

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV082124\  
 Data File : VV036990.D  
 Acq On : 21 Aug 2024 12:24  
 Operator : SY/MD  
 Sample : VSTD10055  
 Misc : 5.00mL/10mL/MSVOA\_V/SOIL  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Aug 22 01:03:41 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM082124SMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Aug 22 00:59:57 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| -----                         |        |      |          |         |        |          |
| Internal Standards            |        |      |          |         |        |          |
| 1) 1,4-Difluorobenzene        | 5.532  | 114  | 720469   | 25.000  | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.780  | 117  | 684001   | 25.000  | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.178 | 152  | 339223   | 25.000  | ug/L   | 0.00     |
| System Monitoring Compounds   |        |      |          |         |        |          |
| 4) Vinyl Chloride-d3          | 1.281  | 65   | 1038977  | 88.709  | ug/L   | 0.00     |
| 7) Chloroethane-d5            | 1.535  | 69   | 843110   | 88.116  | ug/L   | 0.00     |
| 11) 1,1-Dichloroethene-d2     | 2.060  | 65   | 460150   | 89.066  | ug/L   | 0.00     |
| 21) 2-Butanone-d5             | 3.818  | 46   | 112056   | 63.640  | ug/L   | -0.03    |
| 24) Chloroform-d              | 4.246  | 84   | 1954737  | 91.387  | ug/L   | 0.00     |
| 26) 1,2-Dichloroethane-d4     | 4.937  | 65   | 893408   | 91.529  | ug/L   | 0.00     |
| 32) Benzene-d6                | 4.953  | 84   | 3927955  | 90.970  | ug/L   | 0.00     |
| 36) 1,2-Dichloropropane-d6    | 5.985  | 67   | 1183638  | 92.495  | ug/L   | 0.00     |
| 41) Toluene-d8                | 7.236  | 98   | 3619945  | 92.400  | ug/L   | 0.00     |
| 43) trans-1,3-Dichloroprop... | 7.545  | 79   | 453712   | 100.063 | ug/L   | 0.00     |
| 47) 2-Hexanone-d5             | 8.027  | 63   | 189222   | 172.441 | ug/L   | 0.00     |
| 56) 1,1,2,2-Tetrachloroeth... | 10.146 | 84   | 689181   | 96.757  | ug/L   | 0.00     |
| 66) 1,2-Dichlorobenzene-d4    | 11.554 | 152  | 1144555  | 90.685  | ug/L   | 0.00     |
| Target Compounds              |        |      |          |         |        |          |
|                               |        |      |          |         |        | Qvalue   |
| 2) Dichlorodifluoromethane    | 1.111  | 85   | 945644   | 86.541  | ug/L   | 100      |
| 3) Chloromethane              | 1.220  | 50   | 1196063  | 90.499  | ug/L   | 100      |
| 5) Vinyl chloride             | 1.285  | 62   | 1172963  | 92.001  | ug/L   | 100      |
| 6) Bromomethane               | 1.490  | 94   | 779399   | 94.315  | ug/L   | 99       |
| 8) Chloroethane               | 1.552  | 64   | 760915   | 93.781  | ug/L   | 100      |
| 9) Trichlorofluoromethane     | 1.716  | 101  | 1500980  | 92.148  | ug/L   | 100      |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.069  | 101  | 931332   | 92.665  | ug/L   | 97       |
| 12) 1,1-Dichloroethene        | 2.072  | 96   | 902971   | 93.586  | ug/L   | 92       |
| 13) Acetone                   | 2.153  | 43   | 170756   | 54.303  | ug/L # | 47       |
| 14) Carbon disulfide          | 2.240  | 76   | 3049973  | 93.903  | ug/L   | 100      |
| 15) Methyl Acetate            | 2.384  | 43   | 276920   | 78.243  | ug/L   | 99       |
| 16) Methylene chloride        | 2.445  | 84   | 1042394  | 65.902  | ug/L   | 99       |
| 17) trans-1,2-Dichloroethene  | 2.690  | 96   | 1025081  | 94.851  | ug/L   | 99       |
| 18) Methyl tert-butyl Ether   | 2.709  | 73   | 2186641  | 98.493  | ug/L   | 99       |
| 19) 1,1-Dichloroethane        | 3.108  | 63   | 1976614  | 96.044  | ug/L   | 100      |
| 20) cis-1,2-Dichloroethene    | 3.809  | 96   | 1156290  | 99.122  | ug/L   | 98       |
| 22) 2-Butanone                | 3.908  | 43   | 258474   | 111.593 | ug/L # | 100      |
| 23) Bromochloromethane        | 4.143  | 128  | 456103   | 99.226  | ug/L   | 99       |
| 25) Chloroform                | 4.272  | 83   | 1975605  | 95.894  | ug/L   | 98       |
| 27) 1,2-Dichloroethane        | 5.037  | 62   | 1131165  | 100.488 | ug/L   | 99       |
| 29) Cyclohexane               | 4.574  | 56   | 1642134  | 96.050  | ug/L   | 100      |
| 30) 1,1,1-Trichloroethane     | 4.506  | 97   | 1636070  | 96.664  | ug/L   | 99       |
| 31) Carbon tetrachloride      | 4.728  | 117  | 1372261  | 97.707  | ug/L   | 100      |
| 33) Benzene                   | 5.005  | 78   | 4270121  | 97.118  | ug/L   | 100      |
| 34) Trichloroethene           | 5.825  | 95   | 1200541  | 96.159  | ug/L   | 99       |
| 35) Methylcyclohexane         | 6.043  | 83   | 1778475  | 96.090  | ug/L   | 99       |
| 37) 1,2-Dichloropropane       | 6.088  | 63   | 1088678  | 100.184 | ug/L # | 98       |
| 38) Bromodichloromethane      | 6.426  | 83   | 1370547  | 100.998 | ug/L   | 99       |
| 39) cis-1,3-Dichloropropene   | 6.947  | 75   | 1710078  | 105.147 | ug/L   | 99       |
| 40) 4-Methyl-2-pentanone      | 7.159  | 43   | 835683   | 186.101 | ug/L   | 99       |
| 42) Toluene                   | 7.310  | 91   | 4565485  | 98.133  | ug/L   | 100      |
| 44) trans-1,3-Dichloropropene | 7.574  | 75   | 1313875  | 106.539 | ug/L   | 98       |

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 Sample : VSTD10055  
 Misc : 5.00mL/10mL/MSVOA\_V/SOIL  
 ALS Vial : 7 Sample Multiplier: 1

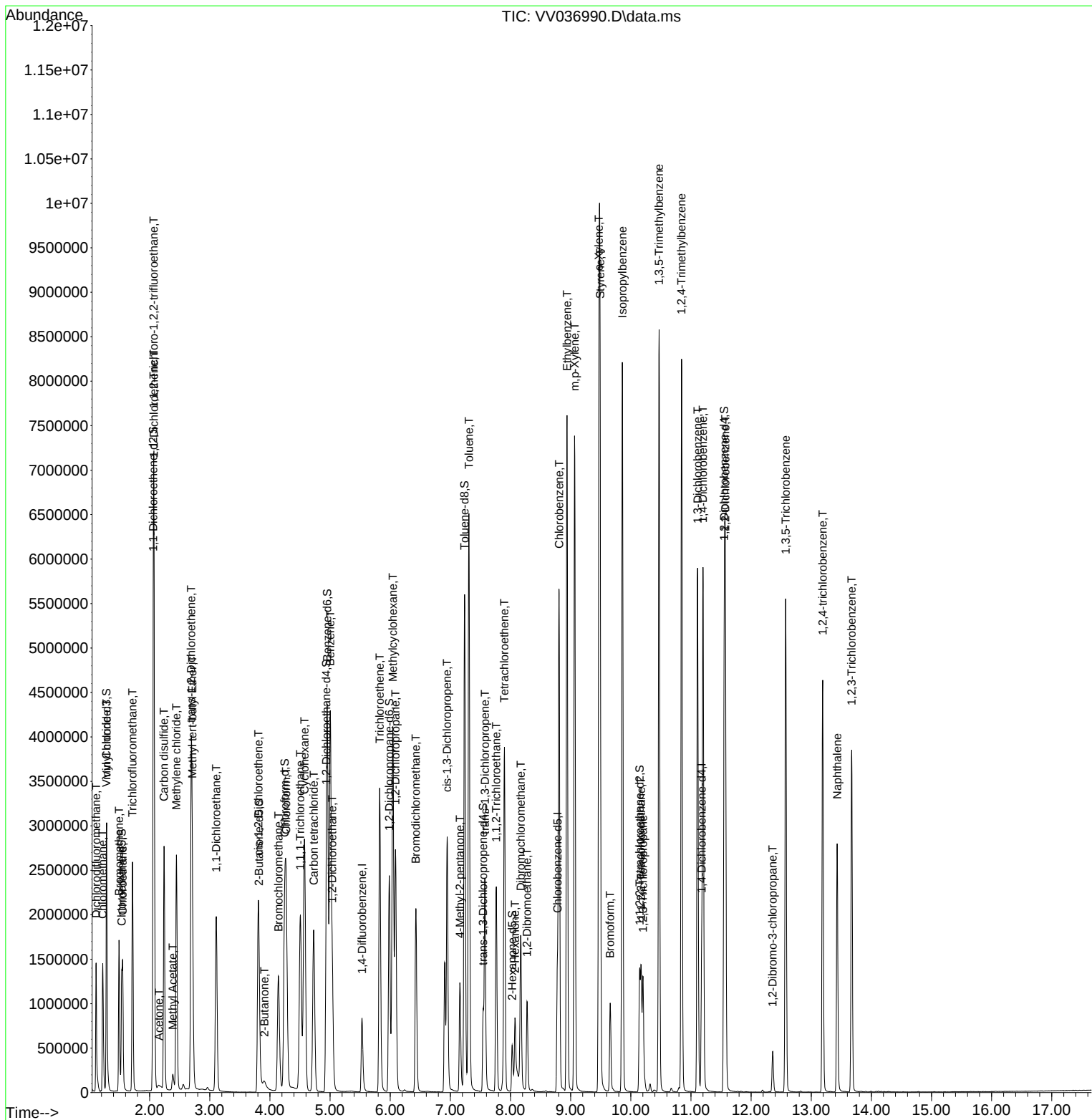
Instrument :  
 MSVOA\_V  
 ClientSampleId :

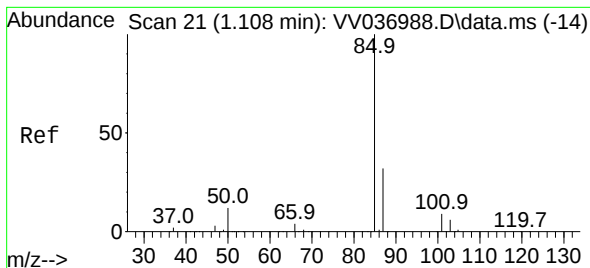
Quant Time: Aug 22 01:03:41 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM082124SMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Aug 22 00:59:57 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 45) 1,1,2-Trichloroethane     | 7.764  | 97   | 699096   | 99.363  | ug/L  | 99       |
| 46) Tetrachloroethene         | 7.899  | 164  | 813650   | 93.321  | ug/L  | 99       |
| 48) 2-Hexanone                | 8.075  | 43   | 563444   | 166.472 | ug/L  | 98       |
| 49) Dibromochloromethane      | 8.172  | 129  | 816857   | 104.442 | ug/L  | 100      |
| 50) 1,2-Dibromoethane         | 8.275  | 107  | 653967   | 100.609 | ug/L  | 97       |
| 51) Chlorobenzene             | 8.809  | 112  | 2916243  | 98.177  | ug/L  | 99       |
| 52) Ethylbenzene              | 8.940  | 91   | 5213493  | 99.205  | ug/L  | 100      |
| 53) m,p-Xylene                | 9.066  | 106  | 1982671  | 102.008 | ug/L  | 100      |
| 54) o-Xylene                  | 9.471  | 106  | 1925735  | 102.876 | ug/L  | 98       |
| 55) Styrene                   | 9.490  | 104  | 3255289  | 104.166 | ug/L  | 100      |
| 57) 1,1,2,2-Tetrachloroethane | 10.172 | 83   | 682516   | 101.634 | ug/L  | 99       |
| 59) Bromoform                 | 9.657  | 173  | 431831   | 108.715 | ug/L  | 99       |
| 60) Isopropylbenzene          | 9.860  | 105  | 5192907  | 99.565  | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 10.204 | 75   | 544785   | 100.141 | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene    | 10.471 | 105  | 4367341  | 101.028 | ug/L  | 99       |
| 63) 1,2,4-Trimethylbenzene    | 10.844 | 105  | 4371819  | 102.069 | ug/L  | 99       |
| 64) 1,3-Dichlorobenzene       | 11.111 | 146  | 2250655  | 96.872  | ug/L  | 99       |
| 65) 1,4-Dichlorobenzene       | 11.201 | 146  | 2202856  | 95.347  | ug/L  | 99       |
| 67) 1,2-Dichlorobenzene       | 11.574 | 146  | 1956667  | 97.848  | ug/L  | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 12.358 | 75   | 121409   | 109.581 | ug/L  | 98       |
| 69) 1,3,5-Trichlorobenzene    | 12.577 | 180  | 1592501  | 98.621  | ug/L  | 100      |
| 70) 1,2,4-trichlorobenzene    | 13.191 | 180  | 1288636  | 99.819  | ug/L  | 99       |
| 71) Naphthalene               | 13.432 | 128  | 2113956  | 104.308 | ug/L  | 100      |
| 72) 1,2,3-Trichlorobenzene    | 13.673 | 180  | 1064240  | 98.213  | ug/L  | 98       |

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

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Response via : Initial Calibration

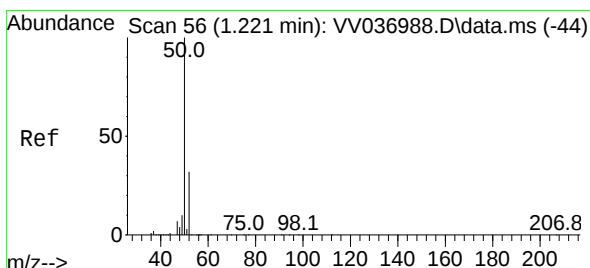
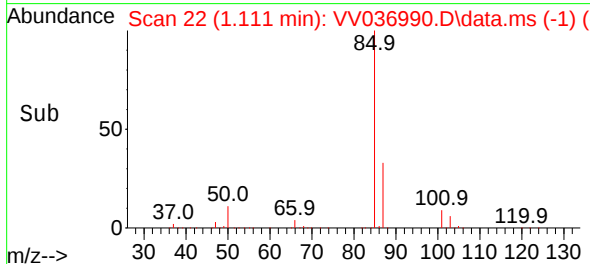
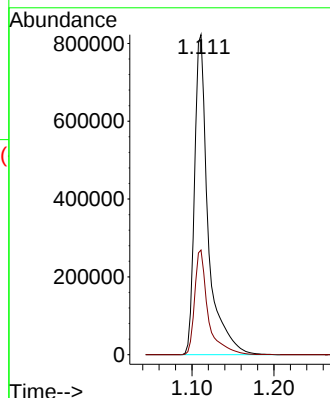
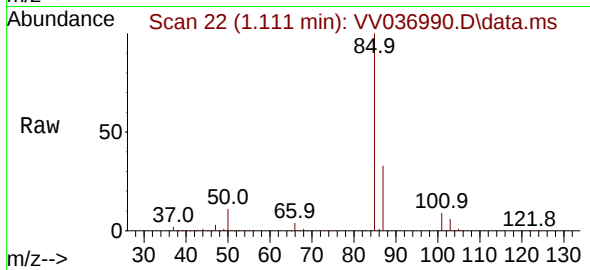




#2  
Dichlorodifluoromethane  
Concen: 86.541 ug/L  
RT: 1.111 min Scan# 21  
Delta R.T. 0.003 min  
Lab File: VV036990.D  
Acq: 21 Aug 2024 12:24

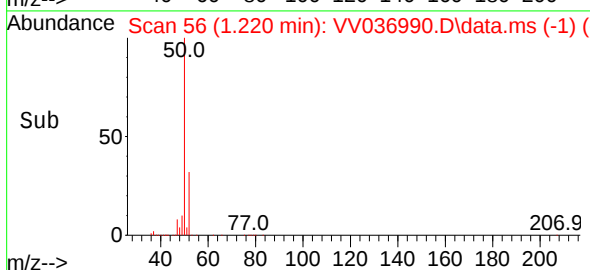
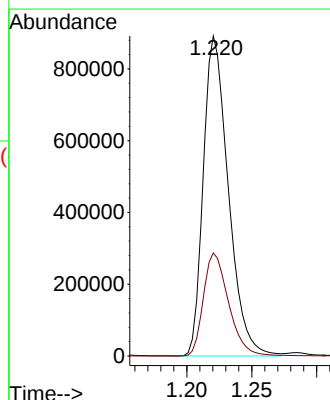
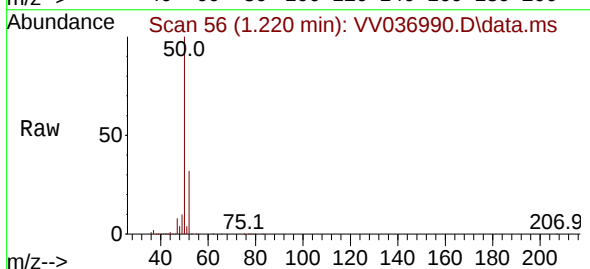
Instrument :  
MSVOA\_V  
ClientSampleId :

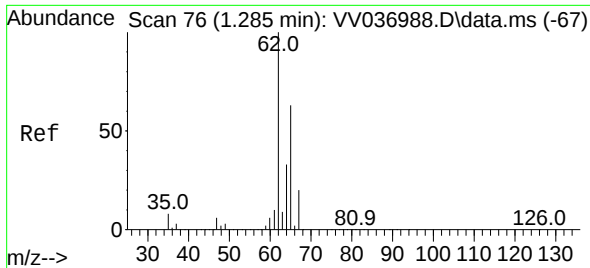
Tgt Ion: 85 Resp: 945644  
Ion Ratio Lower Upper  
85 100  
87 32.3 25.7 38.5



#3  
Chloromethane  
Concen: 90.499 ug/L  
RT: 1.220 min Scan# 56  
Delta R.T. -0.000 min  
Lab File: VV036990.D  
Acq: 21 Aug 2024 12:24

