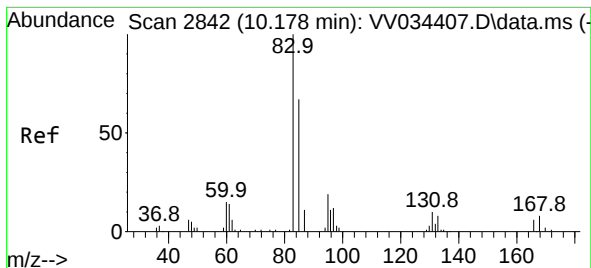
Tgt Ion:106 Resp: 14685  
Ion Ratio Lower Upper  
106 100  
91 200.5 155.8 289.3



#55  
Styrene  
Concen: 0.755 ug/L  
RT: 9.500 min Scan# 2631  
Delta R.T. 0.003 min  
Lab File: VV034406.D  
Acq: 26 Feb 2024 12:51

Tgt Ion:104 Resp: 21655  
Ion Ratio Lower Upper  
104 100  
78 47.5 32.9 61.1

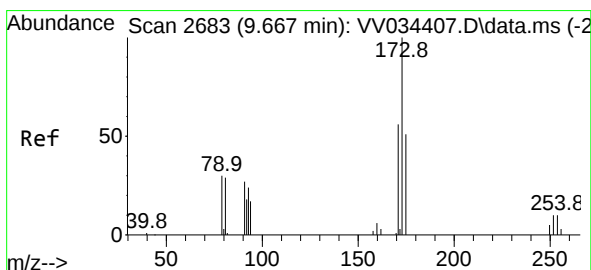
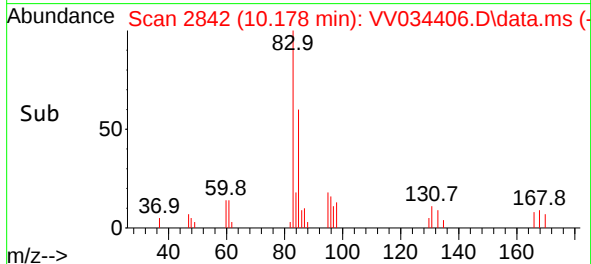
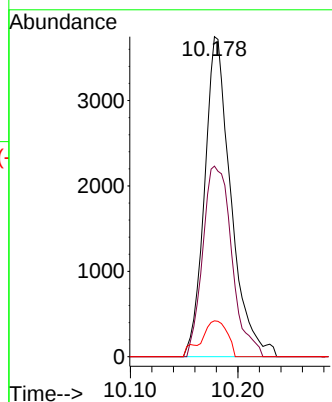
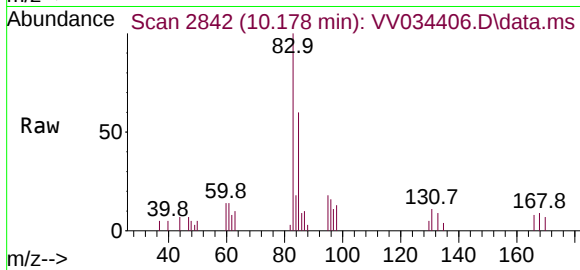




#57  
1,1,2,2-Tetrachloroethane  
Concen: 0.965 ug/L  
RT: 10.178 min Scan# 2842  
Delta R.T. -0.000 min  
Lab File: VV034406.D  
Acq: 26 Feb 2024 12:51

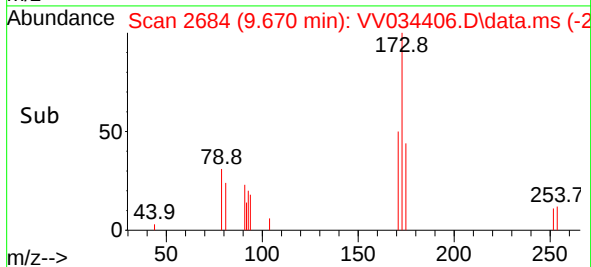
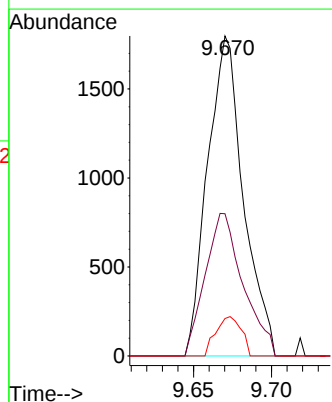
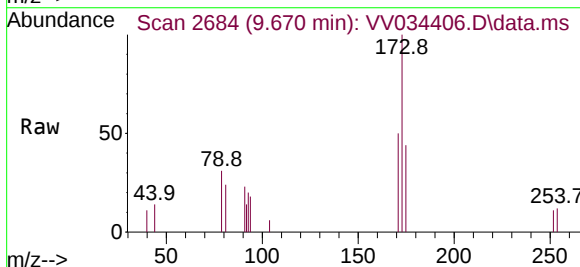
Instrument :  
MSVOA\_V  
ClientSampleId :

