

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV080224\  
 Data File : VV036757.D  
 Acq On : 02 Aug 2024 09:12  
 Operator : SY/MD  
 Sample : VSTD005  
 Misc : 5.00mL/MSVOA\_V/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Aug 02 23:49:46 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM080224WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Aug 02 23:21:18 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Difluorobenzene        | 5.526  | 114  | 521106   | 50.000 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5          | 8.780  | 117  | 482845   | 50.000 | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.181 | 152  | 235190   | 50.000 | ug/L  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 4) Vinyl Chloride-d3          | 1.278  | 65   | 17968    | 4.633  | ug/L  | 0.00     |
| 7) Chloroethane-d5            | 1.532  | 69   | 14088    | 4.595  | ug/L  | 0.00     |
| 11) 1,1-Dichloroethene-d2     | 2.056  | 65   | 8258     | 4.815  | ug/L  | 0.00     |
| 21) 2-Butanone-d5             | 3.786  | 46   | 41       | 0.023  | ug/L  | 0.00     |
| 24) Chloroform-d              | 4.243  | 84   | 33076    | 4.608  | ug/L  | 0.00     |
| 26) 1,2-Dichloroethane-d4     | 4.944  | 65   | 20440    | 4.415  | ug/L  | 0.00     |
| 32) Benzene-d6                | 4.953  | 84   | 65529    | 4.695  | ug/L  | 0.00     |
| 36) 1,2-Dichloropropane-d6    | 5.989  | 67   | 19826    | 4.415  | ug/L  | 0.00     |
| 41) Toluene-d8                | 7.243  | 98   | 56798    | 4.485  | ug/L  | 0.00     |
| 43) trans-1,3-Dichloroprop... | 7.564  | 79   | 10036    | 4.324  | ug/L  | 0.01     |
| 47) 2-Hexanone-d5             | 8.046  | 63   | 7383     | 6.051  | ug/L  | 0.02     |
| 56) 1,1,2,2-Tetrachloroeth... | 10.149 | 84   | 21814    | 4.315  | ug/L  | 0.00     |
| 66) 1,2-Dichlorobenzene-d4    | 11.558 | 152  | 20642    | 4.634  | ug/L  | 0.00     |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 2) Dichlorodifluoromethane    | 1.108  | 85   | 15576    | 4.107  | ug/L  | 97       |
| 3) Chloromethane              | 1.217  | 50   | 17763    | 4.266  | ug/L  | 94       |
| 5) Vinyl chloride             | 1.281  | 62   | 17972    | 4.148  | ug/L  | 95       |
| 6) Bromomethane               | 1.487  | 94   | 12097    | 4.315  | ug/L  | 92       |
| 8) Chloroethane               | 1.548  | 64   | 11359    | 4.164  | ug/L  | 100      |
| 9) Trichlorofluoromethane     | 1.712  | 101  | 23971    | 4.222  | ug/L  | 100      |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.066  | 101  | 14006    | 4.148  | ug/L  | 98       |
| 12) 1,1-Dichloroethene        | 2.069  | 96   | 14090    | 4.364  | ug/L  | 94       |
| 13) Acetone                   | 2.111  | 43   | 17765    | 9.929  | ug/L  | 95       |
| 14) Carbon disulfide          | 2.236  | 76   | 45859    | 4.506  | ug/L  | 99       |
| 15) Methyl Acetate            | 2.371  | 43   | 14136    | 3.875  | ug/L  | 99       |
| 16) Methylene chloride        | 2.442  | 84   | 15755    | 4.313  | ug/L  | 97       |
| 17) trans-1,2-Dichloroethene  | 2.687  | 96   | 14248    | 4.242  | ug/L  | 96       |
| 18) Methyl tert-butyl Ether   | 2.706  | 73   | 46883    | 3.984  | ug/L  | 97       |
| 19) 1,1-Dichloroethane        | 3.101  | 63   | 28127    | 4.149  | ug/L  | 98       |
| 20) cis-1,2-Dichloroethene    | 3.809  | 96   | 16933    | 4.259  | ug/L  | 96       |
| 22) 2-Butanone                | 3.902  | 43   | 14712    | 6.543  | ug/L  | 77       |
| 23) Bromochloromethane        | 4.146  | 128  | 7946     | 4.139  | ug/L  | 98       |
| 25) Chloroform                | 4.272  | 83   | 29333    | 4.164  | ug/L  | 95       |
| 27) 1,2-Dichloroethane        | 5.043  | 62   | 21269    | 3.896  | ug/L  | 99       |
| 29) Cyclohexane               | 4.571  | 56   | 25360    | 4.192  | ug/L  | 97       |
| 30) 1,1,1-Trichloroethane     | 4.503  | 97   | 25128    | 4.197  | ug/L  | 98       |
| 31) Carbon tetrachloride      | 4.725  | 117  | 20749    | 4.122  | ug/L  | 98       |
| 33) Benzene                   | 5.008  | 78   | 56988    | 4.003  | ug/L  | 100      |
| 34) Trichloroethene           | 5.834  | 95   | 17201    | 4.168  | ug/L  | 96       |
| 35) Methylcyclohexane         | 6.040  | 83   | 25759    | 4.117  | ug/L  | 97       |
| 37) 1,2-Dichloropropane       | 6.095  | 63   | 14706    | 3.923  | ug/L  | 99       |
| 38) Bromodichloromethane      | 6.436  | 83   | 21102    | 4.058  | ug/L  | 96       |
| 39) cis-1,3-Dichloropropene   | 6.960  | 75   | 26934    | 4.134  | ug/L  | 96       |
| 40) 4-Methyl-2-pentanone      | 7.165  | 43   | 30798    | 6.795  | ug/L  | 97       |
| 42) Toluene                   | 7.317  | 91   | 60773    | 4.034  | ug/L  | 96       |
| 44) trans-1,3-Dichloropropene | 7.590  | 75   | 23329    | 3.862  | ug/L  | 93       |

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 Data File : VV036757.D  
 Acq On : 02 Aug 2024 09:12  
 Operator : SY/MD  
 Sample : VSTD005  
 Misc : 5.00mL/MSVOA\_V/WATER  
 ALS Vial : 2 Sample Multiplier: 1

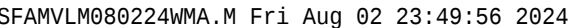
Instrument :  
 MSVOA\_V  
 ClientSampleId :

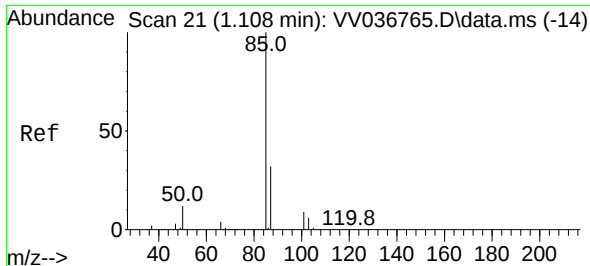
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM080224WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Aug 02 23:21:18 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| -----                         |        |      |          |       |        |          |
| 45) 1,1,2-Trichloroethane     | 7.770  | 97   | 14184    | 3.943 | ug/L   | 98       |
| 46) Tetrachloroethene         | 7.902  | 164  | 11214    | 4.180 | ug/L   | 94       |
| 48) 2-Hexanone                | 8.088  | 43   | 23168    | 6.787 | ug/L   | 99       |
| 49) Dibromochloromethane      | 8.175  | 129  | 14817    | 3.928 | ug/L   | 96       |
| 50) 1,2-Dibromoethane         | 8.284  | 107  | 15316    | 4.028 | ug/L   | 96       |
| 51) Chlorobenzene             | 8.812  | 112  | 40946    | 4.197 | ug/L   | 98       |
| 52) Ethylbenzene              | 8.944  | 91   | 71369    | 4.108 | ug/L   | 97       |
| 53) m,p-Xylene                | 9.072  | 106  | 25214    | 3.960 | ug/L   | 100      |
| 54) o-Xylene                  | 9.477  | 106  | 25103    | 3.962 | ug/L   | 100      |
| 55) Styrene                   | 9.497  | 104  | 42880    | 3.955 | ug/L   | 100      |
| 57) 1,1,2,2-Tetrachloroethane | 10.175 | 83   | 18672    | 3.863 | ug/L   | 98       |
| 59) Bromoform                 | 9.664  | 173  | 9968     | 3.912 | ug/L # | 96       |
| 60) Isopropylbenzene          | 9.863  | 105  | 69286    | 4.146 | ug/L   | 99       |
| 61) 1,2,3-Trichloropropane    | 10.207 | 75   | 15492    | 3.815 | ug/L   | 99       |
| 62) 1,3,5-Trimethylbenzene    | 10.474 | 105  | 56451    | 4.033 | ug/L   | 98       |
| 63) 1,2,4-Trimethylbenzene    | 10.850 | 105  | 55764    | 4.007 | ug/L   | 97       |
| 64) 1,3-Dichlorobenzene       | 11.117 | 146  | 31044    | 4.275 | ug/L   | 98       |
| 65) 1,4-Dichlorobenzene       | 11.204 | 146  | 31971    | 4.320 | ug/L   | 98       |
| 67) 1,2-Dichlorobenzene       | 11.577 | 146  | 29934    | 4.224 | ug/L   | 97       |
| 68) 1,2-Dibromo-3-chloropr... | 12.368 | 75   | 4259     | 3.665 | ug/L   | 96       |
| 69) 1,3,5-Trichlorobenzene    | 12.583 | 180  | 20984    | 4.138 | ug/L   | 97       |
| 70) 1,2,4-trichlorobenzene    | 13.197 | 180  | 20021    | 4.134 | ug/L   | 99       |
| 71) Naphthalene               | 13.439 | 128  | 60926    | 4.020 | ug/L   | 100      |
| 72) 1,2,3-Trichlorobenzene    | 13.680 | 180  | 18962    | 4.027 | ug/L   | 99       |
| -----                         |        |      |          |       |        |          |

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

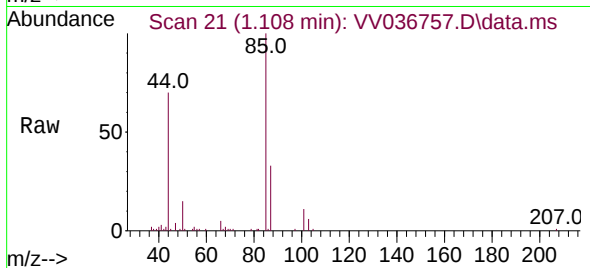
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM080224WMA.M  
Quant Title : VOC Analysis  
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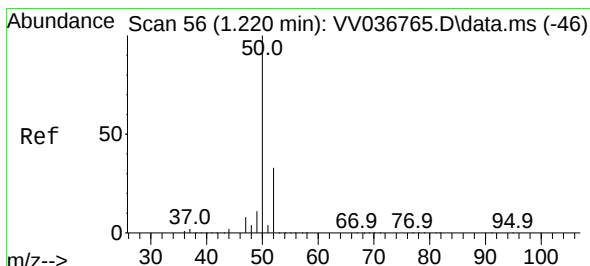
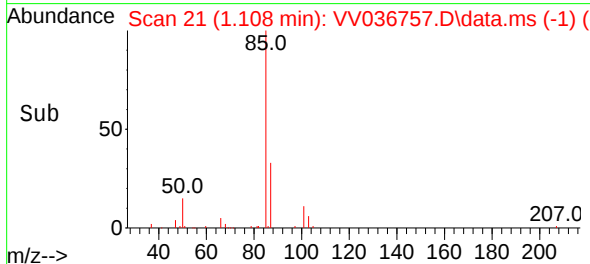
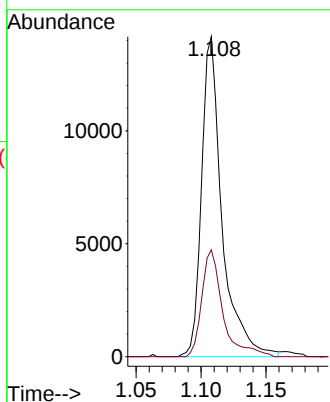


#2  
Dichlorodifluoromethane  
Concen: 4.107 ug/L  
RT: 1.108 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VV036757.D  
Acq: 02 Aug 2024 09:12

Instrument :  
MSVOA\_V  
ClientSampleId :

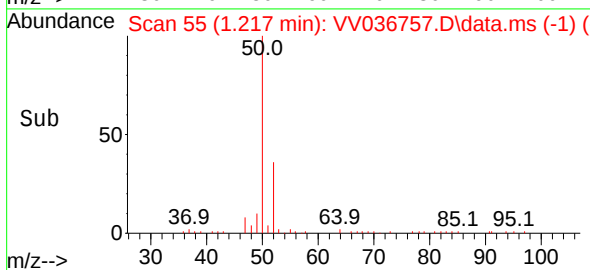
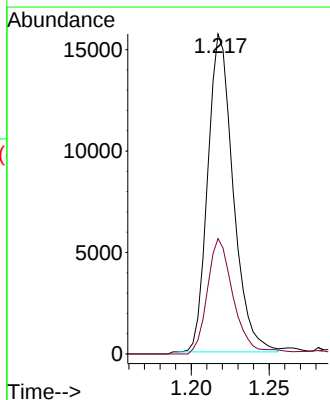
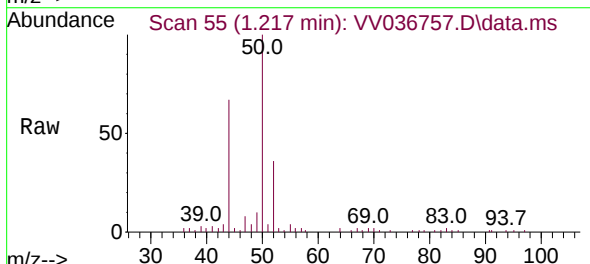


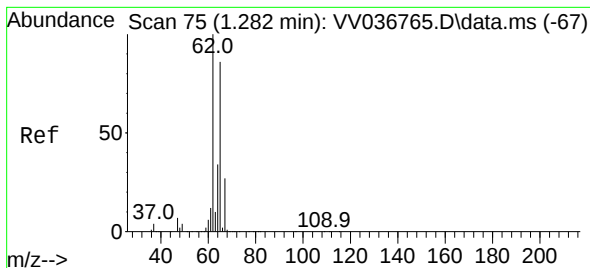
Tgt Ion: 85 Resp: 15576  
Ion Ratio Lower Upper  
85 100  
87 34.1 25.9 38.9



#3  
Chloromethane  
Concen: 4.266 ug/L  
RT: 1.217 min Scan# 55  
Delta R.T. -0.003 min  
Lab File: VV036757.D  
Acq: 02 Aug 2024 09:12

Tgt Ion: 50 Resp: 17763  
Ion Ratio Lower Upper  
50 100  
52 36.1 23.0 42.8





#5

Vinyl chloride

Concen: 4.148 ug/L

RT: 1.281 min Scan# 75

Delta R.T. -0.000 min MSVOA\_V

Lab File: VV036757.D

Acq: 02 Aug 2024 09:12

Instrument :

MSVOA\_V

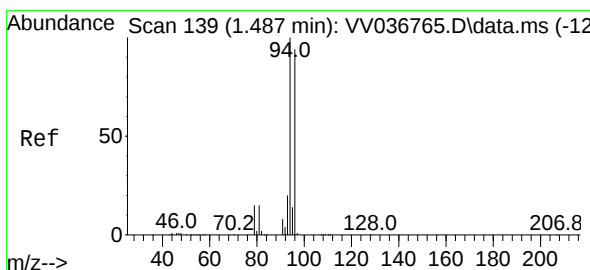
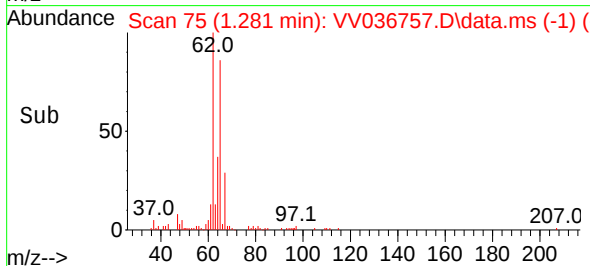
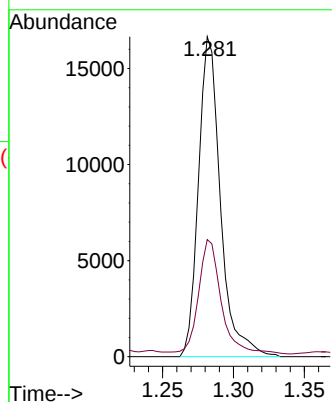
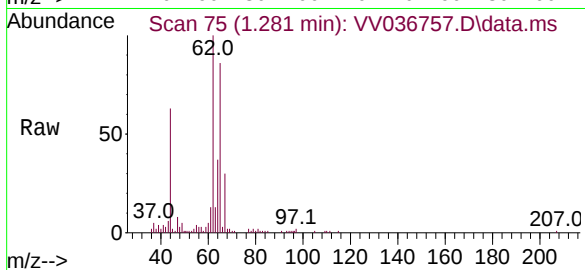
ClientSampleId :

Tgt Ion: 62 Resp: 17972

Ion Ratio Lower Upper

62 100

64 36.6 23.6 43.8



#6

Bromomethane

Concen: 4.315 ug/L

RT: 1.487 min Scan# 139

Delta R.T. -0.000 min

Lab File: VV036757.D

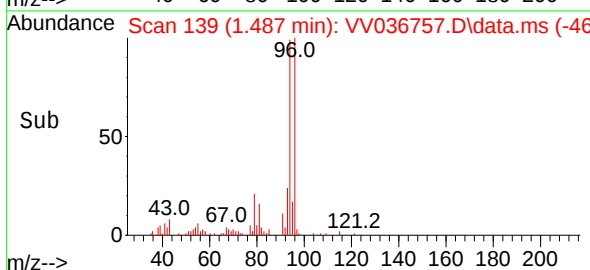
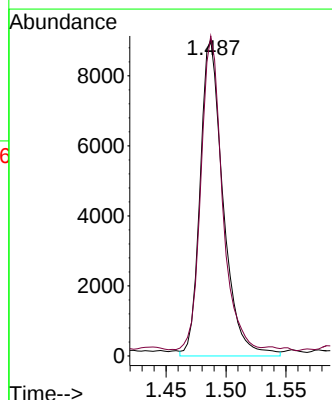
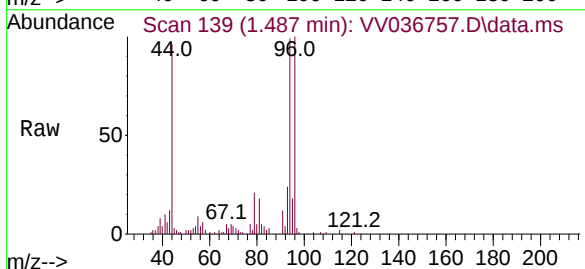
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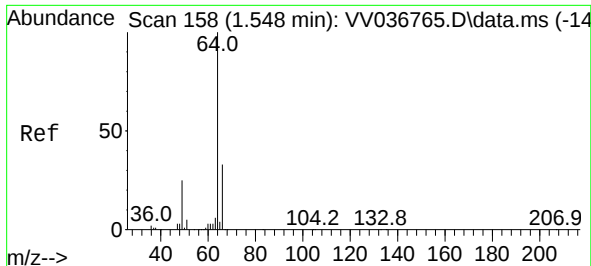
Tgt Ion: 94 Resp: 12097