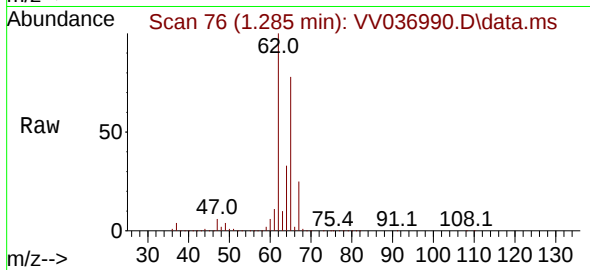
Tgt Ion: 50 Resp: 1196063  
Ion Ratio Lower Upper  
50 100  
52 32.2 22.5 41.9



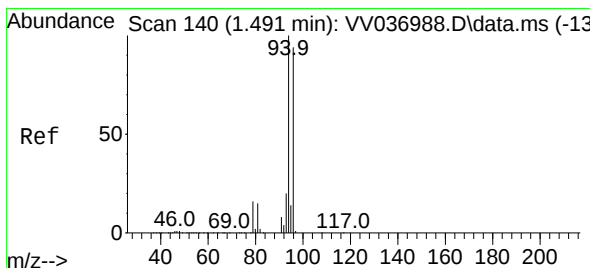
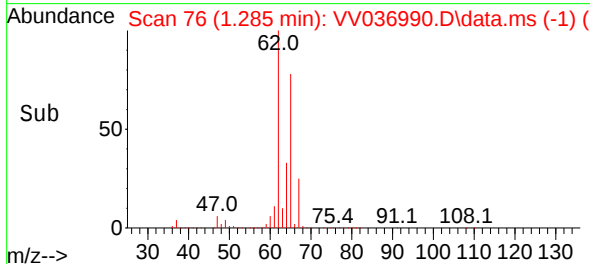
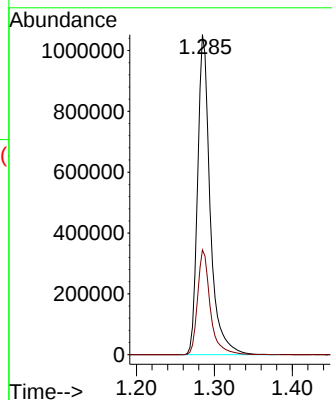


#5  
 Vinyl chloride  
 Concen: 92.001 ug/L  
 RT: 1.285 min Scan# 76  
 Delta R.T. -0.000 min  
 Lab File: VV036990.D  
 Acq: 21 Aug 2024 12:24

Instrument :  
 MSVOA\_V  
 ClientSampleId :

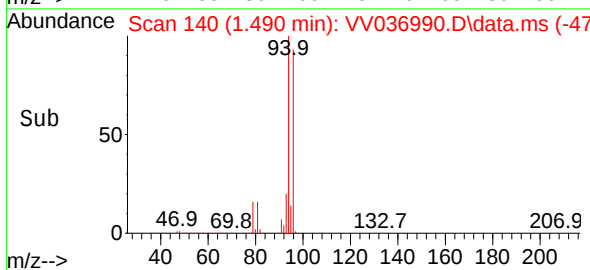
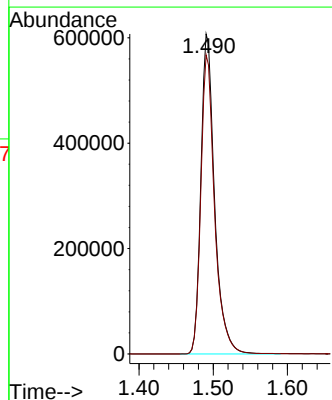
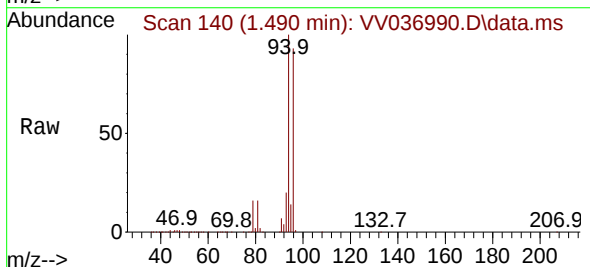


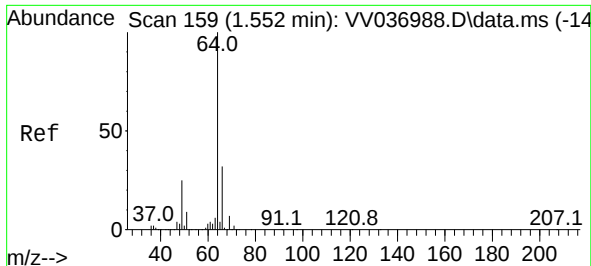
Tgt Ion: 62 Resp: 1172963  
 Ion Ratio Lower Upper  
 62 100  
 64 32.7 23.1 42.9



#6  
 Bromomethane  
 Concen: 94.315 ug/L  
 RT: 1.490 min Scan# 140  
 Delta R.T. -0.000 min  
 Lab File: VV036990.D  
 Acq: 21 Aug 2024 12:24

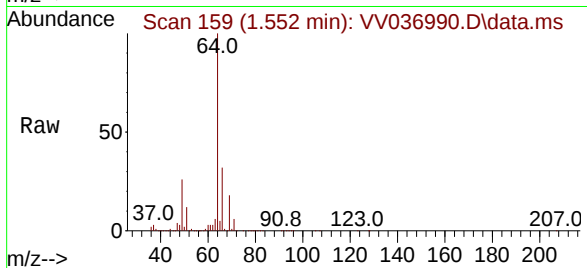
Tgt Ion: 94 Resp: 779399  
 Ion Ratio Lower Upper  
 94 100  
 96 93.4 65.9 122.3



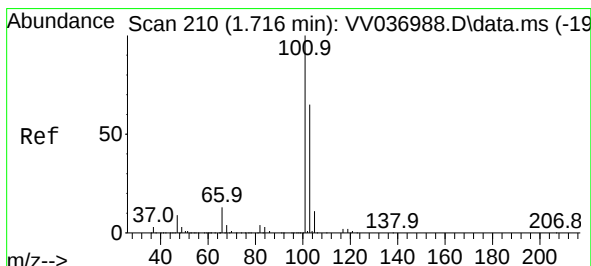
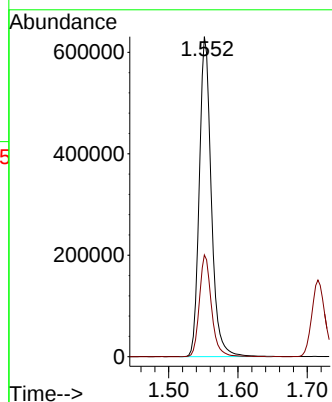
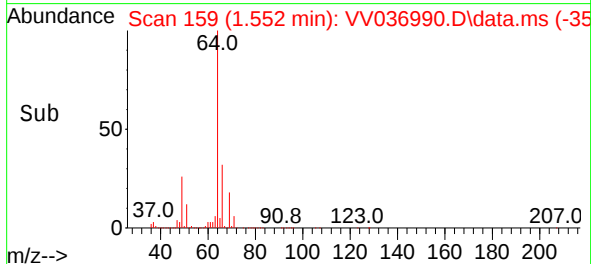


#8  
Chloroethane  
Concen: 93.781 ug/L  
RT: 1.552 min Scan# 159  
Delta R.T. -0.000 min  
Lab File: VV036990.D  
Acq: 21 Aug 2024 12:24

Instrument :  
MSVOA\_V  
ClientSampleId :

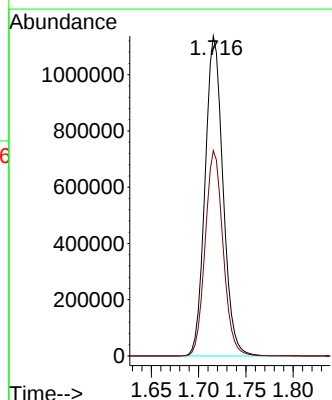
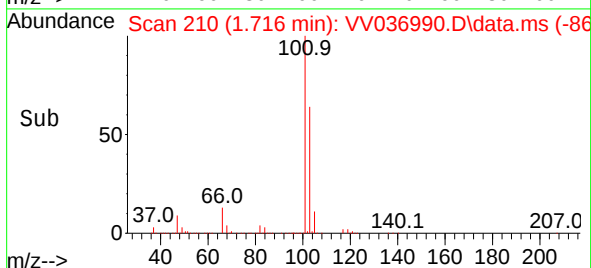
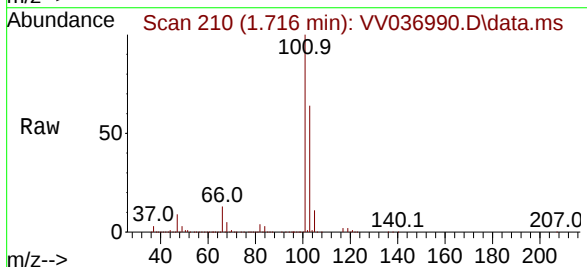


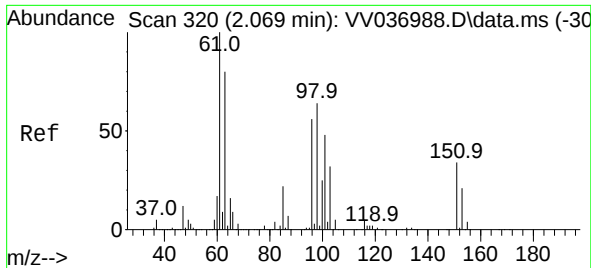
Tgt Ion: 64 Resp: 760915  
Ion Ratio Lower Upper  
64 100  
66 31.8 22.1 41.1



#9  
Trichlorofluoromethane  
Concen: 92.148 ug/L  
RT: 1.716 min Scan# 210  
Delta R.T. -0.000 min  
Lab File: VV036990.D  
Acq: 21 Aug 2024 12:24

Tgt Ion:101 Resp: 1500980  
Ion Ratio Lower Upper  
101 100  
103 64.1 51.1 76.7

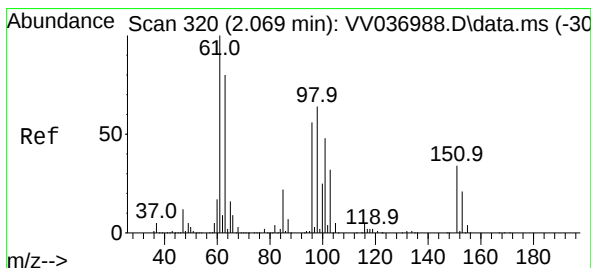
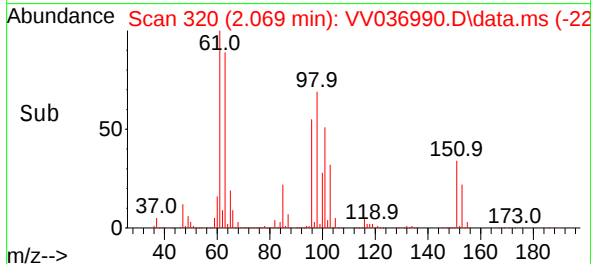
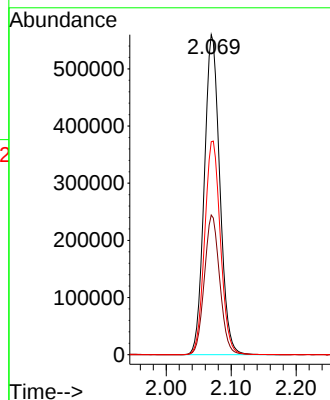
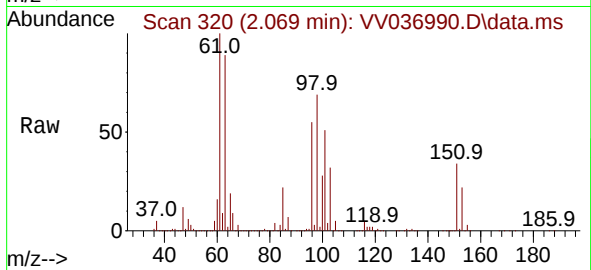




#10  
1,1,2-Trichloro-1,2,2-trifluoroethane  
Concen: 92.665 ug/L  
RT: 2.069 min Scan# 31  
Delta R.T. -0.000 min  
Lab File: VV036990.D  
Acq: 21 Aug 2024 12:24

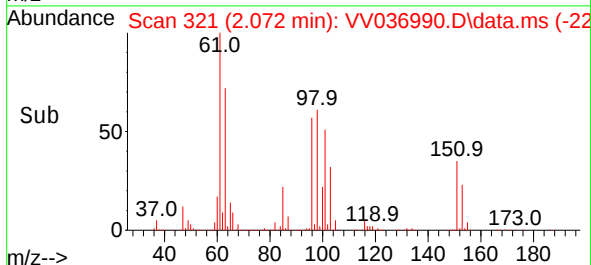
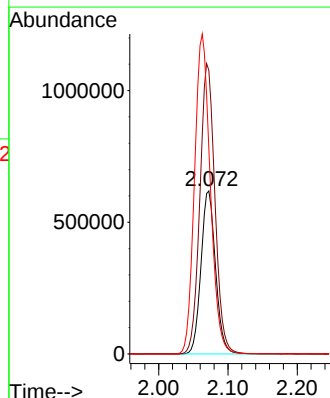
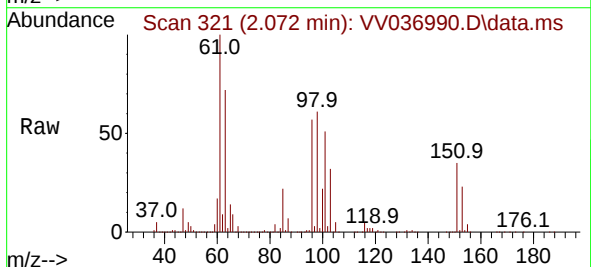
Instrument :  
MSVOA\_V  
ClientSampleId :

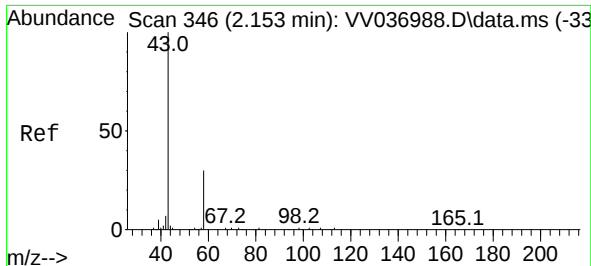
Tgt Ion:101 Resp: 931332  
Ion Ratio Lower Upper  
101 100  
85 43.2 36.2 54.2  
151 67.8 56.0 84.0



#12  
1,1-Dichloroethene  
Concen: 93.586 ug/L  
RT: 2.072 min Scan# 321  
Delta R.T. 0.003 min  
Lab File: VV036990.D  
Acq: 21 Aug 2024 12:24

Tgt Ion: 96 Resp: 902971  
Ion Ratio Lower Upper  
96 100  
61 173.9 124.9 231.9  
63 125.9 100.5 186.7





#13

Acetone

Concen: 54.303 ug/L

RT: 2.153 min Scan# 346

Delta R.T. -0.000 min

Lab File: VV036990.D

Acq: 21 Aug 2024 12:24

Instrument :

MSVOA\_V

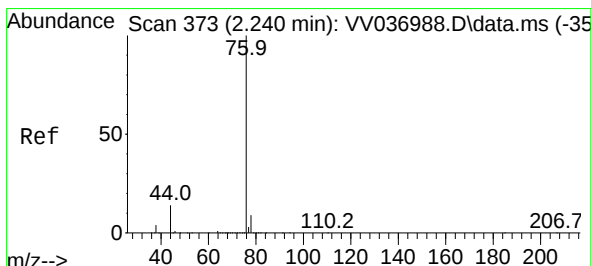
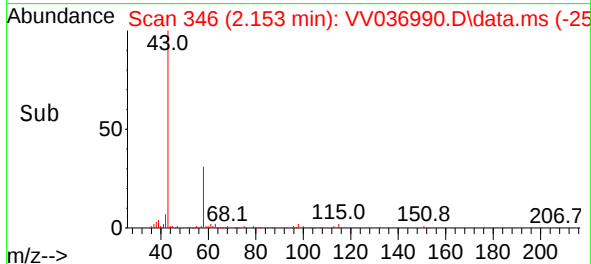
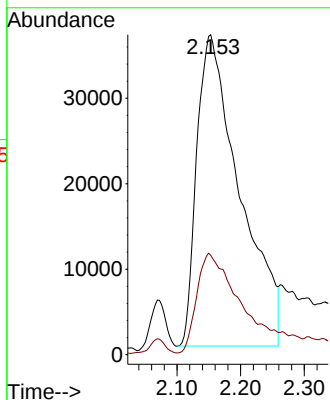
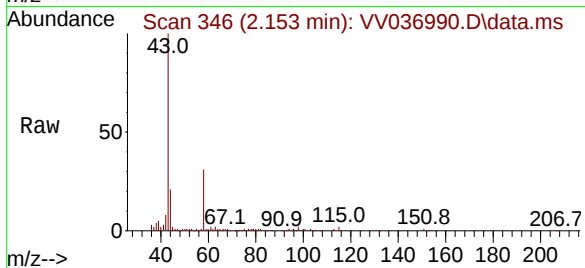
ClientSampleId :

Tgt Ion: 43 Resp: 170756

Ion Ratio Lower Upper

43 100

58 28.9 0.0 18.8#



#14

Carbon disulfide

Concen: 93.903 ug/L

RT: 2.240 min Scan# 373

Delta R.T. -0.000 min

Lab File: VV036990.D

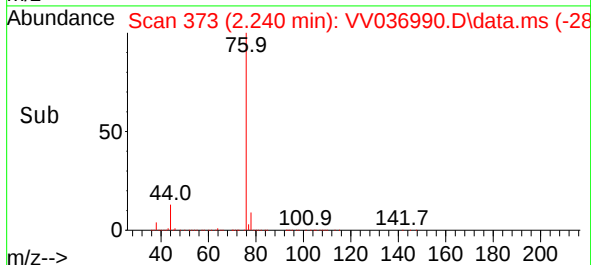
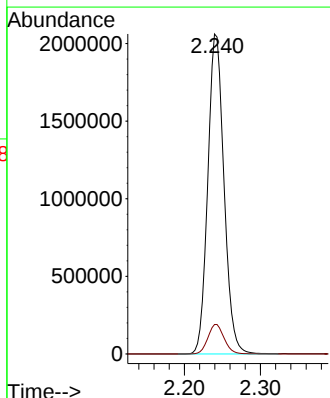
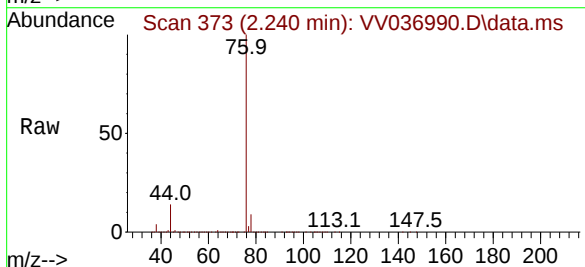
Acq: 21 Aug 2024 12:24

