

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV080224\  
 Data File : VV036767.D  
 Acq On : 02 Aug 2024 17:23  
 Operator : SY/MD  
 Sample : VSTD200  
 Misc : 5.00mL/MSVOA\_V/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Aug 02 23:24:20 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        | 5.529  | 114  | 907135   | 50.000  | ug/L  | 0.00     |
| 28) Chlorobenzene-d5          | 8.780  | 117  | 869423   | 50.000  | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.181 | 152  | 448113   | 50.000  | ug/L  | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 4) Vinyl Chloride-d3          | 1.278  | 65   | 774348   | 114.691 | ug/L  | 0.00     |
| 7) Chloroethane-d5            | 1.523  | 69   | 597377   | 111.935 | ug/L  | 0.00     |
| 11) 1,1-Dichloroethene-d2     | 2.053  | 65   | 327486   | 109.680 | ug/L  | 0.00     |
| 21) 2-Butanone-d5             | 3.793  | 46   | 852489   | 275.286 | ug/L  | 0.00     |
| 24) Chloroform-d              | 4.243  | 84   | 1372510  | 109.853 | ug/L  | 0.00     |
| 26) 1,2-Dichloroethane-d4     | 4.937  | 65   | 885961   | 109.942 | ug/L  | 0.00     |
| 32) Benzene-d6                | 4.953  | 84   | 2714427  | 108.013 | ug/L  | 0.00     |
| 36) 1,2-Dichloropropane-d6    | 5.986  | 67   | 876691   | 108.419 | ug/L  | 0.00     |
| 41) Toluene-d8                | 7.239  | 98   | 2529010  | 110.900 | ug/L  | 0.00     |
| 43) trans-1,3-Dichloroprop... | 7.545  | 79   | 474121   | 113.434 | ug/L  | 0.00     |
| 47) 2-Hexanone-d5             | 8.021  | 63   | 586086   | 266.763 | ug/L  | 0.00     |
| 56) 1,1,2,2-Tetrachloroeth... | 10.149 | 84   | 1092028  | 119.963 | ug/L  | 0.00     |
| 66) 1,2-Dichlorobenzene-d4    | 11.558 | 152  | 943171   | 111.127 | ug/L  | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) Dichlorodifluoromethane    | 1.108  | 85   | 797145   | 120.748 | ug/L  | 100      |
| 3) Chloromethane              | 1.220  | 50   | 807014   | 111.340 | ug/L  | 100      |
| 5) Vinyl chloride             | 1.282  | 62   | 819123   | 108.608 | ug/L  | 100      |
| 6) Bromomethane               | 1.471  | 94   | 460451   | 94.342  | ug/L  | 100      |
| 8) Chloroethane               | 1.539  | 64   | 495652   | 104.367 | ug/L  | 98       |
| 9) Trichlorofluoromethane     | 1.706  | 101  | 1036871  | 104.919 | ug/L  | 100      |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.063  | 101  | 602465   | 102.507 | ug/L  | 99       |
| 12) 1,1-Dichloroethene        | 2.066  | 96   | 584048   | 103.916 | ug/L  | 98       |
| 13) Acetone                   | 2.114  | 43   | 544033   | 174.673 | ug/L  | 99       |
| 14) Carbon disulfide          | 2.233  | 76   | 1830660  | 103.332 | ug/L  | 99       |
| 15) Methyl Acetate            | 2.372  | 43   | 682506   | 107.477 | ug/L  | 98       |
| 16) Methylene chloride        | 2.442  | 84   | 633364   | 99.612  | ug/L  | 99       |
| 17) trans-1,2-Dichloroethene  | 2.687  | 96   | 606541   | 103.746 | ug/L  | 99       |
| 18) Methyl tert-butyl Ether   | 2.706  | 73   | 2090486  | 102.042 | ug/L  | 100      |
| 19) 1,1-Dichloroethane        | 3.101  | 63   | 1199218  | 101.631 | ug/L  | 99       |
| 20) cis-1,2-Dichloroethene    | 3.806  | 96   | 711332   | 102.790 | ug/L  | 98       |
| 22) 2-Butanone                | 3.873  | 43   | 877309   | 224.146 | ug/L  | 98       |
| 23) Bromochloromethane        | 4.137  | 128  | 343395   | 102.759 | ug/L  | 98       |
| 25) Chloroform                | 4.269  | 83   | 1239352  | 101.058 | ug/L  | 99       |
| 27) 1,2-Dichloroethane        | 5.037  | 62   | 996602   | 104.867 | ug/L  | 100      |
| 29) Cyclohexane               | 4.571  | 56   | 1128541  | 103.590 | ug/L  | 99       |
| 30) 1,1,1-Trichloroethane     | 4.503  | 97   | 1089187  | 101.026 | ug/L  | 100      |
| 31) Carbon tetrachloride      | 4.725  | 117  | 938925   | 103.594 | ug/L  | 100      |
| 33) Benzene                   | 5.002  | 78   | 2632017  | 102.676 | ug/L  | 100      |
| 34) Trichloroethene           | 5.825  | 95   | 739600   | 99.517  | ug/L  | 99       |
| 35) Methylcyclohexane         | 6.043  | 83   | 1156631  | 102.673 | ug/L  | 100      |
| 37) 1,2-Dichloropropane       | 6.088  | 63   | 712335   | 105.538 | ug/L  | 99       |
| 38) Bromodichloromethane      | 6.429  | 83   | 967052   | 103.286 | ug/L  | 100      |
| 39) cis-1,3-Dichloropropene   | 6.947  | 75   | 1208793  | 103.029 | ug/L  | 100      |
| 40) 4-Methyl-2-pentanone      | 7.159  | 43   | 1788883  | 219.188 | ug/L  | 98       |
| 42) Toluene                   | 7.310  | 91   | 2827774  | 104.238 | ug/L  | 99       |
| 44) trans-1,3-Dichloropropene | 7.577  | 75   | 1152007  | 105.926 | ug/L  | 99       |

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 Sample : VSTD200  
 Misc : 5.00mL/MSVOA\_V/WATER  
 ALS Vial : 9 Sample Multiplier: 1

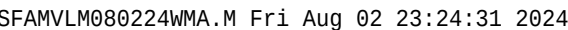
Instrument :  
 MSVOA\_V  
 ClientSampleId :

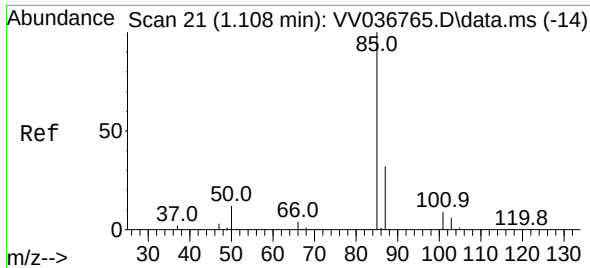
Quant Time: Aug 02 23:24:20 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM080224WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Aug 02 23:21:18 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 45) 1,1,2-Trichloroethane     | 7.764  | 97   | 669970   | 103.444 | ug/L  | 99       |
| 46) Tetrachloroethene         | 7.902  | 164  | 502922   | 104.114 | ug/L  | 99       |
| 48) 2-Hexanone                | 8.072  | 43   | 1347030  | 219.139 | ug/L  | 99       |
| 49) Dibromochloromethane      | 8.172  | 129  | 719863   | 105.974 | ug/L  | 98       |
| 50) 1,2-Dibromoethane         | 8.278  | 107  | 719484   | 105.078 | ug/L  | 98       |
| 51) Chlorobenzene             | 8.809  | 112  | 1810819  | 103.083 | ug/L  | 99       |
| 52) Ethylbenzene              | 8.940  | 91   | 3256677  | 104.113 | ug/L  | 99       |
| 53) m,p-Xylene                | 9.069  | 106  | 1230208  | 107.311 | ug/L  | 99       |
| 54) o-Xylene                  | 9.474  | 106  | 1202321  | 105.389 | ug/L  | 99       |
| 55) Styrene                   | 9.490  | 104  | 2101917  | 107.661 | ug/L  | 97       |
| 57) 1,1,2,2-Tetrachloroethane | 10.175 | 83   | 992914   | 114.071 | ug/L  | 99       |
| 59) Bromoform                 | 9.661  | 173  | 523347   | 107.803 | ug/L  | 98       |
| 60) Isopropylbenzene          | 9.863  | 105  | 3249918  | 102.077 | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 10.204 | 75   | 821399   | 106.149 | ug/L  | 98       |
| 62) 1,3,5-Trimethylbenzene    | 10.474 | 105  | 2764255  | 103.640 | ug/L  | 98       |
| 63) 1,2,4-Trimethylbenzene    | 10.847 | 105  | 2781556  | 104.907 | ug/L  | 100      |
| 64) 1,3-Dichlorobenzene       | 11.114 | 146  | 1426034  | 103.077 | ug/L  | 98       |
| 65) 1,4-Dichlorobenzene       | 11.204 | 146  | 1443551  | 102.365 | ug/L  | 99       |
| 67) 1,2-Dichlorobenzene       | 11.574 | 146  | 1386001  | 102.660 | ug/L  | 100      |
| 68) 1,2-Dibromo-3-chloropr... | 12.358 | 75   | 245371   | 110.819 | ug/L  | 98       |
| 69) 1,3,5-Trichlorobenzene    | 12.577 | 180  | 1018697  | 105.436 | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.194 | 180  | 973015   | 105.447 | ug/L  | 99       |
| 71) Naphthalene               | 13.432 | 128  | 3145457  | 108.916 | ug/L  | 100      |
| 72) 1,2,3-Trichlorobenzene    | 13.677 | 180  | 949657   | 105.862 | ug/L  | 100      |

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

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Response via : Initial Calibration

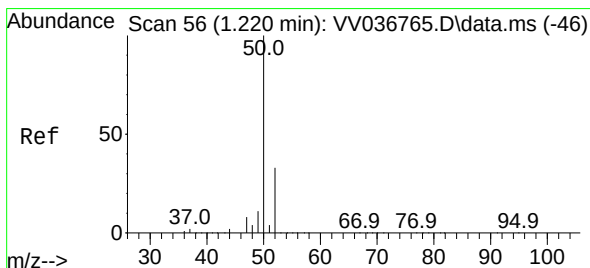
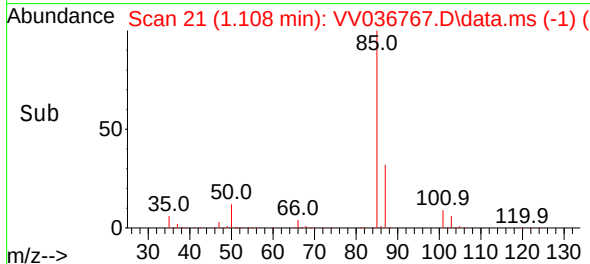
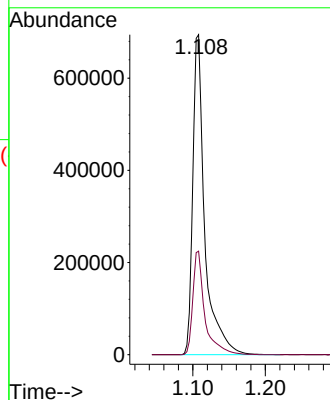
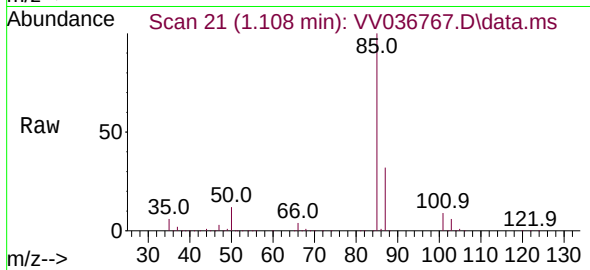




#2  
 Dichlorodifluoromethane  
 Concen: 120.748 ug/L  
 RT: 1.108 min Scan# 21  
 Delta R.T. 0.000 min  
 Lab File: VV036767.D  
 Acq: 02 Aug 2024 17:23

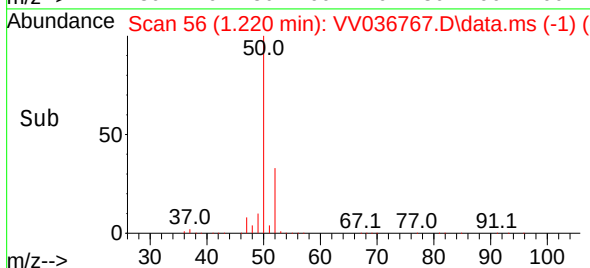
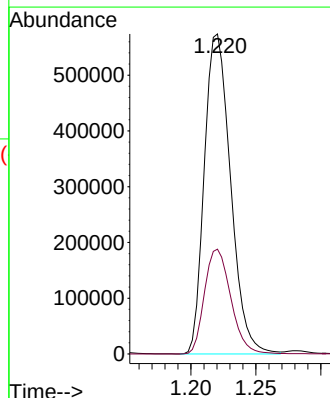
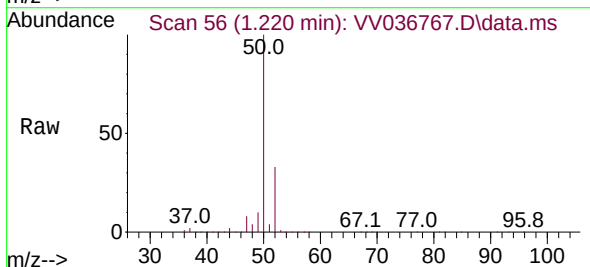
Instrument :  
 MSVOA\_V  
 ClientSampleId :