Ion Ratio Lower Upper

94 100

96 101.1 65.5 121.7

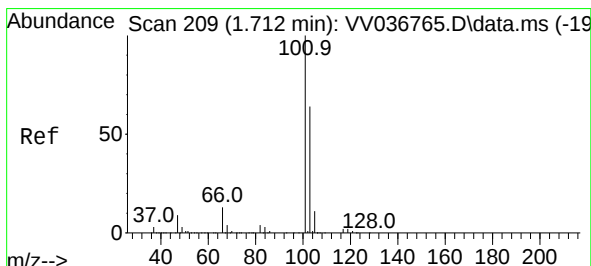
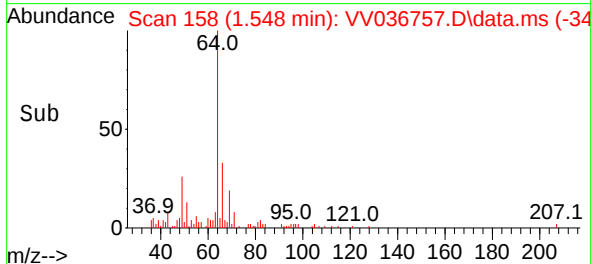
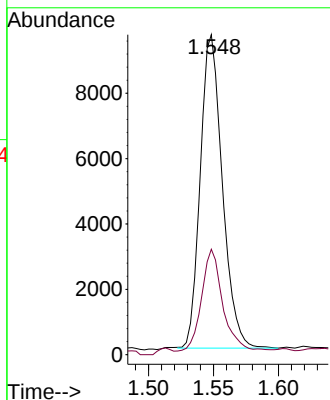
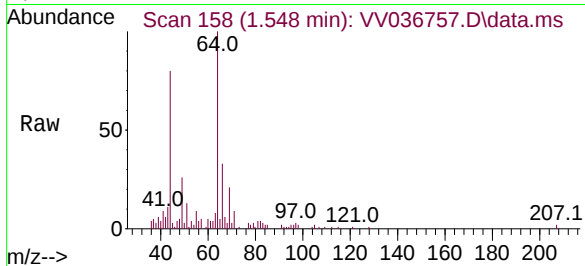




#8  
Chloroethane  
Concen: 4.164 ug/L  
RT: 1.548 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VV036757.D  
Acq: 02 Aug 2024 09:12

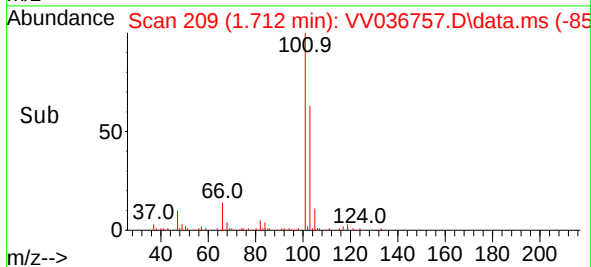
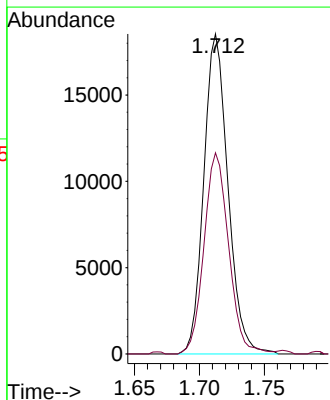
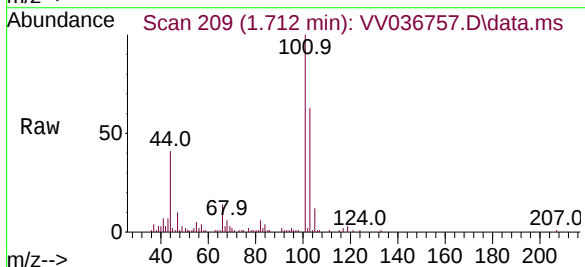
Instrument :  
MSVOA\_V  
ClientSampleId :

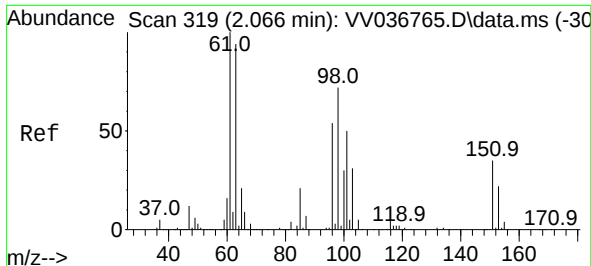
Tgt Ion: 64 Resp: 11359  
Ion Ratio Lower Upper  
64 100  
66 33.0 23.2 43.0



#9  
Trichlorofluoromethane  
Concen: 4.222 ug/L  
RT: 1.712 min Scan# 209  
Delta R.T. -0.000 min  
Lab File: VV036757.D  
Acq: 02 Aug 2024 09:12

Tgt Ion:101 Resp: 23971  
Ion Ratio Lower Upper  
101 100  
103 64.2 51.4 77.0





#10

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

Concen: 4.148 ug/L

RT: 2.066 min Scan# 319

Delta R.T. -0.000 min

Lab File: VV036757.D

Acq: 02 Aug 2024 09:12

Instrument :

MSVOA\_V

ClientSampleId :

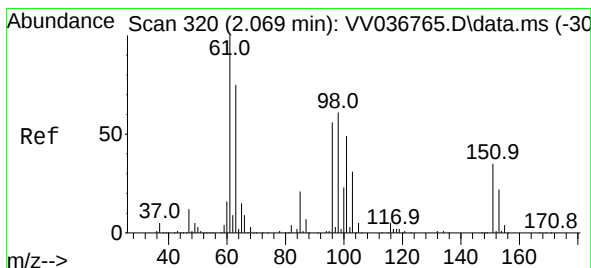
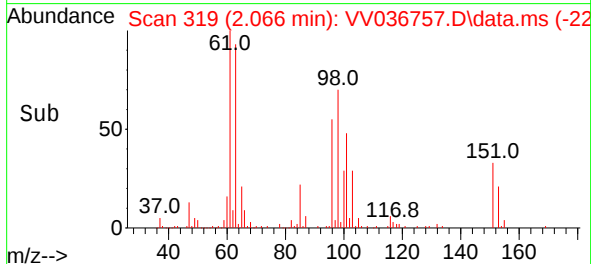
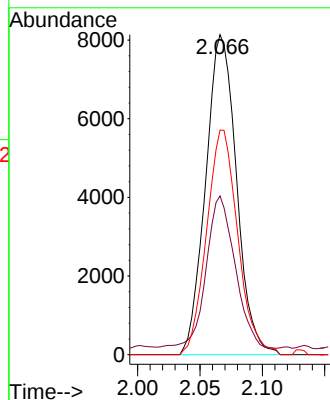
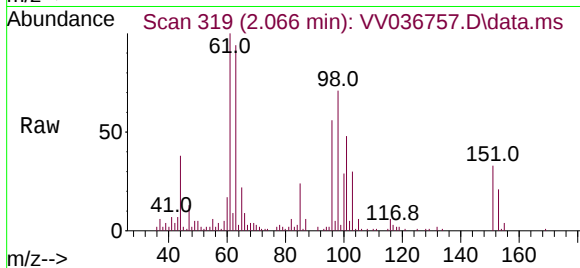
Tgt Ion:101 Resp: 14006

Ion Ratio Lower Upper

101 100

85 45.4 34.6 51.8

151 71.0 55.9 83.9



#12

1,1-Dichloroethene

Concen: 4.364 ug/L

RT: 2.069 min Scan# 320

Delta R.T. -0.000 min

Lab File: VV036757.D

Acq: 02 Aug 2024 09:12

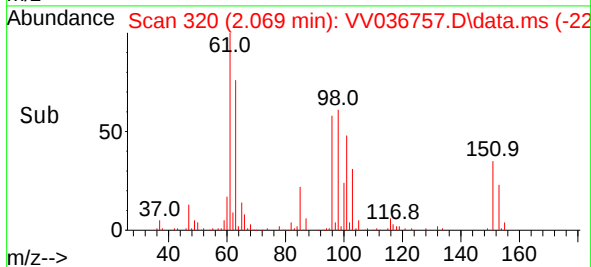
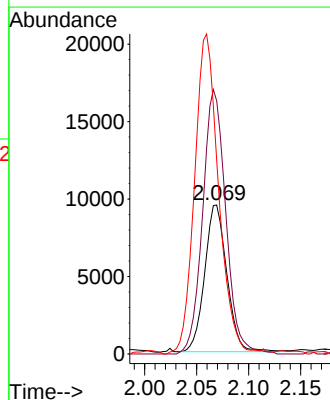
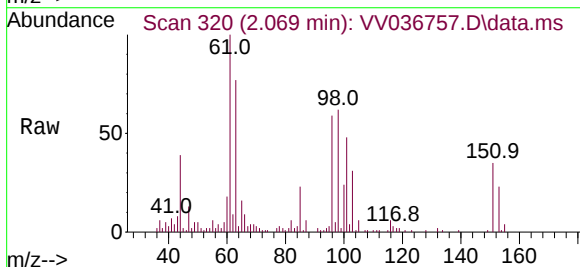
Tgt Ion: 96 Resp: 14090

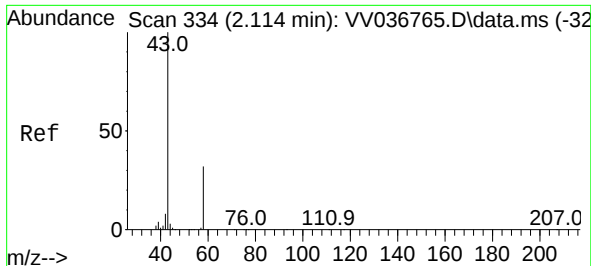
Ion Ratio Lower Upper

96 100

61 169.9 125.6 233.2

63 130.1 95.1 176.7

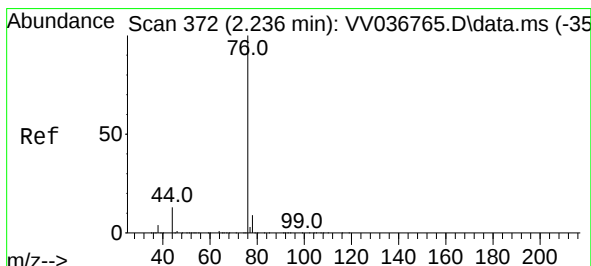
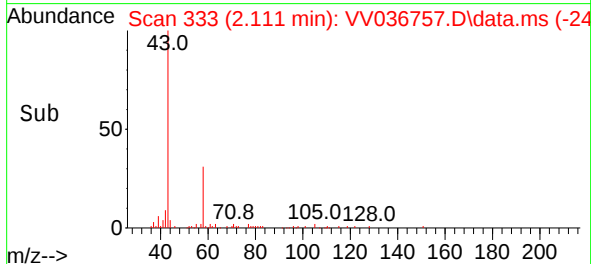
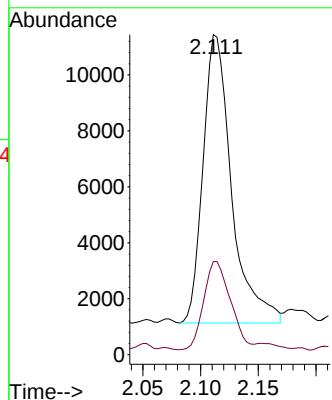
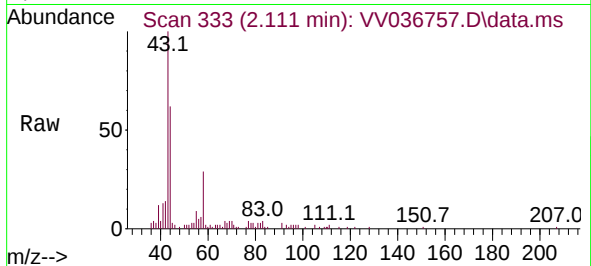




#13  
Acetone  
Concen: 9.929 ug/L  
RT: 2.111 min Scan# 334  
Delta R.T. -0.003 min  
Lab File: VV036757.D  
Acq: 02 Aug 2024 09:12

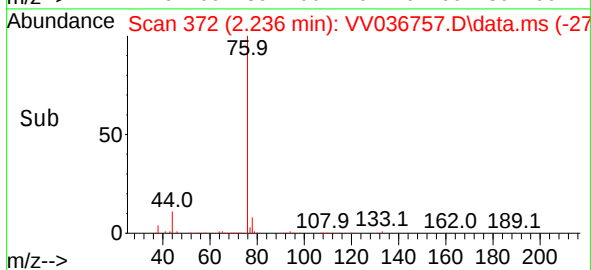
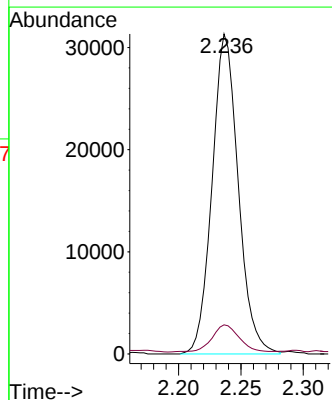
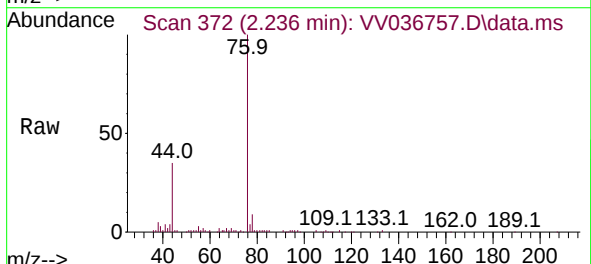
Instrument :  
MSVOA\_V  
ClientSampleId :

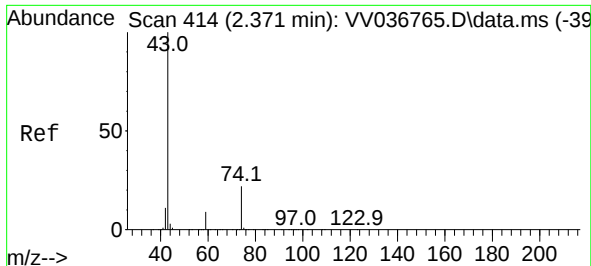
Tgt Ion: 43 Resp: 17765  
Ion Ratio Lower Upper  
43 100  
58 28.7 0.0 63.4



#14  
Carbon disulfide  
Concen: 4.506 ug/L  
RT: 2.236 min Scan# 372  
Delta R.T. -0.000 min  
Lab File: VV036757.D  
Acq: 02 Aug 2024 09:12

Tgt Ion: 76 Resp: 45859  
Ion Ratio Lower Upper  
76 100  
78 9.1 7.1 10.7





#15

Methyl Acetate

Concen: 3.875 ug/L

RT: 2.371 min Scan# 414

Delta R.T. -0.000 min

Lab File: VV036757.D

Acq: 02 Aug 2024 09:12

Instrument :

MSVOA\_V

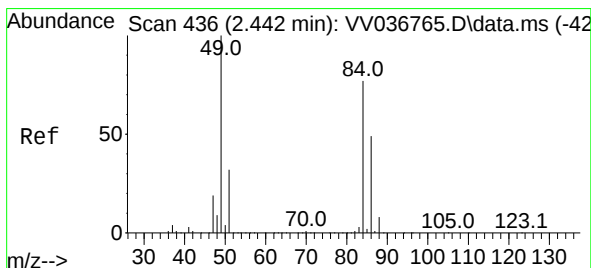
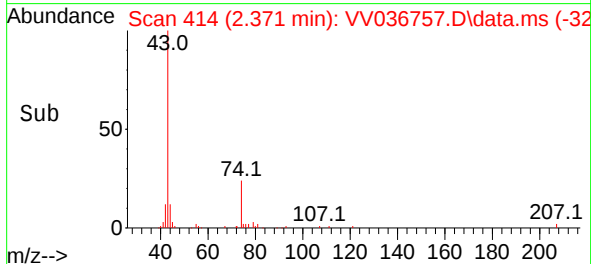
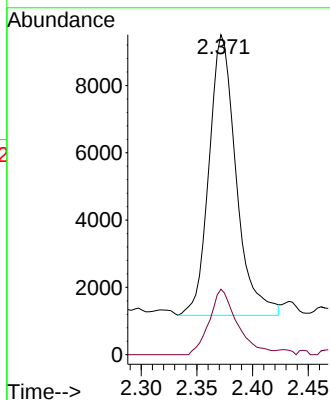
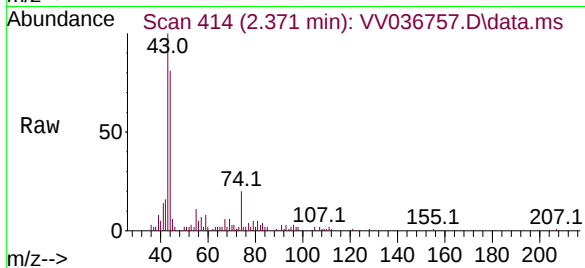
ClientSampleId :