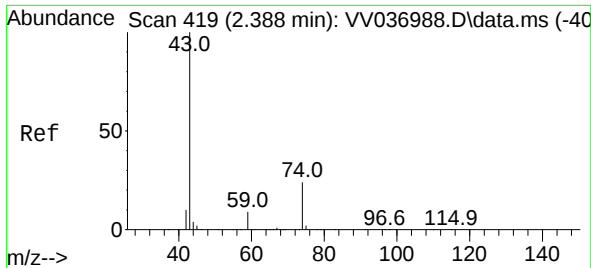
Tgt Ion: 76 Resp: 3049973

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.2

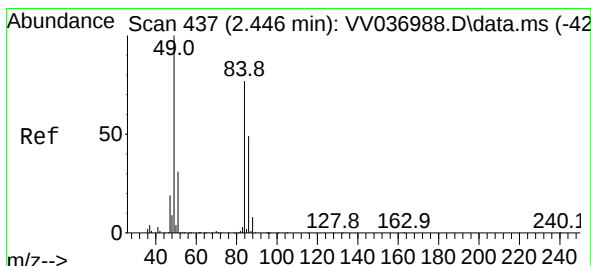
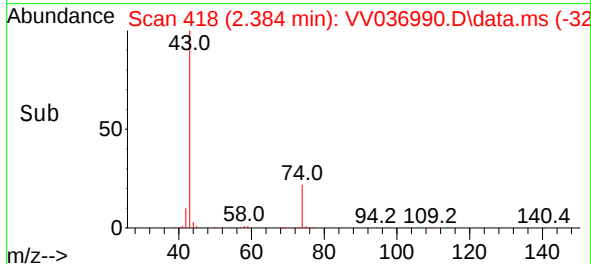
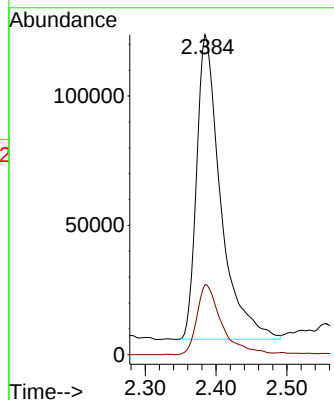
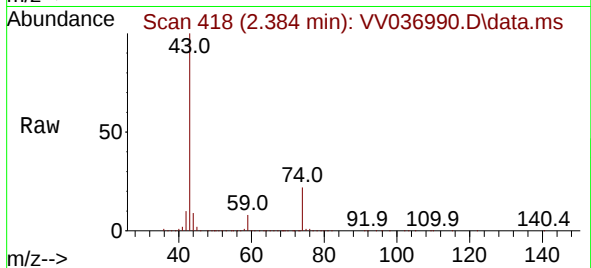




#15  
Methyl Acetate  
Concen: 78.243 ug/L  
RT: 2.384 min Scan# 419  
Delta R.T. -0.003 min  
Lab File: VV036990.D  
Acq: 21 Aug 2024 12:24

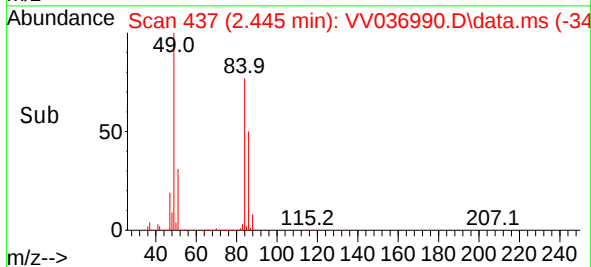
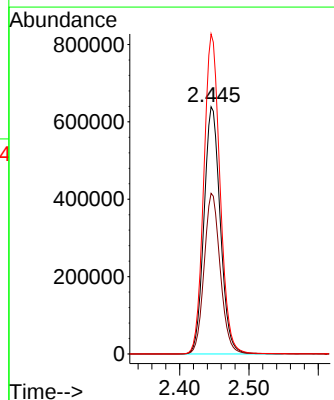
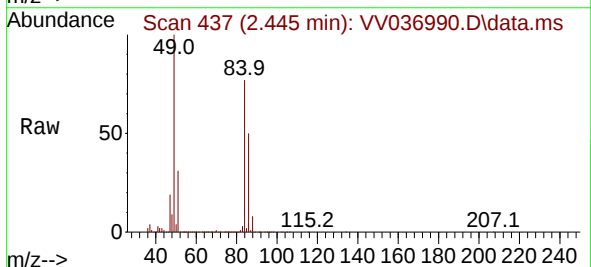
Instrument :  
MSVOA\_V  
ClientSampleId :

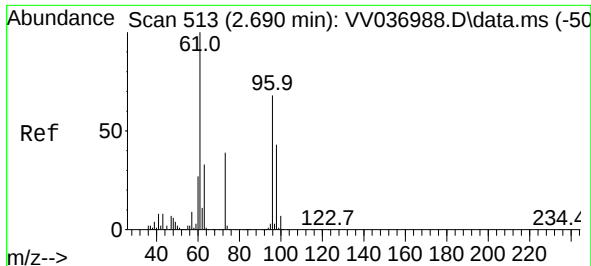
Tgt Ion: 43 Resp: 276920  
Ion Ratio Lower Upper  
43 100  
74 24.0 19.8 29.6



#16  
Methylene chloride  
Concen: 65.902 ug/L  
RT: 2.445 min Scan# 437  
Delta R.T. -0.000 min  
Lab File: VV036990.D  
Acq: 21 Aug 2024 12:24

Tgt Ion: 84 Resp: 1042394  
Ion Ratio Lower Upper  
84 100  
86 65.0 44.2 82.0  
49 129.5 91.0 169.0



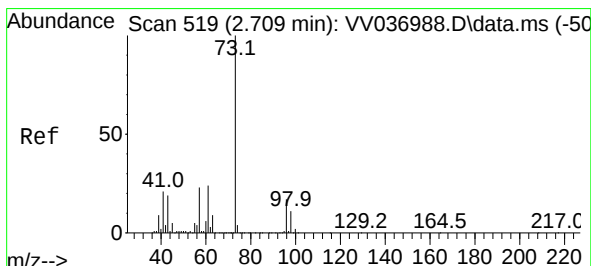
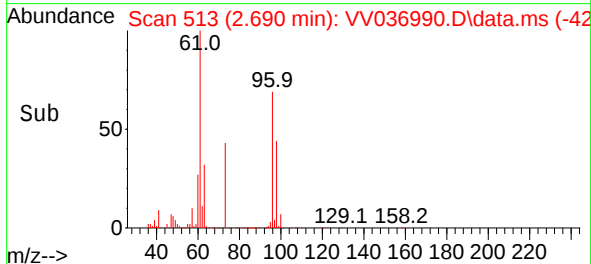
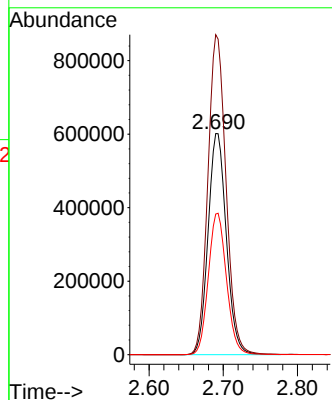
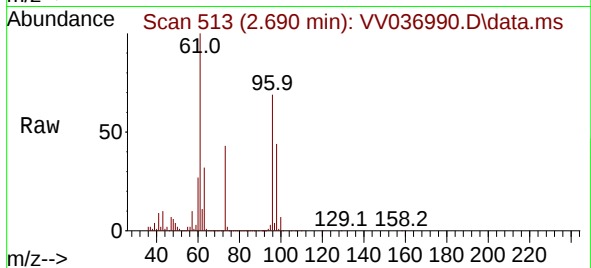


#17  
trans-1,2-Dichloroethene  
Concen: 94.851 ug/L  
RT: 2.690 min Scan# 513  
Delta R.T. -0.000 min  
Lab File: VV036990.D  
Acq: 21 Aug 2024 12:24

Instrument :  
MSVOA\_V  
ClientSampleId :

Tgt Ion: 96 Resp: 1025081

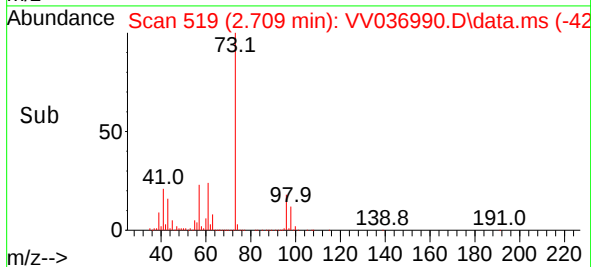
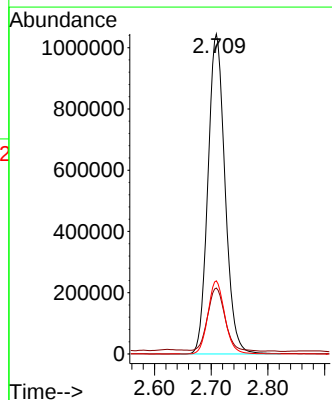
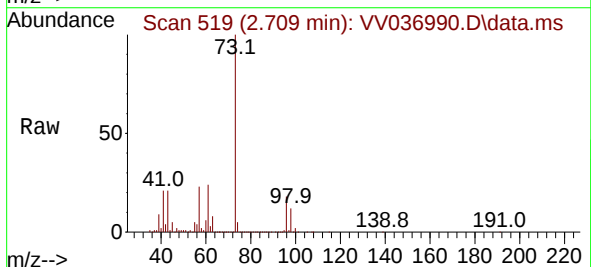
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 144.7 | 102.6 | 190.6 |
| 98  | 63.6  | 44.6  | 82.8  |

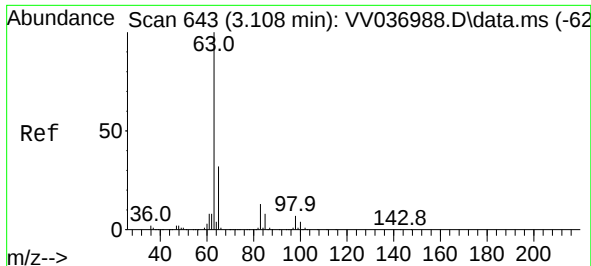


#18  
Methyl tert-butyl Ether  
Concen: 98.493 ug/L  
RT: 2.709 min Scan# 519  
Delta R.T. -0.000 min  
Lab File: VV036990.D  
Acq: 21 Aug 2024 12:24

Tgt Ion: 73 Resp: 2186641

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 73  | 100   |       |       |
| 43  | 20.2  | 15.7  | 23.5  |
| 57  | 22.5  | 17.9  | 26.9  |

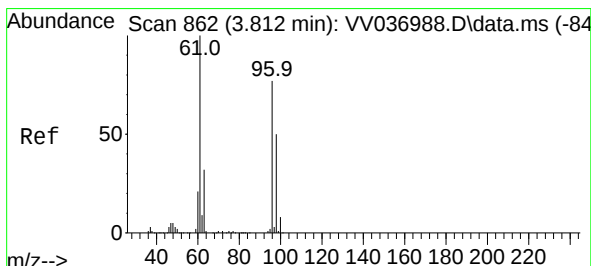
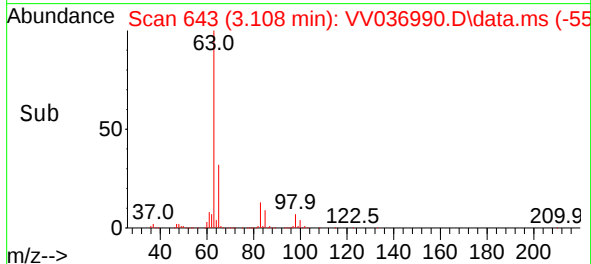
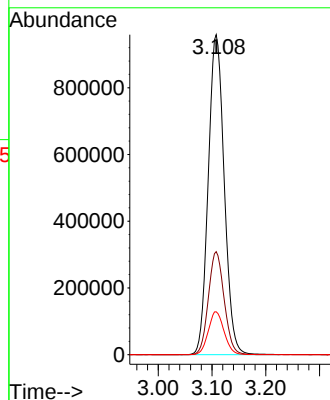
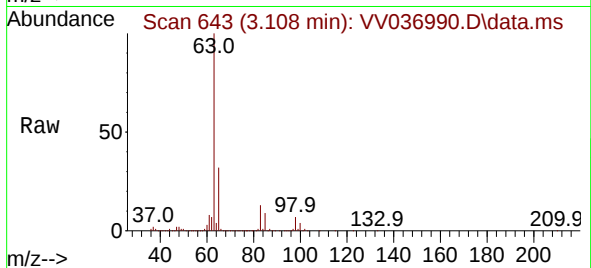




#19  
1,1-Dichloroethane  
Concen: 96.044 ug/L  
RT: 3.108 min Scan# 643  
Delta R.T. -0.000 min  
Lab File: VV036990.D  
Acq: 21 Aug 2024 12:24

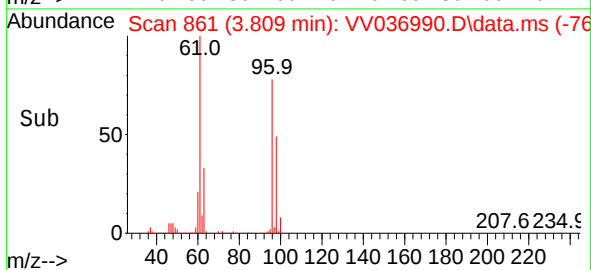
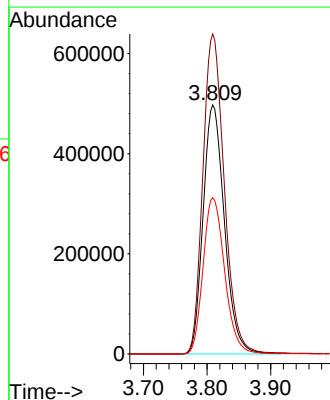
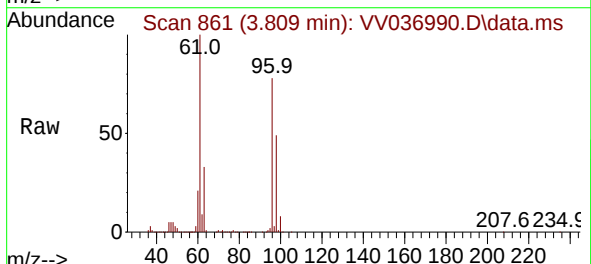
Instrument :  
MSVOA\_V  
ClientSampleId :

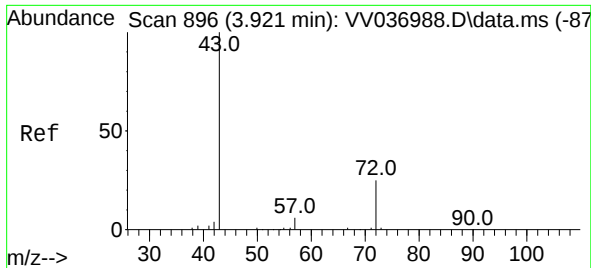
Tgt Ion: 63 Resp: 1976614  
Ion Ratio Lower Upper  
63 100  
65 32.2 22.6 42.0  
83 13.4 9.2 17.0



#20  
cis-1,2-Dichloroethene  
Concen: 99.122 ug/L  
RT: 3.809 min Scan# 861  
Delta R.T. -0.003 min  
Lab File: VV036990.D  
Acq: 21 Aug 2024 12:24

Tgt Ion: 96 Resp: 1156290  
Ion Ratio Lower Upper  
96 100  
61 128.4 91.1 169.3  
98 62.7 45.4 84.2

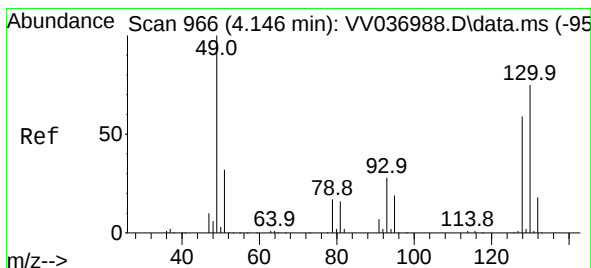
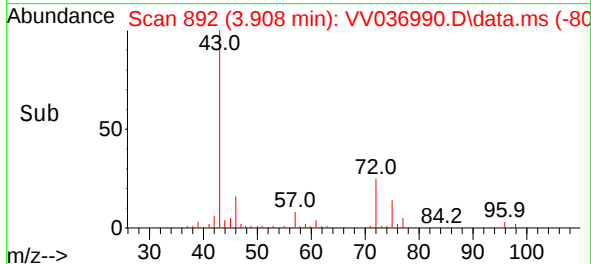
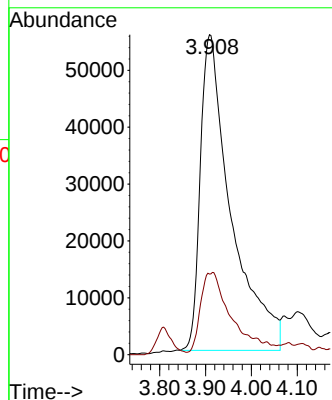
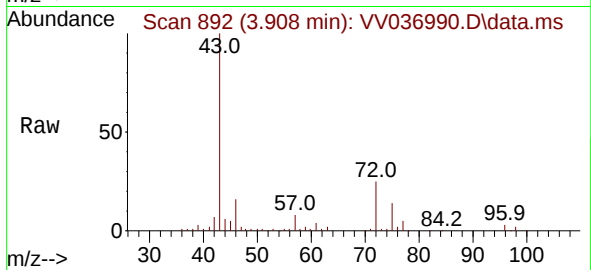




#22  
2-Butanone  
Concen: 111.593 ug/L  
RT: 3.908 min Scan# 896  
Delta R.T. -0.013 min  
Lab File: VV036990.D  
Acq: 21 Aug 2024 12:24