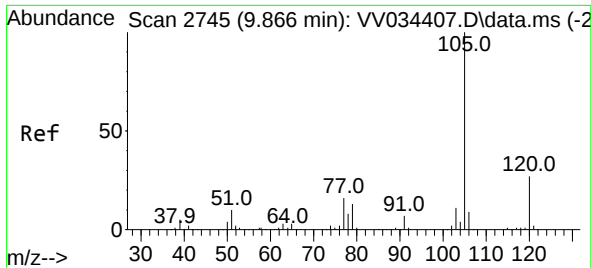
Tgt Ion: 83 Resp: 6379  
Ion Ratio Lower Upper  
83 100  
85 59.6 46.7 86.7  
131 11.2 8.6 12.8



#59  
Bromoform  
Concen: 0.788 ug/L  
RT: 9.670 min Scan# 2684  
Delta R.T. 0.003 min  
Lab File: VV034406.D  
Acq: 26 Feb 2024 12:51

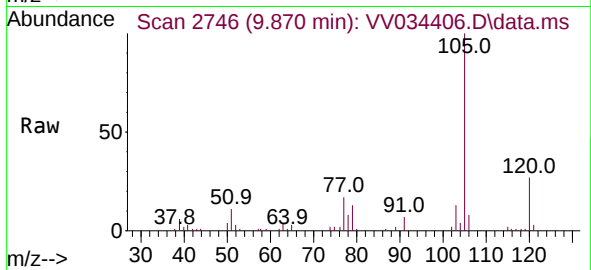
Tgt Ion: 173 Resp: 2872  
Ion Ratio Lower Upper  
173 100  
175 47.1 38.9 58.3  
254 8.7 7.8 11.6



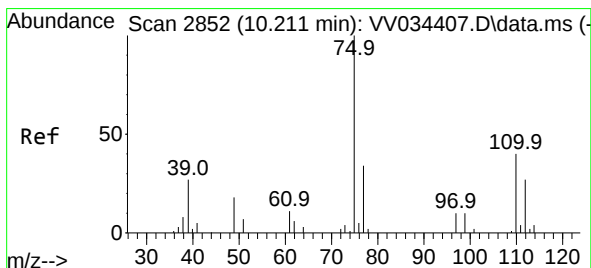
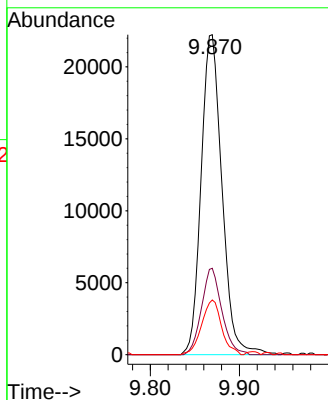
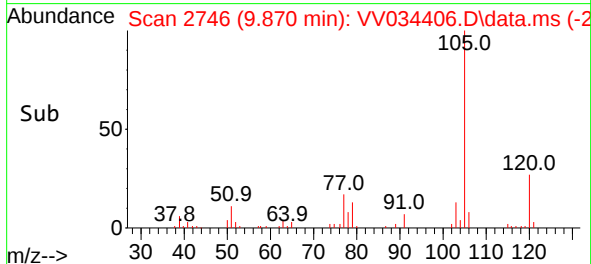


#60  
Isopropylbenzene  
Concen: 0.757 ug/L  
RT: 9.870 min Scan# 21  
Delta R.T. 0.003 min  
Lab File: VV034406.D  
Acq: 26 Feb 2024 12:51