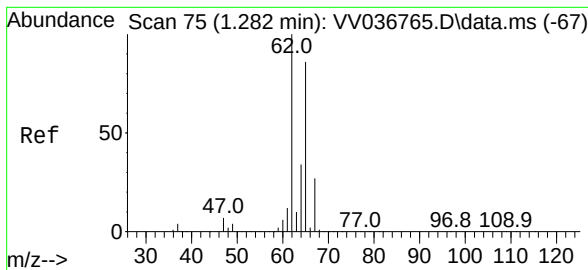
Tgt Ion: 85 Resp: 797145  
 Ion Ratio Lower Upper  
 85 100  
 87 32.3 25.9 38.9



#3  
 Chloromethane  
 Concen: 111.340 ug/L  
 RT: 1.220 min Scan# 56  
 Delta R.T. 0.000 min  
 Lab File: VV036767.D  
 Acq: 02 Aug 2024 17:23

Tgt Ion: 50 Resp: 807014  
 Ion Ratio Lower Upper  
 50 100  
 52 32.7 23.0 42.8

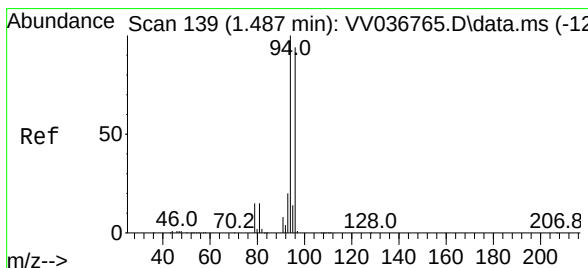
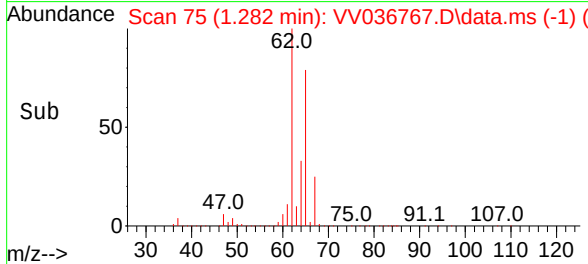
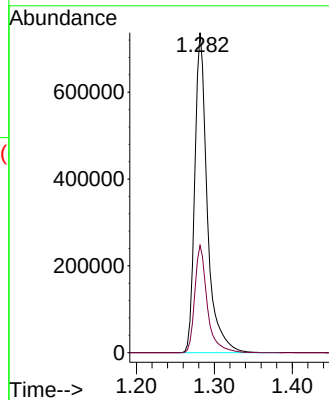
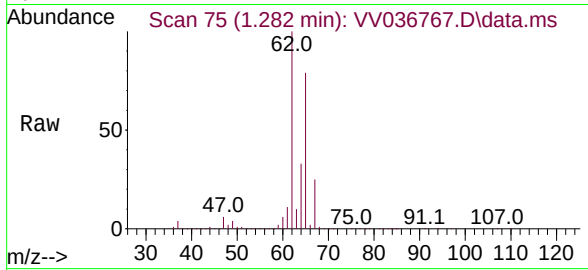




#5  
Vinyl chloride  
Concen: 108.608 ug/L  
RT: 1.282 min Scan# 75  
Delta R.T. 0.000 min  
Lab File: VV036767.D  
Acq: 02 Aug 2024 17:23

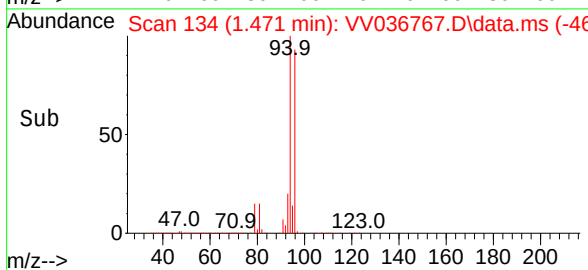
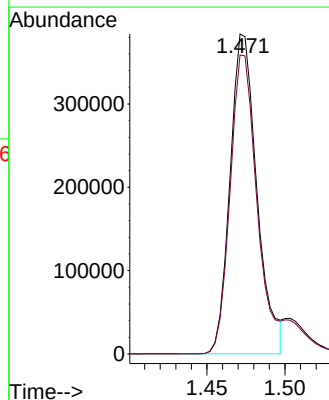
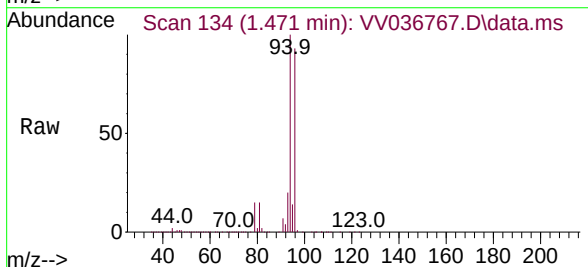
Instrument :  
MSVOA\_V  
ClientSampleId :

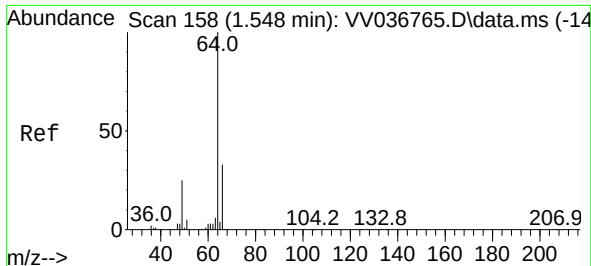
Tgt Ion: 62 Resp: 819123  
Ion Ratio Lower Upper  
62 100  
64 33.5 23.6 43.8



#6  
Bromomethane  
Concen: 94.342 ug/L  
RT: 1.471 min Scan# 134  
Delta R.T. -0.016 min  
Lab File: VV036767.D  
Acq: 02 Aug 2024 17:23

Tgt Ion: 94 Resp: 460451  
Ion Ratio Lower Upper  
94 100  
96 93.5 65.5 121.7

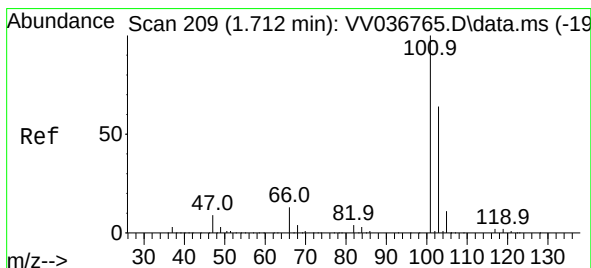
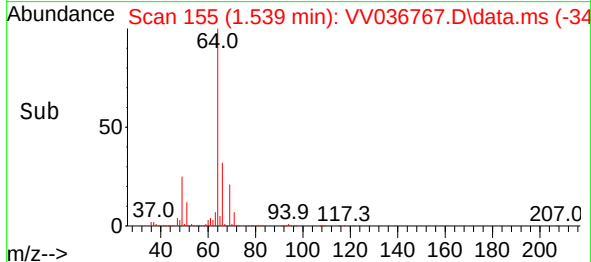
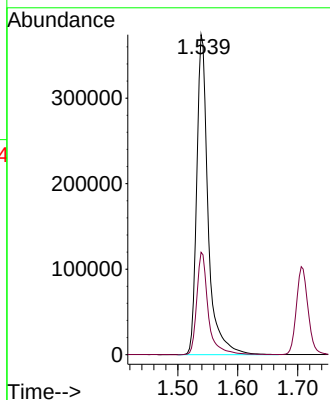
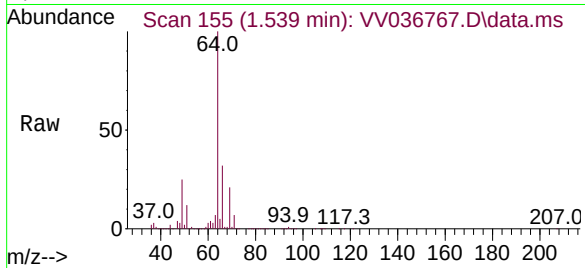




#8  
Chloroethane  
Concen: 104.367 ug/L  
RT: 1.539 min Scan# 11  
Delta R.T. -0.010 min  
Lab File: VV036767.D  
Acq: 02 Aug 2024 17:23

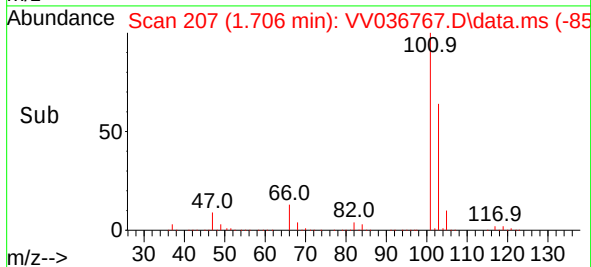
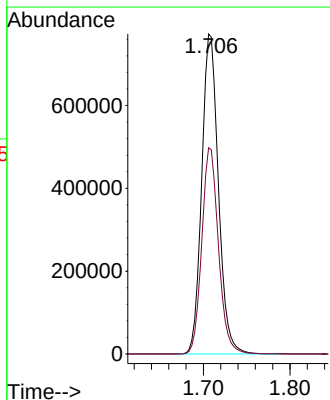
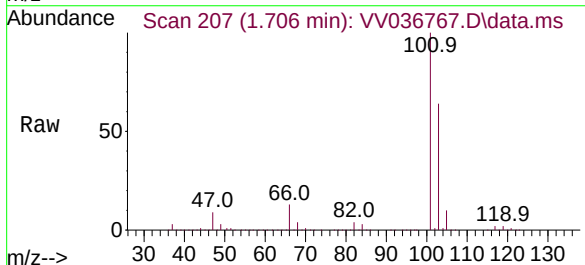
Instrument :  
MSVOA\_V  
ClientSampleId :

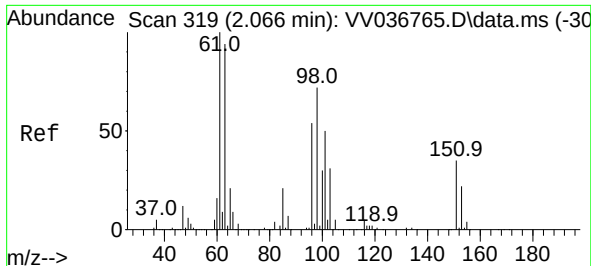
Tgt Ion: 64 Resp: 495652  
Ion Ratio Lower Upper  
64 100  
66 32.0 23.2 43.0



#9  
Trichlorofluoromethane  
Concen: 104.919 ug/L  
RT: 1.706 min Scan# 207  
Delta R.T. -0.006 min  
Lab File: VV036767.D  
Acq: 02 Aug 2024 17:23

Tgt Ion:101 Resp: 1036871  
Ion Ratio Lower Upper  
101 100  
103 64.4 51.4 77.0





#10

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

Concen: 102.507 ug/L

RT: 2.063 min Scan# 319

Delta R.T. -0.003 min

Lab File: VV036767.D

Acq: 02 Aug 2024 17:23

Instrument :

MSVOA\_V

ClientSampleId :

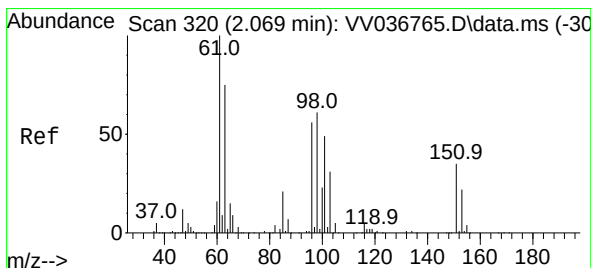
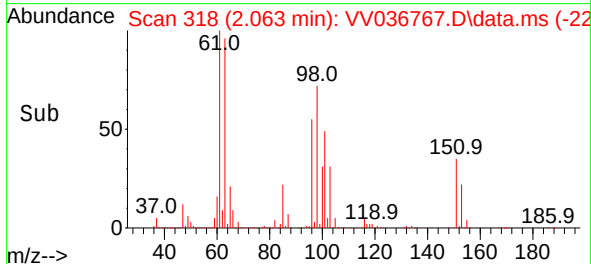
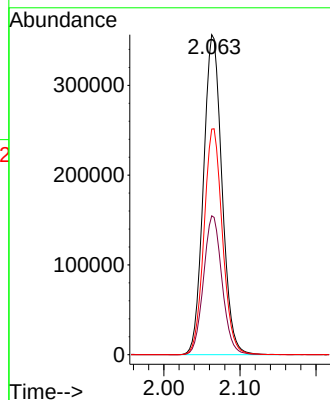
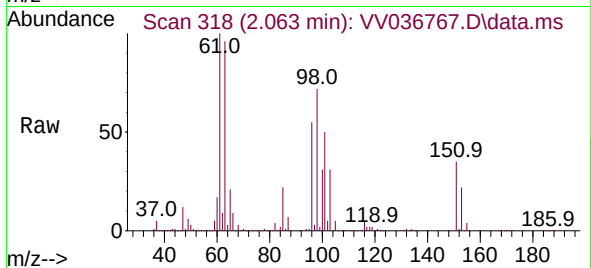
Tgt Ion:101 Resp: 602465