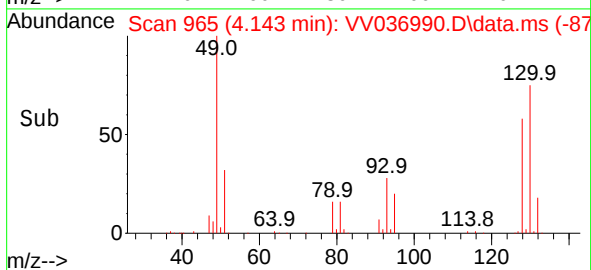
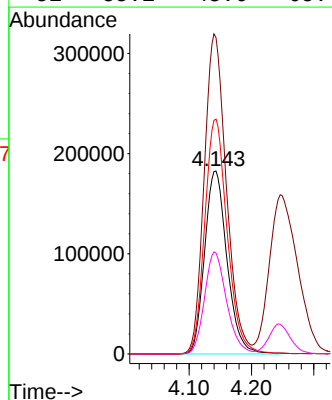
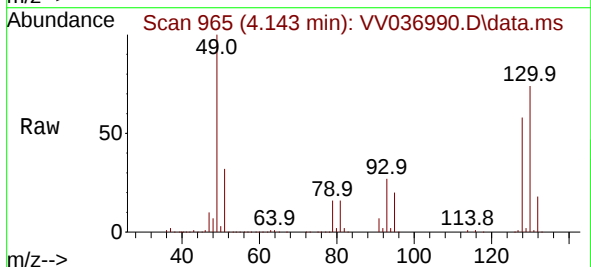
Instrument :  
MSVOA\_V  
ClientSampleId :

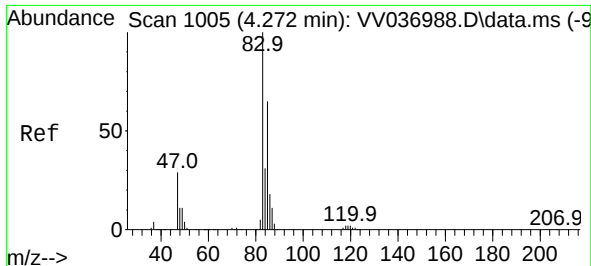
Tgt Ion: 43 Resp: 258474  
Ion Ratio Lower Upper  
43 100  
72 7.7 0.0 0.0#



#23  
Bromochloromethane  
Concen: 99.226 ug/L  
RT: 4.143 min Scan# 965  
Delta R.T. -0.003 min  
Lab File: VV036990.D  
Acq: 21 Aug 2024 12:24

Tgt Ion:128 Resp: 456103  
Ion Ratio Lower Upper  
128 100  
49 172.8 119.8 222.6  
130 128.4 89.2 165.6  
51 55.1 43.6 65.4





#25

Chloroform

Concen: 95.894 ug/L

RT: 4.272 min Scan# 1005

Delta R.T. -0.000 min

Lab File: VV036990.D

Acq: 21 Aug 2024 12:24

Instrument :

MSVOA\_V

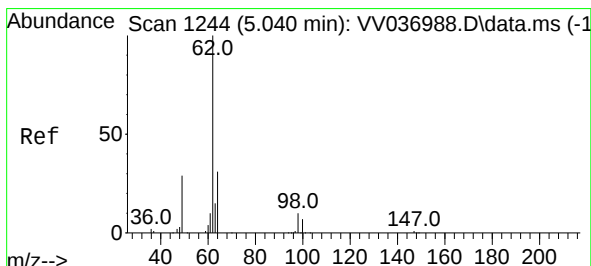
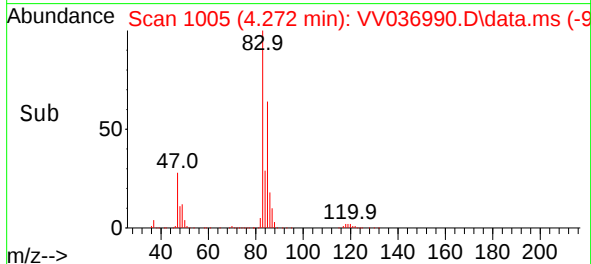
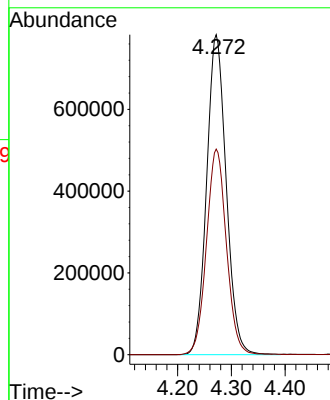
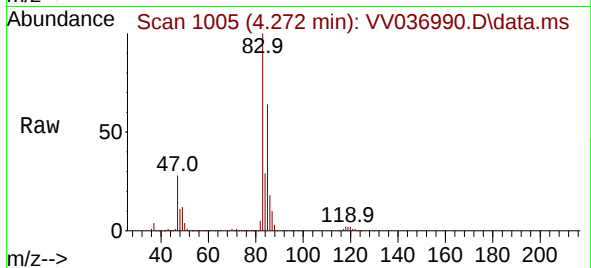
ClientSampleId :

Tgt Ion: 83 Resp: 1975605

Ion Ratio Lower Upper

83 100

85 64.2 45.8 85.2



#27

1,2-Dichloroethane

Concen: 100.488 ug/L

RT: 5.037 min Scan# 1243

Delta R.T. -0.003 min

Lab File: VV036990.D

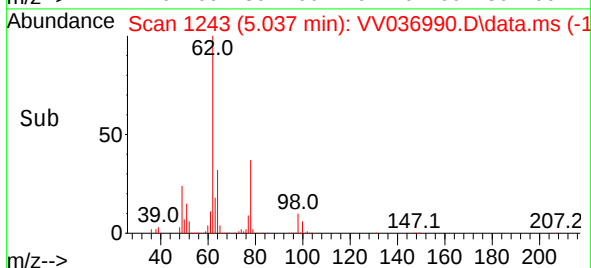
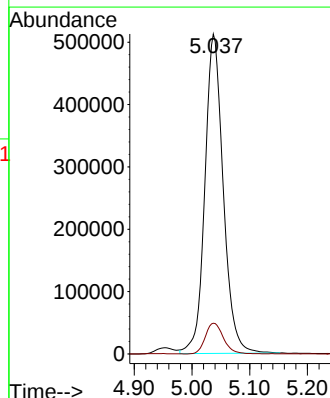
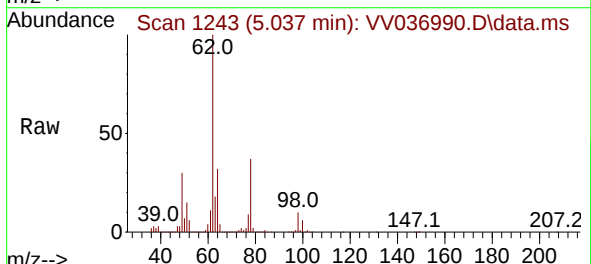
Acq: 21 Aug 2024 12:24

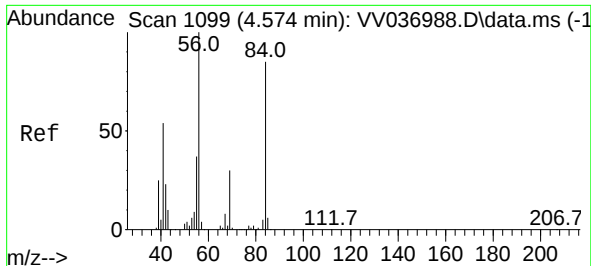
Tgt Ion: 62 Resp: 1131165

Ion Ratio Lower Upper

62 100

98 9.6 8.1 12.1





#29

Cyclohexane

Concen: 96.050 ug/L

RT: 4.574 min Scan# 1099

Delta R.T. -0.000 min

Lab File: VV036990.D

Acq: 21 Aug 2024 12:24

Instrument :

MSVOA\_V

ClientSampleId :

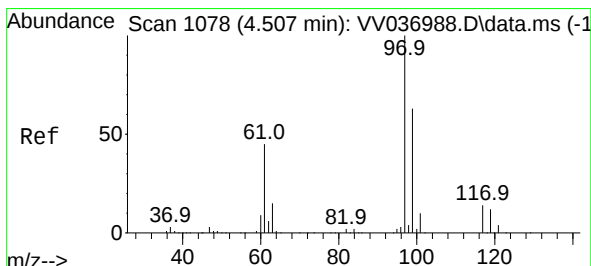
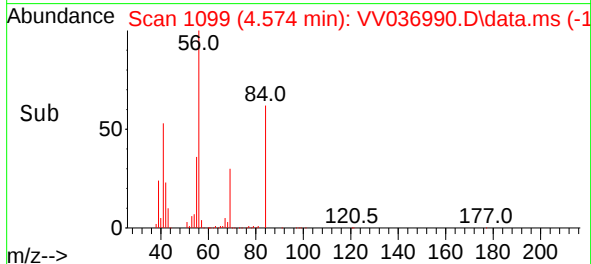
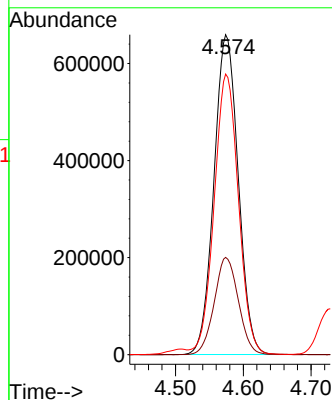
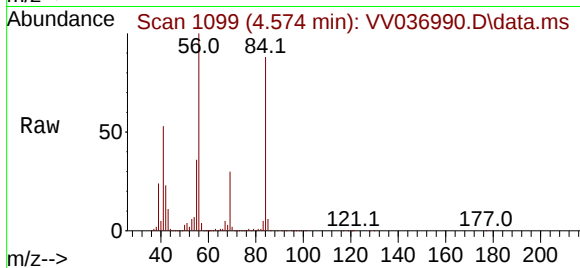
Tgt Ion: 56 Resp: 1642134

Ion Ratio Lower Upper

56 100

69 30.3 24.6 37.0

84 87.8 70.1 105.1



#30

1,1,1-Trichloroethane

Concen: 96.664 ug/L

RT: 4.506 min Scan# 1078

Delta R.T. -0.000 min

Lab File: VV036990.D

Acq: 21 Aug 2024 12:24

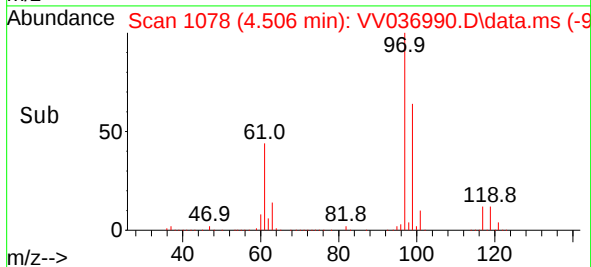
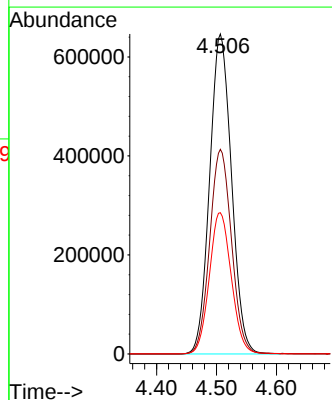
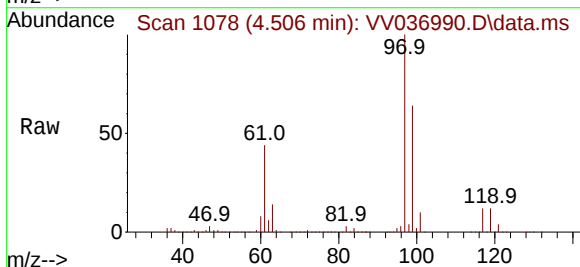
Tgt Ion: 97 Resp: 1636070

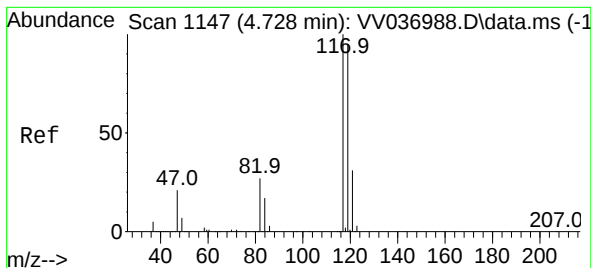
Ion Ratio Lower Upper

97 100

99 64.0 51.2 76.8

61 44.3 36.2 54.2





#31

Carbon tetrachloride

Concen: 97.707 ug/L

RT: 4.728 min Scan# 1147

Delta R.T. -0.000 min

Lab File: VV036990.D

Acq: 21 Aug 2024 12:24

Instrument :

MSVOA\_V

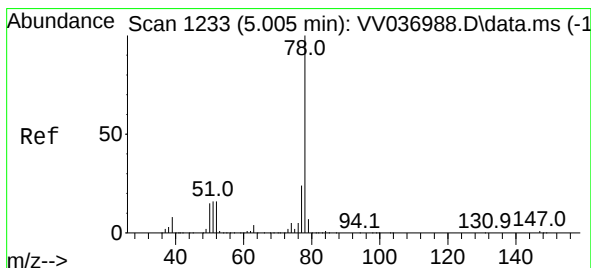
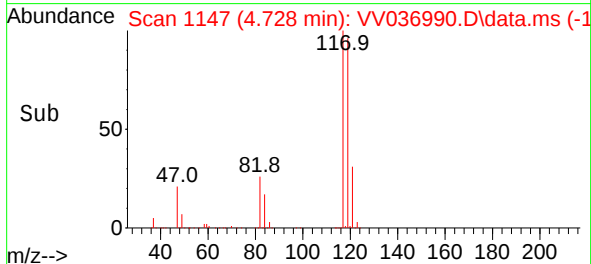
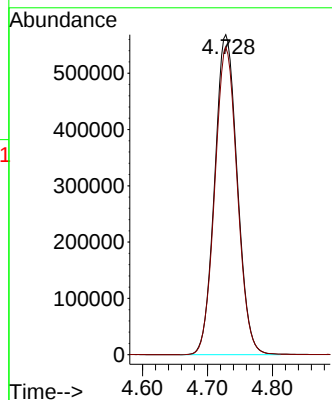
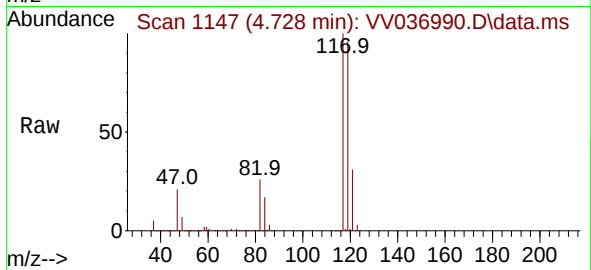
ClientSampleId :

Tgt Ion:117 Resp: 1372261

Ion Ratio Lower Upper

117 100

119 95.7 76.9 115.3



#33

Benzene

Concen: 97.118 ug/L

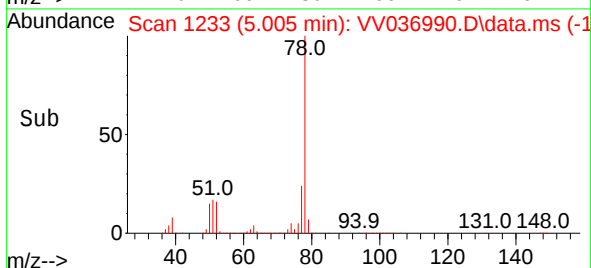
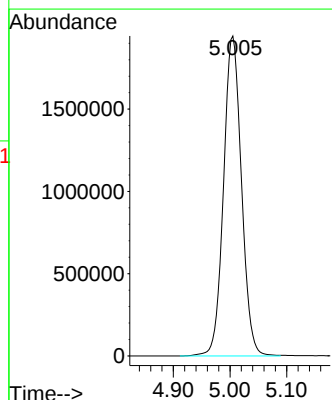
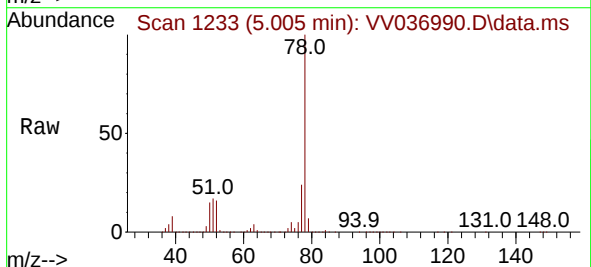
RT: 5.005 min Scan# 1233

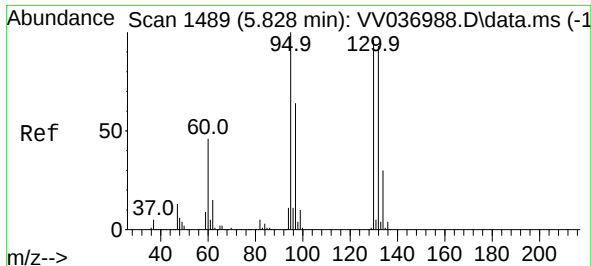
Delta R.T. -0.000 min

Lab File: VV036990.D

Acq: 21 Aug 2024 12:24

Tgt Ion: 78 Resp: 4270121





#34

Trichloroethene

Concen: 96.159 ug/L

RT: 5.825 min Scan# 1489

Delta R.T. -0.003 min

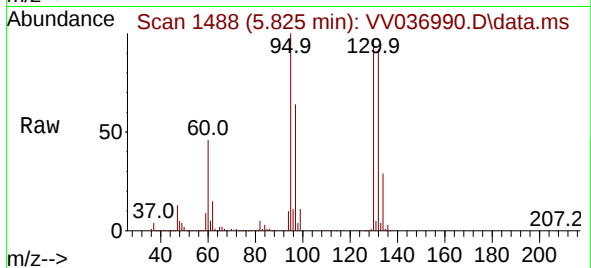
Lab File: VV036990.D

Acq: 21 Aug 2024 12:24

Instrument :

MSVOA\_V

ClientSampleId :



Tgt Ion: 95 Resp: 1200541

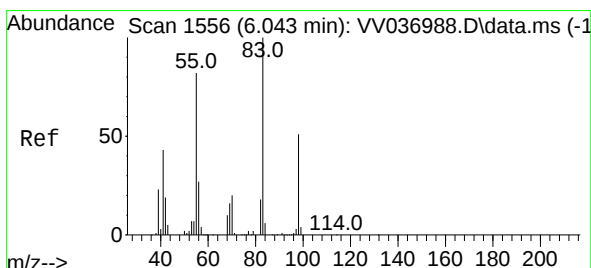
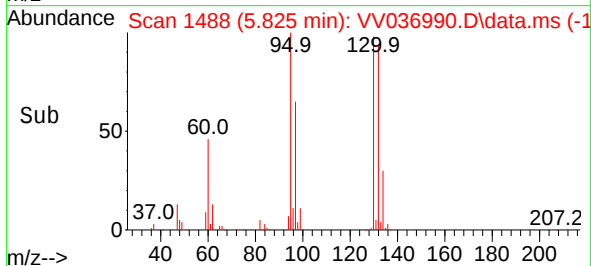
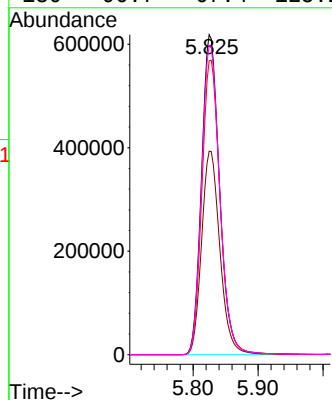
Ion Ratio Lower Upper