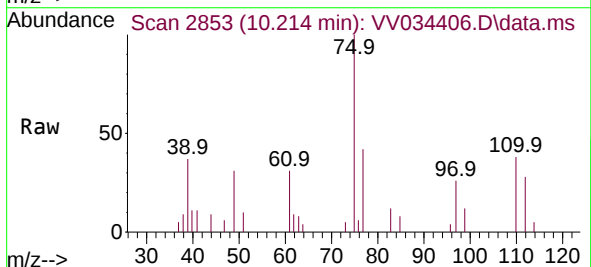
Instrument :  
MSVOA\_V  
ClientSampleId :



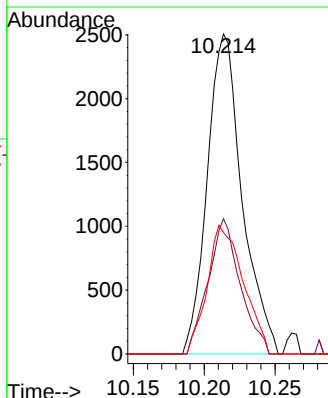
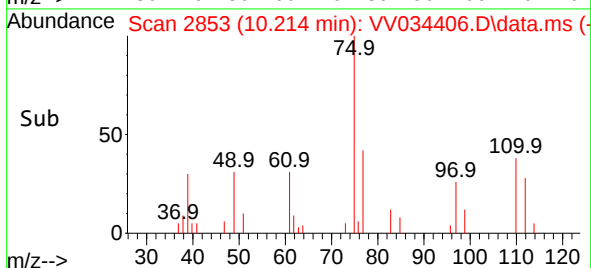
Tgt Ion:105 Resp: 36164  
Ion Ratio Lower Upper  
105 100  
120 26.2 21.3 31.9  
77 16.3 13.0 19.4

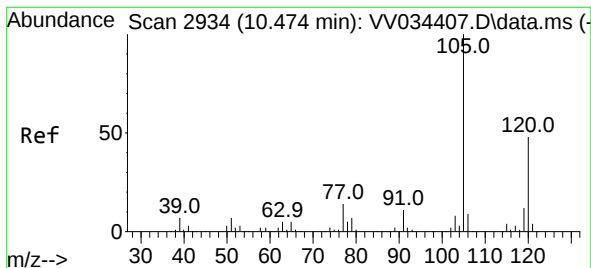


#61  
1,2,3-Trichloropropane  
Concen: 0.900 ug/L  
RT: 10.214 min Scan# 2853  
Delta R.T. 0.003 min  
Lab File: VV034406.D  
Acq: 26 Feb 2024 12:51



Tgt Ion: 75 Resp: 4286  
Ion Ratio Lower Upper  
75 100  
77 39.1 27.7 41.5  
110 41.6 32.0 48.0





#62

1,3,5-Trimethylbenzene

Concen: 0.759 ug/L

RT: 10.477 min Scan# 2934

Delta R.T. 0.003 min

Lab File: VV034406.D

Acq: 26 Feb 2024 12:51

Instrument :

MSVOA\_V

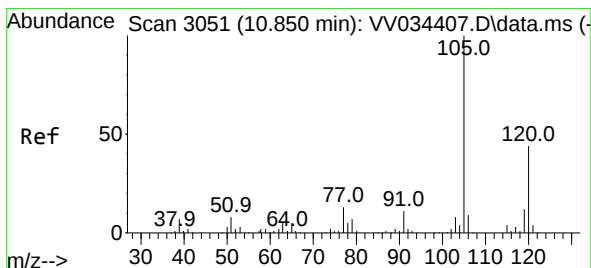
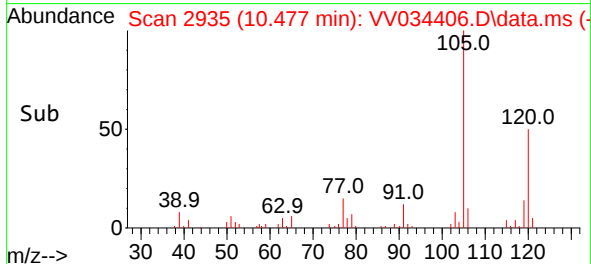
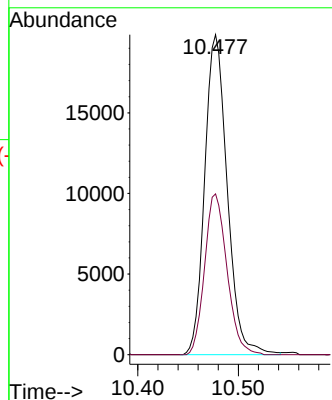
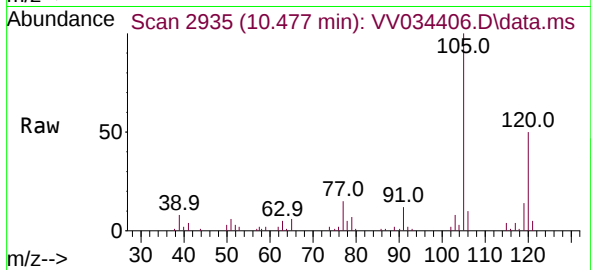
ClientSampleId :