Ion Ratio Lower Upper

101 100

85 43.5 34.6 51.8

151 70.4 55.9 83.9



#12

1,1-Dichloroethene

Concen: 103.916 ug/L

RT: 2.066 min Scan# 319

Delta R.T. -0.003 min

Lab File: VV036767.D

Acq: 02 Aug 2024 17:23

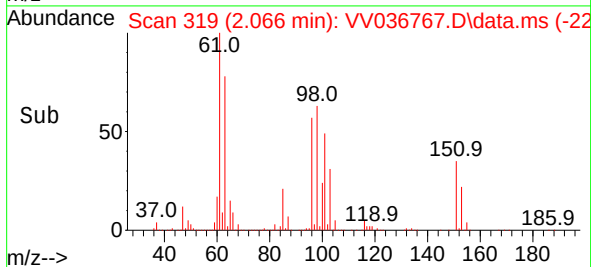
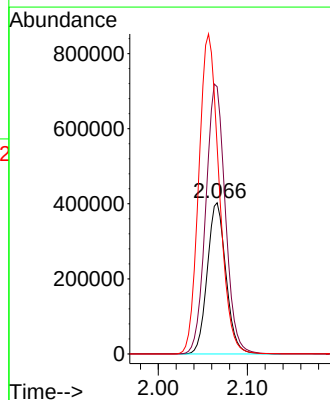
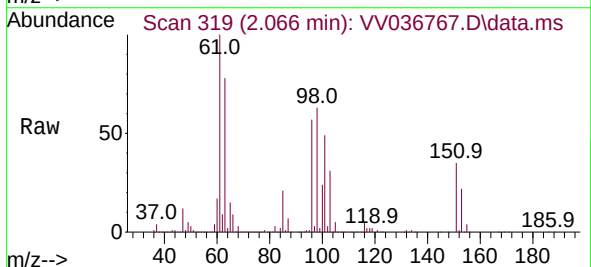
Tgt Ion: 96 Resp: 584048

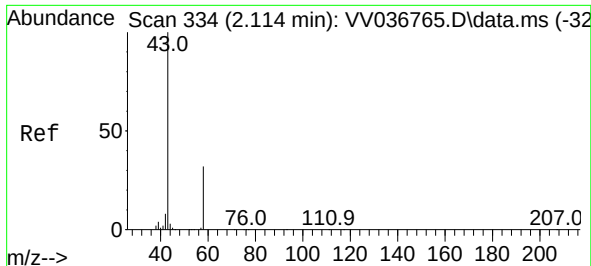
Ion Ratio Lower Upper

96 100

61 176.7 125.6 233.2

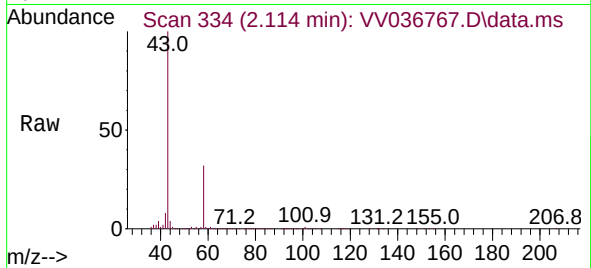
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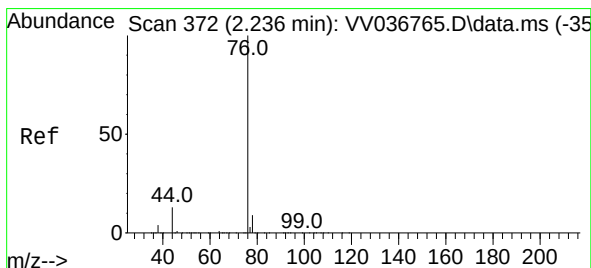
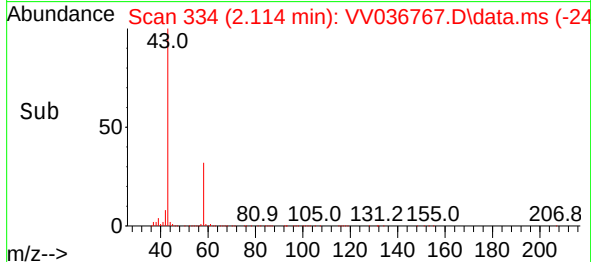
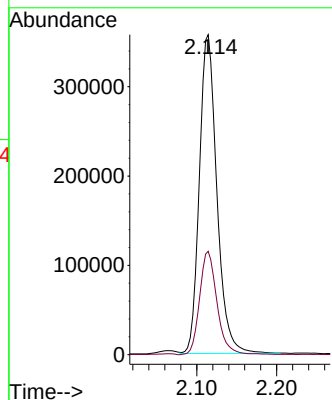


#13  
Acetone  
Concen: 174.673 ug/L  
RT: 2.114 min Scan# 341  
Delta R.T. 0.000 min  
Lab File: VV036767.D  
Acq: 02 Aug 2024 17:23

Instrument :  
MSVOA\_V  
ClientSampleId :

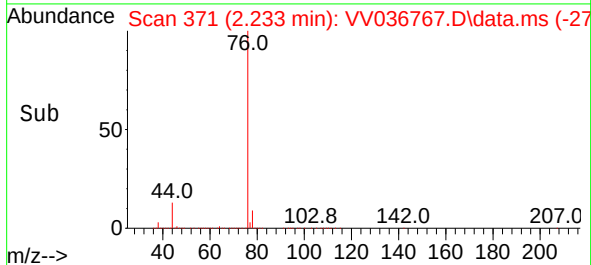
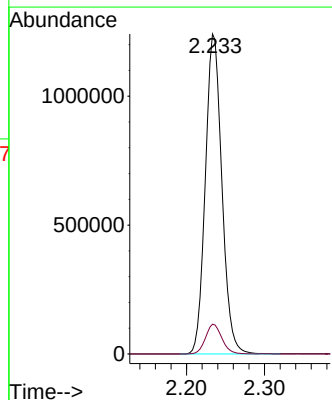
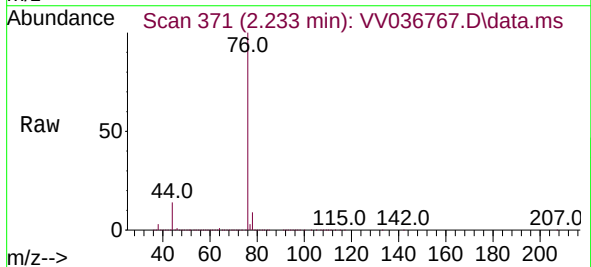


Tgt Ion: 43 Resp: 544033  
Ion Ratio Lower Upper  
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58 32.4 0.0 63.4

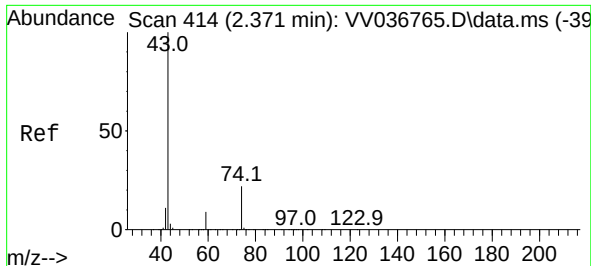


#14  
Carbon disulfide  
Concen: 103.332 ug/L  
RT: 2.233 min Scan# 371  
Delta R.T. -0.003 min  
Lab File: VV036767.D  
Acq: 02 Aug 2024 17:23

Tgt Ion: 76 Resp: 1830660  
Ion Ratio Lower Upper  
76 100  
78 9.3 7.1 10.7







#15

Methyl Acetate

Concen: 107.477 ug/L

RT: 2.372 min Scan# 414

Delta R.T. 0.000 min

Lab File: VV036767.D

Acq: 02 Aug 2024 17:23

Instrument :

MSVOA\_V

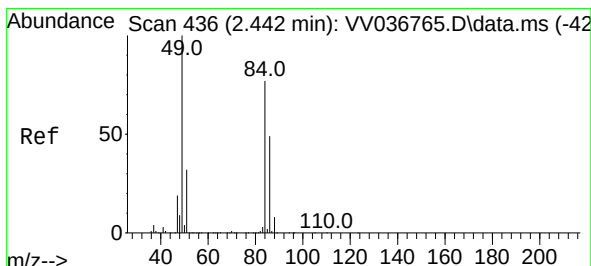
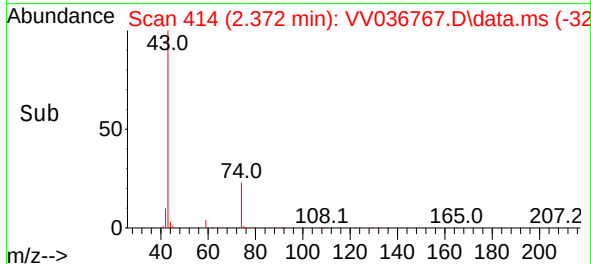
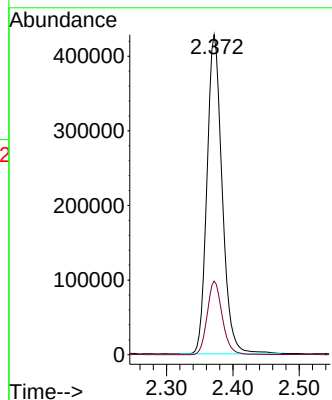
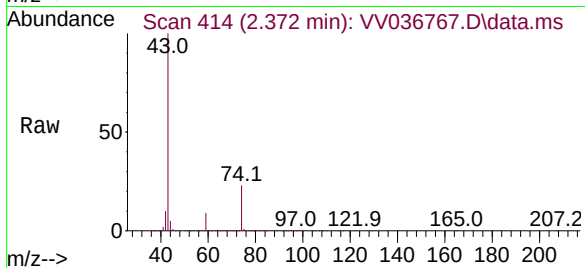
ClientSampleId :

Tgt Ion: 43 Resp: 682506

Ion Ratio Lower Upper

43 100

74 22.8 19.0 28.4



#16

Methylene chloride

Concen: 99.612 ug/L

RT: 2.442 min Scan# 436

Delta R.T. 0.000 min

Lab File: VV036767.D

Acq: 02 Aug 2024 17:23

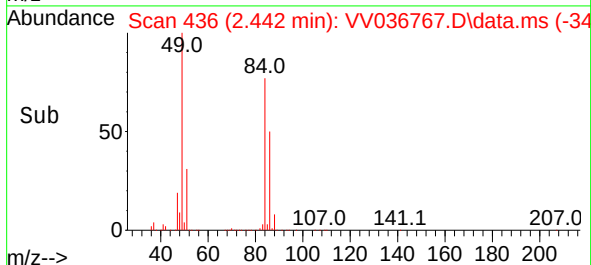
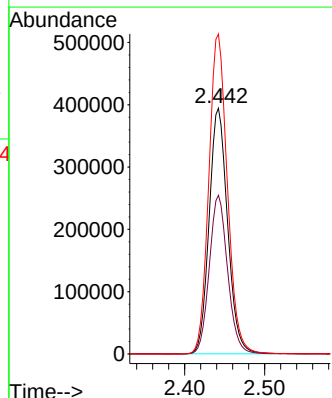
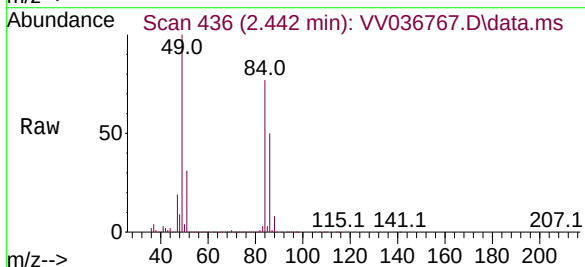
Tgt Ion: 84 Resp: 633364