Tgt Ion: 43 Resp: 14136

Ion Ratio Lower Upper

43 100

74 24.1 19.0 28.4



#16

Methylene chloride

Concen: 4.313 ug/L

RT: 2.442 min Scan# 436

Delta R.T. -0.000 min

Lab File: VV036757.D

Acq: 02 Aug 2024 09:12

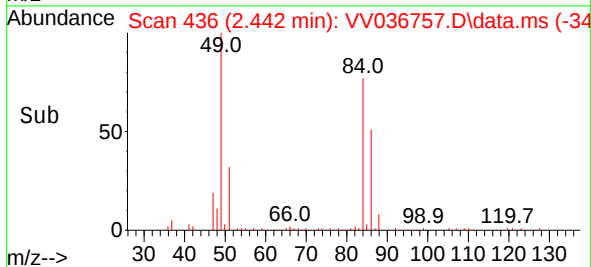
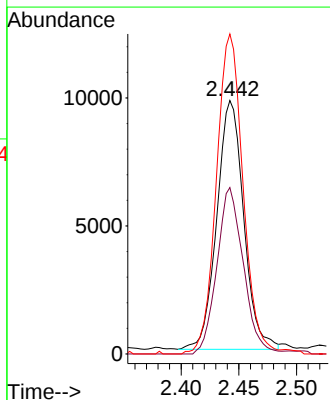
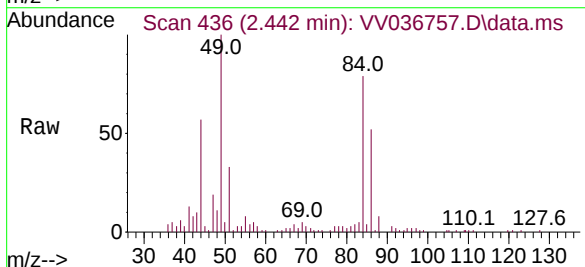
Tgt Ion: 84 Resp: 15755

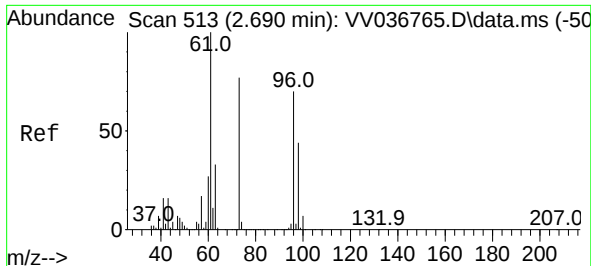
Ion Ratio Lower Upper

84 100

86 65.7 44.3 82.3

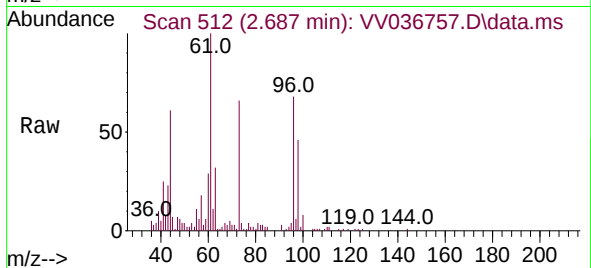
49 126.3 91.1 169.1



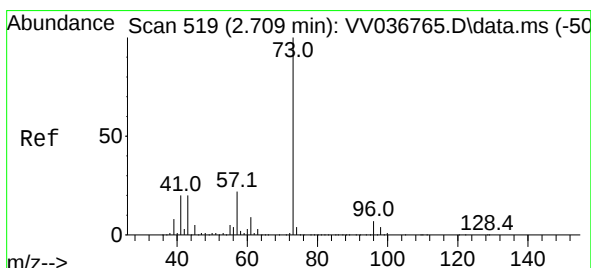
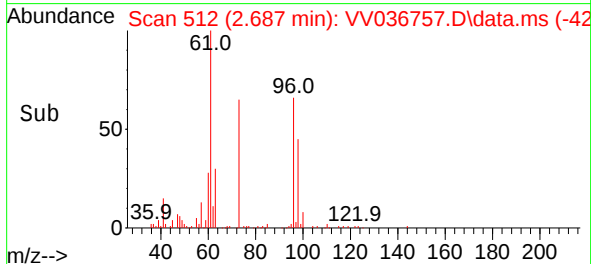
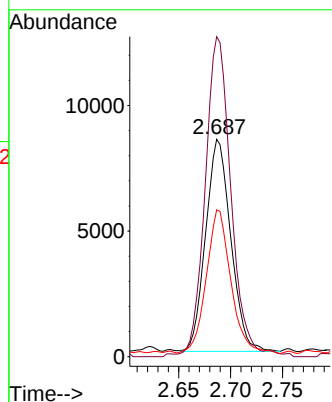


#17  
trans-1,2-Dichloroethene  
Concen: 4.242 ug/L  
RT: 2.687 min Scan# 513  
Delta R.T. -0.003 min  
Lab File: VV036757.D  
Acq: 02 Aug 2024 09:12

Instrument :  
MSVOA\_V  
ClientSampleId :

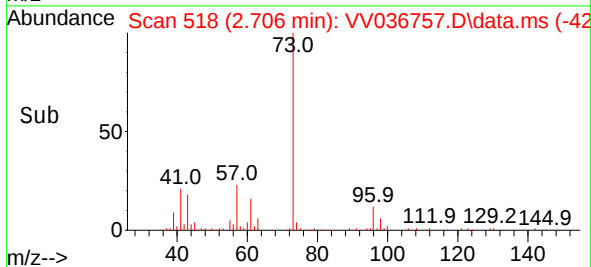
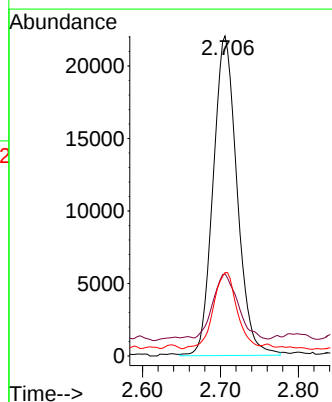
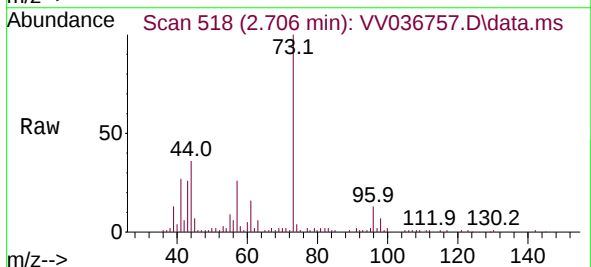


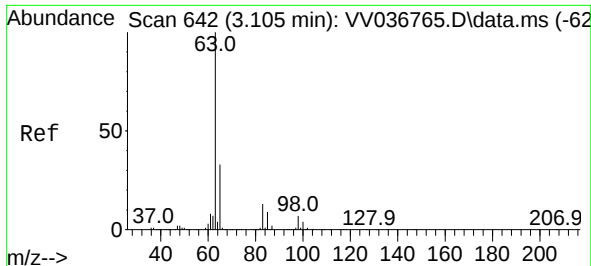
Tgt Ion: 96 Resp: 14248  
Ion Ratio Lower Upper  
96 100  
61 147.2 100.0 185.8  
98 67.5 44.0 81.8



#18  
Methyl tert-butyl Ether  
Concen: 3.984 ug/L  
RT: 2.706 min Scan# 518  
Delta R.T. -0.003 min  
Lab File: VV036757.D  
Acq: 02 Aug 2024 09:12

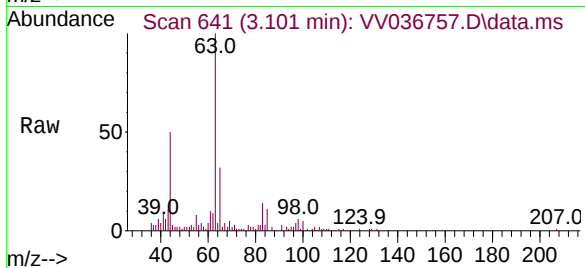
Tgt Ion: 73 Resp: 46883  
Ion Ratio Lower Upper  
73 100  
43 21.3 16.1 24.1  
57 23.8 17.9 26.9



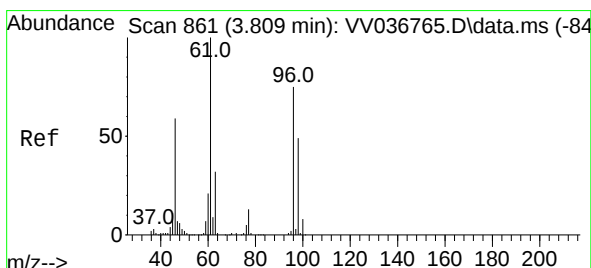
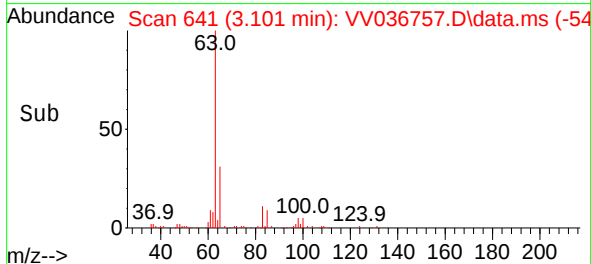
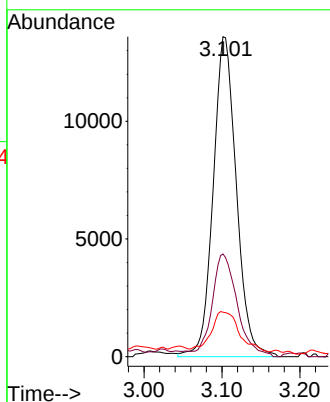


#19  
1,1-Dichloroethane  
Concen: 4.149 ug/L  
RT: 3.101 min Scan# 642  
Delta R.T. -0.003 min  
Lab File: VV036757.D  
Acq: 02 Aug 2024 09:12

Instrument :  
MSVOA\_V  
ClientSampleId :

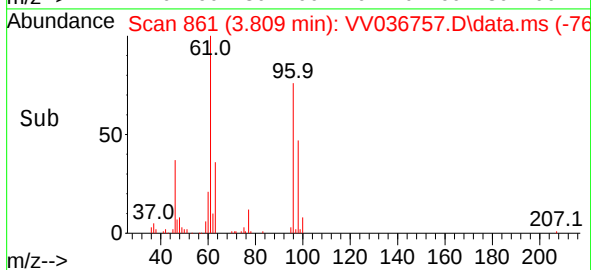
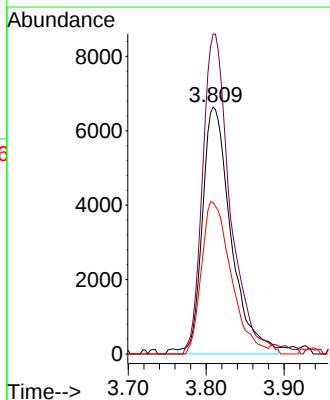
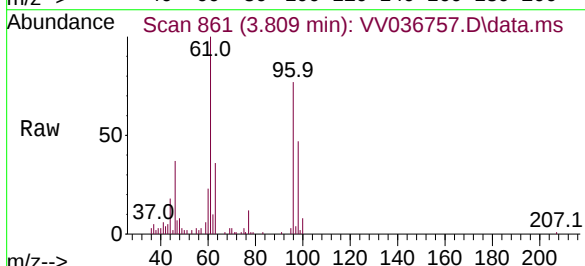


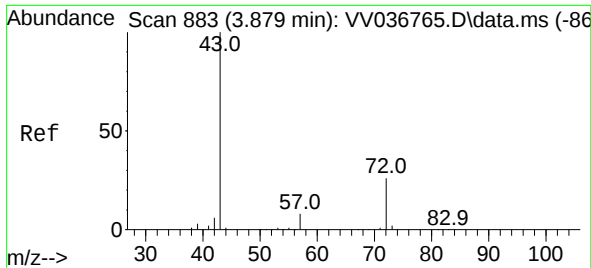
Tgt Ion: 63 Resp: 28127  
Ion Ratio Lower Upper  
63 100  
65 32.1 23.2 43.0  
83 13.9 9.2 17.0



#20  
cis-1,2-Dichloroethene  
Concen: 4.259 ug/L  
RT: 3.809 min Scan# 861  
Delta R.T. -0.000 min  
Lab File: VV036757.D  
Acq: 02 Aug 2024 09:12

Tgt Ion: 96 Resp: 16933  
Ion Ratio Lower Upper  
96 100  
61 129.5 93.9 174.5  
98 61.4 46.0 85.4

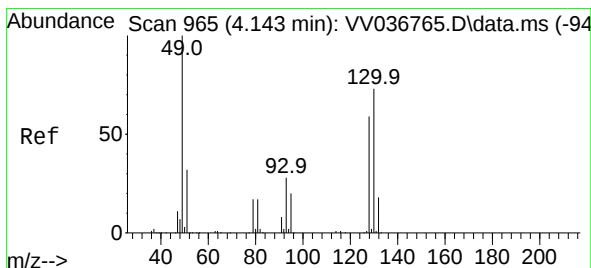
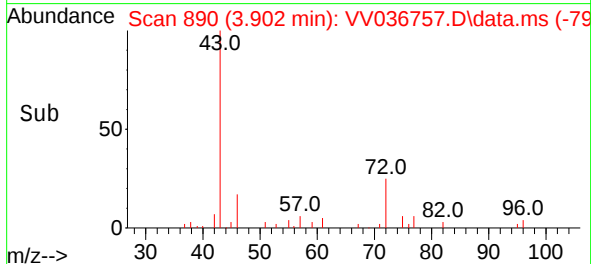
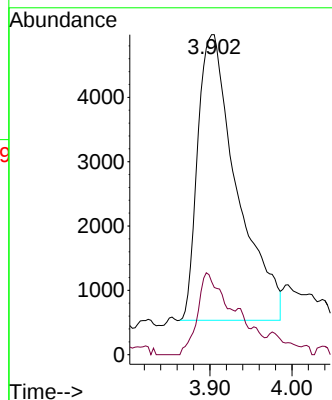
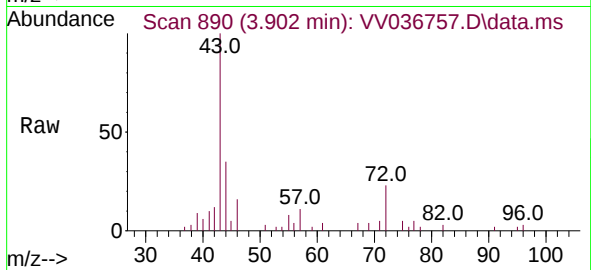




#22  
2-Butanone  
Concen: 6.543 ug/L  
RT: 3.902 min Scan# 890  
Delta R.T. 0.022 min  
Lab File: VV036757.D  
Acq: 02 Aug 2024 09:12

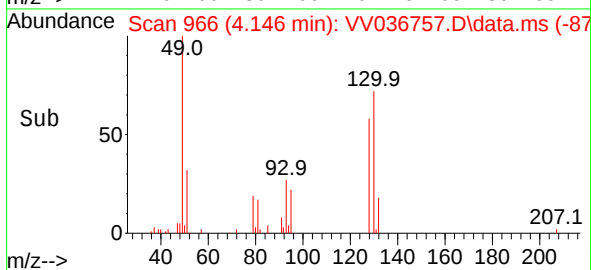
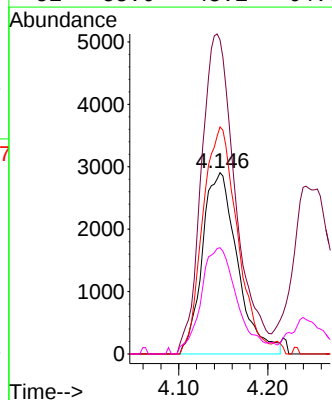
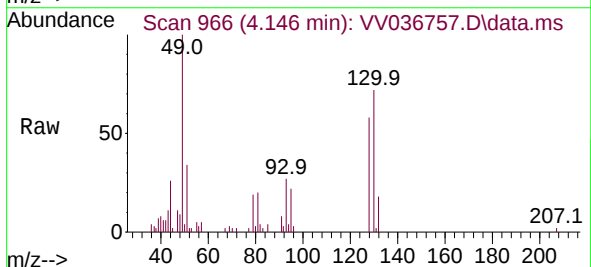
Instrument :  
MSVOA\_V  
ClientSampleId :

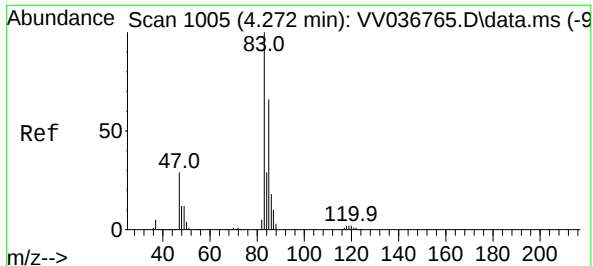
Tgt Ion: 43 Resp: 14712  
Ion Ratio Lower Upper  
43 100  
72 13.2 12.5 37.5



#23  
Bromochloromethane  
Concen: 4.139 ug/L  
RT: 4.146 min Scan# 966  
Delta R.T. 0.003 min  
Lab File: VV036757.D  
Acq: 02 Aug 2024 09:12

Tgt Ion:128 Resp: 7946  
Ion Ratio Lower Upper  
128 100  
49 173.3 120.0 223.0  
130 125.3 87.0 161.6  
51 58.6 43.1 64.7





#25

Chloroform

Concen: 4.164 ug/L

RT: 4.272 min Scan# 1005

Delta R.T. -0.000 min

Lab File: VV036757.D

Acq: 02 Aug 2024 09:12

Instrument :