Tgt Ion:105 Resp: 30898

Ion Ratio Lower Upper

105 100

120 49.8 38.7 58.1



#63

1,2,4-Trimethylbenzene

Concen: 0.772 ug/L

RT: 10.853 min Scan# 3052

Delta R.T. 0.003 min

Lab File: VV034406.D

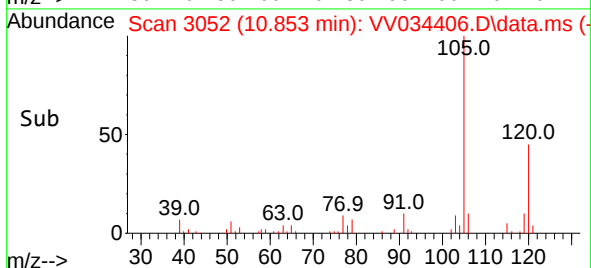
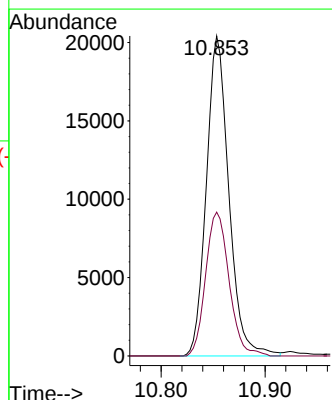
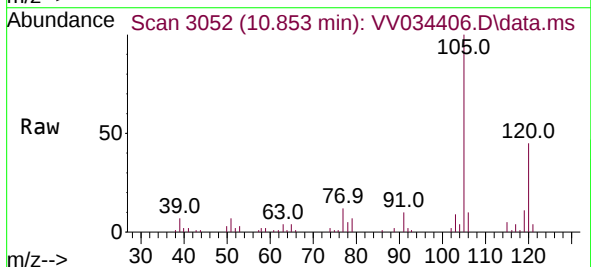
Acq: 26 Feb 2024 12:51

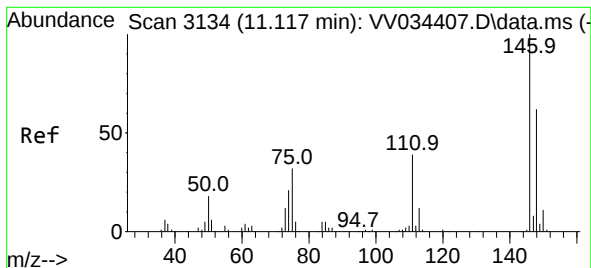
Tgt Ion:105 Resp: 30651

Ion Ratio Lower Upper

105 100

120 47.0 35.4 53.2





#64

1,3-Dichlorobenzene

Concen: 0.829 ug/L

RT: 11.120 min Scan# 3134

Delta R.T. 0.003 min

Lab File: VV034406.D

Acq: 26 Feb 2024 12:51

Instrument :

MSVOA\_V

ClientSampleId :