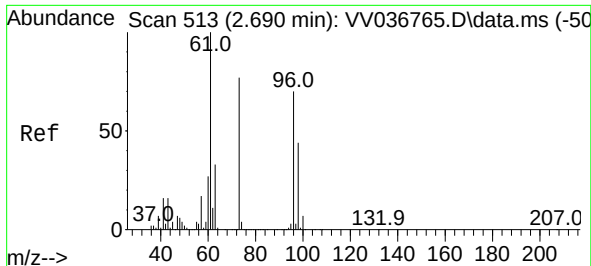
Ion Ratio Lower Upper

84 100

86 64.6 44.3 82.3

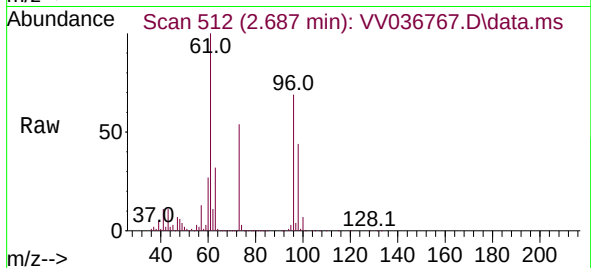
49 130.2 91.1 169.1



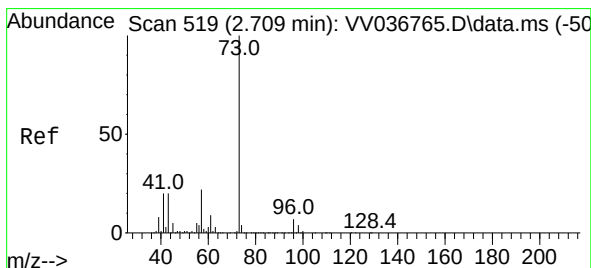
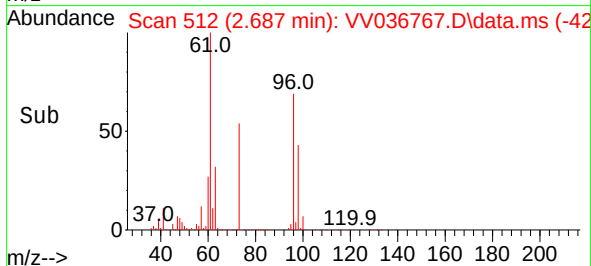
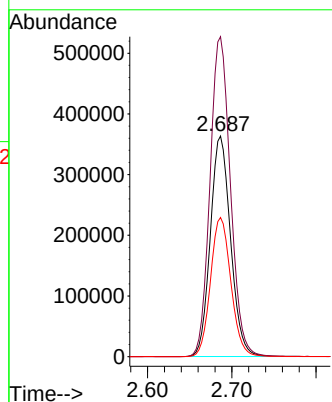


#17  
trans-1,2-Dichloroethene  
Concen: 103.746 ug/L  
RT: 2.687 min Scan# 513  
Delta R.T. -0.003 min  
Lab File: VV036767.D  
Acq: 02 Aug 2024 17:23

Instrument :  
MSVOA\_V  
ClientSampleId :

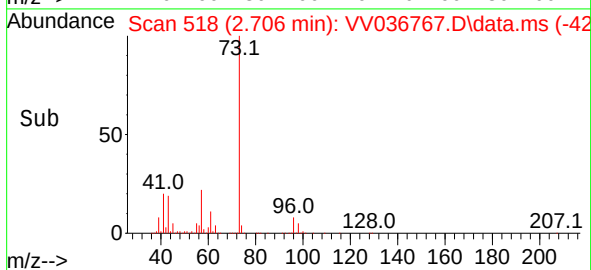
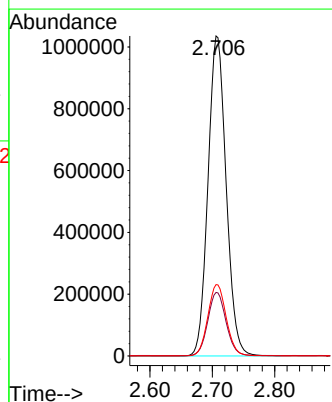
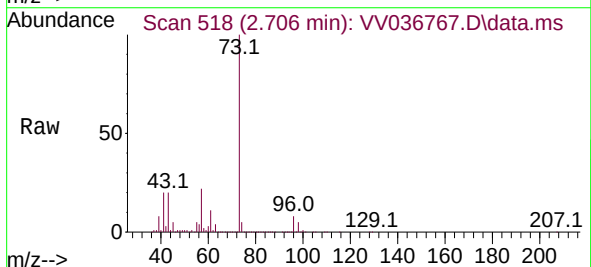


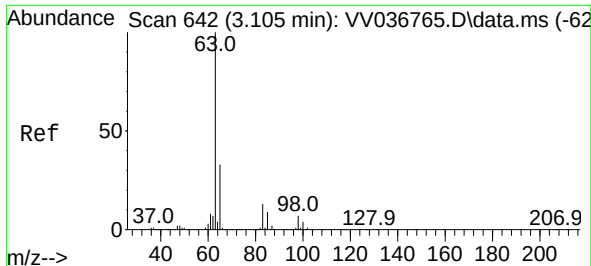
Tgt Ion: 96 Resp: 606541  
Ion Ratio Lower Upper  
96 100  
61 145.1 100.0 185.8  
98 63.1 44.0 81.8



#18  
Methyl tert-butyl Ether  
Concen: 102.042 ug/L  
RT: 2.706 min Scan# 518  
Delta R.T. -0.003 min  
Lab File: VV036767.D  
Acq: 02 Aug 2024 17:23

Tgt Ion: 73 Resp: 2090486  
Ion Ratio Lower Upper  
73 100  
43 19.9 16.1 24.1  
57 22.6 17.9 26.9





#19

1,1-Dichloroethane

Concen: 101.631 ug/L

RT: 3.101 min Scan# 641

Delta R.T. -0.003 min

Lab File: VV036767.D

Acq: 02 Aug 2024 17:23

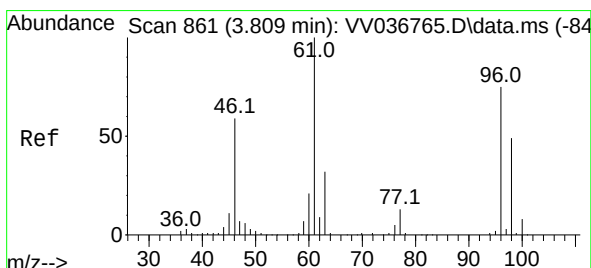
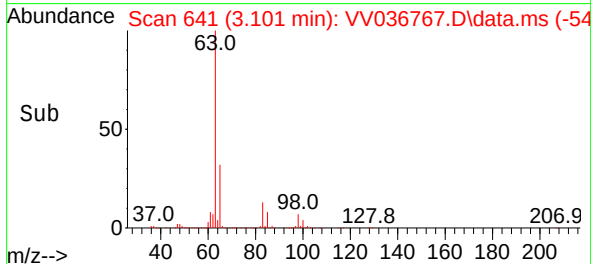
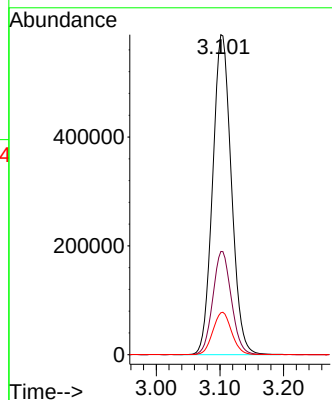
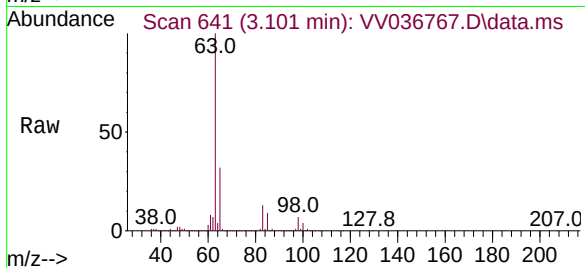
Instrument :

MSVOA\_V

ClientSampleId :

Tgt Ion: 63 Resp: 1199218

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 63  | 100   |       |       |
| 65  | 32.3  | 23.2  | 43.0  |
| 83  | 13.1  | 9.2   | 17.0  |



#20

cis-1,2-Dichloroethene

Concen: 102.790 ug/L

RT: 3.806 min Scan# 860

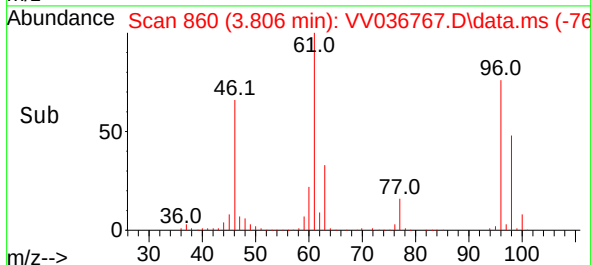
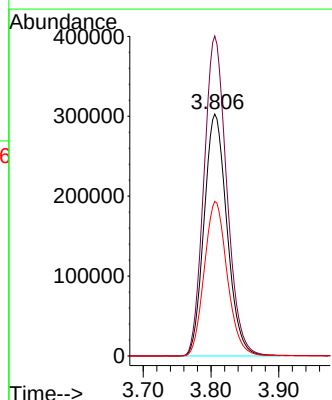
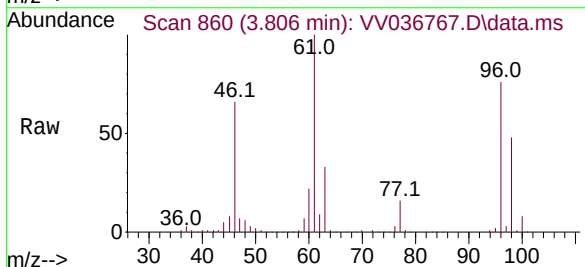
Delta R.T. -0.003 min

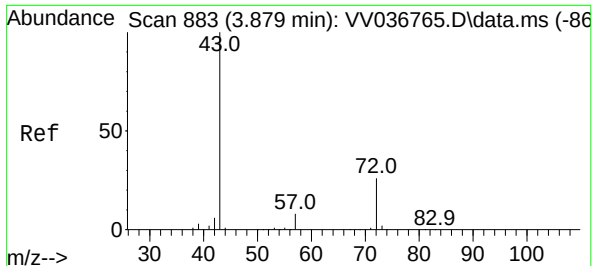
Lab File: VV036767.D

Acq: 02 Aug 2024 17:23

Tgt Ion: 96 Resp: 711332

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 132.3 | 93.9  | 174.5 |
| 98  | 63.9  | 46.0  | 85.4  |

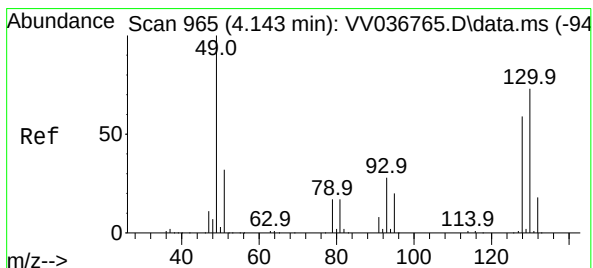
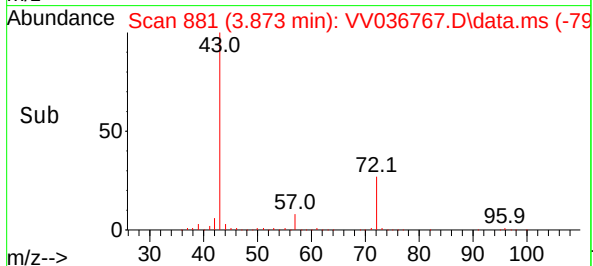
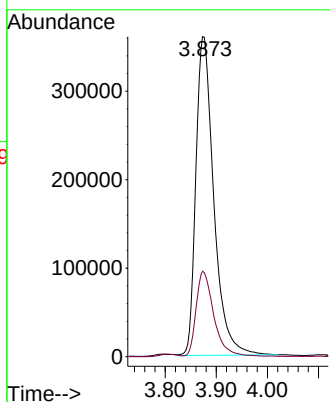
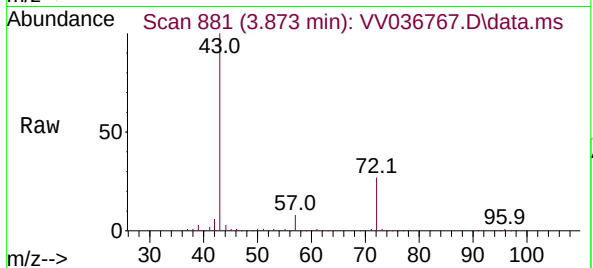




#22  
2-Butanone  
Concen: 224.146 ug/L  
RT: 3.873 min Scan# 881  
Delta R.T. -0.006 min  
Lab File: VV036767.D  
Acq: 02 Aug 2024 17:23

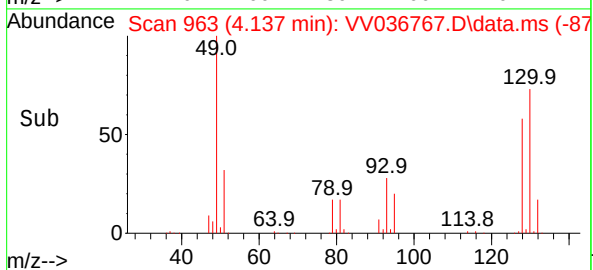
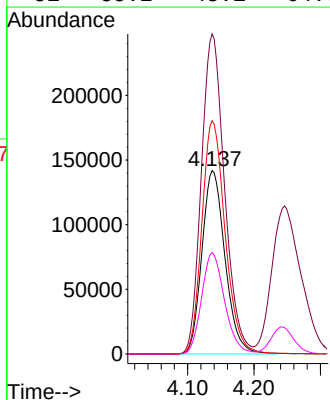
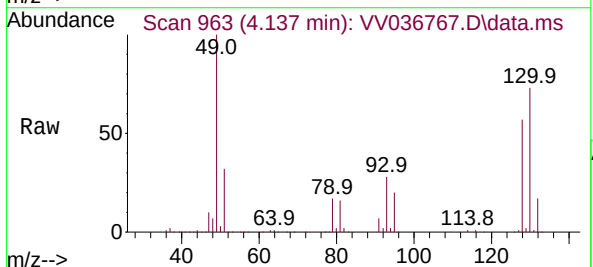
Instrument :  
MSVOA\_V  
ClientSampleId :