MSVOA\_V

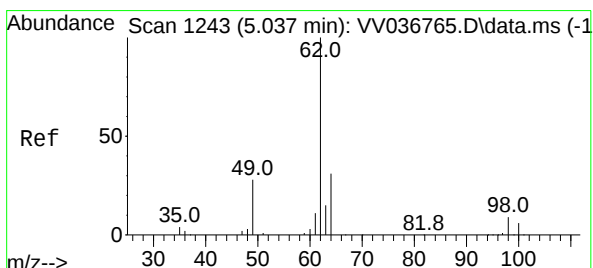
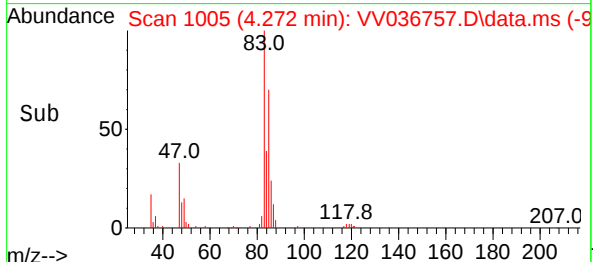
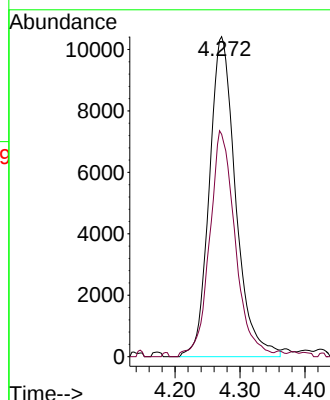
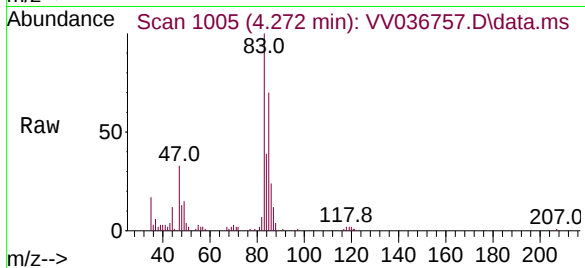
ClientSampleId :

Tgt Ion: 83 Resp: 29333

Ion Ratio Lower Upper

83 100

85 69.5 46.0 85.4



#27

1,2-Dichloroethane

Concen: 3.896 ug/L

RT: 5.043 min Scan# 1245

Delta R.T. 0.006 min

Lab File: VV036757.D

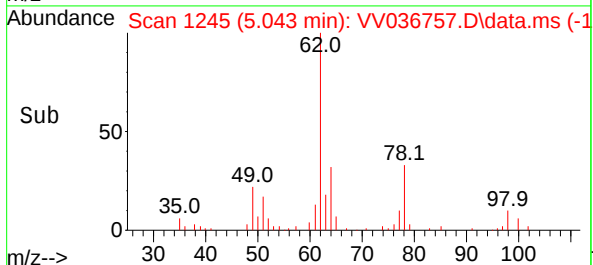
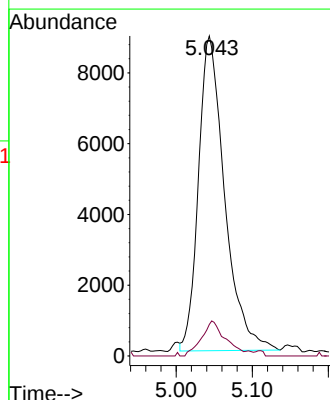
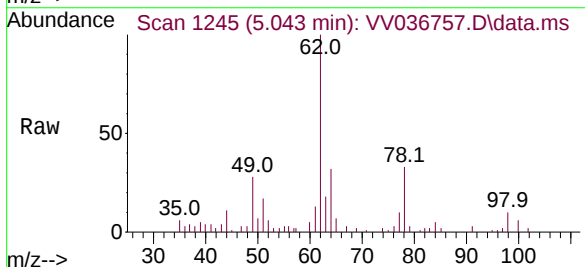
Acq: 02 Aug 2024 09:12

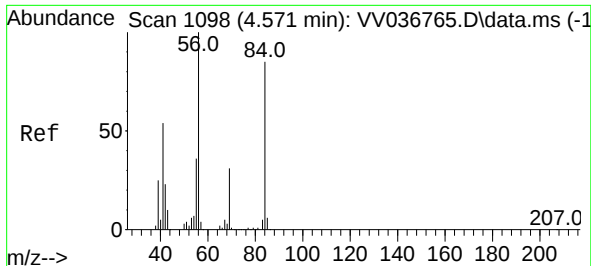
Tgt Ion: 62 Resp: 21269

Ion Ratio Lower Upper

62 100

98 9.8 7.5 11.3

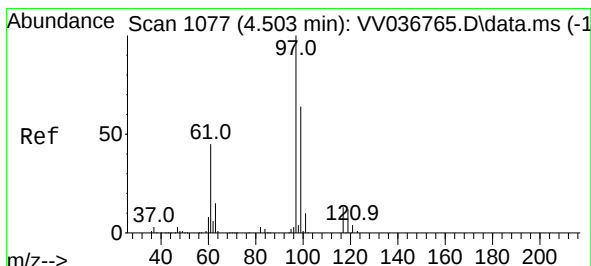
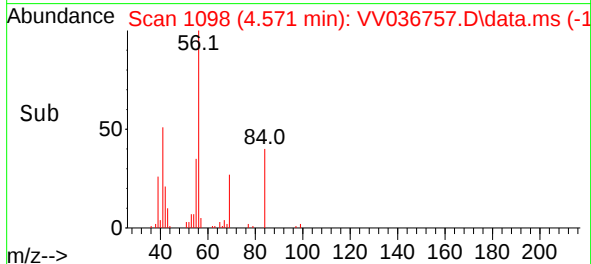
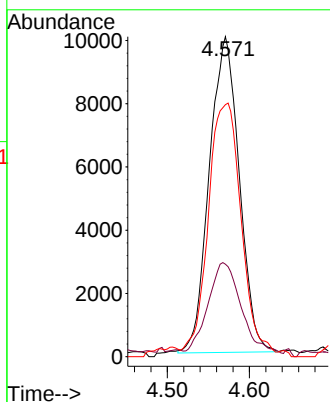
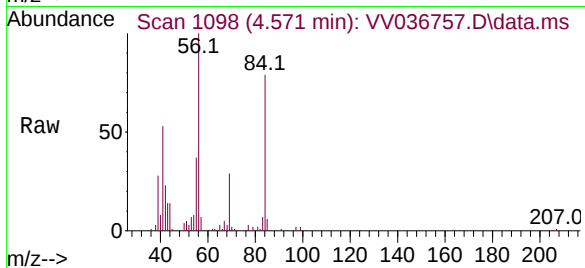




#29  
Cyclohexane  
Concen: 4.192 ug/L  
RT: 4.571 min Scan# 1098  
Delta R.T. -0.000 min  
Lab File: VV036757.D  
Acq: 02 Aug 2024 09:12

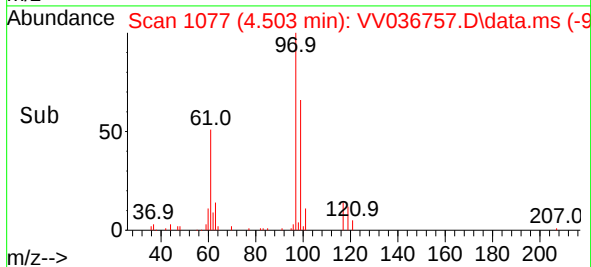
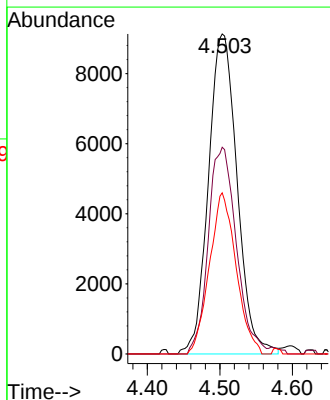
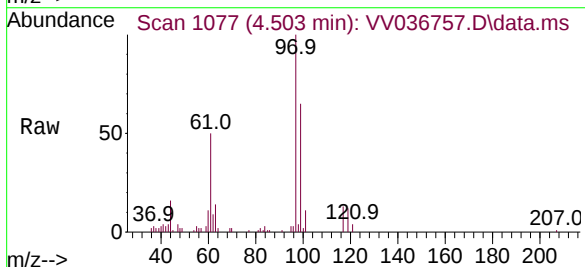
Instrument :  
MSVOA\_V  
ClientSampleId :

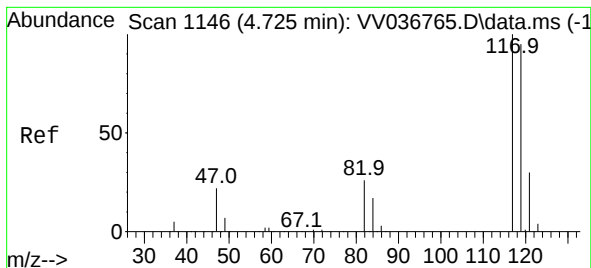
Tgt Ion: 56 Resp: 25360  
Ion Ratio Lower Upper  
56 100  
69 32.2 24.7 37.1  
84 88.6 68.5 102.7



#30  
1,1,1-Trichloroethane  
Concen: 4.197 ug/L  
RT: 4.503 min Scan# 1077  
Delta R.T. -0.000 min  
Lab File: VV036757.D  
Acq: 02 Aug 2024 09:12

Tgt Ion: 97 Resp: 25128  
Ion Ratio Lower Upper  
97 100  
99 63.1 51.5 77.3  
61 46.8 36.0 54.0





#31

Carbon tetrachloride

Concen: 4.122 ug/L

RT: 4.725 min Scan# 1146

Delta R.T. -0.000 min

Lab File: VV036757.D

Acq: 02 Aug 2024 09:12

Instrument :

MSVOA\_V

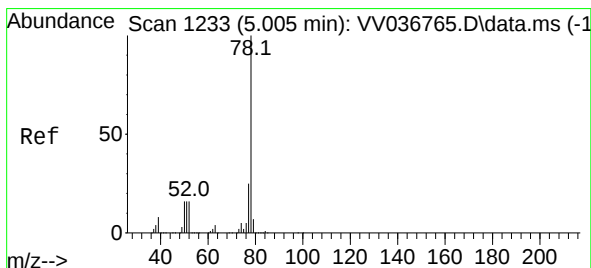
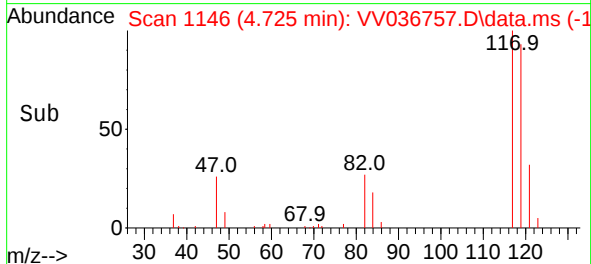
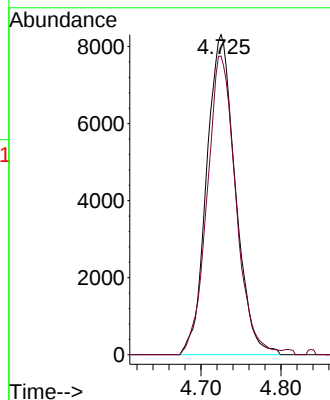
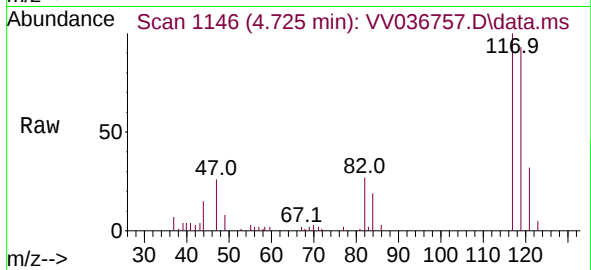
ClientSampleId :

Tgt Ion:117 Resp: 20749

Ion Ratio Lower Upper

117 100

119 93.4 76.1 114.1



#33

Benzene

Concen: 4.003 ug/L

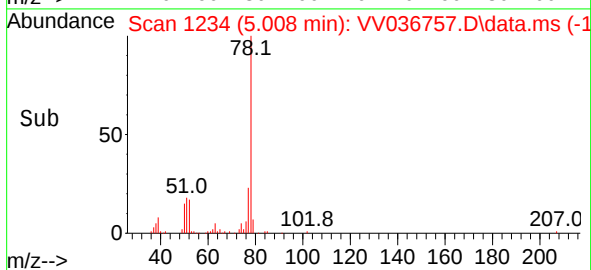
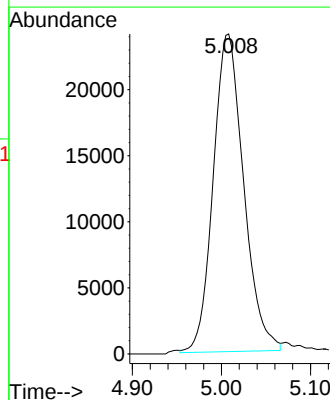
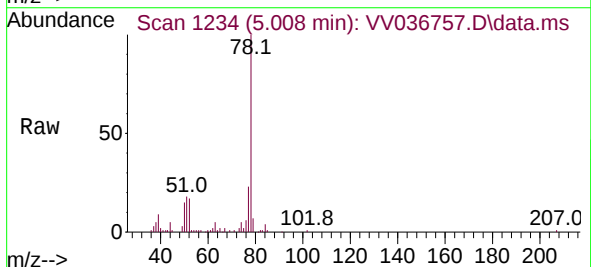
RT: 5.008 min Scan# 1234

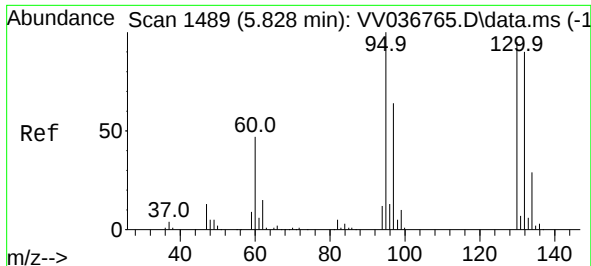
Delta R.T. 0.003 min

Lab File: VV036757.D

Acq: 02 Aug 2024 09:12

Tgt Ion: 78 Resp: 56988



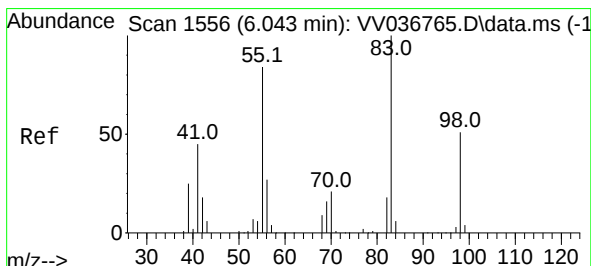
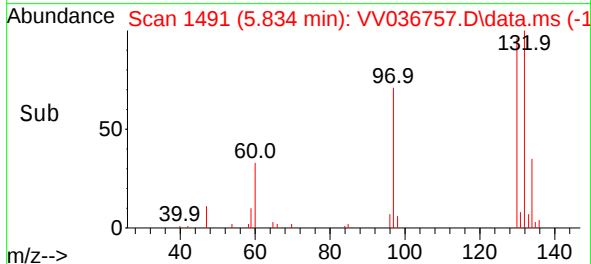
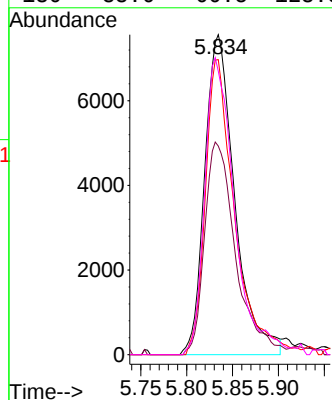
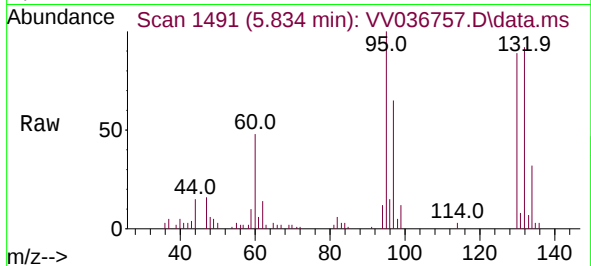


#34  
Trichloroethene  
Concen: 4.168 ug/L  
RT: 5.834 min Scan# 1489  
Delta R.T. 0.006 min  
Lab File: VV036757.D  
Acq: 02 Aug 2024 09:12

Instrument :  
MSVOA\_V  
ClientSampleId :

Tgt Ion: 95 Resp: 17201

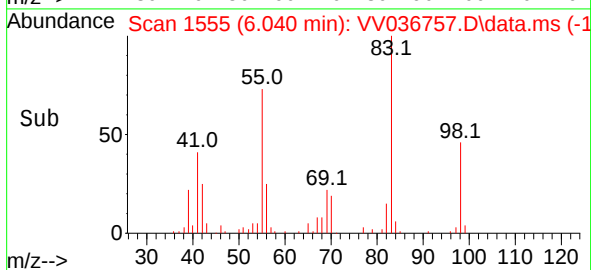
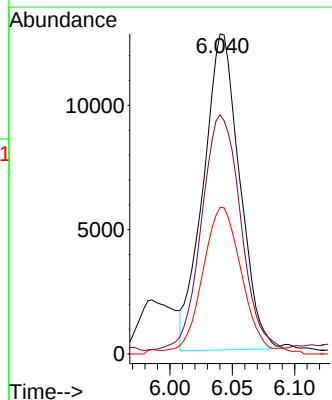
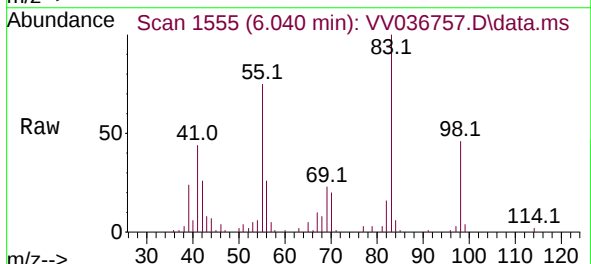
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 97  | 65.2  | 44.7  | 82.9  |
| 132 | 92.2  | 62.9  | 116.9 |
| 130 | 88.6  | 66.5  | 123.5 |

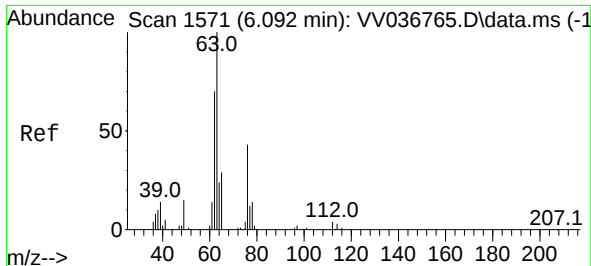


#35  
Methylcyclohexane  
Concen: 4.117 ug/L  
RT: 6.040 min Scan# 1555  
Delta R.T. -0.003 min  
Lab File: VV036757.D  
Acq: 02 Aug 2024 09:12