95 100

97 63.6 44.8 83.2

132 91.9 64.8 120.4

130 96.7 67.4 125.2



#35

Methylcyclohexane

Concen: 96.090 ug/L

RT: 6.043 min Scan# 1556

Delta R.T. -0.000 min

Lab File: VV036990.D

Acq: 21 Aug 2024 12:24

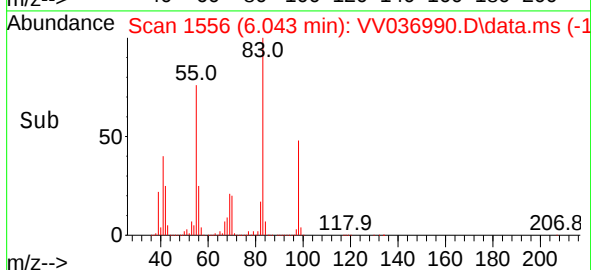
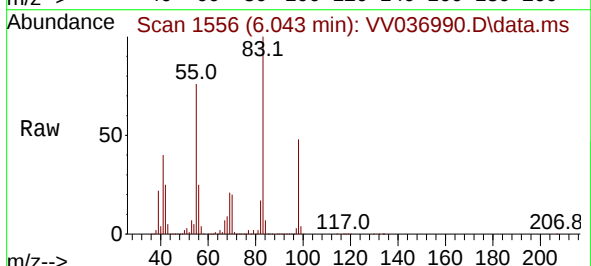
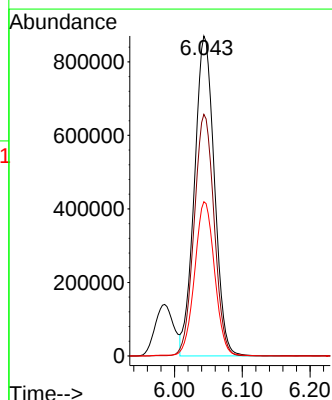
Tgt Ion: 83 Resp: 1778475

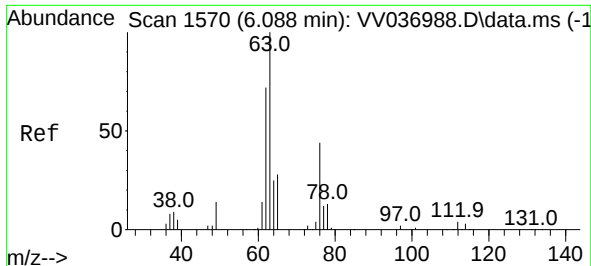
Ion Ratio Lower Upper

83 100

55 75.7 61.3 91.9

98 48.3 38.6 57.8

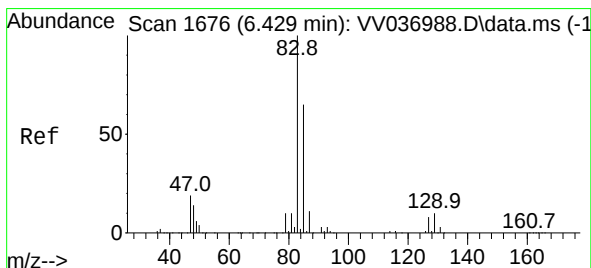
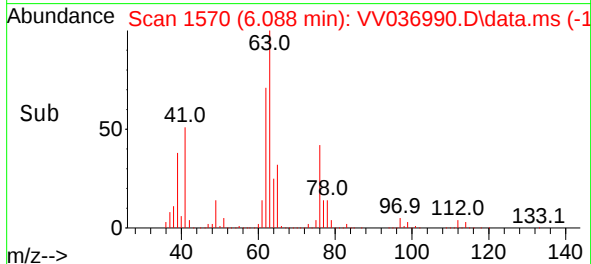
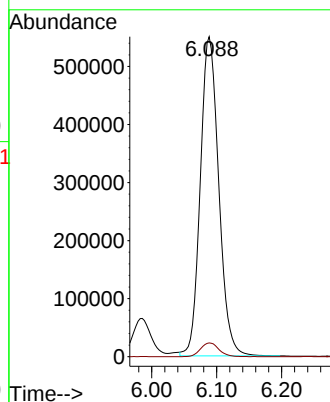
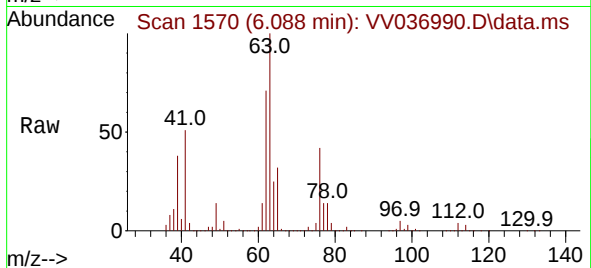




#37  
1,2-Dichloropropane  
Concen: 100.184 ug/L  
RT: 6.088 min Scan# 1570  
Delta R.T. -0.000 min  
Lab File: VV036990.D  
Acq: 21 Aug 2024 12:24

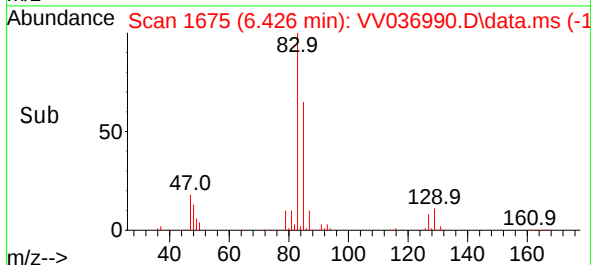
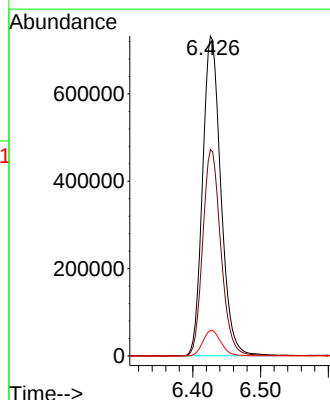
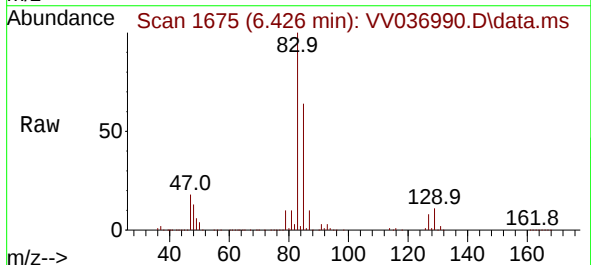
Instrument :  
MSVOA\_V  
ClientSampleId :

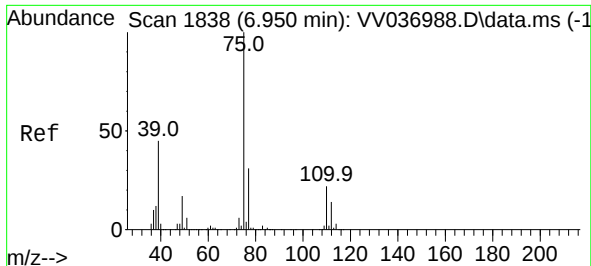
Tgt Ion: 63 Resp: 1088678  
Ion Ratio Lower Upper  
63 100  
112 4.3 0.1 0.1#



#38  
Bromodichloromethane  
Concen: 100.998 ug/L  
RT: 6.426 min Scan# 1675  
Delta R.T. -0.003 min  
Lab File: VV036990.D  
Acq: 21 Aug 2024 12:24

Tgt Ion: 83 Resp: 1370547  
Ion Ratio Lower Upper  
83 100  
85 64.5 45.6 84.6  
127 8.0 6.6 9.8

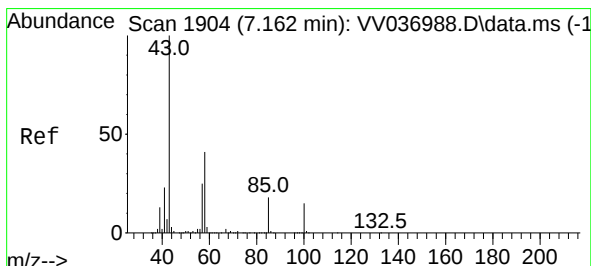
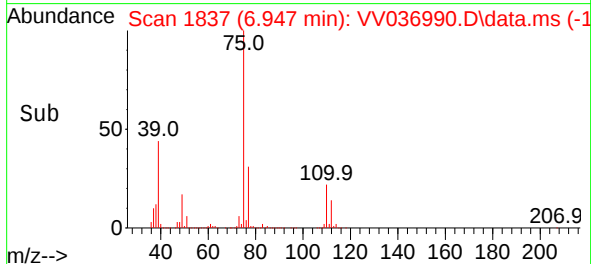
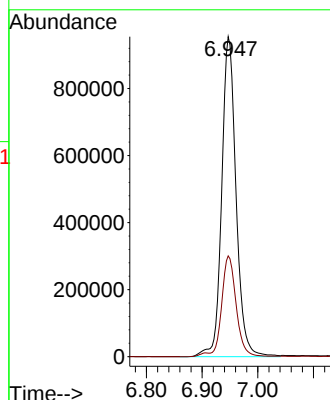
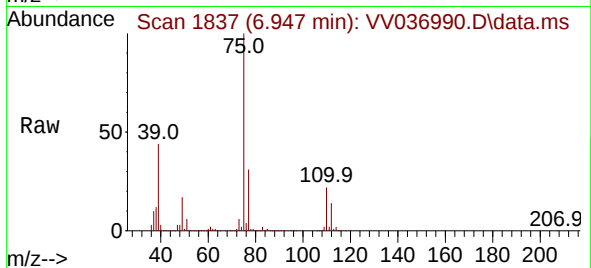




#39  
cis-1,3-Dichloropropene  
Concen: 105.147 ug/L  
RT: 6.947 min Scan# 1837  
Delta R.T. -0.003 min  
Lab File: VV036990.D  
Acq: 21 Aug 2024 12:24

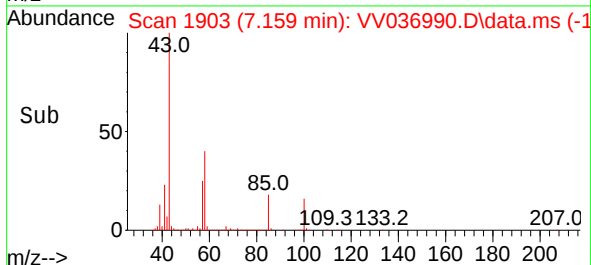
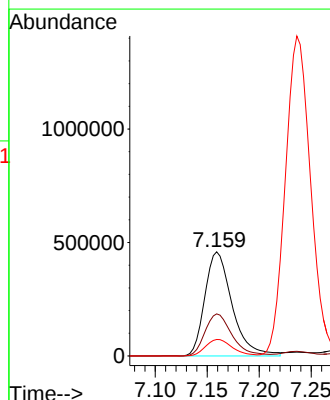
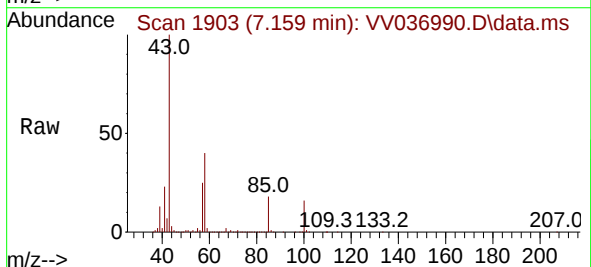
Instrument :  
MSVOA\_V  
ClientSampleId :

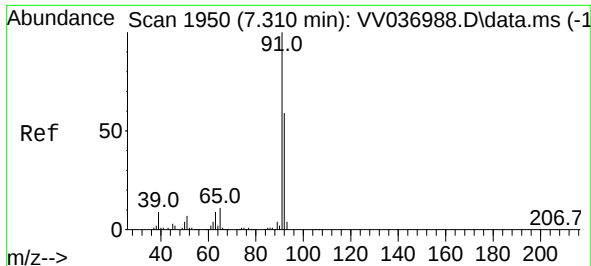
Tgt Ion: 75 Resp: 1710078  
Ion Ratio Lower Upper  
75 100  
77 31.5 21.8 40.4



#40  
4-Methyl-2-pentanone  
Concen: 186.101 ug/L  
RT: 7.159 min Scan# 1903  
Delta R.T. -0.003 min  
Lab File: VV036990.D  
Acq: 21 Aug 2024 12:24

Tgt Ion: 43 Resp: 835683  
Ion Ratio Lower Upper  
43 100  
58 40.2 31.5 47.3  
100 15.6 12.4 18.6





#42

Toluene

Concen: 98.133 ug/L

RT: 7.310 min Scan# 1950

Delta R.T. -0.000 min

Lab File: VV036990.D

Acq: 21 Aug 2024 12:24

Instrument :

MSVOA\_V

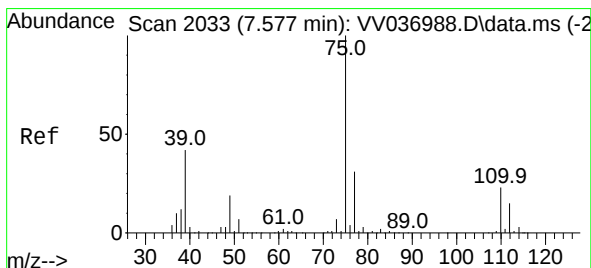
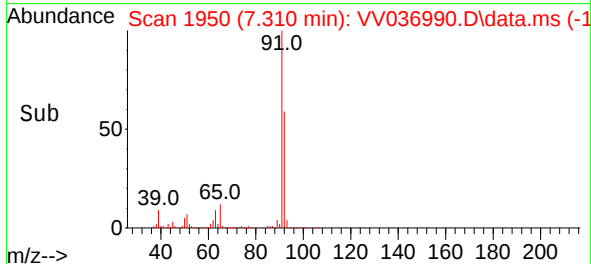
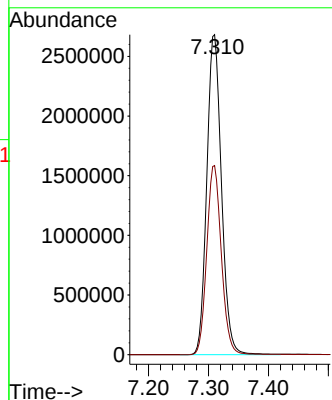
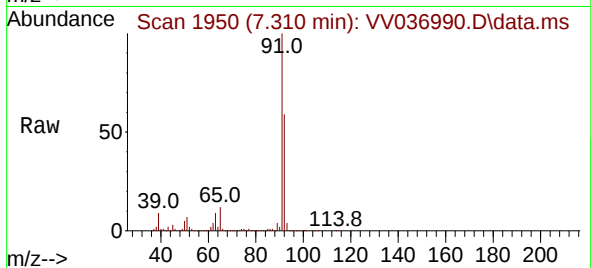
ClientSampleId :

Tgt Ion: 91 Resp: 4565485

Ion Ratio Lower Upper

91 100

92 59.1 41.3 76.7



#44

trans-1,3-Dichloropropene

Concen: 106.539 ug/L

RT: 7.574 min Scan# 2032

Delta R.T. -0.003 min

Lab File: VV036990.D

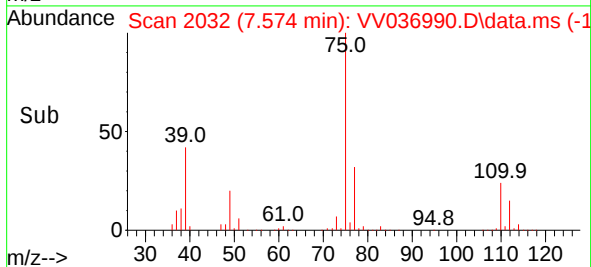
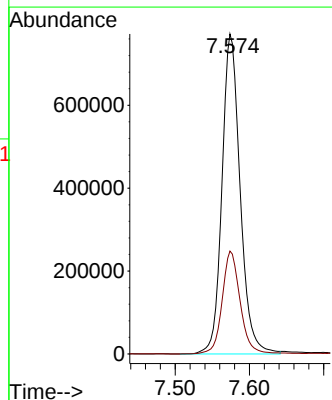
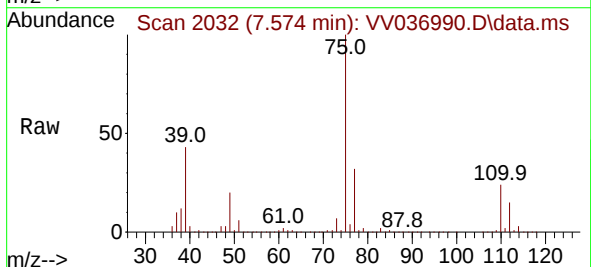
Acq: 21 Aug 2024 12:24

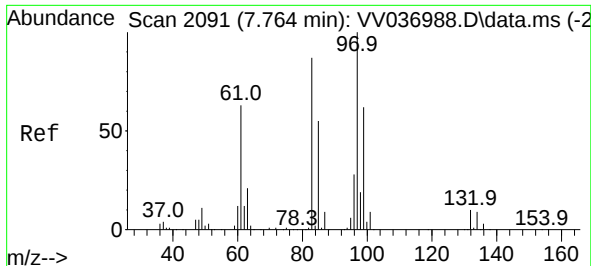
Tgt Ion: 75 Resp: 1313875

Ion Ratio Lower Upper

75 100

77 32.1 21.6 40.0

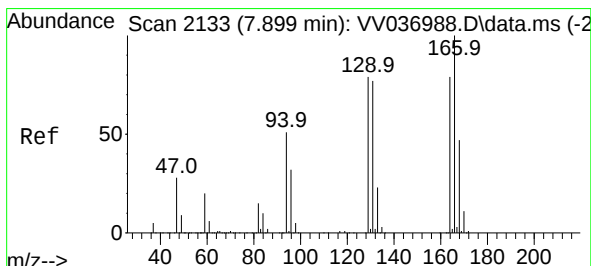
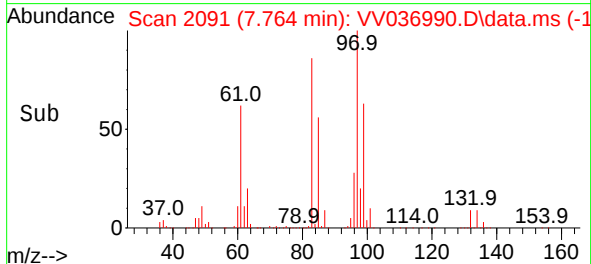
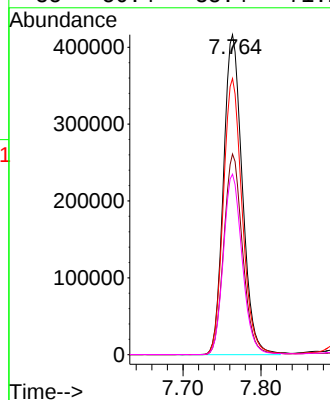
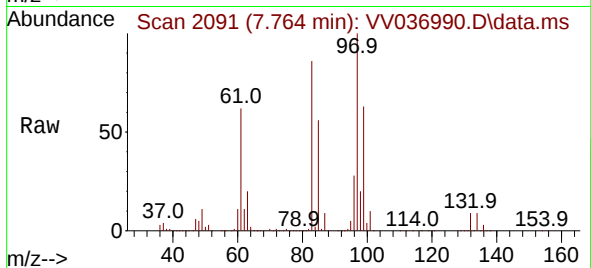