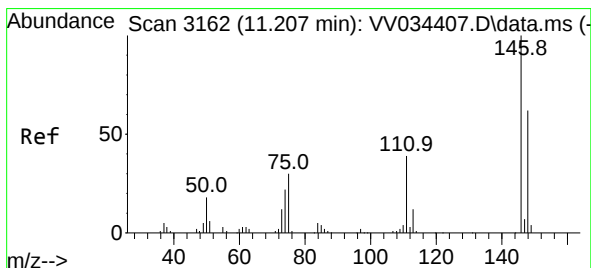
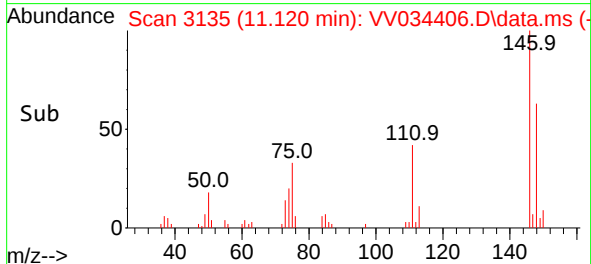
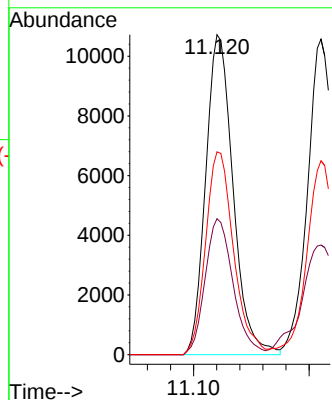
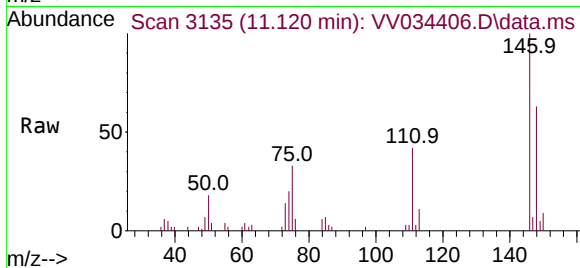
Tgt Ion:146 Resp: 17642

Ion Ratio Lower Upper

146 100

111 42.5 27.0 50.2

148 63.4 43.1 80.1



#65

1,4-Dichlorobenzene

Concen: 0.851 ug/L

RT: 11.210 min Scan# 3163

Delta R.T. 0.003 min

Lab File: VV034406.D

Acq: 26 Feb 2024 12:51

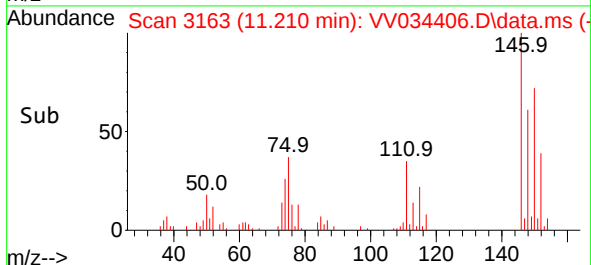
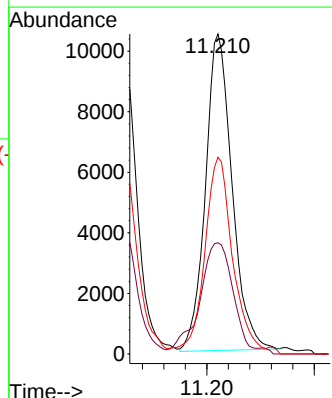
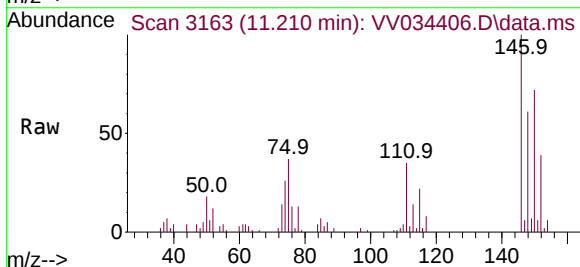
Tgt Ion:146 Resp: 17969