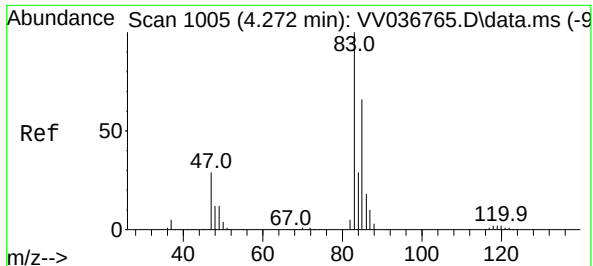
Tgt Ion: 43 Resp: 877309  
Ion Ratio Lower Upper  
43 100  
72 26.1 12.5 37.5



#23  
Bromochloromethane  
Concen: 102.759 ug/L  
RT: 4.137 min Scan# 963  
Delta R.T. -0.006 min  
Lab File: VV036767.D  
Acq: 02 Aug 2024 17:23

Tgt Ion:128 Resp: 343395  
Ion Ratio Lower Upper  
128 100  
49 174.5 120.0 223.0  
130 127.1 87.0 161.6  
51 55.2 43.1 64.7





#25

Chloroform

Concen: 101.058 ug/L

RT: 4.269 min Scan# 1004

Delta R.T. -0.003 min

Lab File: VV036767.D

Acq: 02 Aug 2024 17:23

Instrument :

MSVOA\_V

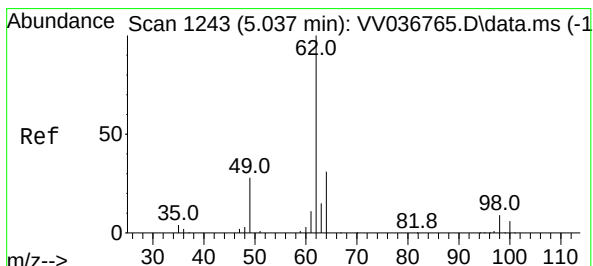
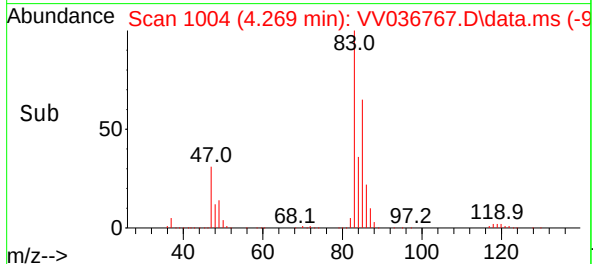
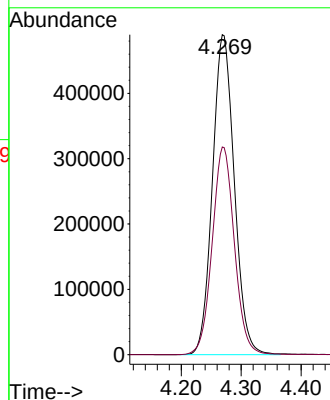
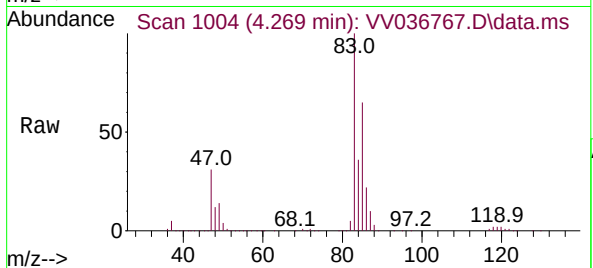
ClientSampleId :

Tgt Ion: 83 Resp: 1239352

Ion Ratio Lower Upper

83 100

85 64.9 46.0 85.4



#27

1,2-Dichloroethane

Concen: 104.867 ug/L

RT: 5.037 min Scan# 1243

Delta R.T. 0.000 min

Lab File: VV036767.D

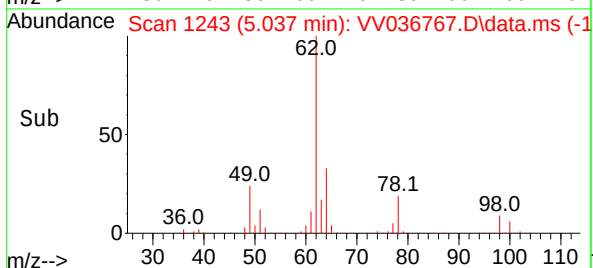
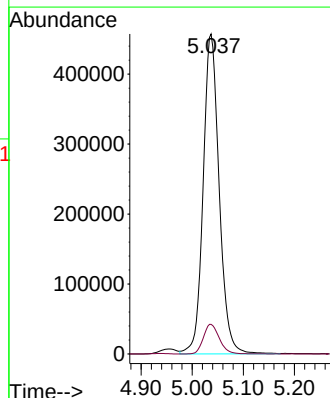
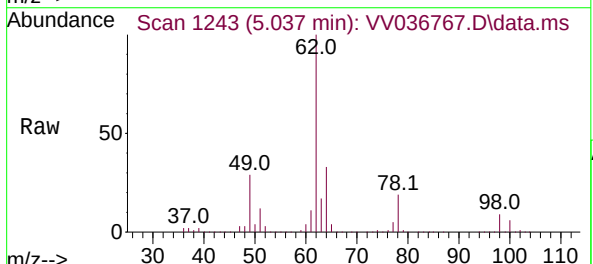
Acq: 02 Aug 2024 17:23

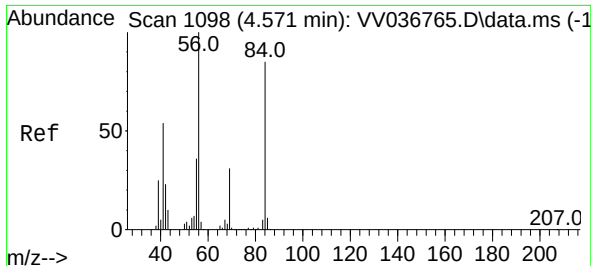
Tgt Ion: 62 Resp: 996602

Ion Ratio Lower Upper

62 100

98 9.3 7.5 11.3





#29

Cyclohexane

Concen: 103.590 ug/L

RT: 4.571 min Scan# 1098

Delta R.T. 0.000 min

Lab File: VV036767.D

Acq: 02 Aug 2024 17:23

Instrument :

MSVOA\_V

ClientSampleId :

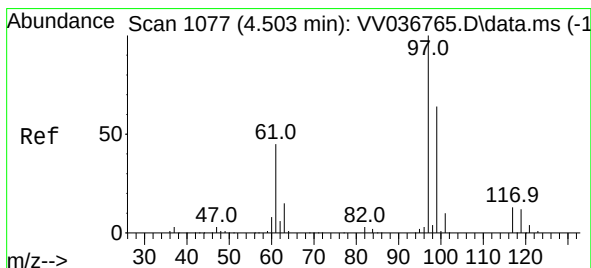
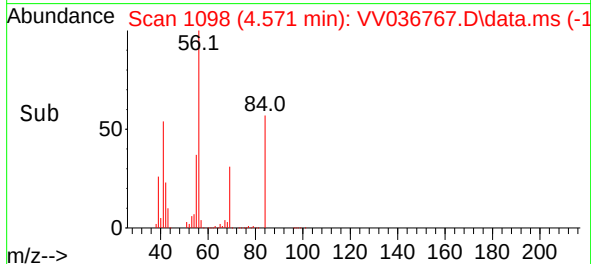
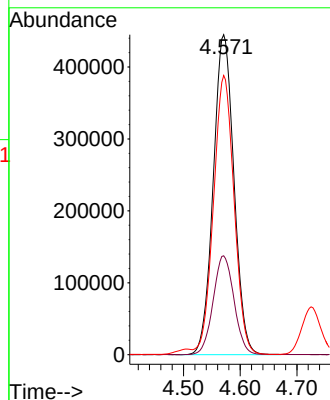
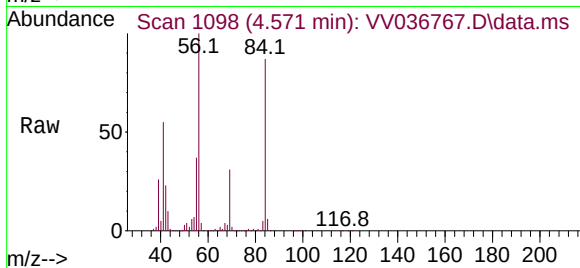
Tgt Ion: 56 Resp: 1128541

Ion Ratio Lower Upper

56 100

69 31.1 24.7 37.1

84 86.7 68.5 102.7



#30

1,1,1-Trichloroethane

Concen: 101.026 ug/L

RT: 4.503 min Scan# 1077

Delta R.T. 0.000 min

Lab File: VV036767.D

Acq: 02 Aug 2024 17:23

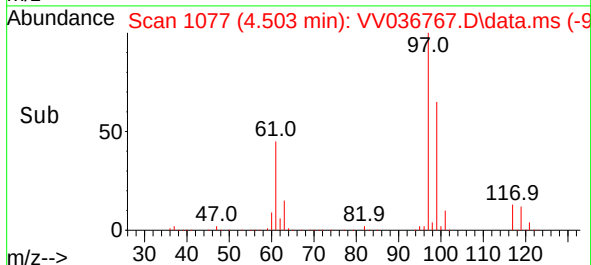
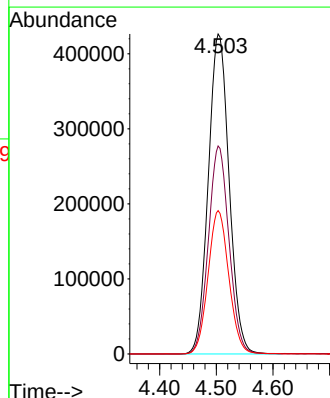
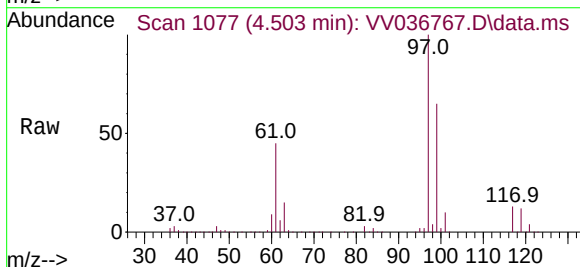
Tgt Ion: 97 Resp: 1089187

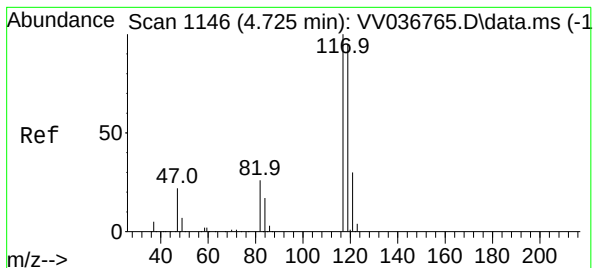
Ion Ratio Lower Upper

97 100

99 64.3 51.5 77.3

61 44.8 36.0 54.0





#31

Carbon tetrachloride

Concen: 103.594 ug/L

RT: 4.725 min Scan# 1146

Delta R.T. 0.000 min

Lab File: VV036767.D

Acq: 02 Aug 2024 17:23

Instrument :

MSVOA\_V

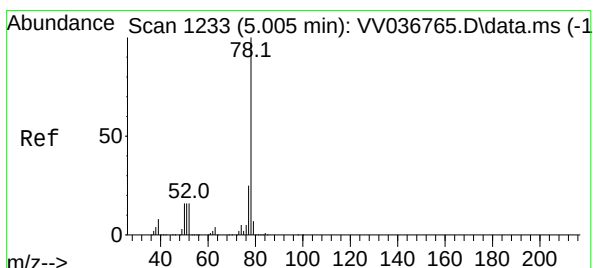
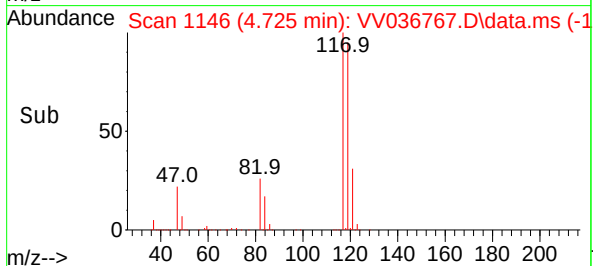
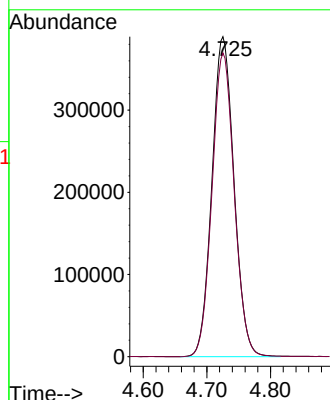
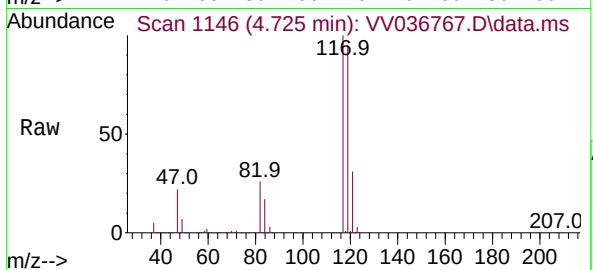
ClientSampleId :