#45  
1,1,2-Trichloroethane  
Concen: 99.363 ug/L  
RT: 7.764 min Scan# 2091  
Delta R.T. -0.000 min  
Lab File: VV036990.D  
Acq: 21 Aug 2024 12:24

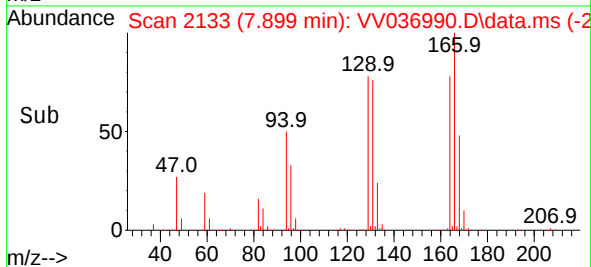
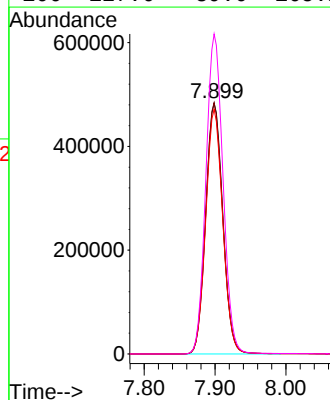
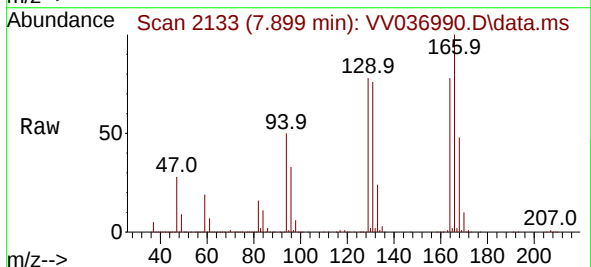
Instrument :  
MSVOA\_V  
ClientSampleId :

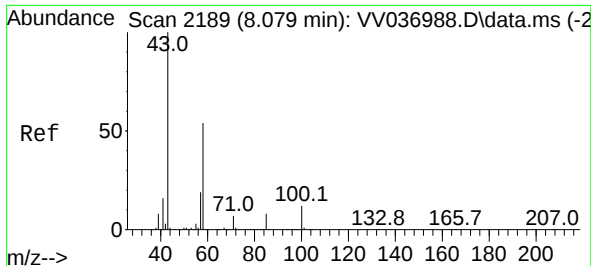
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 97    | Resp: | 699096 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 99       | 62.7  | 43.6  | 81.0   |
| 83       | 86.3  | 61.1  | 113.5  |
| 85       | 56.4  | 38.4  | 71.2   |



#46  
Tetrachloroethene  
Concen: 93.321 ug/L  
RT: 7.899 min Scan# 2133  
Delta R.T. -0.000 min  
Lab File: VV036990.D  
Acq: 21 Aug 2024 12:24

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 164   | Resp: | 813650 |
| Ion      | Ratio | Lower | Upper  |
| 164      | 100   |       |        |
| 129      | 100.2 | 70.8  | 131.4  |
| 131      | 97.6  | 68.1  | 126.5  |
| 166      | 127.6 | 89.0  | 165.2  |





#48

2-Hexanone

Concen: 166.472 ug/L

RT: 8.075 min Scan# 2189

Delta R.T. -0.003 min

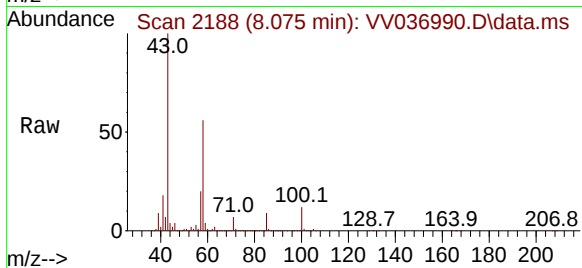
Lab File: VV036990.D

Acq: 21 Aug 2024 12:24

Instrument :

MSVOA\_V

ClientSampleId :



Tgt Ion: 43 Resp: 563444

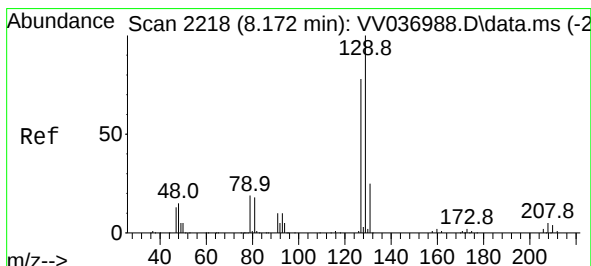
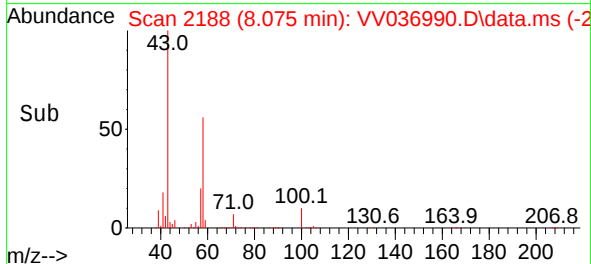
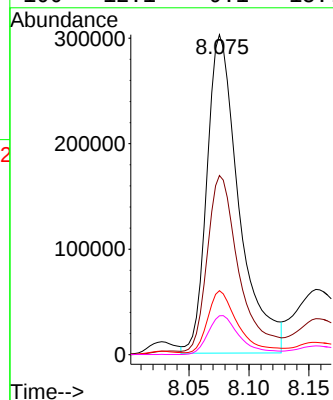
Ion Ratio Lower Upper

43 100

58 55.6 45.0 67.6

57 19.4 13.3 19.9

100 12.1 9.1 13.7



#49

Dibromochloromethane

Concen: 104.442 ug/L

RT: 8.172 min Scan# 2218

Delta R.T. -0.000 min

Lab File: VV036990.D

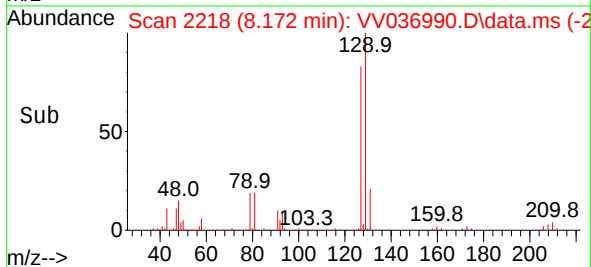
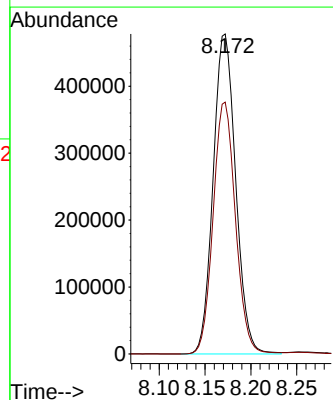
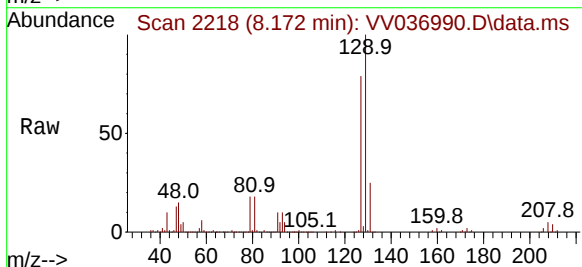
Acq: 21 Aug 2024 12:24

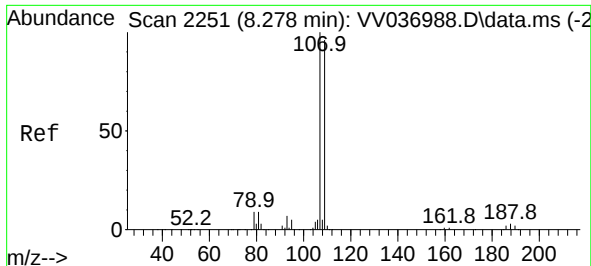
Tgt Ion:129 Resp: 816857

Ion Ratio Lower Upper

129 100

127 78.7 54.9 101.9





#50

1,2-Dibromoethane

Concen: 100.609 ug/L

RT: 8.275 min Scan# 21

Delta R.T. -0.003 min

Lab File: VV036990.D

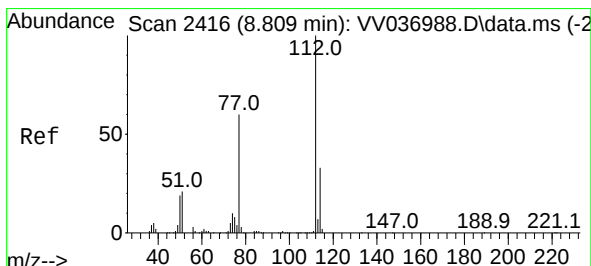
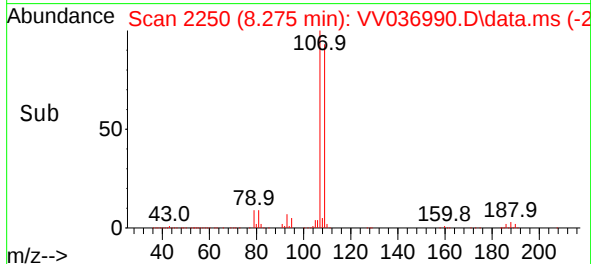
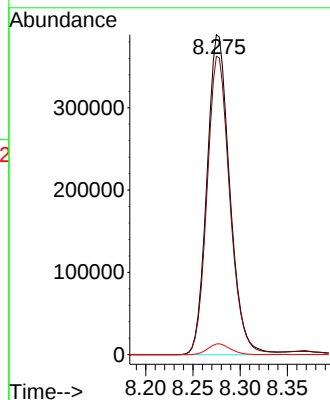
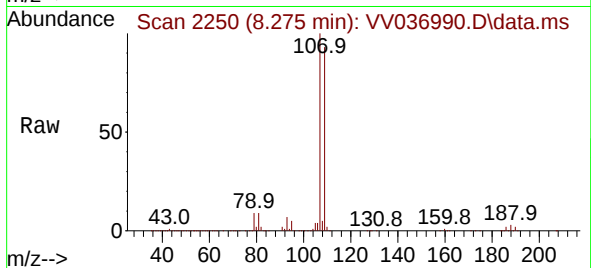
Acq: 21 Aug 2024 12:24

Instrument :

MSVOA\_V

ClientSampleId :

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 107   | Resp: | 653967 |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 109      | 93.2  | 67.1  | 124.7  |
| 188      | 3.3   | 2.5   | 3.7    |



#51

Chlorobenzene

Concen: 98.177 ug/L

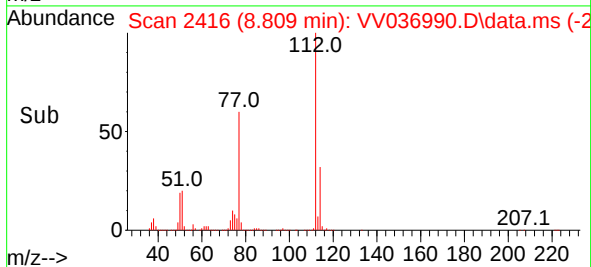
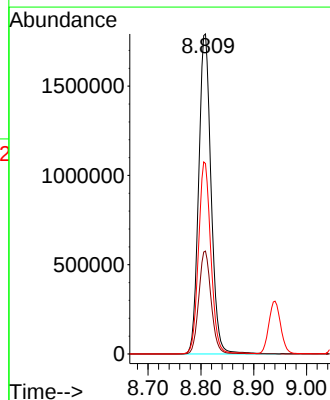
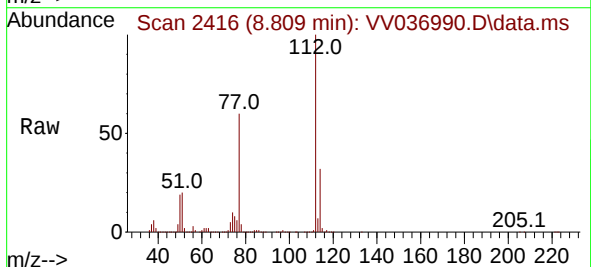
RT: 8.809 min Scan# 2416

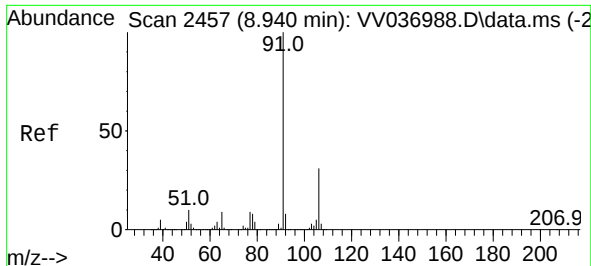
Delta R.T. -0.000 min

Lab File: VV036990.D

Acq: 21 Aug 2024 12:24

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 112   | Resp: | 2916243 |
| Ion      | Ratio | Lower | Upper   |
| 112      | 100   |       |         |
| 114      | 32.2  | 22.8  | 42.4    |
| 77       | 59.5  | 47.8  | 71.8    |





#52

Ethylbenzene

Concen: 99.205 ug/L

RT: 8.940 min Scan# 2457

Delta R.T. -0.000 min

Lab File: VV036990.D

Acq: 21 Aug 2024 12:24

Instrument :

MSVOA\_V

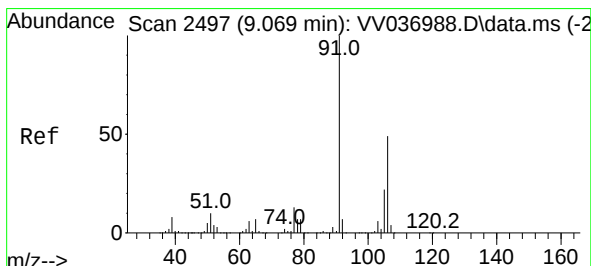
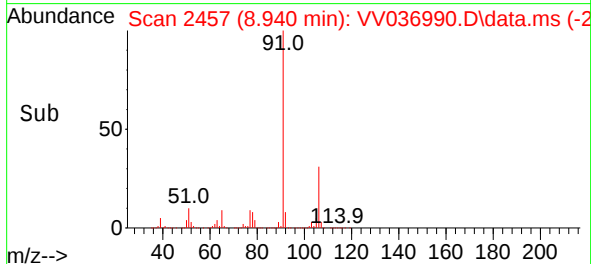
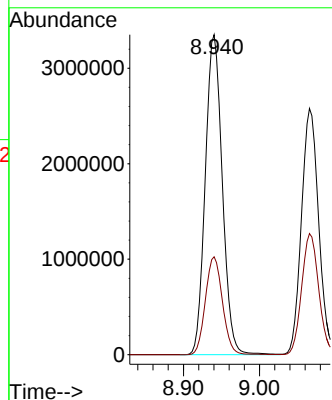
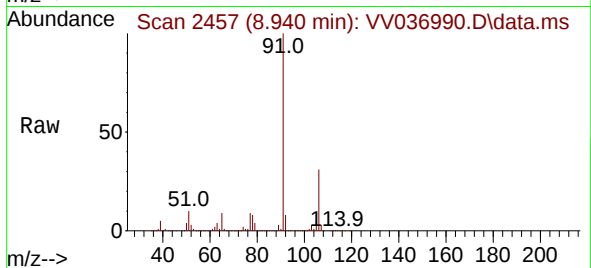
ClientSampleId :

Tgt Ion: 91 Resp: 5213493

Ion Ratio Lower Upper

91 100

106 30.6 21.3 39.6



#53

m,p-Xylene

Concen: 102.008 ug/L

RT: 9.066 min Scan# 2496

Delta R.T. -0.003 min

Lab File: VV036990.D

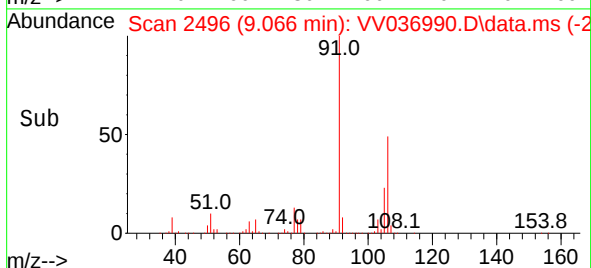
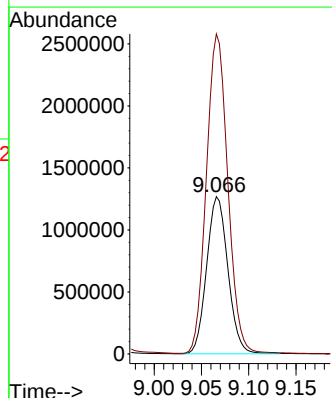
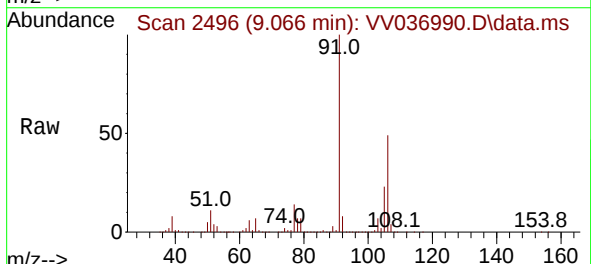
Acq: 21 Aug 2024 12:24