Tgt Ion: 83 Resp: 25759

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 83  | 100   |       |       |
| 55  | 80.8  | 62.3  | 93.5  |
| 98  | 49.8  | 38.7  | 58.1  |

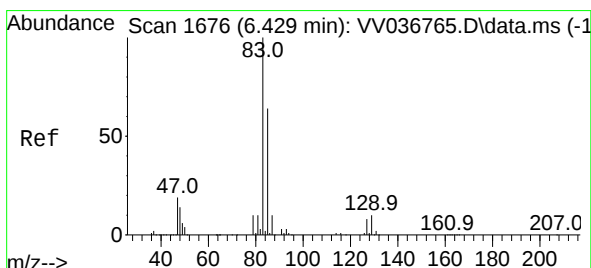
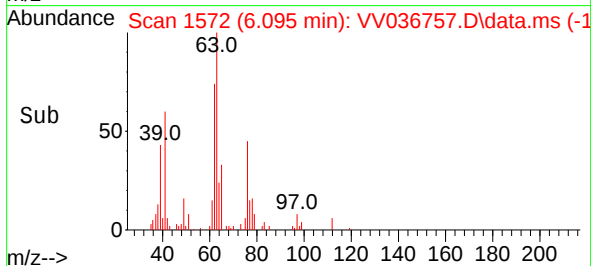
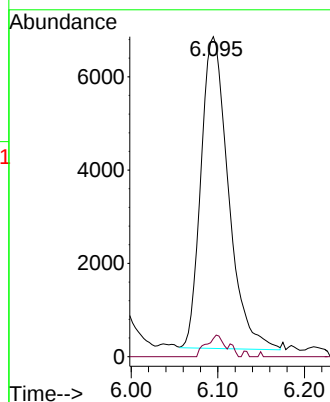
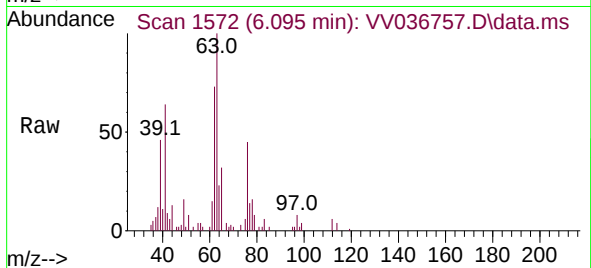




#37  
1,2-Dichloropropane  
Concen: 3.923 ug/L  
RT: 6.095 min Scan# 1571  
Delta R.T. 0.003 min  
Lab File: VV036757.D  
Acq: 02 Aug 2024 09:12

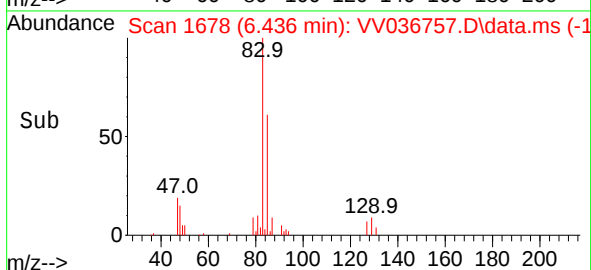
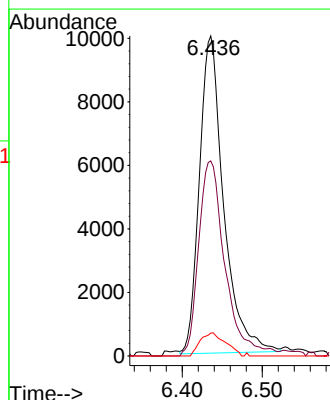
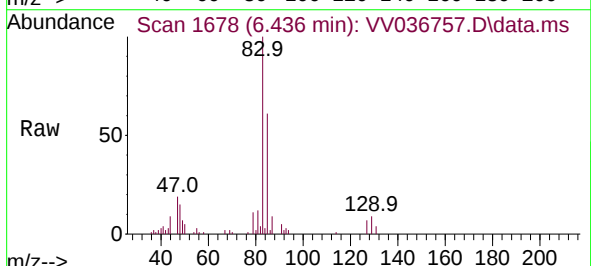
Instrument :  
MSVOA\_V  
ClientSampleId :

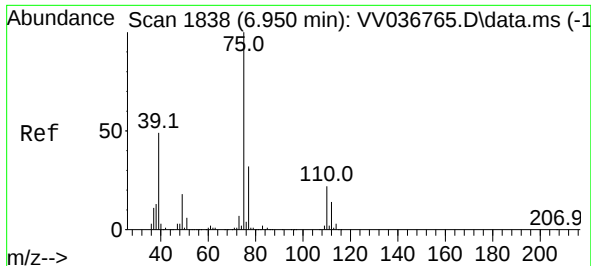
Tgt Ion: 63 Resp: 14706  
Ion Ratio Lower Upper  
63 100  
112 4.3 3.6 5.4



#38  
Bromodichloromethane  
Concen: 4.058 ug/L  
RT: 6.436 min Scan# 1678  
Delta R.T. 0.006 min  
Lab File: VV036757.D  
Acq: 02 Aug 2024 09:12

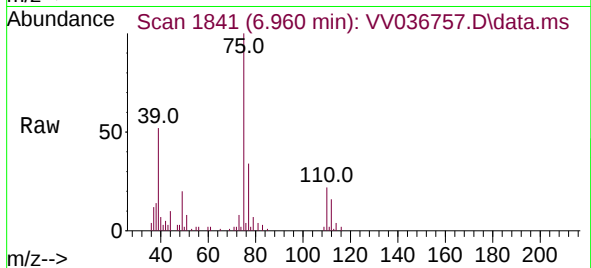
Tgt Ion: 83 Resp: 21102  
Ion Ratio Lower Upper  
83 100  
85 60.9 44.7 83.1  
127 7.2 6.2 9.4



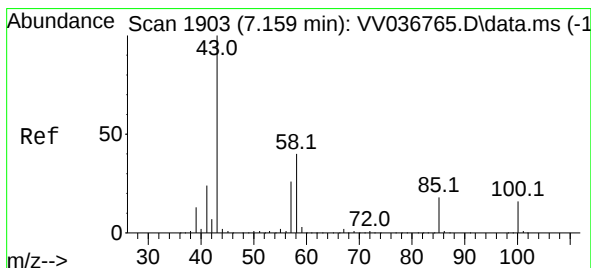
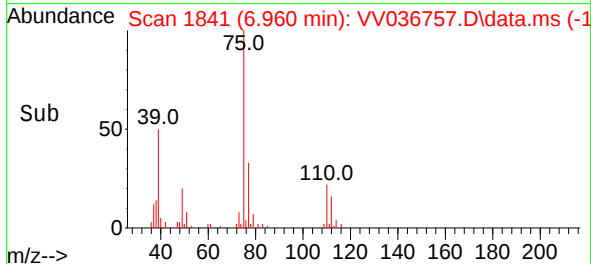
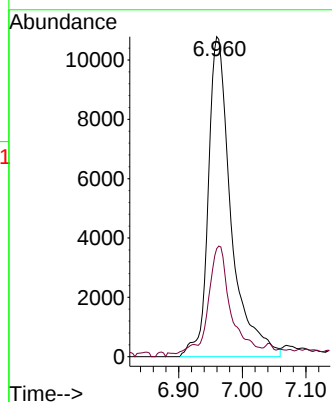


#39  
 cis-1,3-Dichloropropene  
 Concen: 4.134 ug/L  
 RT: 6.960 min Scan# 1838  
 Delta R.T. 0.010 min  
 Lab File: VV036757.D  
 Acq: 02 Aug 2024 09:12

Instrument :  
 MSVOA\_V  
 ClientSampleId :

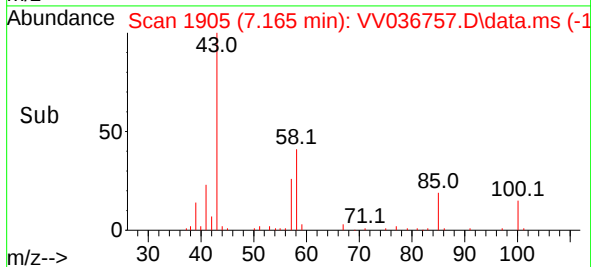
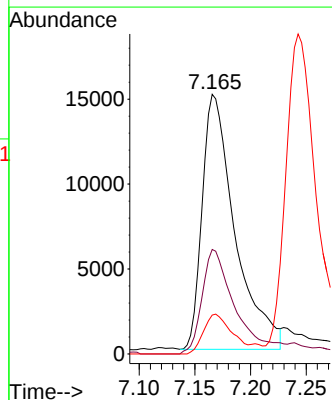
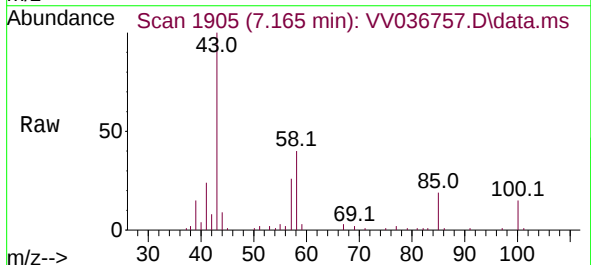


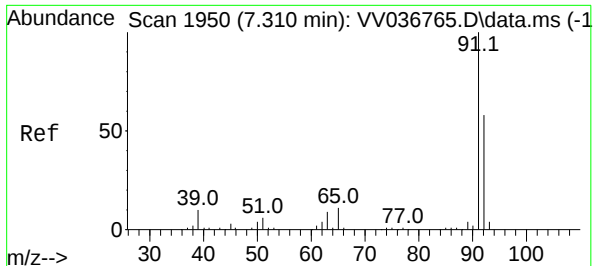
Tgt Ion: 75 Resp: 26934  
 Ion Ratio Lower Upper  
 75 100  
 77 33.7 22.2 41.2



#40  
 4-Methyl-2-pentanone  
 Concen: 6.795 ug/L  
 RT: 7.165 min Scan# 1905  
 Delta R.T. 0.006 min  
 Lab File: VV036757.D  
 Acq: 02 Aug 2024 09:12

Tgt Ion: 43 Resp: 30798  
 Ion Ratio Lower Upper  
 43 100  
 58 40.0 31.3 46.9  
 100 13.5 12.6 18.8





#42

Toluene

Concen: 4.034 ug/L

RT: 7.317 min Scan# 1952

Delta R.T. 0.006 min

Lab File: VV036757.D

Acq: 02 Aug 2024 09:12

Instrument :

MSVOA\_V

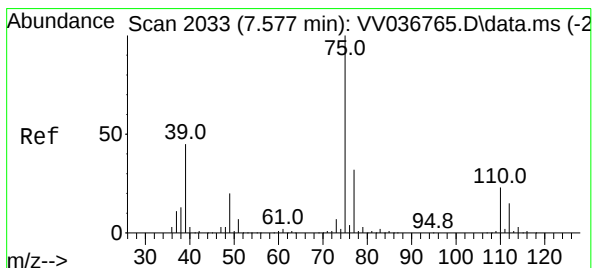
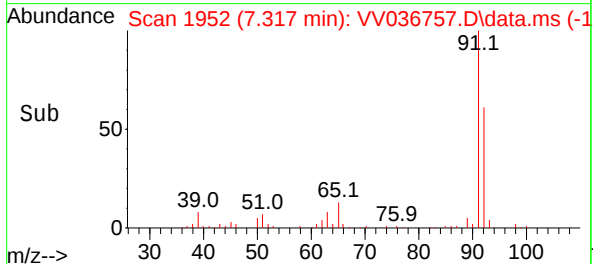
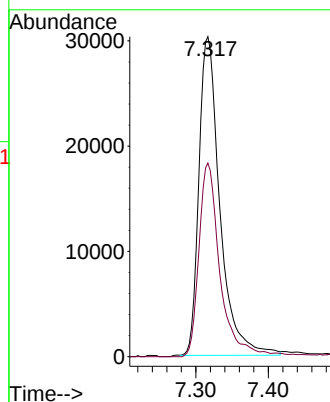
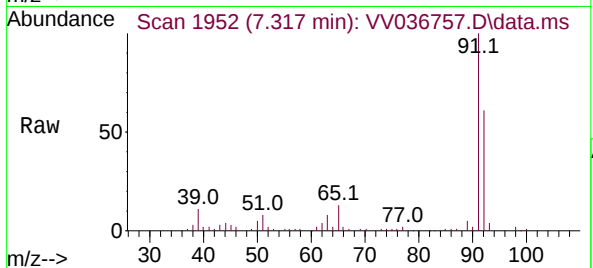
ClientSampleId :

Tgt Ion: 91 Resp: 60773

Ion Ratio Lower Upper

91 100

92 60.5 40.5 75.1



#44

trans-1,3-Dichloropropene

Concen: 3.862 ug/L

RT: 7.590 min Scan# 2037

Delta R.T. 0.013 min

Lab File: VV036757.D

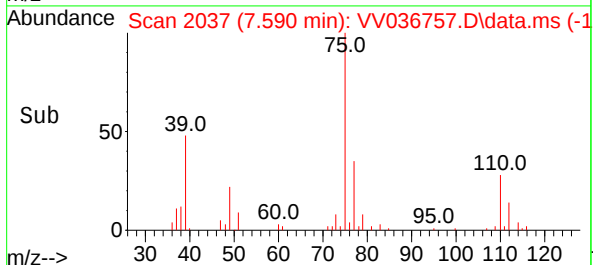
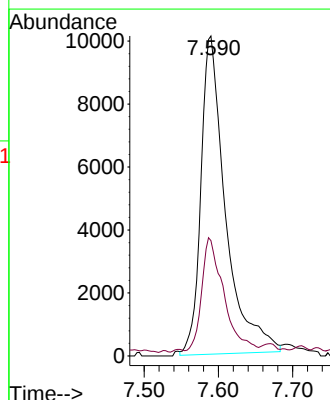
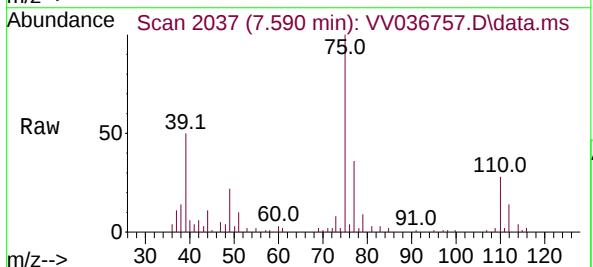
Acq: 02 Aug 2024 09:12

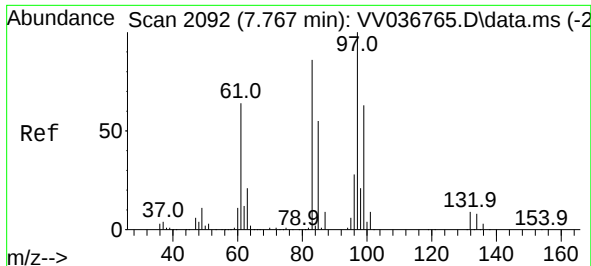
Tgt Ion: 75 Resp: 23329

Ion Ratio Lower Upper

75 100

77 36.1 22.4 41.6

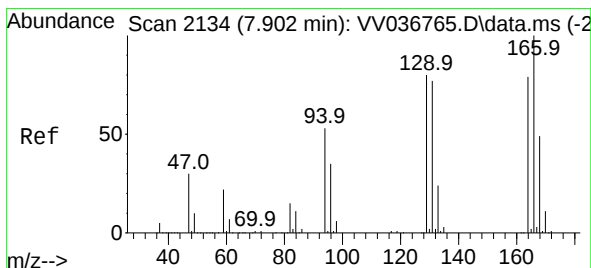
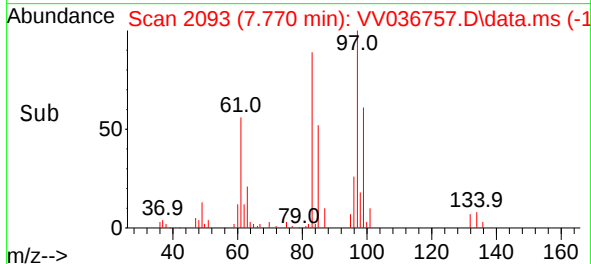
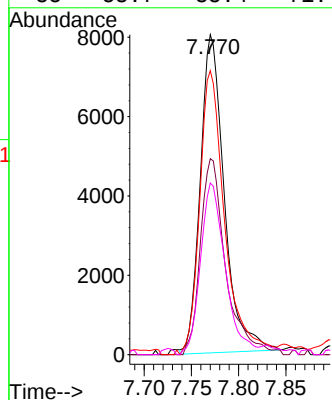
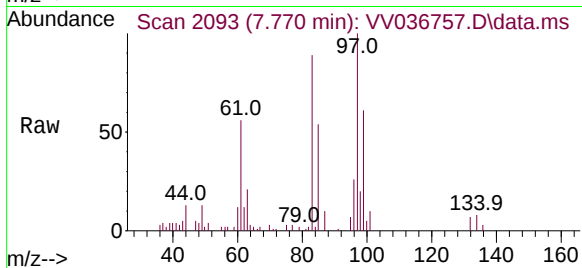




#45  
1,1,2-Trichloroethane  
Concen: 3.943 ug/L  
RT: 7.770 min Scan# 2092  
Delta R.T. 0.003 min  
Lab File: VV036757.D  
Acq: 02 Aug 2024 09:12