Tgt Ion:117 Resp: 938925

Ion Ratio Lower Upper

117 100

119 95.5 76.1 114.1



#33

Benzene

Concen: 102.676 ug/L

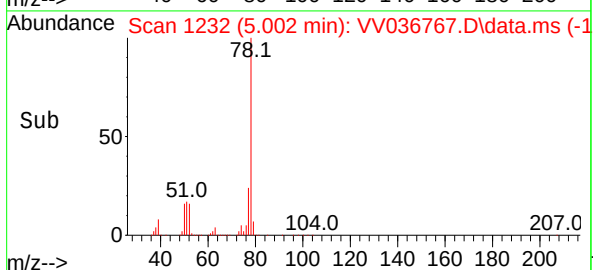
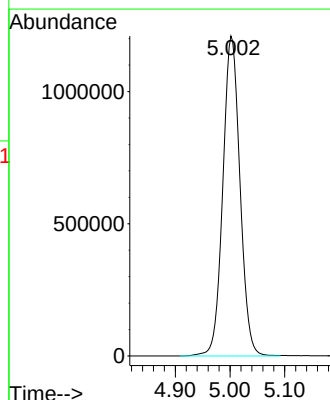
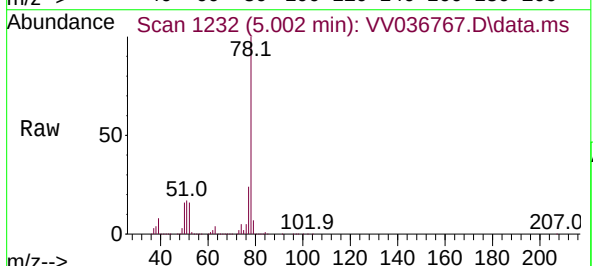
RT: 5.002 min Scan# 1232

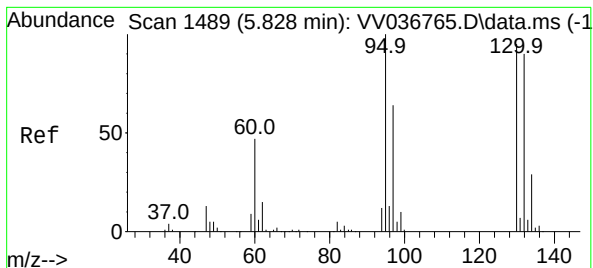
Delta R.T. -0.003 min

Lab File: VV036767.D

Acq: 02 Aug 2024 17:23

Tgt Ion: 78 Resp: 2632017





#34

Trichloroethene

Concen: 99.517 ug/L

RT: 5.825 min Scan# 1489

Delta R.T. -0.003 min

Lab File: VV036767.D

Acq: 02 Aug 2024 17:23

Instrument :

MSVOA\_V

ClientSampleId :

Tgt Ion: 95 Resp: 739600

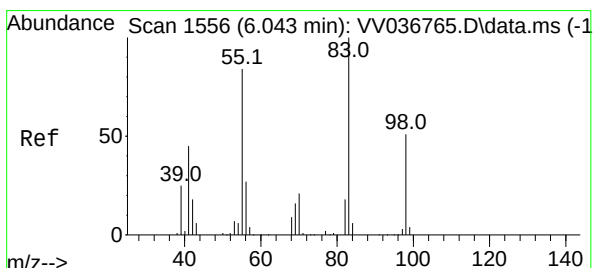
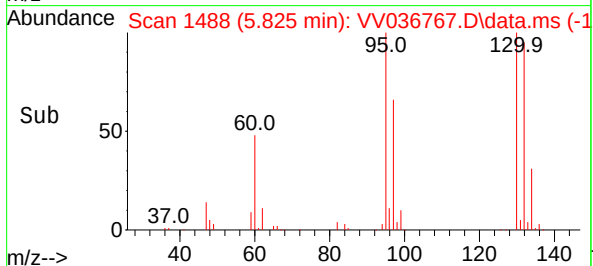
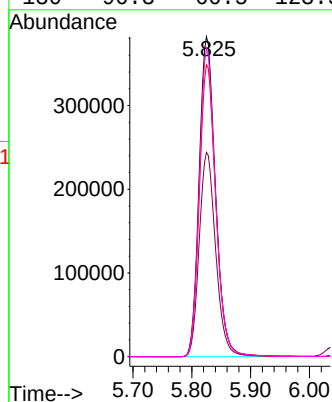
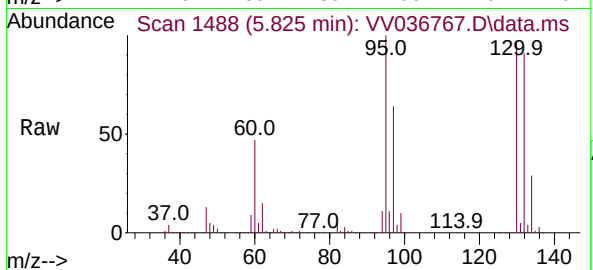
Ion Ratio Lower Upper

95 100

97 63.8 44.7 82.9

132 91.2 62.9 116.9

130 96.3 66.5 123.5



#35

Methylcyclohexane

Concen: 102.673 ug/L

RT: 6.043 min Scan# 1556

Delta R.T. 0.000 min

Lab File: VV036767.D

Acq: 02 Aug 2024 17:23

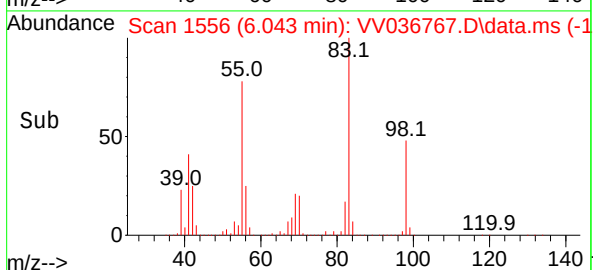
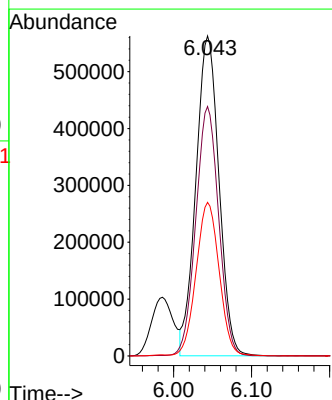
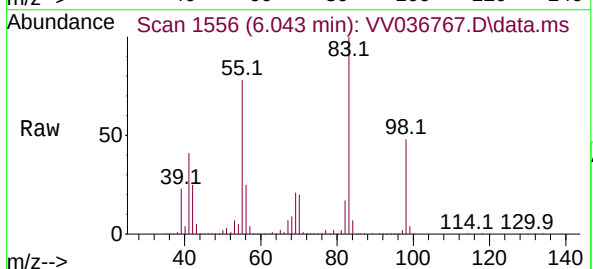
Tgt Ion: 83 Resp: 1156631

Ion Ratio Lower Upper

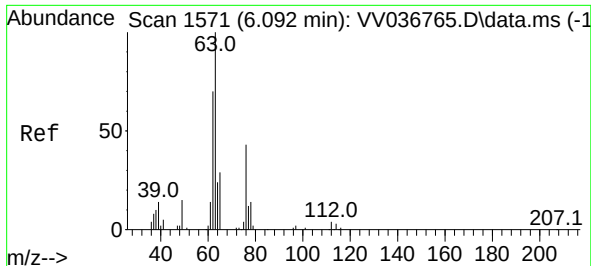
83 100

55 77.4 62.3 93.5

98 48.2 38.7 58.1



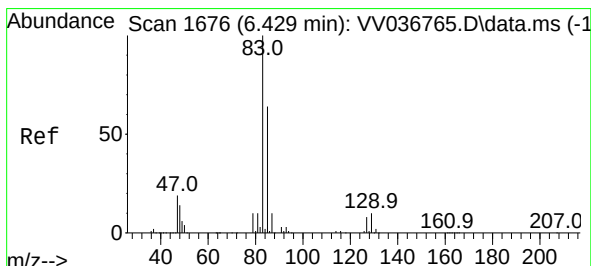
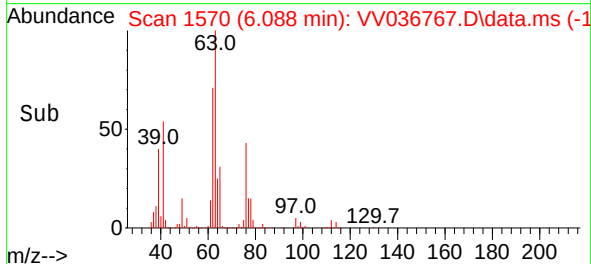
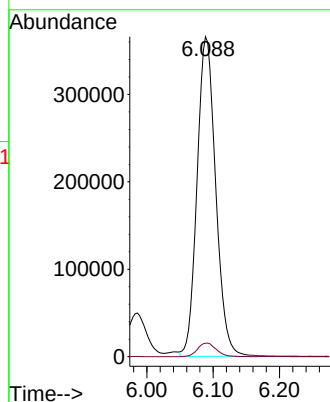
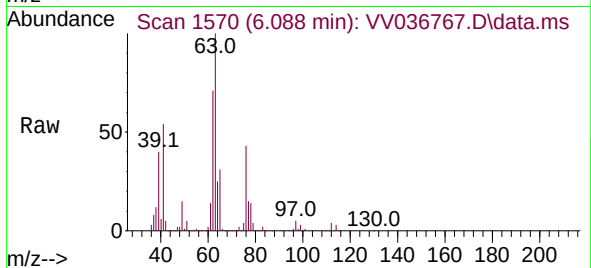




#37  
1,2-Dichloropropane  
Concen: 105.538 ug/L  
RT: 6.088 min Scan# 1570  
Delta R.T. -0.003 min  
Lab File: VV036767.D  
Acq: 02 Aug 2024 17:23

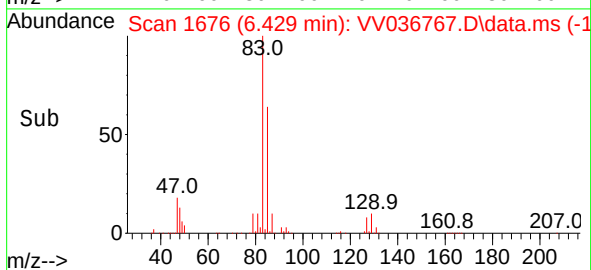
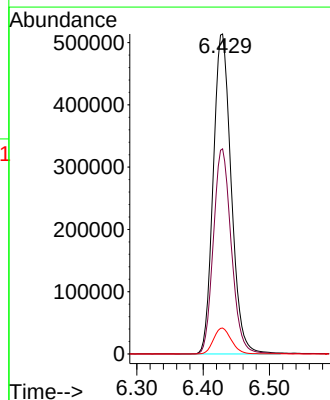
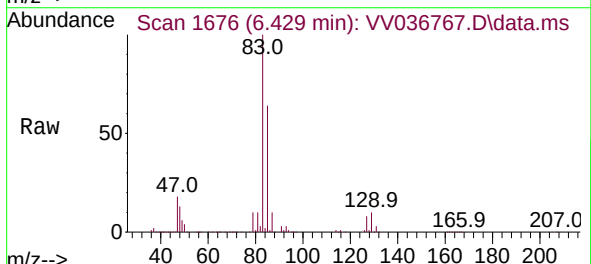
Instrument :  
MSVOA\_V  
ClientSampleId :

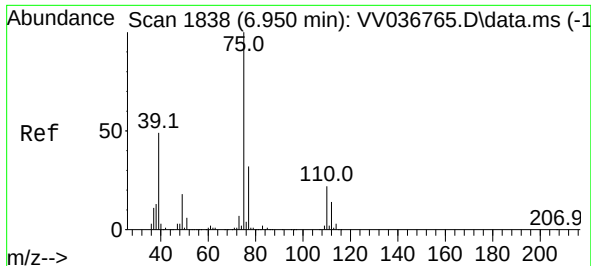
Tgt Ion: 63 Resp: 712335  
Ion Ratio Lower Upper  
63 100  
112 4.3 3.6 5.4



#38  
Bromodichloromethane  
Concen: 103.286 ug/L  
RT: 6.429 min Scan# 1676  
Delta R.T. 0.000 min  
Lab File: VV036767.D  
Acq: 02 Aug 2024 17:23