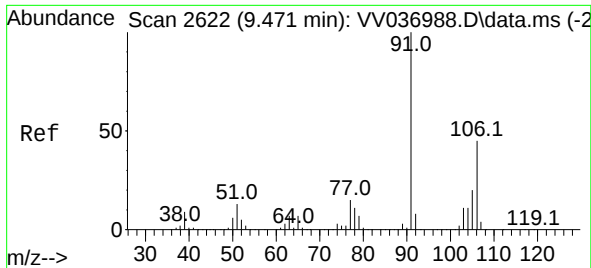
Tgt Ion:106 Resp: 1982671

Ion Ratio Lower Upper

106 100

91 203.4 142.5 264.6

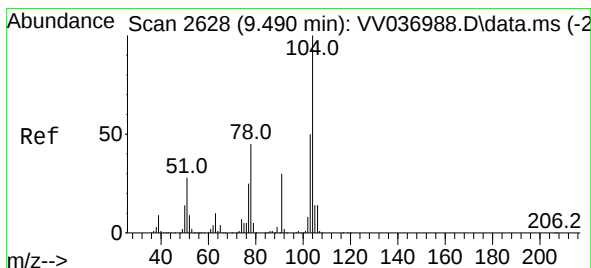
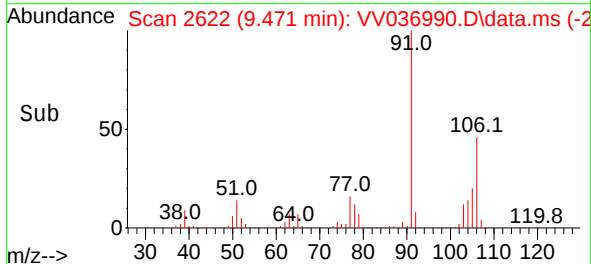
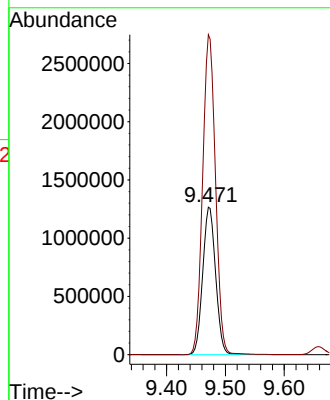
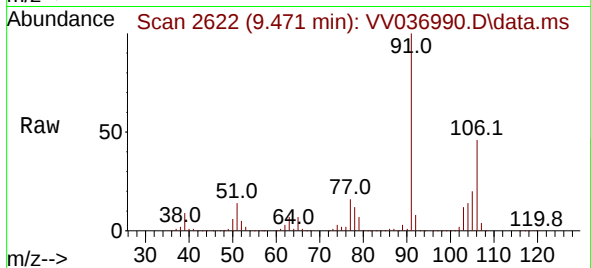




#54  
o-Xylene  
Concen: 102.876 ug/L  
RT: 9.471 min Scan# 2622  
Delta R.T. -0.000 min  
Lab File: VV036990.D  
Acq: 21 Aug 2024 12:24

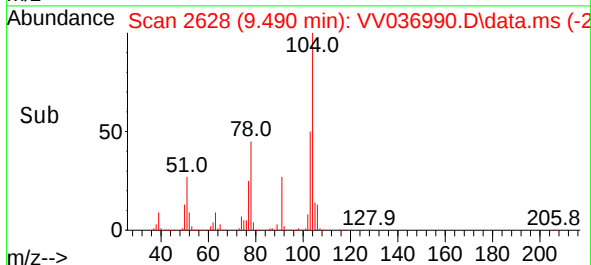
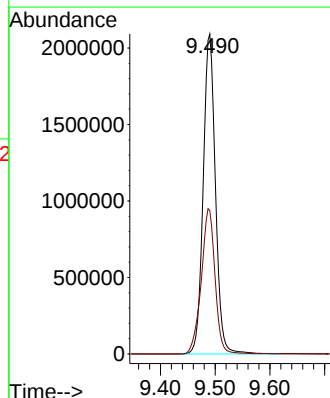
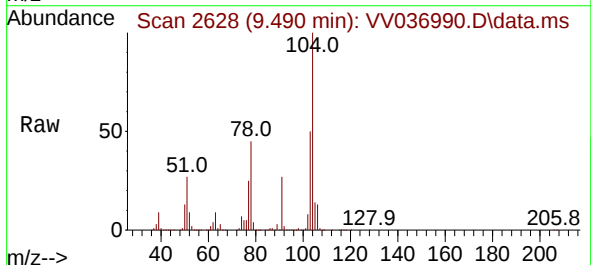
Instrument :  
MSVOA\_V  
ClientSampleId :

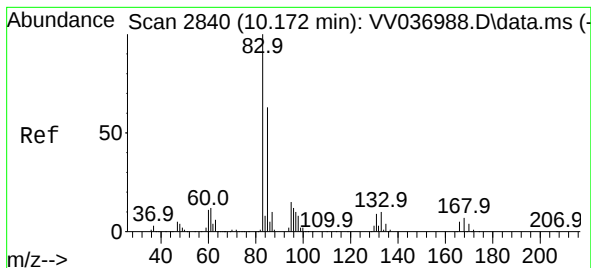
Tgt Ion:106 Resp: 1925735  
Ion Ratio Lower Upper  
106 100  
91 216.9 154.2 286.4



#55  
Styrene  
Concen: 104.166 ug/L  
RT: 9.490 min Scan# 2628  
Delta R.T. -0.000 min  
Lab File: VV036990.D  
Acq: 21 Aug 2024 12:24

Tgt Ion:104 Resp: 3255289  
Ion Ratio Lower Upper  
104 100  
78 44.8 31.2 58.0





#57

1,1,2,2-Tetrachloroethane

Concen: 101.634 ug/L

RT: 10.172 min Scan# 2840

Delta R.T. -0.000 min

Lab File: VV036990.D

Acq: 21 Aug 2024 12:24

Instrument :

MSVOA\_V

ClientSampleId :

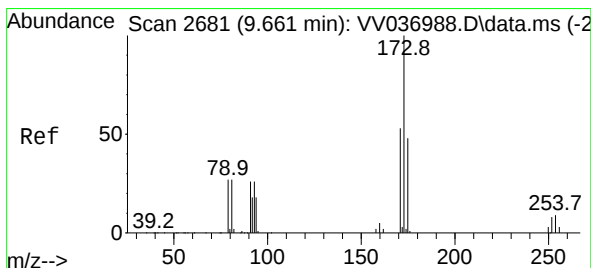
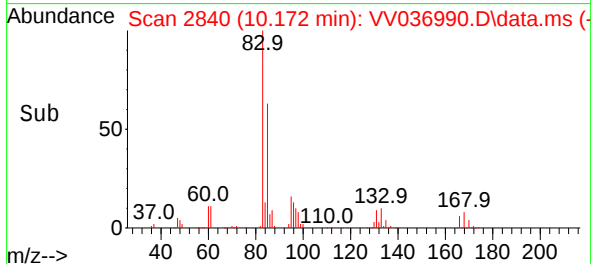
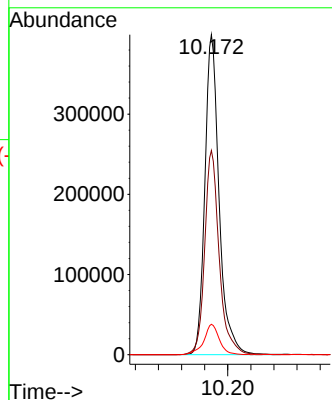
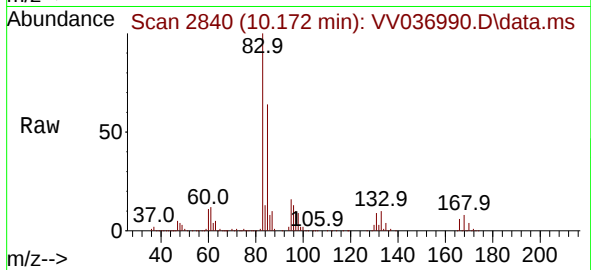
Tgt Ion: 83 Resp: 682516

Ion Ratio Lower Upper

83 100

85 63.8 44.3 82.3

131 9.5 7.2 10.8



#59

Bromoform

Concen: 108.715 ug/L

RT: 9.657 min Scan# 2680

Delta R.T. -0.003 min

Lab File: VV036990.D

Acq: 21 Aug 2024 12:24

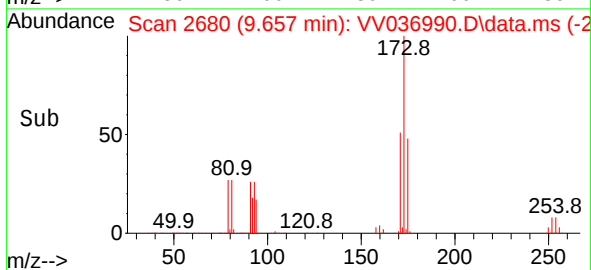
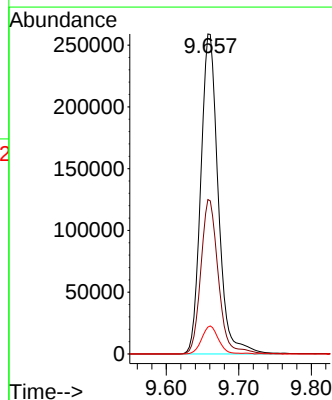
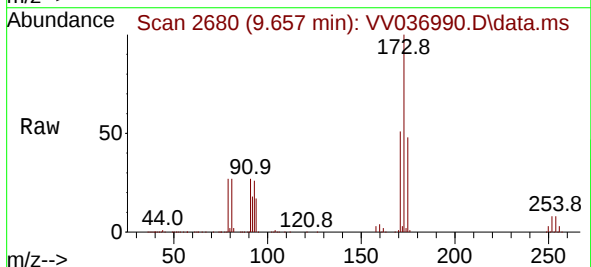
Tgt Ion: 173 Resp: 431831

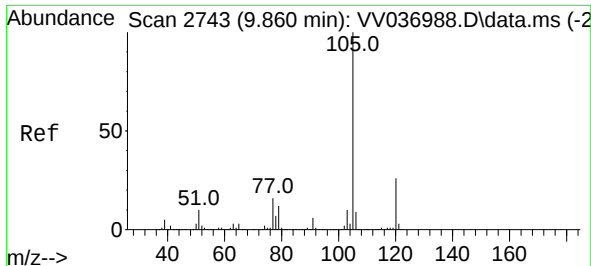
Ion Ratio Lower Upper

173 100

175 48.5 39.4 59.0

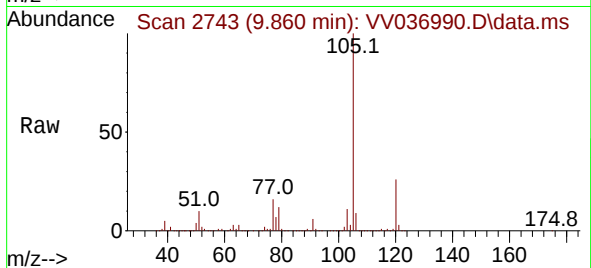
254 8.4 6.6 10.0



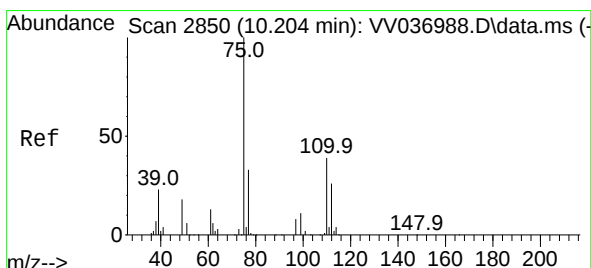
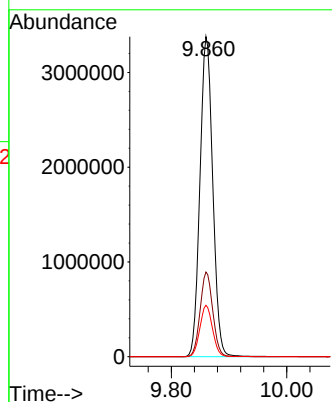
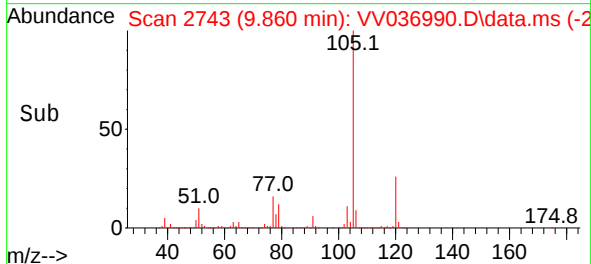


#60  
Isopropylbenzene  
Concen: 99.565 ug/L  
RT: 9.860 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VV036990.D  
Acq: 21 Aug 2024 12:24

Instrument :  
MSVOA\_V  
ClientSampleId :

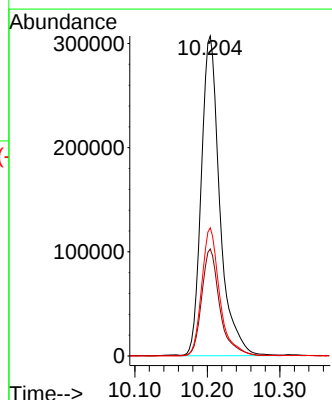
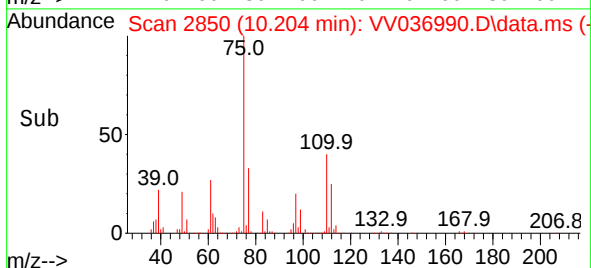
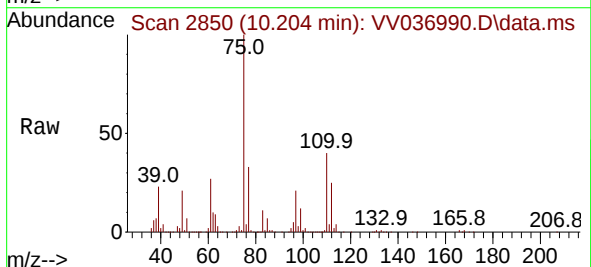


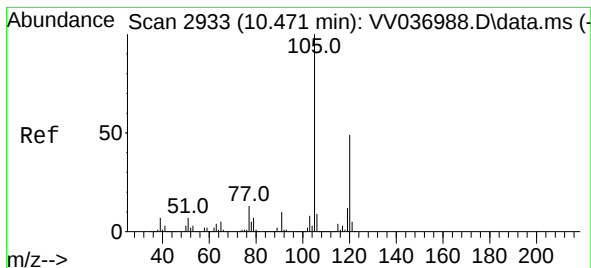
Tgt Ion:105 Resp: 5192907  
Ion Ratio Lower Upper  
105 100  
120 26.2 20.3 30.5  
77 15.9 12.6 19.0



#61  
1,2,3-Trichloropropane  
Concen: 100.141 ug/L  
RT: 10.204 min Scan# 2850  
Delta R.T. -0.000 min  
Lab File: VV036990.D  
Acq: 21 Aug 2024 12:24

Tgt Ion: 75 Resp: 544785  
Ion Ratio Lower Upper  
75 100  
77 32.3 26.2 39.4  
110 39.0 31.4 47.2





#62

1,3,5-Trimethylbenzene

Concen: 101.028 ug/L

RT: 10.471 min Scan# 2933

Delta R.T. -0.000 min

Lab File: VV036990.D

Acq: 21 Aug 2024 12:24

Instrument :

MSVOA\_V

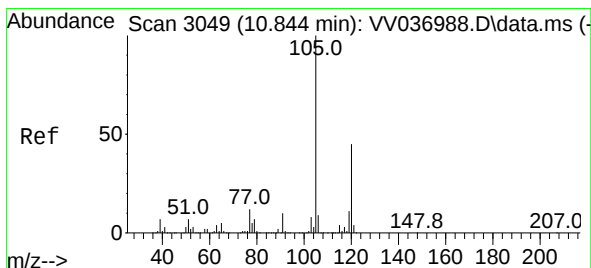
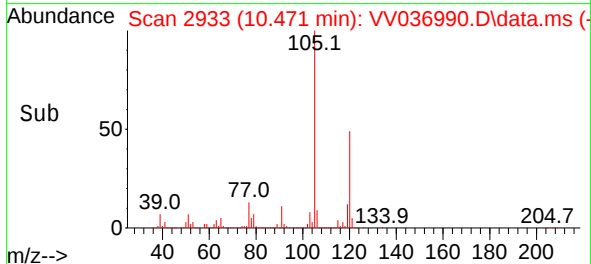
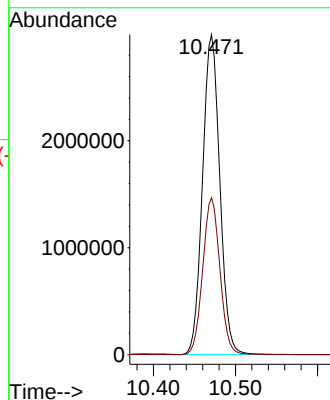
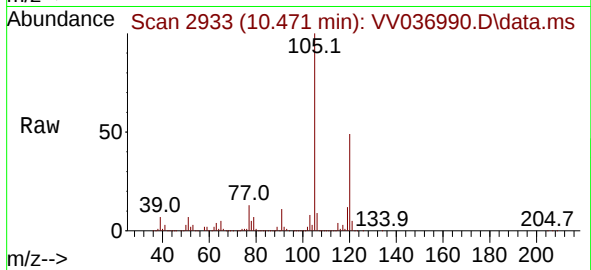
ClientSampleId :

Tgt Ion:105 Resp: 4367341

Ion Ratio Lower Upper

105 100

120 48.9 38.7 58.1



#63

1,2,4-Trimethylbenzene

Concen: 102.069 ug/L

RT: 10.844 min Scan# 3049

Delta R.T. -0.000 min

Lab File: VV036990.D

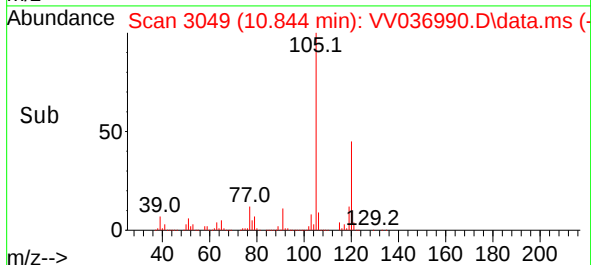
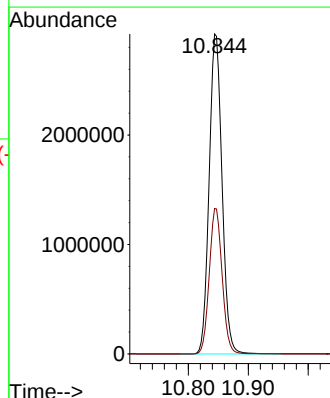
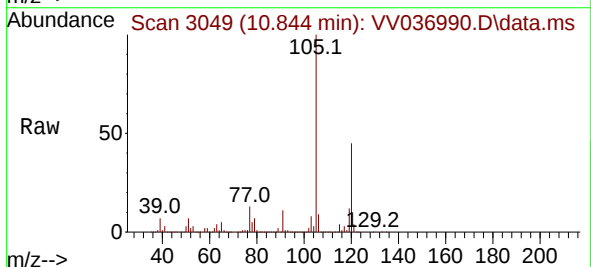
Acq: 21 Aug 2024 12:24