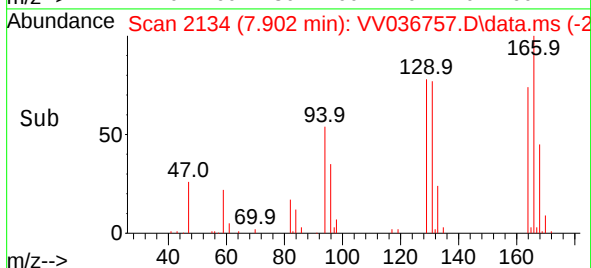
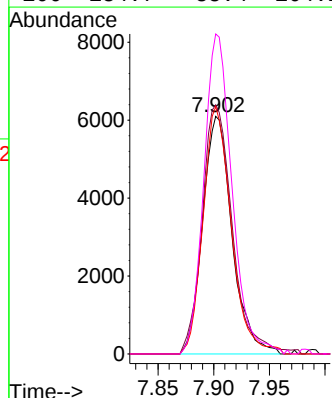
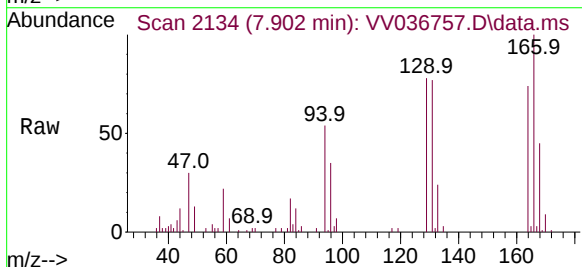
Instrument :  
MSVOA\_V  
ClientSampleId :

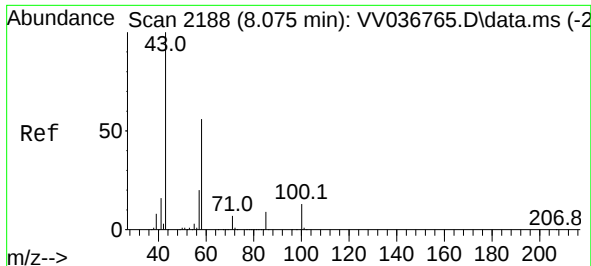
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 14184 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 99       | 61.3  | 44.0  | 81.6  |
| 83       | 88.8  | 60.1  | 111.5 |
| 85       | 53.7  | 38.4  | 71.4  |



#46  
Tetrachloroethene  
Concen: 4.180 ug/L  
RT: 7.902 min Scan# 2134  
Delta R.T. -0.000 min  
Lab File: VV036757.D  
Acq: 02 Aug 2024 09:12

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 164   | Resp: | 11214 |
| Ion      | Ratio | Lower | Upper |
| 164      | 100   |       |       |
| 129      | 104.9 | 70.4  | 130.8 |
| 131      | 104.1 | 67.7  | 125.7 |
| 166      | 134.7 | 88.4  | 164.2 |





#48

2-Hexanone

Concen: 6.787 ug/L

RT: 8.088 min Scan# 2188

Delta R.T. 0.013 min

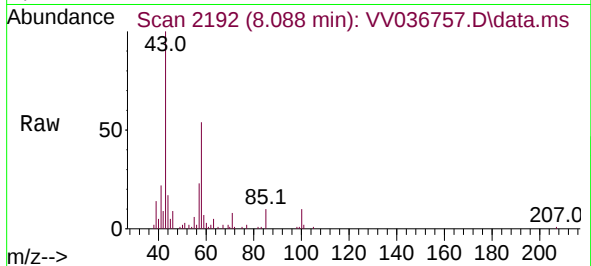
Lab File: VV036757.D

Acq: 02 Aug 2024 09:12

Instrument :

MSVOA\_V

ClientSampleId :



Tgt Ion: 43 Resp: 23168

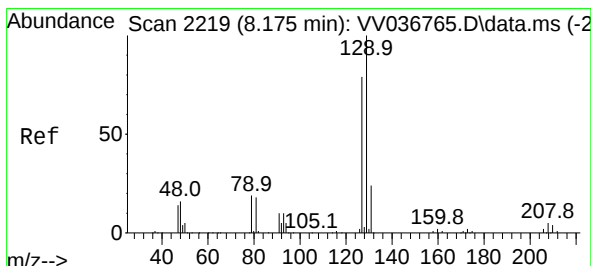
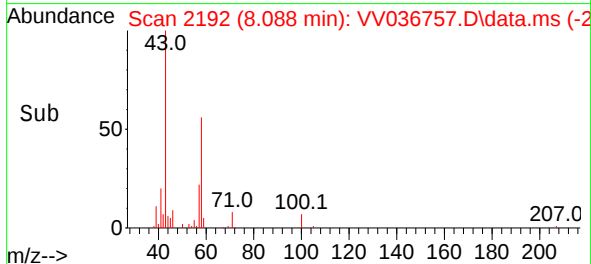
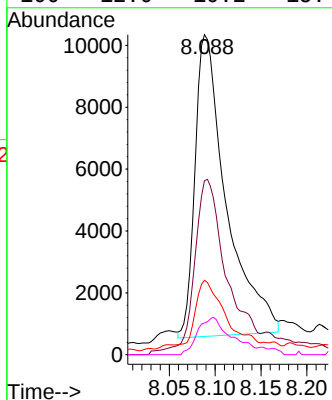
Ion Ratio Lower Upper

43 100

58 56.4 44.7 67.1

57 17.5 15.0 22.4

100 12.0 10.2 15.4



#49

Dibromochloromethane

Concen: 3.928 ug/L

RT: 8.175 min Scan# 2219

Delta R.T. -0.000 min

Lab File: VV036757.D

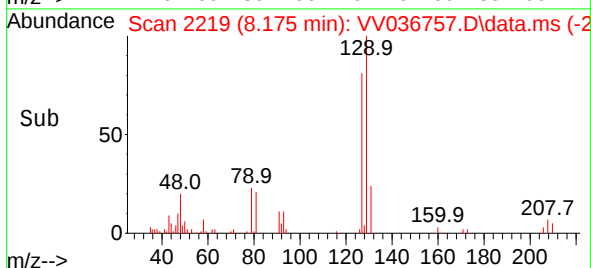
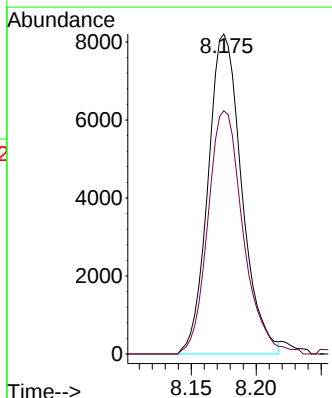
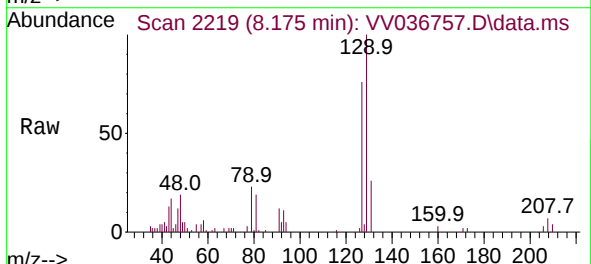
Acq: 02 Aug 2024 09:12

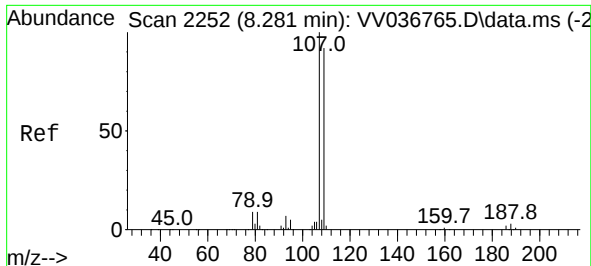
Tgt Ion: 129 Resp: 14817

Ion Ratio Lower Upper

129 100

127 76.0 55.4 102.8





#50

1,2-Dibromoethane

Concen: 4.028 ug/L

RT: 8.284 min Scan# 21

Delta R.T. 0.003 min

Lab File: VV036757.D

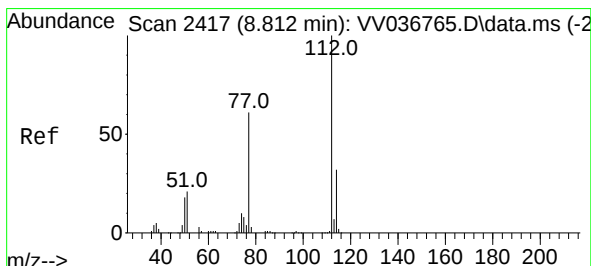
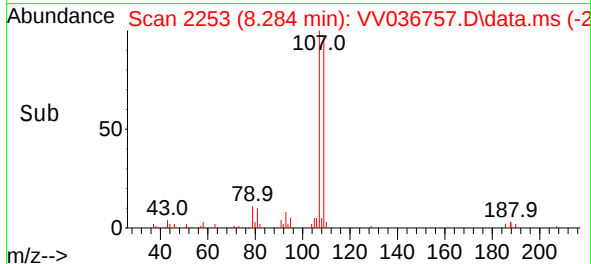
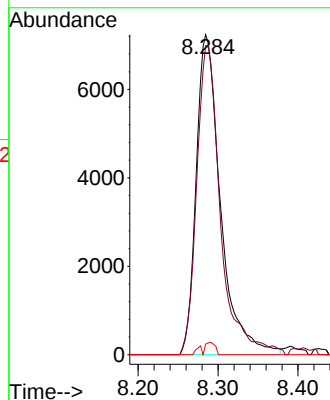
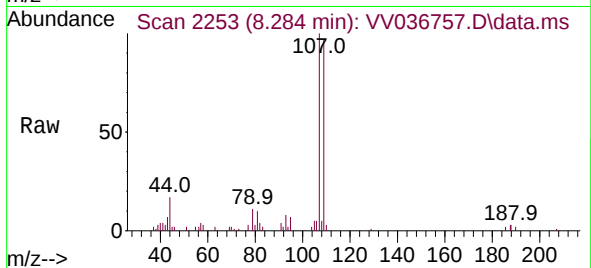
Acq: 02 Aug 2024 09:12

Instrument :

MSVOA\_V

ClientSampleId :

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:107 | Resp: | 15316      |
| Ion Ratio   | Lower | Upper      |
| 107         | 100   |            |
| 109         | 96.5  | 64.7 120.1 |
| 188         | 3.3   | 2.6 3.8    |



#51

Chlorobenzene

Concen: 4.197 ug/L

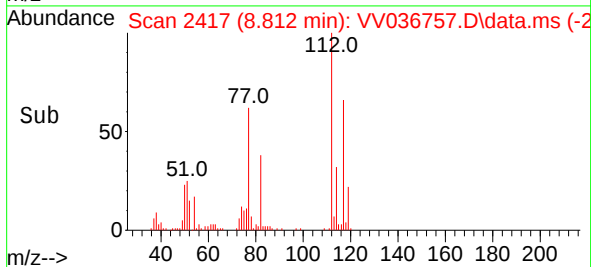
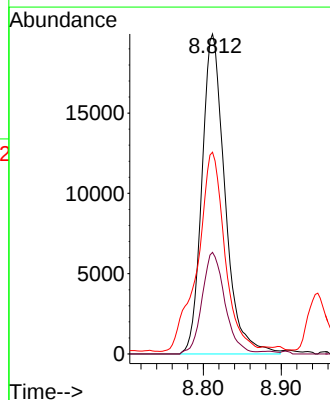
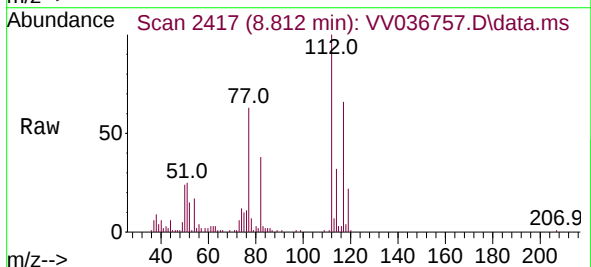
RT: 8.812 min Scan# 2417

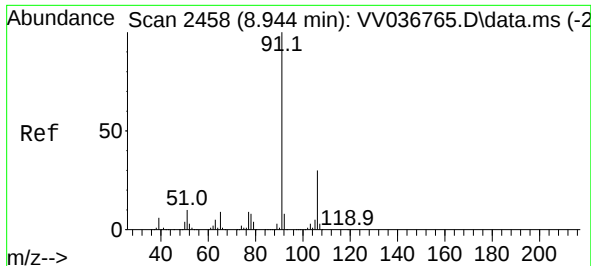
Delta R.T. -0.000 min

Lab File: VV036757.D

Acq: 02 Aug 2024 09:12

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:112 | Resp: | 40946     |
| Ion Ratio   | Lower | Upper     |
| 112         | 100   |           |
| 114         | 31.8  | 22.3 41.5 |
| 77          | 63.1  | 48.9 73.3 |





#52

Ethylbenzene

Concen: 4.108 ug/L

RT: 8.944 min Scan# 2458

Delta R.T. -0.000 min

Lab File: VV036757.D

Acq: 02 Aug 2024 09:12

Instrument :

MSVOA\_V

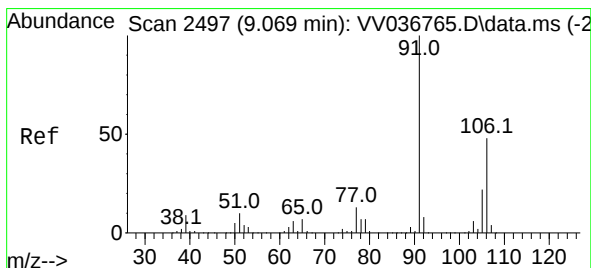
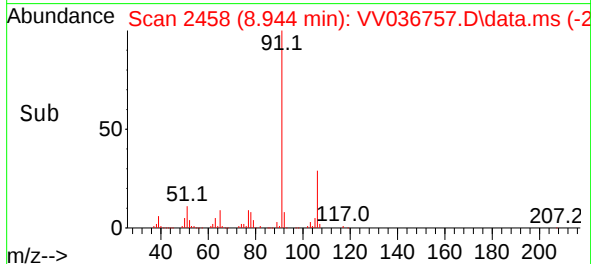
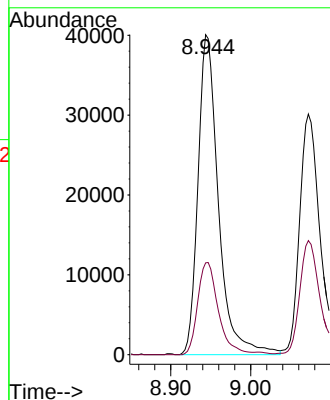
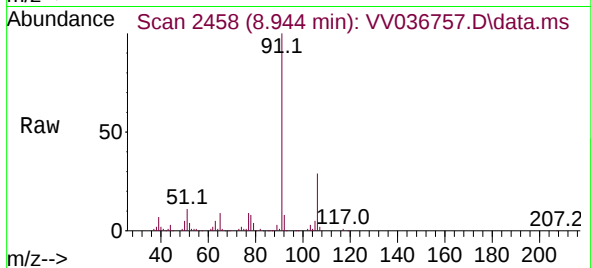
ClientSampleId :

Tgt Ion: 91 Resp: 71369

Ion Ratio Lower Upper

91 100

106 28.7 21.1 39.1



#53

m,p-Xylene

Concen: 3.960 ug/L

RT: 9.072 min Scan# 2498

Delta R.T. 0.003 min

Lab File: VV036757.D

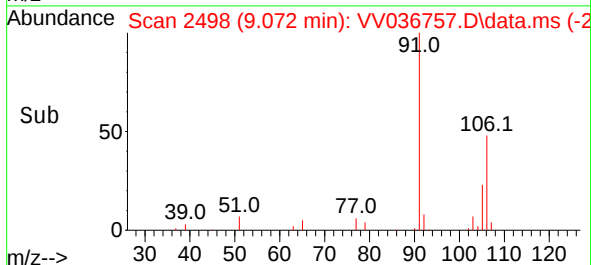
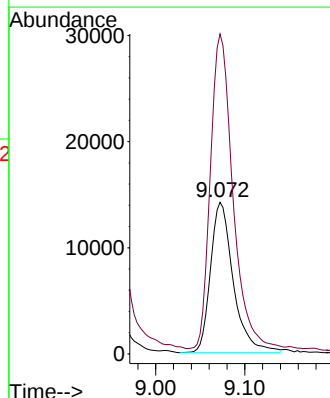
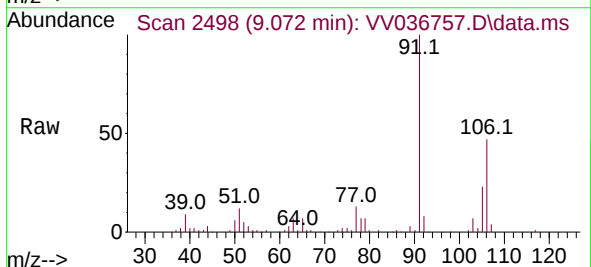
Acq: 02 Aug 2024 09:12

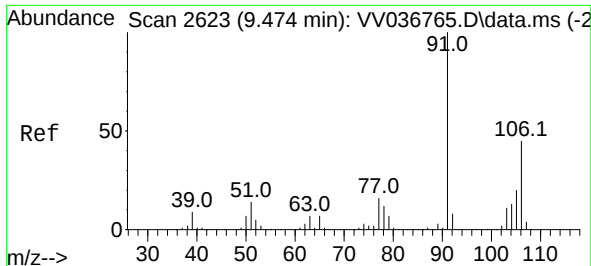
Tgt Ion:106 Resp: 25214

Ion Ratio Lower Upper

106 100

91 211.0 147.1 273.3

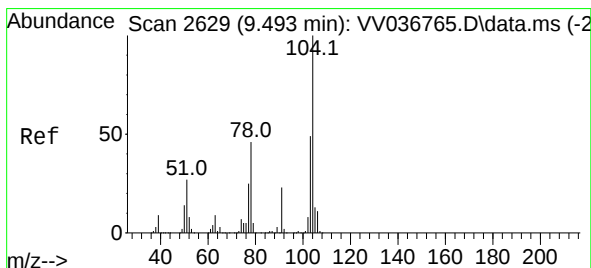
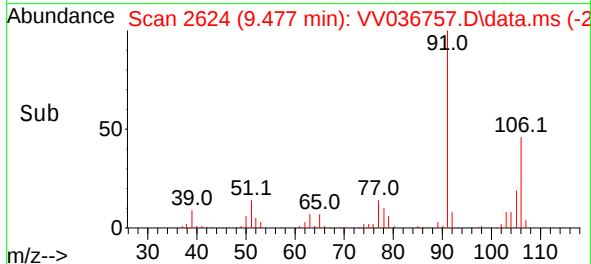
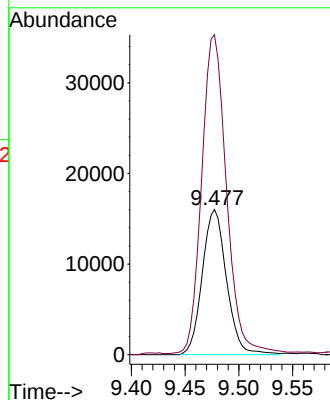
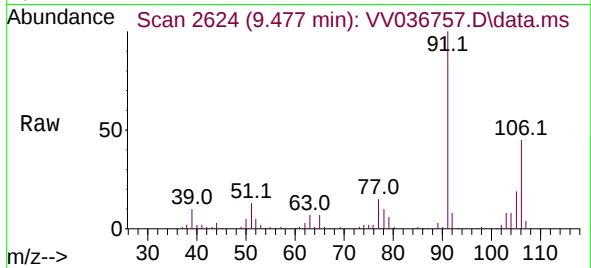