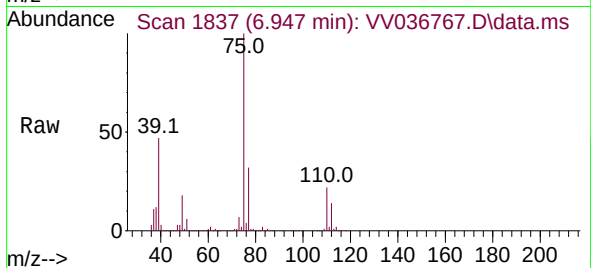
Tgt Ion: 83 Resp: 967052  
Ion Ratio Lower Upper  
83 100  
85 64.1 44.7 83.1  
127 8.1 6.2 9.4



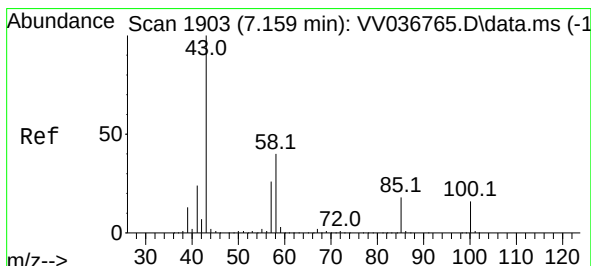
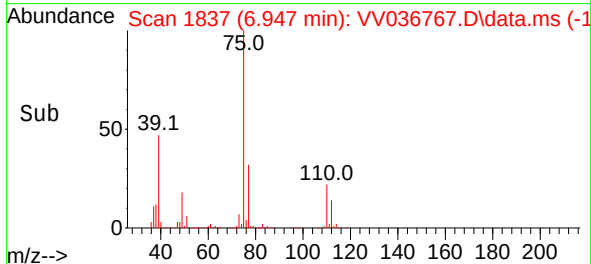
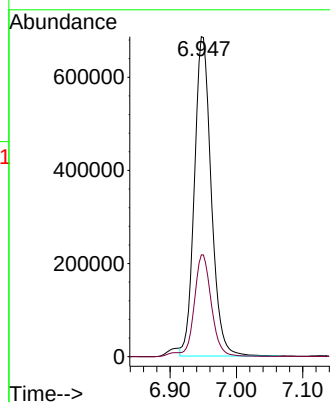


#39  
 cis-1,3-Dichloropropene  
 Concen: 103.029 ug/L  
 RT: 6.947 min Scan# 1837  
 Delta R.T. -0.003 min  
 Lab File: VV036767.D  
 Acq: 02 Aug 2024 17:23

Instrument :  
 MSVOA\_V  
 ClientSampleId :

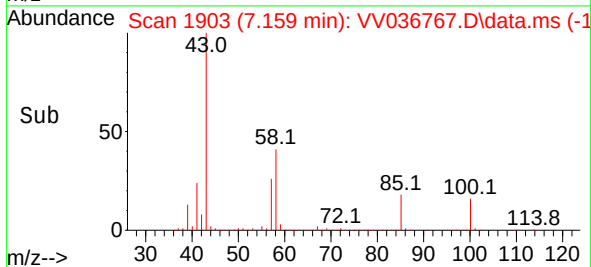
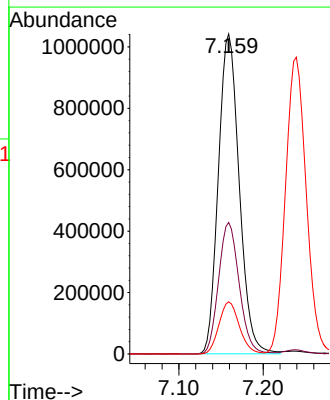
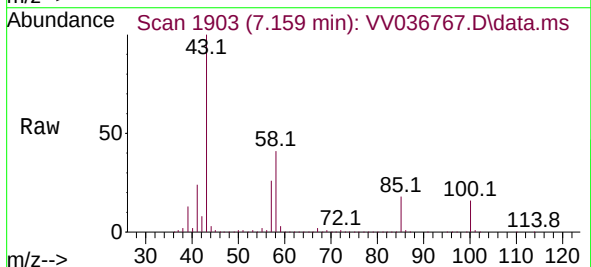


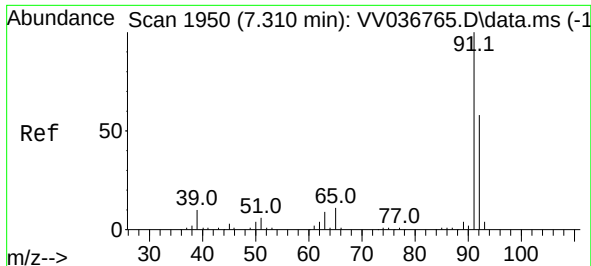
Tgt Ion: 75 Resp: 1208793  
 Ion Ratio Lower Upper  
 75 100  
 77 31.8 22.2 41.2



#40  
 4-Methyl-2-pentanone  
 Concen: 219.188 ug/L  
 RT: 7.159 min Scan# 1903  
 Delta R.T. 0.000 min  
 Lab File: VV036767.D  
 Acq: 02 Aug 2024 17:23

Tgt Ion: 43 Resp: 1788883  
 Ion Ratio Lower Upper  
 43 100  
 58 40.6 31.3 46.9  
 100 16.0 12.6 18.8





#42

Toluene

Concen: 104.238 ug/L

RT: 7.310 min Scan# 1950

Delta R.T. 0.000 min

Lab File: VV036767.D

Acq: 02 Aug 2024 17:23

Instrument :

MSVOA\_V

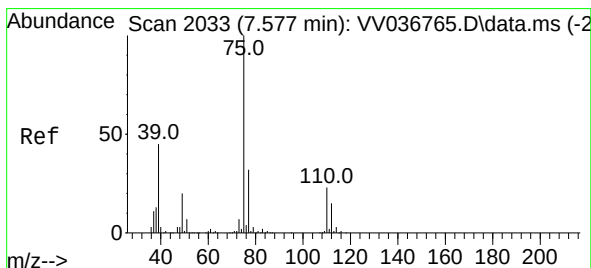
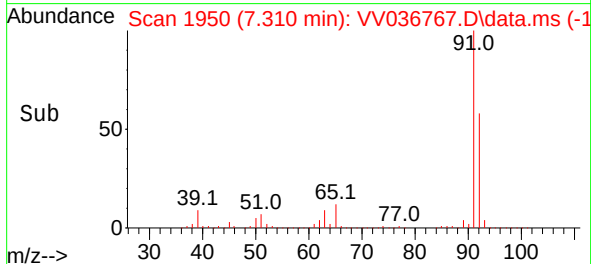
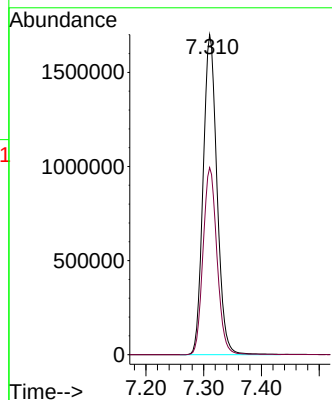
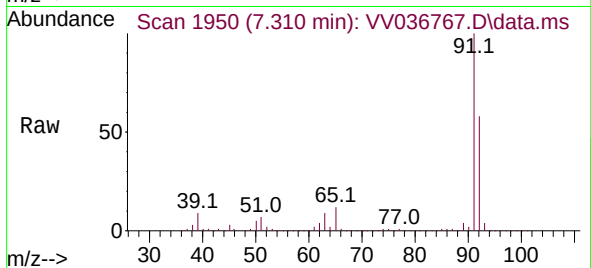
ClientSampleId :

Tgt Ion: 91 Resp: 2827774

Ion Ratio Lower Upper

91 100

92 58.4 40.5 75.1



#44

trans-1,3-Dichloropropene

Concen: 105.926 ug/L

RT: 7.577 min Scan# 2033

Delta R.T. 0.000 min

Lab File: VV036767.D

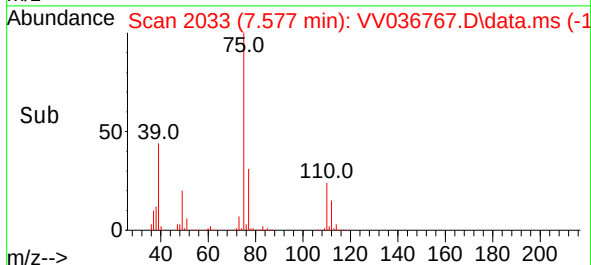
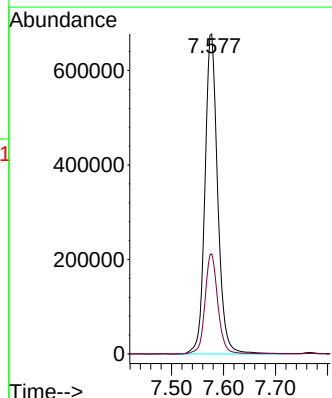
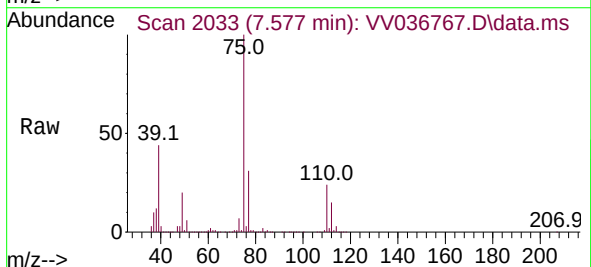
Acq: 02 Aug 2024 17:23

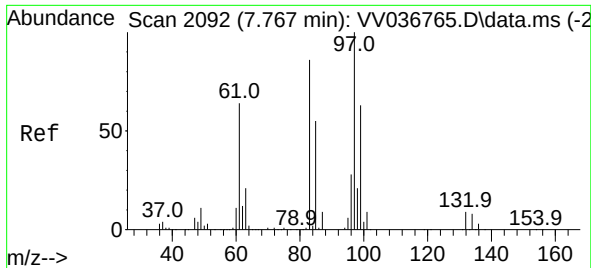
Tgt Ion: 75 Resp: 1152007

Ion Ratio Lower Upper

75 100

77 31.3 22.4 41.6



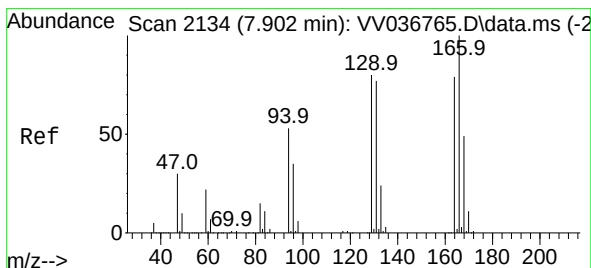
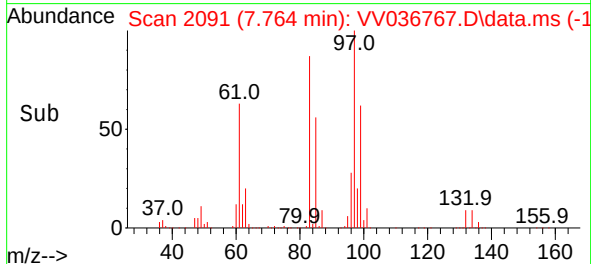
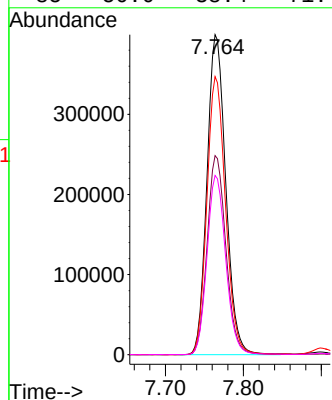
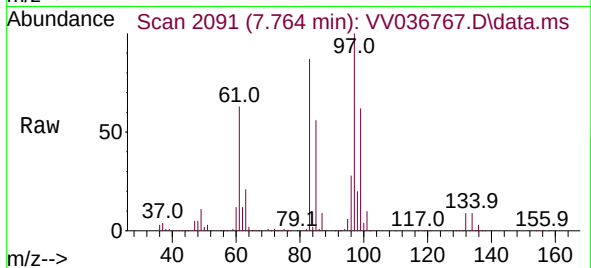


#45  
1,1,2-Trichloroethane  
Concen: 103.444 ug/L  
RT: 7.764 min Scan# 2091  
Delta R.T. -0.003 min  
Lab File: VV036767.D  
Acq: 02 Aug 2024 17:23

Instrument :  
MSVOA\_V  
ClientSampleId :

Tgt Ion: 97 Resp: 669970

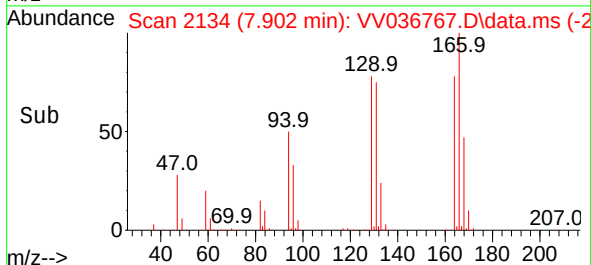
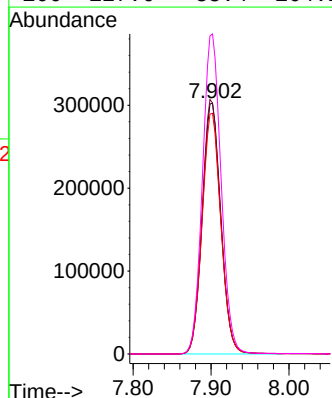
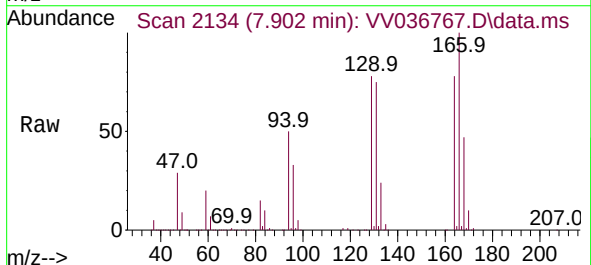
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 99  | 62.2  | 44.0  | 81.6  |
| 83  | 86.9  | 60.1  | 111.5 |
| 85  | 56.0  | 38.4  | 71.4  |