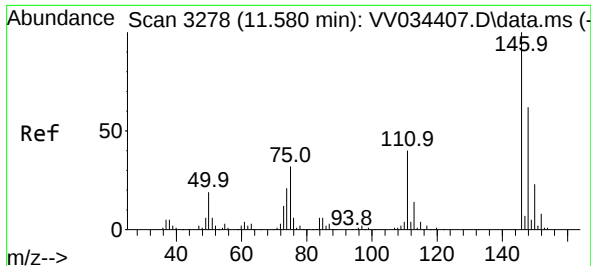
Ion Ratio Lower Upper

146 100

111 34.7 27.2 50.6

148 61.5 43.5 80.9

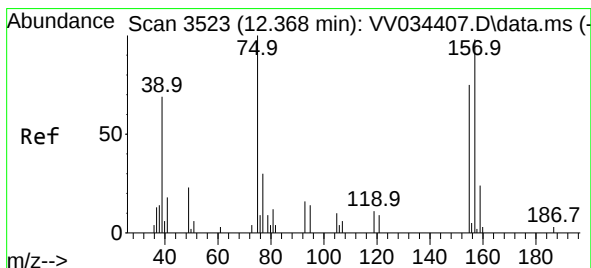
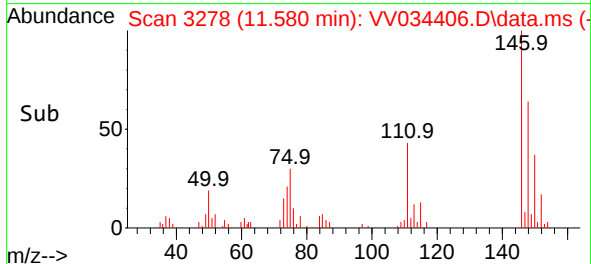
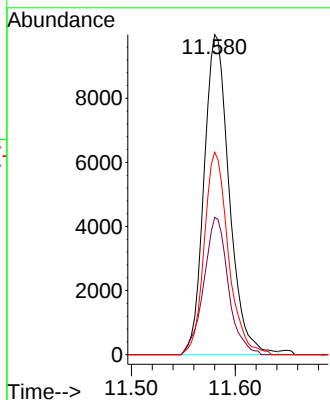
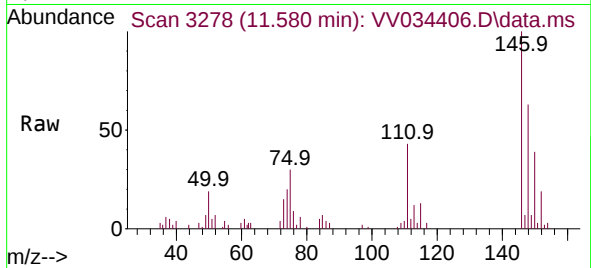




#67  
1,2-Dichlorobenzene  
Concen: 0.908 ug/L  
RT: 11.580 min Scan# 31  
Delta R.T. -0.000 min  
Lab File: VV034406.D  
Acq: 26 Feb 2024 12:51

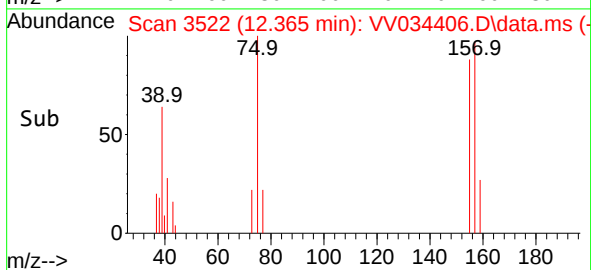
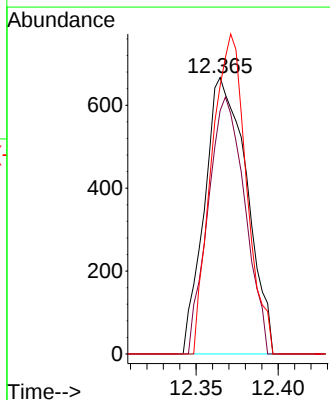
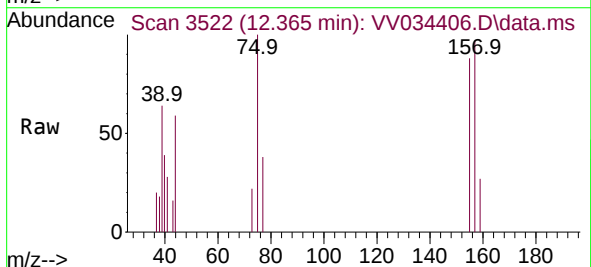
Instrument :  
MSVOA\_V  
ClientSampleId :

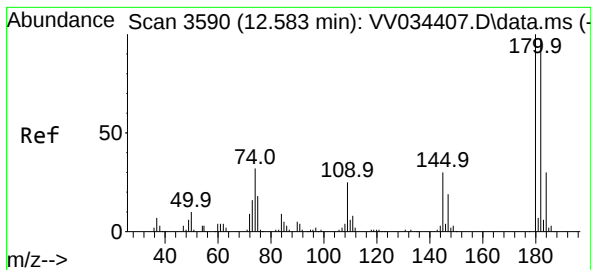
Tgt Ion:146 Resp: 16798  
Ion Ratio Lower Upper  
146 100  
111 42.9 32.2 48.4  
148 63.3 49.7 74.5