#54  
o-Xylene  
Concen: 3.962 ug/L  
RT: 9.477 min Scan# 2623  
Delta R.T. 0.003 min  
Lab File: VV036757.D  
Acq: 02 Aug 2024 09:12

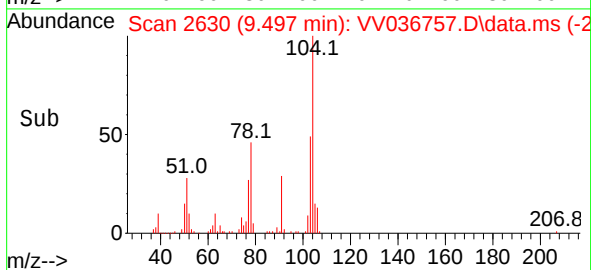
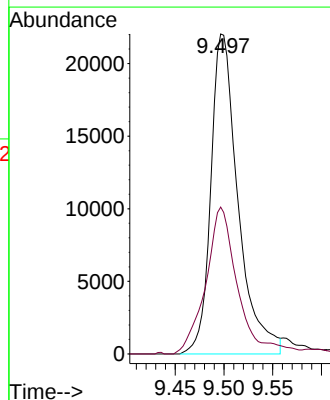
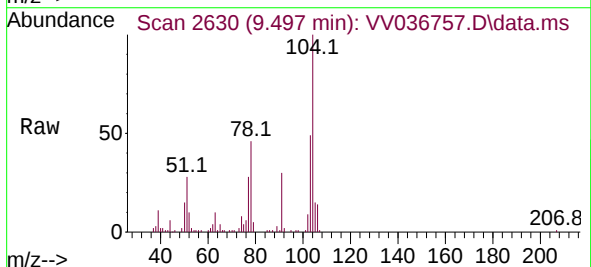
Instrument :  
MSVOA\_V  
ClientSampleId :

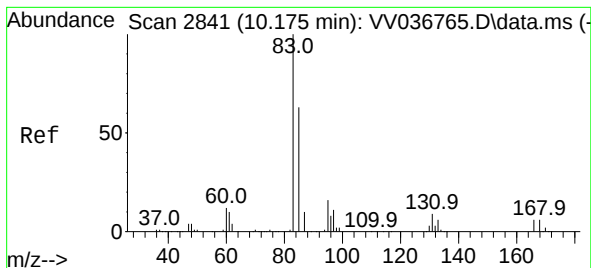
Tgt Ion:106 Resp: 25103  
Ion Ratio Lower Upper  
106 100  
91 220.3 154.5 286.9



#55  
Styrene  
Concen: 3.955 ug/L  
RT: 9.497 min Scan# 2630  
Delta R.T. 0.003 min  
Lab File: VV036757.D  
Acq: 02 Aug 2024 09:12

Tgt Ion:104 Resp: 42880  
Ion Ratio Lower Upper  
104 100  
78 45.9 32.1 59.7





#57

1,1,2,2-Tetrachloroethane

Concen: 3.863 ug/L

RT: 10.175 min Scan# 2841

Delta R.T. -0.000 min

Lab File: VV036757.D

Acq: 02 Aug 2024 09:12

Instrument :

MSVOA\_V

ClientSampleId :

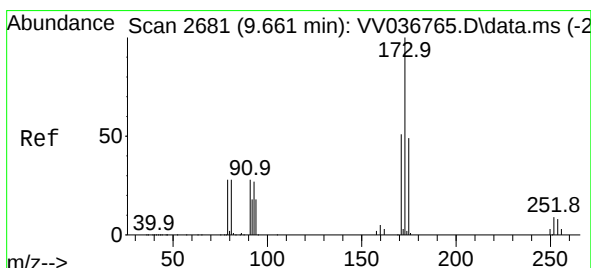
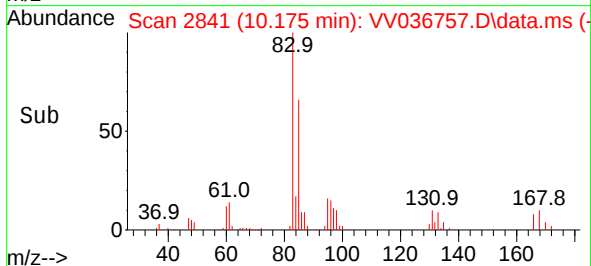
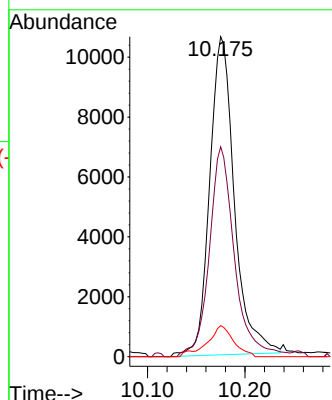
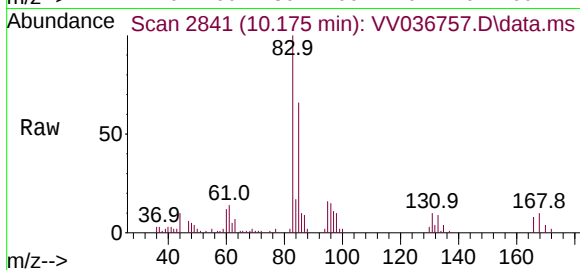
Tgt Ion: 83 Resp: 18672

Ion Ratio Lower Upper

83 100

85 65.6 44.7 83.1

131 9.7 7.2 10.8



#59

Bromoform

Concen: 3.912 ug/L

RT: 9.664 min Scan# 2682

Delta R.T. 0.003 min

Lab File: VV036757.D

Acq: 02 Aug 2024 09:12

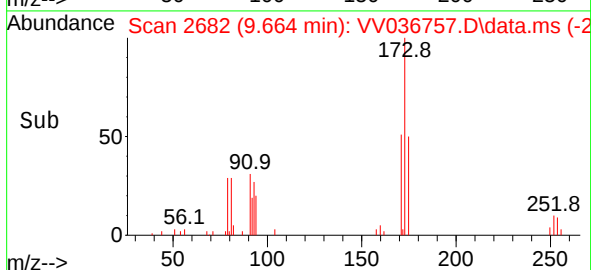
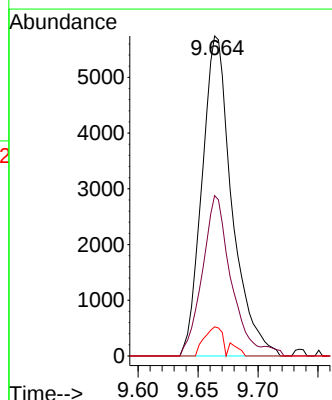
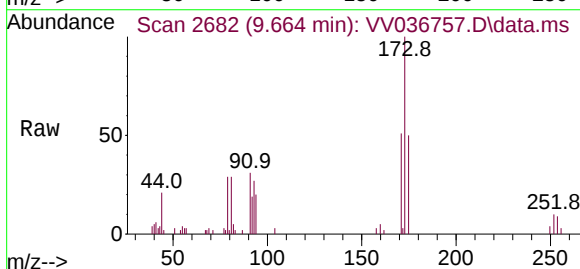
Tgt Ion: 173 Resp: 9968

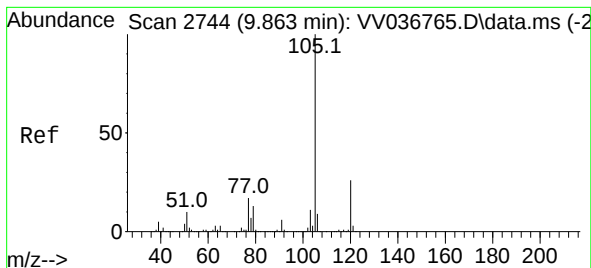
Ion Ratio Lower Upper

173 100

175 47.3 39.8 59.8

254 5.4 6.8 10.2#





#60

Isopropylbenzene

Concen: 4.146 ug/L

RT: 9.863 min Scan# 21

Delta R.T. -0.000 min

Lab File: VV036757.D

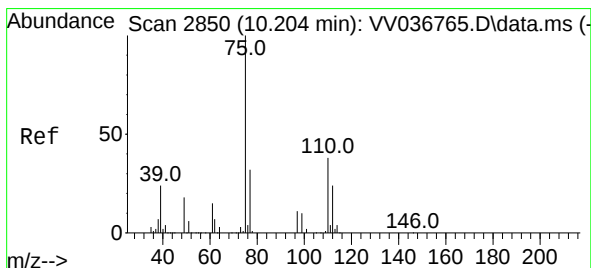
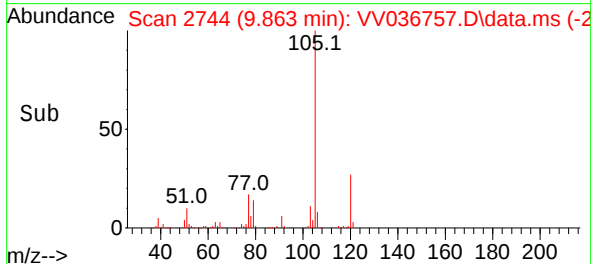
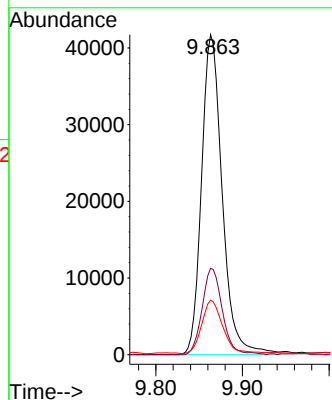
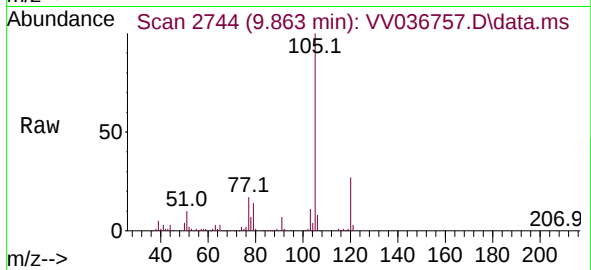
Acq: 02 Aug 2024 09:12

Instrument :

MSVOA\_V

ClientSampleId :

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 105   | Resp: | 69286 |
| Ion      | Ratio | Lower | Upper |
| 105      | 100   |       |       |
| 120      | 25.9  | 20.3  | 30.5  |
| 77       | 16.9  | 13.1  | 19.7  |



#61

1,2,3-Trichloropropane

Concen: 3.815 ug/L

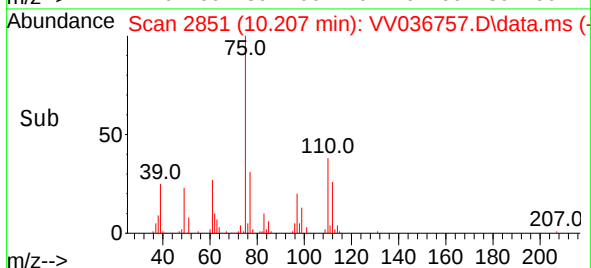
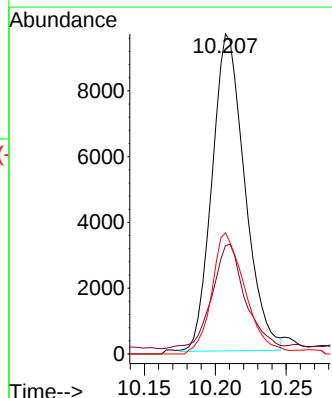
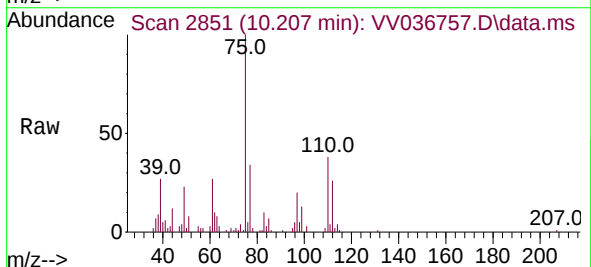
RT: 10.207 min Scan# 2851

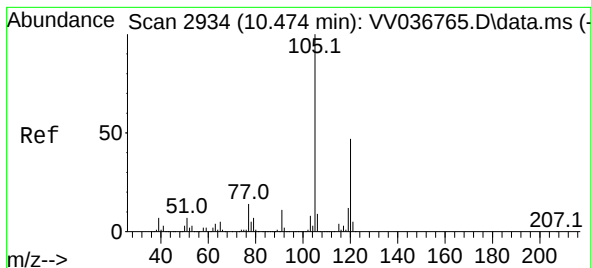
Delta R.T. 0.003 min

Lab File: VV036757.D

Acq: 02 Aug 2024 09:12

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 15492 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 77       | 33.5  | 26.2  | 39.2  |
| 110      | 38.8  | 31.3  | 46.9  |

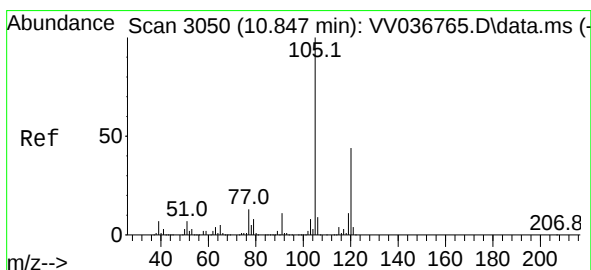
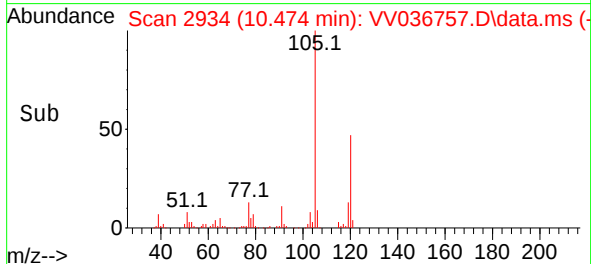
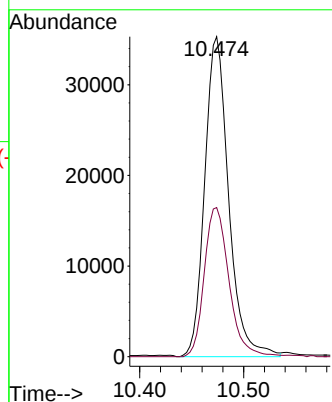
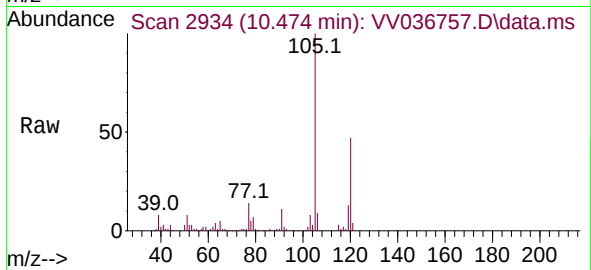




#62  
1,3,5-Trimethylbenzene  
Concen: 4.033 ug/L  
RT: 10.474 min Scan# 2934  
Delta R.T. -0.000 min  
Lab File: VV036757.D  
Acq: 02 Aug 2024 09:12

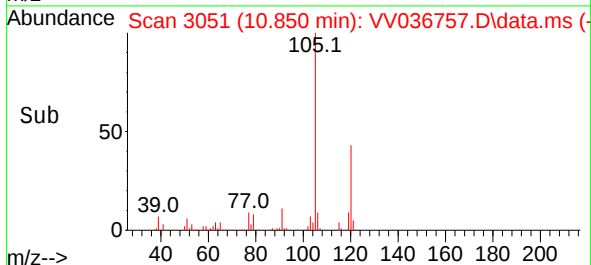
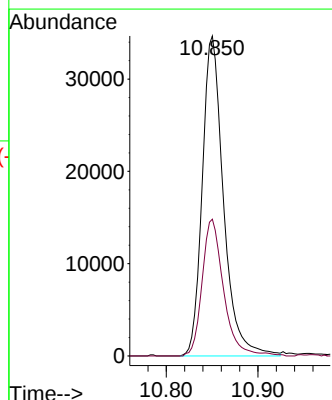
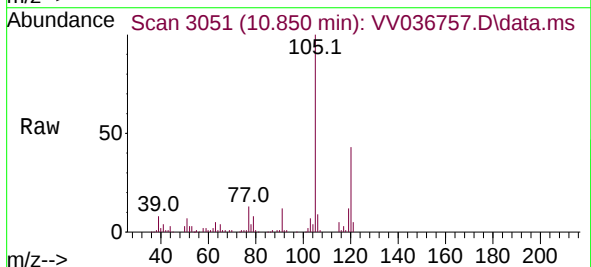
Instrument :  
MSVOA\_V  
ClientSampleId :

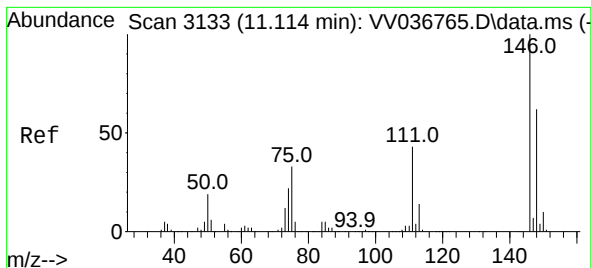
Tgt Ion:105 Resp: 56451  
Ion Ratio Lower Upper  
105 100  
120 48.1 37.7 56.5