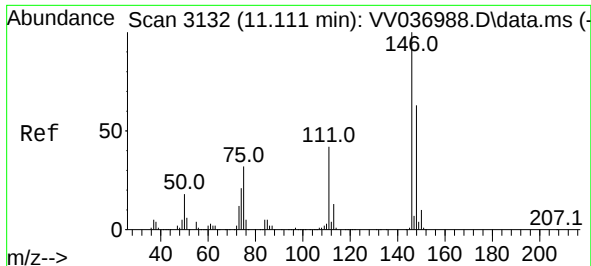
Tgt Ion:105 Resp: 4371819

Ion Ratio Lower Upper

105 100

120 45.3 35.5 53.3





#64

1,3-Dichlorobenzene

Concen: 96.872 ug/L

RT: 11.111 min Scan# 3132

Delta R.T. -0.000 min

Lab File: VV036990.D

Acq: 21 Aug 2024 12:24

Instrument :

MSVOA\_V

ClientSampleId :

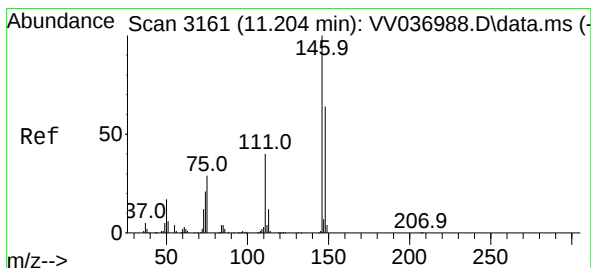
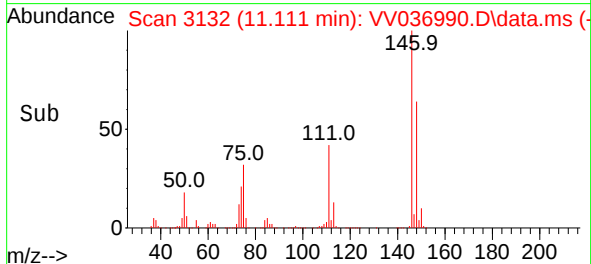
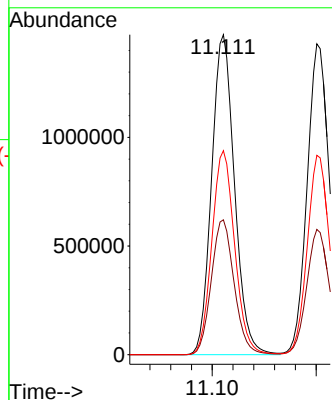
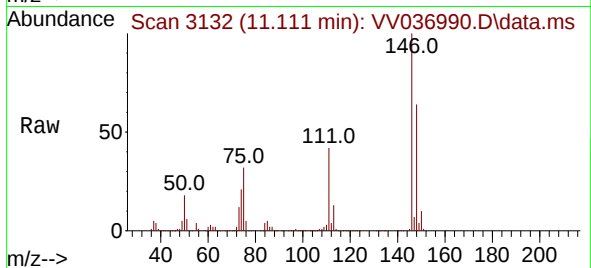
Tgt Ion:146 Resp: 2250655

Ion Ratio Lower Upper

146 100

111 42.2 29.3 54.3

148 63.8 44.2 82.0



#65

1,4-Dichlorobenzene

Concen: 95.347 ug/L

RT: 11.201 min Scan# 3160

Delta R.T. -0.003 min

Lab File: VV036990.D

Acq: 21 Aug 2024 12:24

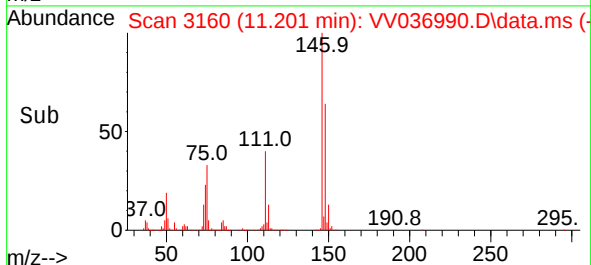
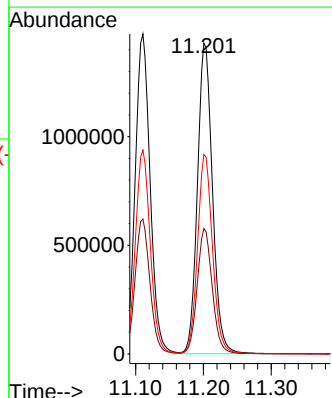
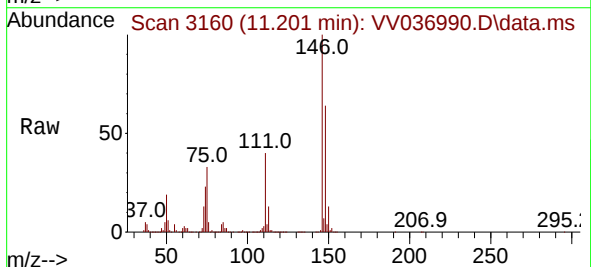
Tgt Ion:146 Resp: 2202856

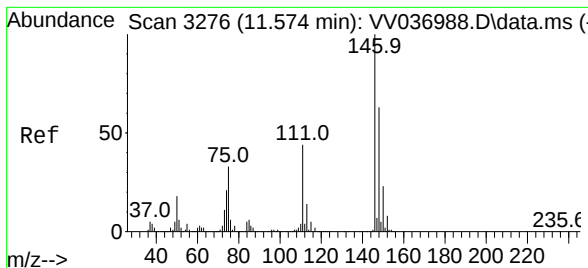
Ion Ratio Lower Upper

146 100

111 40.3 28.1 52.1

148 64.1 44.5 82.7





#67

1,2-Dichlorobenzene

Concen: 97.848 ug/L

RT: 11.574 min Scan# 3276

Delta R.T. -0.000 min

Lab File: VV036990.D

Acq: 21 Aug 2024 12:24

Instrument :

MSVOA\_V

ClientSampleId :

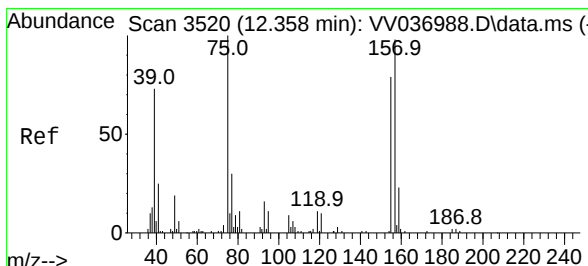
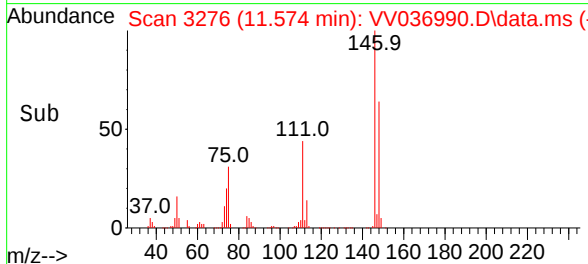
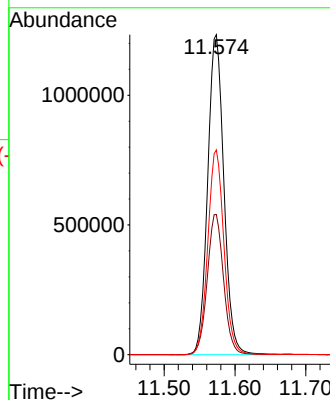
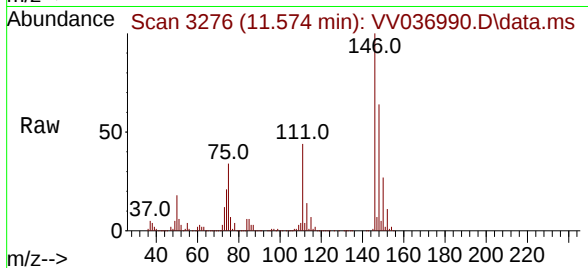
Tgt Ion:146 Resp: 1956667

Ion Ratio Lower Upper

146 100

111 43.8 35.2 52.8

148 64.0 50.8 76.2



#68

1,2-Dibromo-3-chloropropane

Concen: 109.581 ug/L

RT: 12.358 min Scan# 3520

Delta R.T. -0.000 min

Lab File: VV036990.D

Acq: 21 Aug 2024 12:24

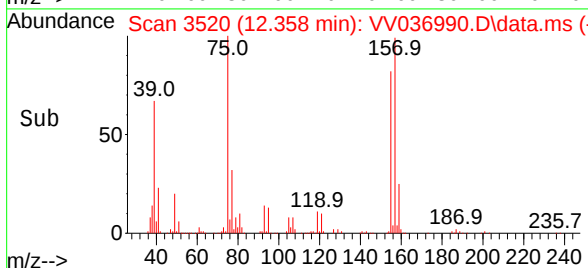
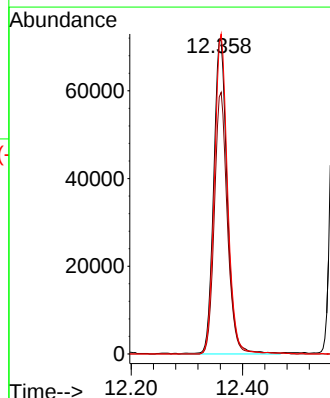
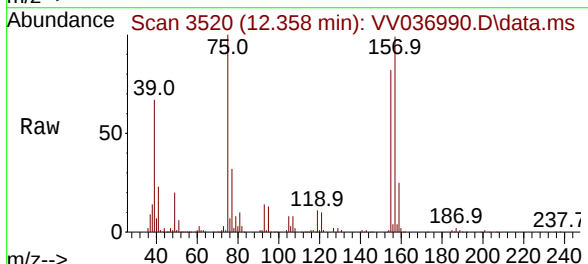
Tgt Ion: 75 Resp: 121409

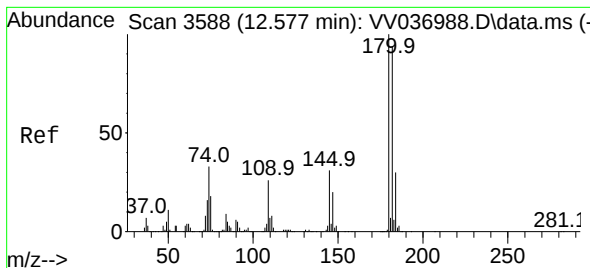
Ion Ratio Lower Upper

75 100

155 81.7 63.0 94.4

157 98.8 78.7 118.1





#69

1,3,5-Trichlorobenzene

Concen: 98.621 ug/L

RT: 12.577 min Scan# 3588

Delta R.T. -0.000 min

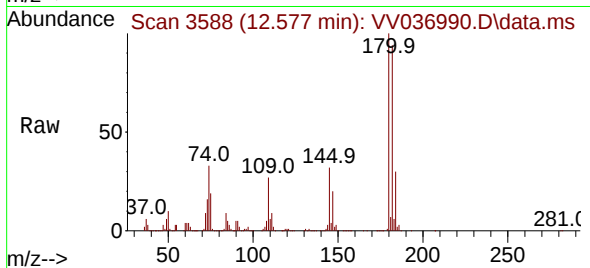
Lab File: VV036990.D

Acq: 21 Aug 2024 12:24

Instrument :

MSVOA\_V

ClientSampleId :



Tgt Ion:180 Resp: 1592501

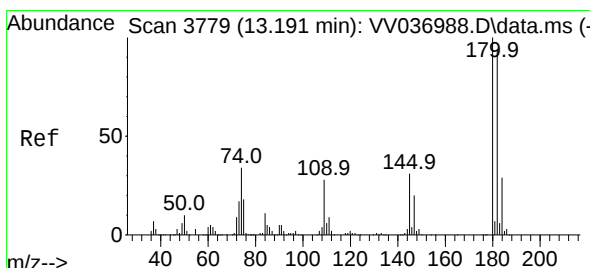
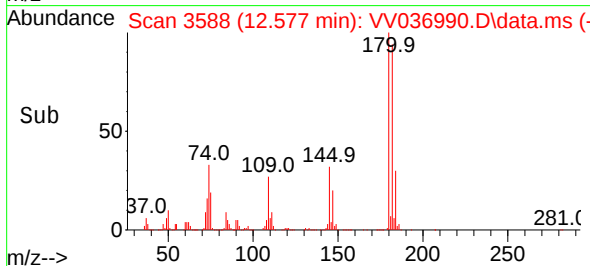
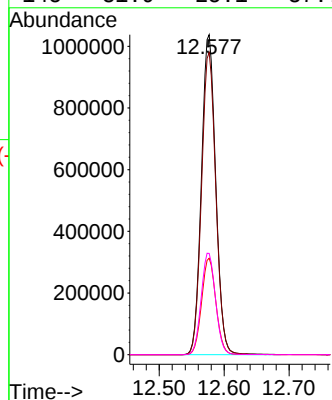
Ion Ratio Lower Upper

180 100

182 94.4 75.4 113.0

184 30.1 23.9 35.9

145 31.9 25.1 37.7



#70

1,2,4-trichlorobenzene

Concen: 99.819 ug/L

RT: 13.191 min Scan# 3779

Delta R.T. -0.000 min

Lab File: VV036990.D

Acq: 21 Aug 2024 12:24

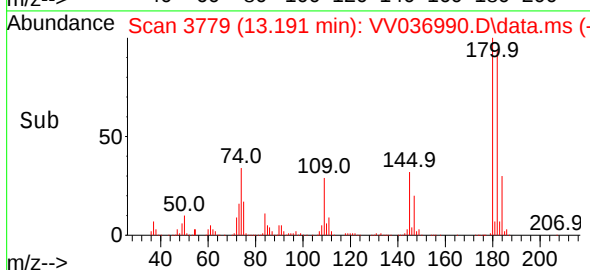
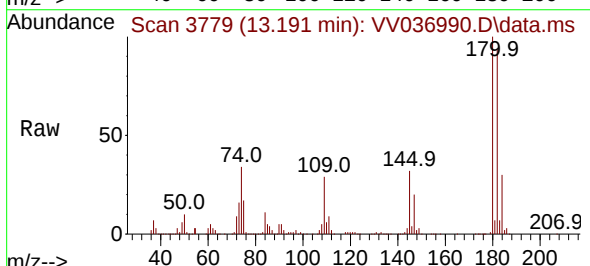
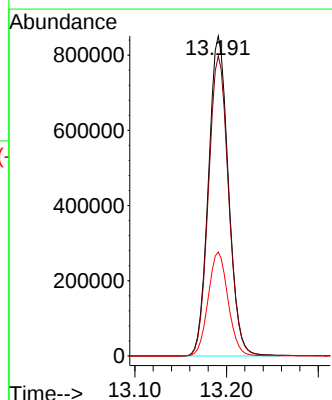
Tgt Ion:180 Resp: 1288636

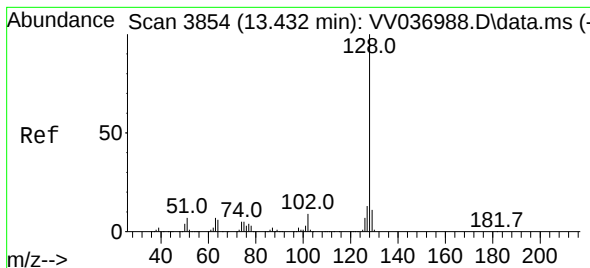
Ion Ratio Lower Upper

180 100

182 94.6 76.6 114.8

145 32.4 25.4 38.2





#71

Naphthalene

Concen: 104.308 ug/L

RT: 13.432 min Scan# 3854

Delta R.T. -0.000 min

Lab File: VV036990.D

Acq: 21 Aug 2024 12:24

Instrument :

MSVOA\_V

ClientSampleId :

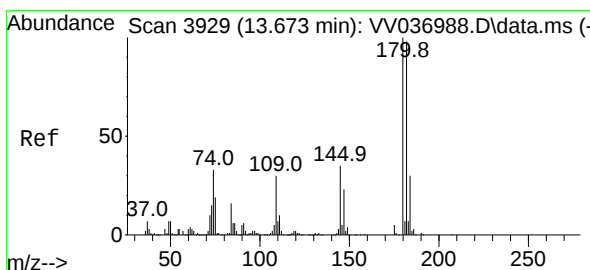
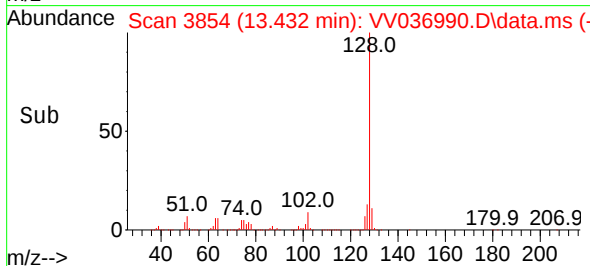
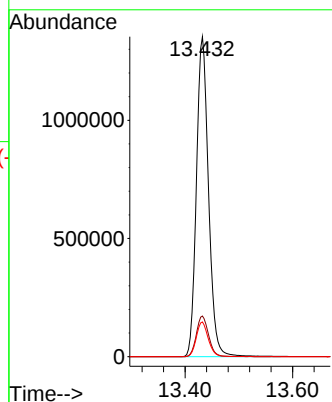
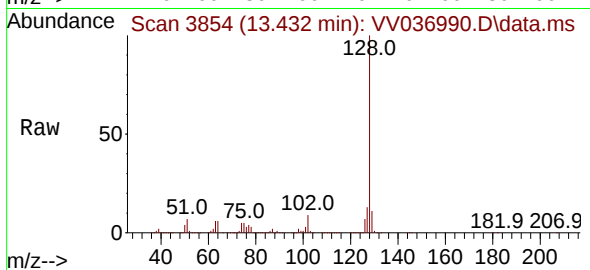
Tgt Ion:128 Resp: 2113956

Ion Ratio Lower Upper

128 100

127 12.8 10.2 15.4

129 10.8 8.7 13.1



#72

1,2,3-Trichlorobenzene

Concen: 98.213 ug/L

RT: 13.673 min Scan# 3929

Delta R.T. -0.000 min

Lab File: VV036990.D

Acq: 21 Aug 2024 12:24

Tgt Ion:180 Resp: 1064240

Ion Ratio Lower Upper

180 100

182 95.1 77.4 116.0

145 34.0 27.9 41.9