#68  
1,2-Dibromo-3-chloropropane  
Concen: 1.158 ug/L  
RT: 12.365 min Scan# 3522  
Delta R.T. -0.003 min  
Lab File: VV034406.D  
Acq: 26 Feb 2024 12:51

Tgt Ion: 75 Resp: 1194  
Ion Ratio Lower Upper  
75 100  
155 88.0 60.0 90.0  
157 97.0 78.6 117.8





#69

1,3,5-Trichlorobenzene

Concen: 0.828 ug/L

RT: 12.583 min Scan# 31

Delta R.T. -0.000 min

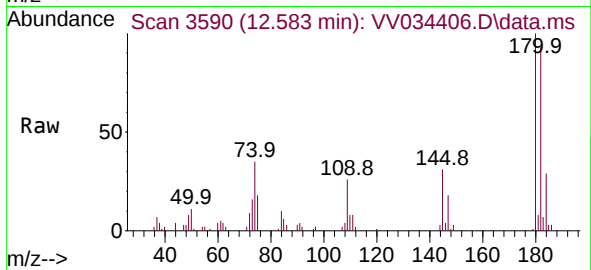
Lab File: VV034406.D

Acq: 26 Feb 2024 12:51

Instrument :

MSVOA\_V

ClientSampleId :



Tgt Ion:180 Resp: 13533

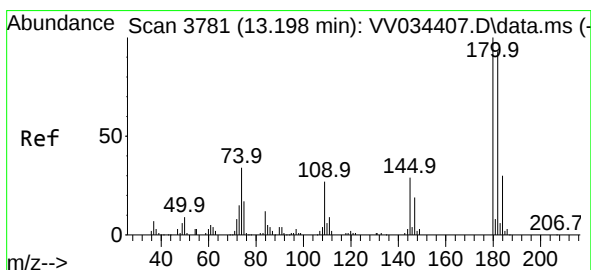
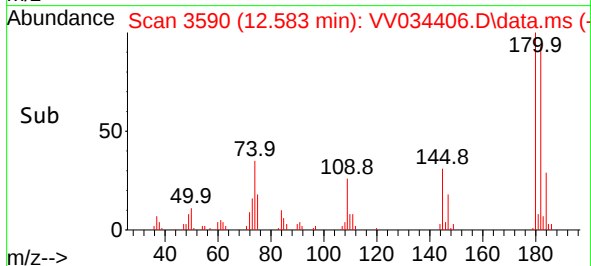
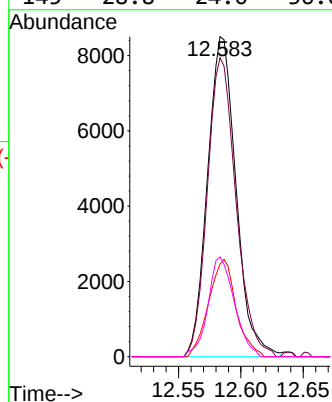
Ion Ratio Lower Upper

180 100

182 93.5 77.8 116.6

184 29.2 23.8 35.8

145 28.8 24.0 36.0



#70

1,2,4-trichlorobenzene

Concen: 0.849 ug/L

RT: 13.201 min Scan# 3782

Delta R.T. 0.003 min

Lab File: VV034406.D

Acq: 26 Feb 2024 12:51

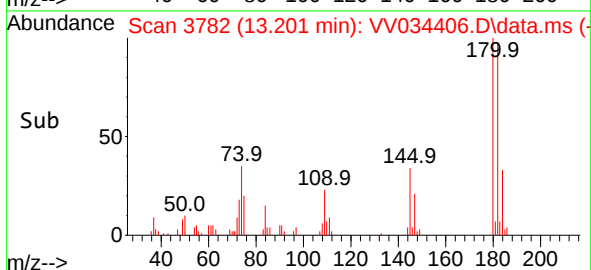
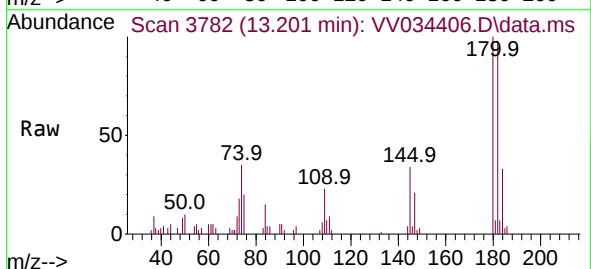
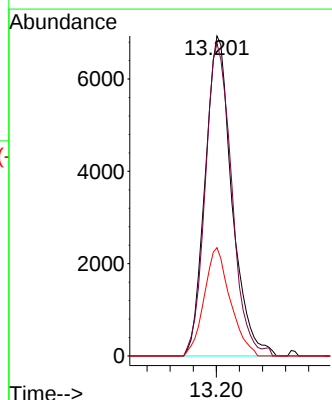
Tgt Ion:180 Resp: 11173