#63  
1,2,4-Trimethylbenzene  
Concen: 4.007 ug/L  
RT: 10.850 min Scan# 3051  
Delta R.T. 0.003 min  
Lab File: VV036757.D  
Acq: 02 Aug 2024 09:12

Tgt Ion:105 Resp: 55764  
Ion Ratio Lower Upper  
105 100  
120 42.6 35.6 53.4





#64

1,3-Dichlorobenzene

Concen: 4.275 ug/L

RT: 11.117 min Scan# 3133

Delta R.T. 0.003 min

Lab File: VV036757.D

Acq: 02 Aug 2024 09:12

Instrument :

MSVOA\_V

ClientSampleId :

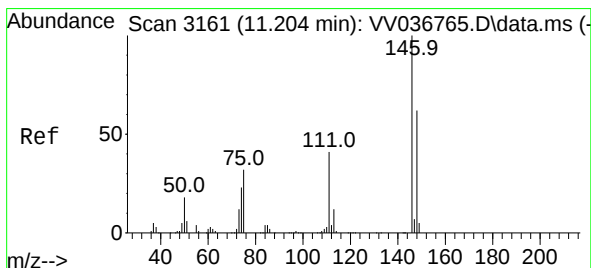
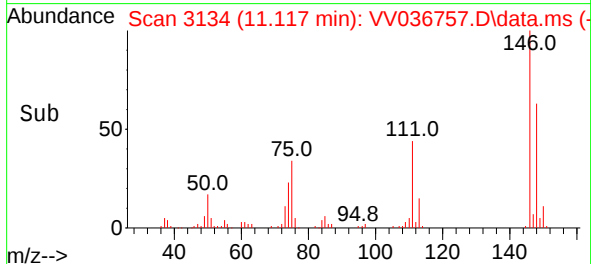
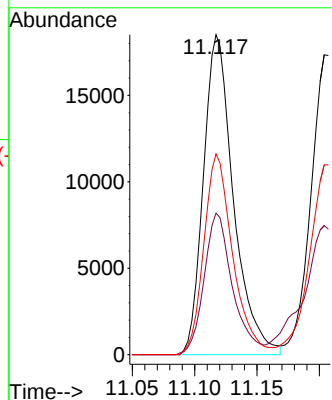
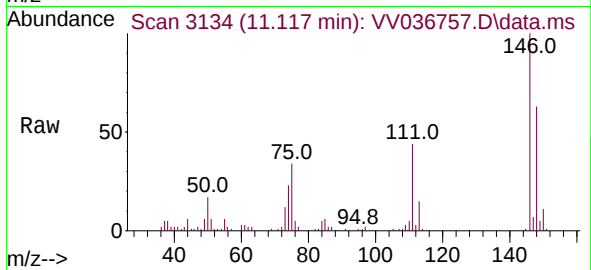
Tgt Ion:146 Resp: 31044

Ion Ratio Lower Upper

146 100

111 44.3 29.8 55.4

148 62.7 43.4 80.6



#65

1,4-Dichlorobenzene

Concen: 4.320 ug/L

RT: 11.204 min Scan# 3161

Delta R.T. -0.000 min

Lab File: VV036757.D

Acq: 02 Aug 2024 09:12

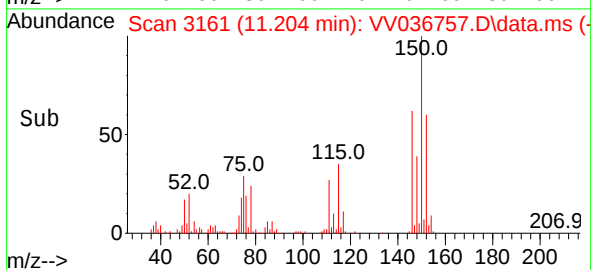
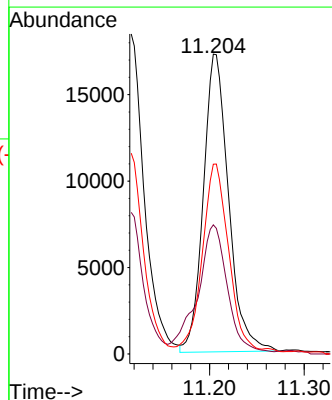
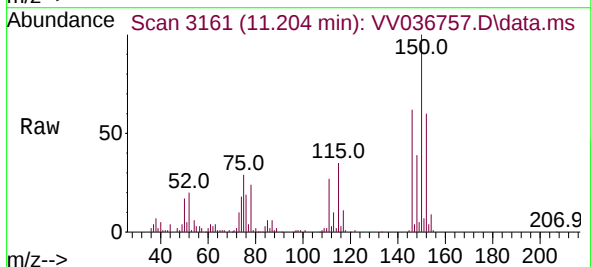
Tgt Ion:146 Resp: 31971

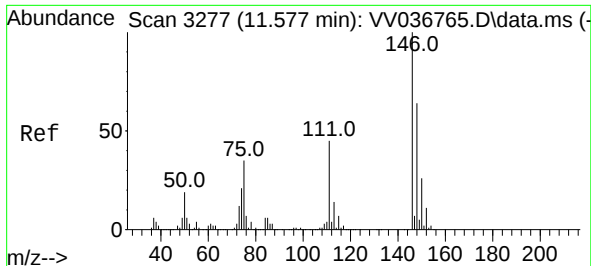
Ion Ratio Lower Upper

146 100

111 43.1 29.0 53.9

148 63.3 43.8 81.4





#67

1,2-Dichlorobenzene

Concen: 4.224 ug/L

RT: 11.577 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV036757.D

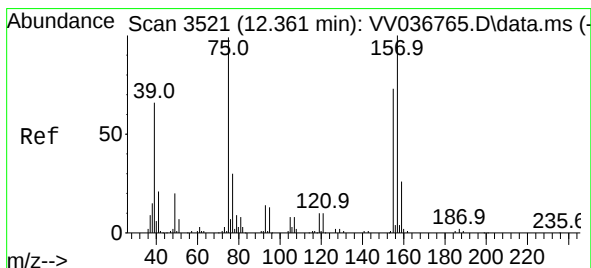
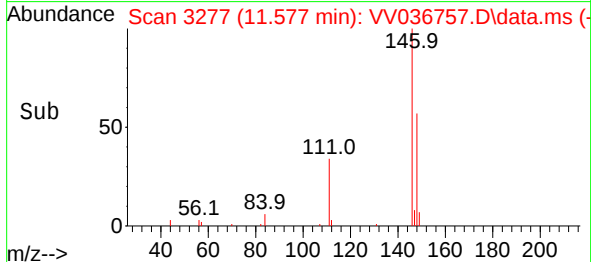
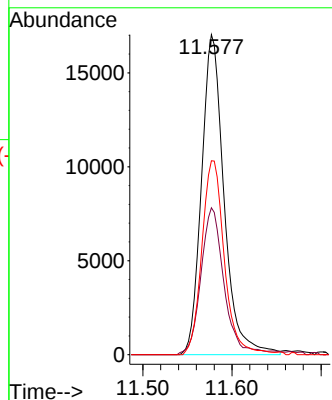
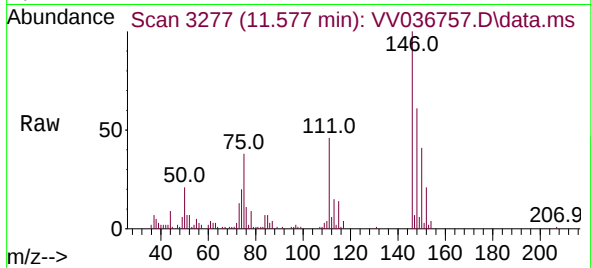
Acq: 02 Aug 2024 09:12

Instrument :

MSVOA\_V

ClientSampleId :

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 146   | Resp: | 29934 |
| Ion      | Ratio | Lower | Upper |
| 146      | 100   |       |       |
| 111      | 45.9  | 35.7  | 53.5  |
| 148      | 60.6  | 51.2  | 76.8  |



#68

1,2-Dibromo-3-chloropropane

Concen: 3.665 ug/L

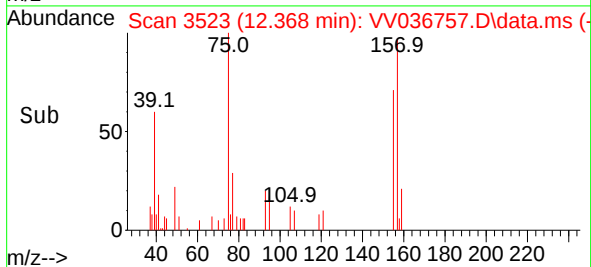
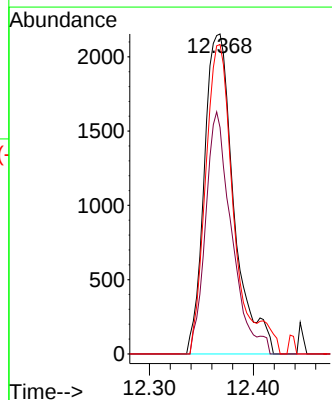
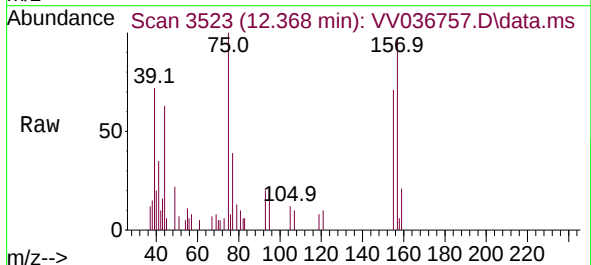
RT: 12.368 min Scan# 3523

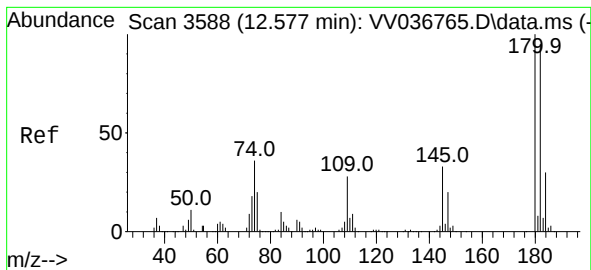
Delta R.T. 0.006 min

Lab File: VV036757.D

Acq: 02 Aug 2024 09:12

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 4259  |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 155      | 70.8  | 59.5  | 89.3  |
| 157      | 96.7  | 81.0  | 121.4 |





#69

1,3,5-Trichlorobenzene

Concen: 4.138 ug/L

RT: 12.583 min Scan# 3590

Delta R.T. 0.006 min

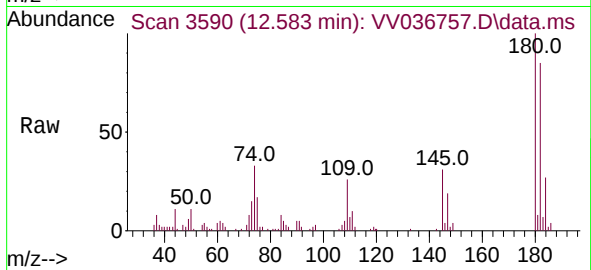
Lab File: VV036757.D

Acq: 02 Aug 2024 09:12

Instrument :

MSVOA\_V

ClientSampleId :



Tgt Ion:180 Resp: 20984

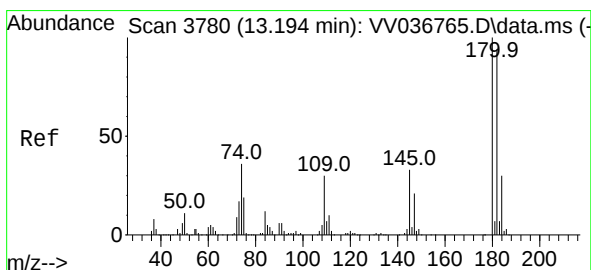
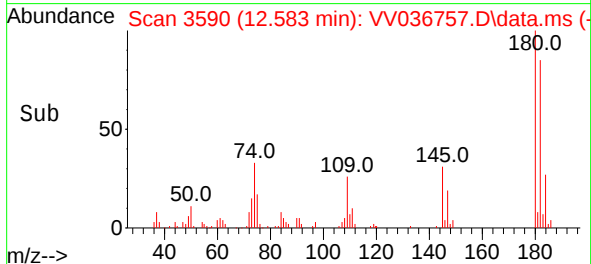
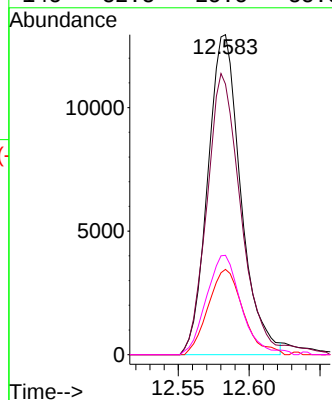
Ion Ratio Lower Upper

180 100

182 89.4 75.0 112.6

184 28.1 23.7 35.5

145 32.3 25.5 38.3



#70

1,2,4-trichlorobenzene

Concen: 4.134 ug/L

RT: 13.197 min Scan# 3781

Delta R.T. 0.003 min

Lab File: VV036757.D

Acq: 02 Aug 2024 09:12

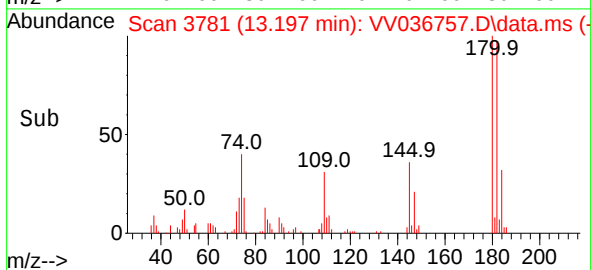
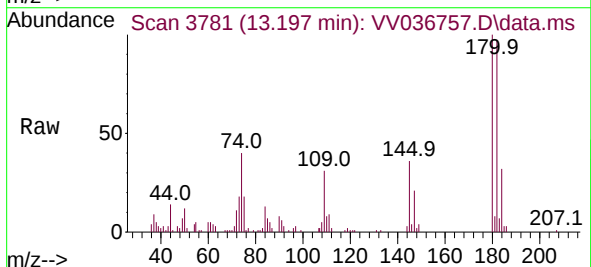
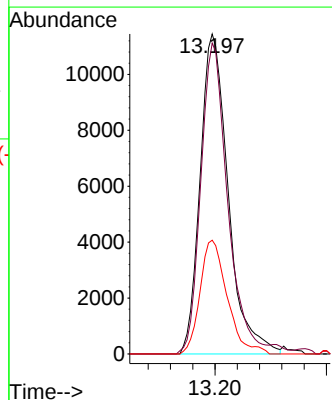
Tgt Ion:180 Resp: 20021

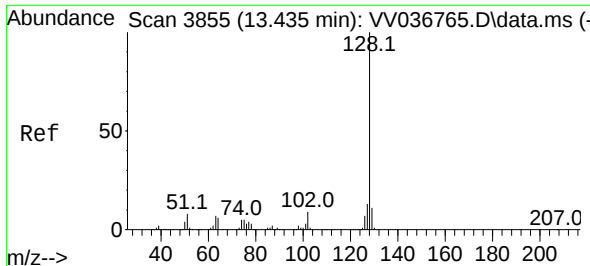
Ion Ratio Lower Upper

180 100

182 92.6 75.1 112.7

145 33.6 26.5 39.7

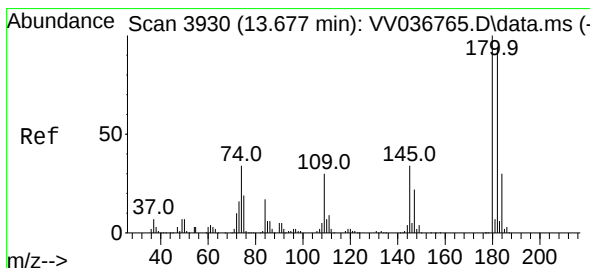
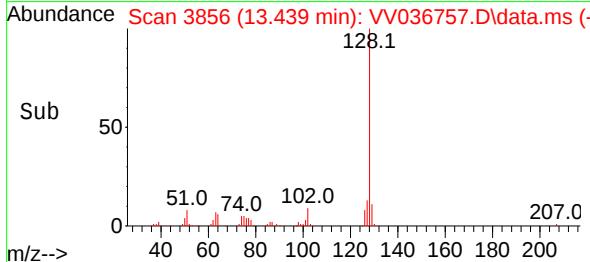
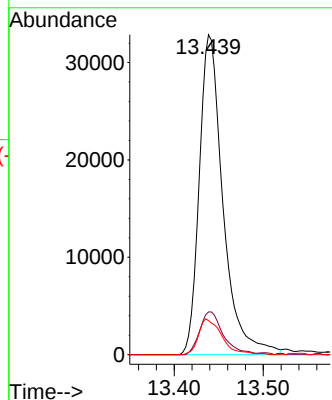
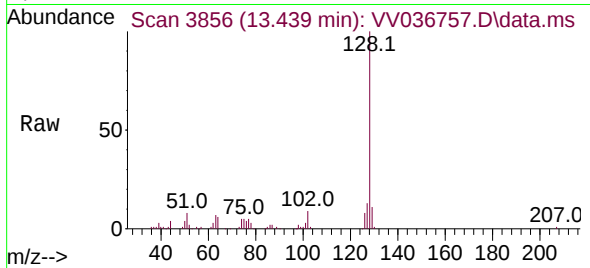




#71  
Naphthalene  
Concen: 4.020 ug/L  
RT: 13.439 min Scan# 3855  
Delta R.T. 0.003 min  
Lab File: VV036757.D  
Acq: 02 Aug 2024 09:12

Instrument :  
MSVOA\_V  
ClientSampleId :

Tgt Ion:128 Resp: 60926  
Ion Ratio Lower Upper  
128 100  
127 13.4 10.5 15.7  
129 10.9 8.7 13.1



#72  
1,2,3-Trichlorobenzene  
Concen: 4.027 ug/L  
RT: 13.680 min Scan# 3931  
Delta R.T. 0.003 min  
Lab File: VV036757.D  
Acq: 02 Aug 2024 09:12

Tgt Ion:180 Resp: 18962  
Ion Ratio Lower Upper  
180 100  
182 94.6 76.2 114.2  
145 35.4 27.8 41.6