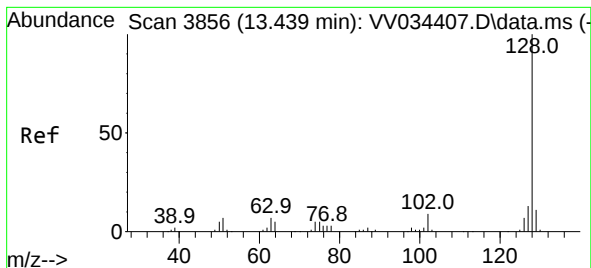
Ion Ratio Lower Upper

180 100

182 96.4 75.3 112.9

145 32.9 23.6 35.4





#71

Naphthalene

Concen: 0.962 ug/L

RT: 13.445 min Scan# 3856

Delta R.T. 0.006 min

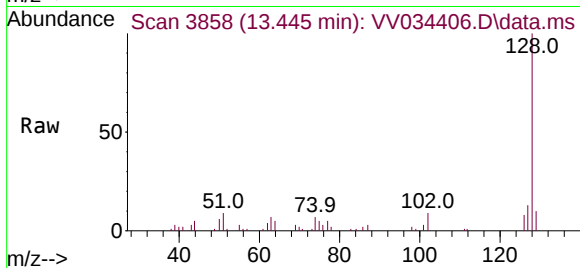
Lab File: VV034406.D

Acq: 26 Feb 2024 12:51

Instrument :

MSVOA\_V

ClientSampleId :



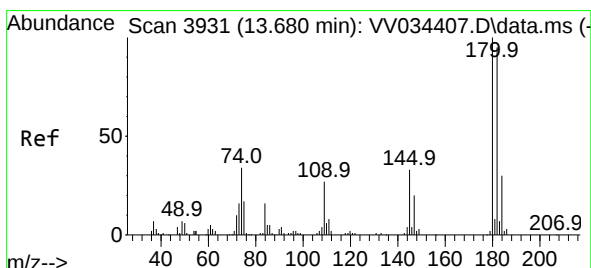
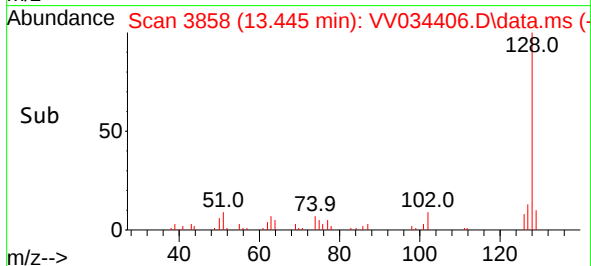
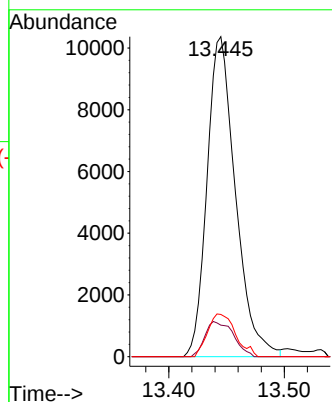
Tgt Ion:128 Resp: 17734

Ion Ratio Lower Upper

128 100

129 11.0 8.4 12.6

127 13.1 10.4 15.6



#72

1,2,3-Trichlorobenzene

Concen: 0.984 ug/L

RT: 13.683 min Scan# 3932

Delta R.T. 0.003 min

Lab File: VV034406.D

Acq: 26 Feb 2024 12:51

Tgt Ion:180 Resp: 10496

Ion Ratio Lower Upper

180 100

182 88.2 76.1 114.1

145 30.6 25.8 38.6