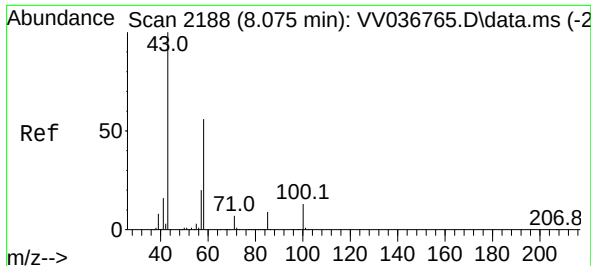


#46  
Tetrachloroethene  
Concen: 104.114 ug/L  
RT: 7.902 min Scan# 2134  
Delta R.T. 0.000 min  
Lab File: VV036767.D  
Acq: 02 Aug 2024 17:23

Tgt Ion: 164 Resp: 502922

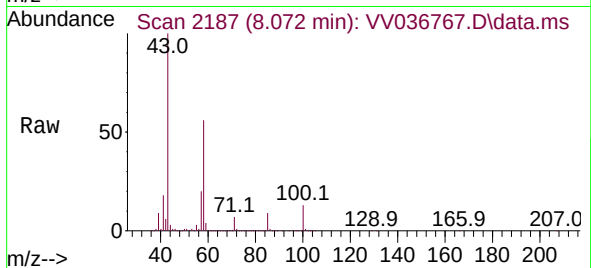
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 129 | 100.1 | 70.4  | 130.8 |
| 131 | 96.0  | 67.7  | 125.7 |
| 166 | 127.6 | 88.4  | 164.2 |



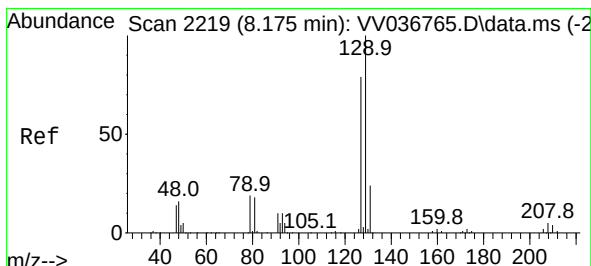
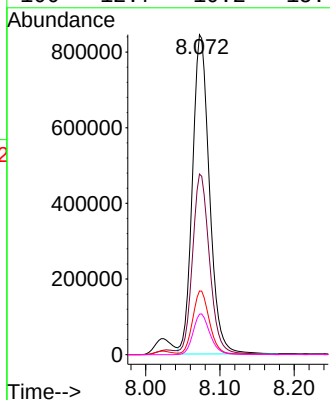
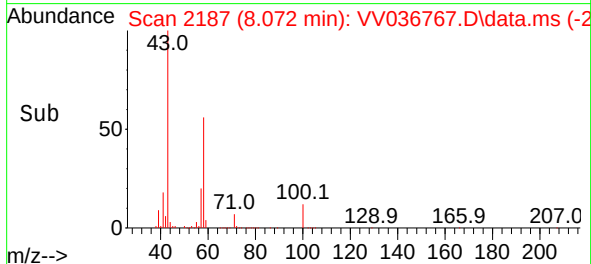


#48  
2-Hexanone  
Concen: 219.139 ug/L  
RT: 8.072 min Scan# 2188  
Delta R.T. -0.003 min  
Lab File: VV036767.D  
Acq: 02 Aug 2024 17:23

Instrument :  
MSVOA\_V  
ClientSampleId :

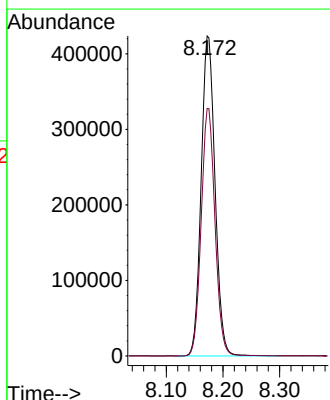
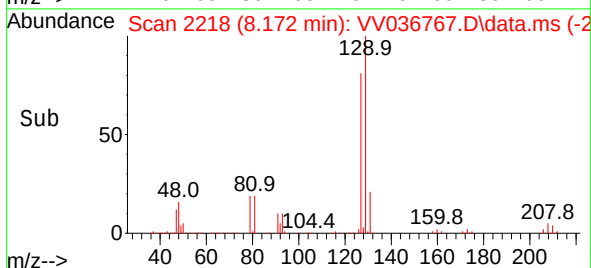
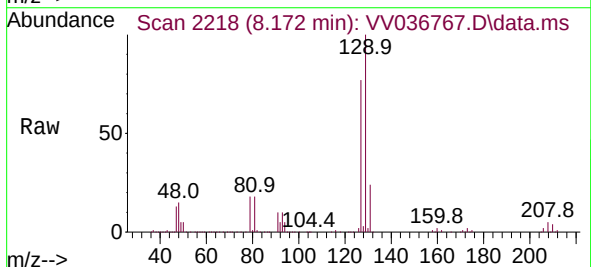


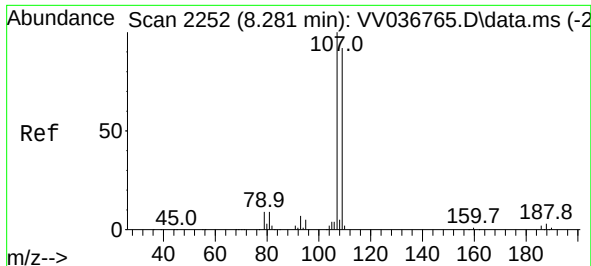
Tgt Ion: 43 Resp: 1347030  
Ion Ratio Lower Upper  
43 100  
58 56.6 44.7 67.1  
57 19.7 15.0 22.4  
100 12.7 10.2 15.4



#49  
Dibromochloromethane  
Concen: 105.974 ug/L  
RT: 8.172 min Scan# 2218  
Delta R.T. -0.003 min  
Lab File: VV036767.D  
Acq: 02 Aug 2024 17:23

Tgt Ion: 129 Resp: 719863  
Ion Ratio Lower Upper  
129 100  
127 77.4 55.4 102.8





#50

1,2-Dibromoethane

Concen: 105.078 ug/L

RT: 8.278 min Scan# 2251

Delta R.T. -0.003 min

Lab File: VV036767.D

Acq: 02 Aug 2024 17:23

Instrument :

MSVOA\_V

ClientSampleId :

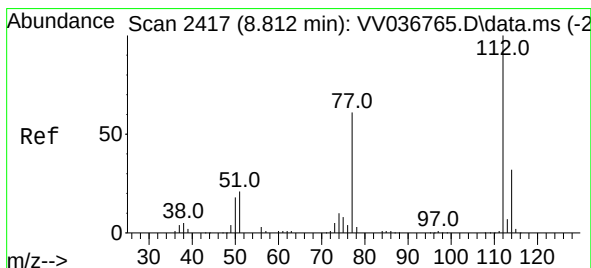
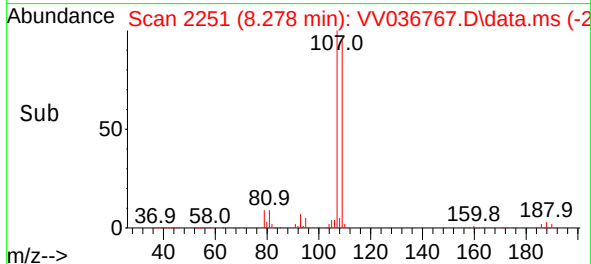
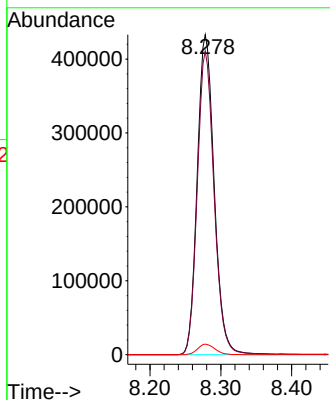
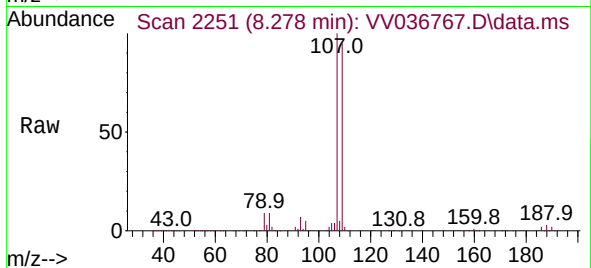
Tgt Ion:107 Resp: 719484

Ion Ratio Lower Upper

107 100

109 94.9 64.7 120.1

188 3.3 2.6 3.8



#51

Chlorobenzene

Concen: 103.083 ug/L

RT: 8.809 min Scan# 2416

Delta R.T. -0.003 min

Lab File: VV036767.D

Acq: 02 Aug 2024 17:23

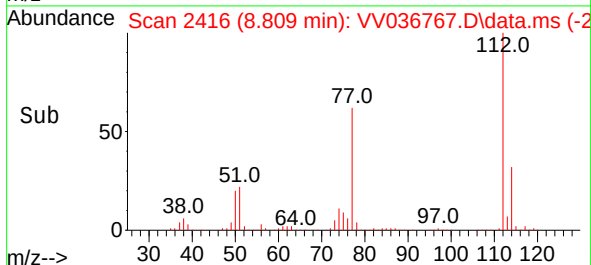
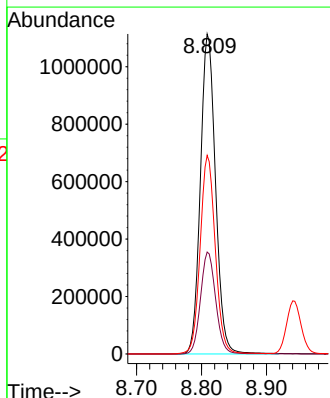
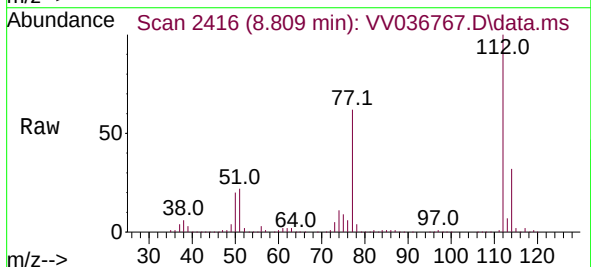
Tgt Ion:112 Resp: 1810819

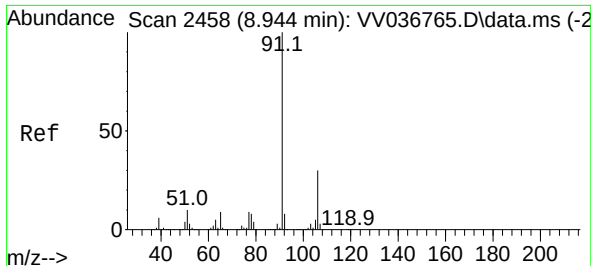
Ion Ratio Lower Upper

112 100

114 31.8 22.3 41.5

77 62.1 48.9 73.3





#52

Ethylbenzene

Concen: 104.113 ug/L

RT: 8.940 min Scan# 2458

Delta R.T. -0.003 min

Lab File: VV036767.D

Acq: 02 Aug 2024 17:23

Instrument :

MSVOA\_V

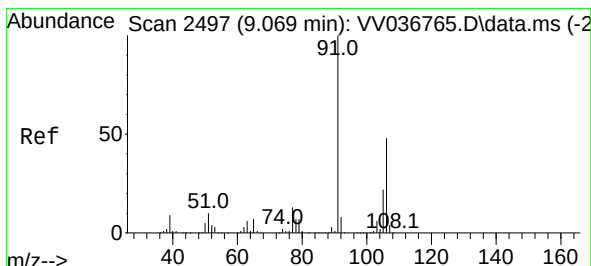
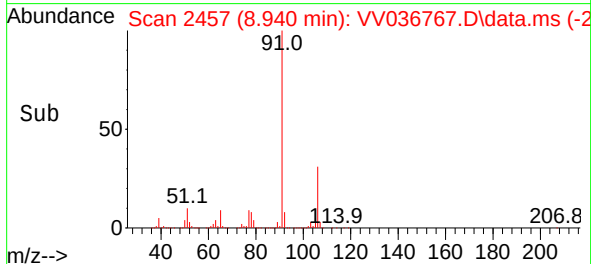
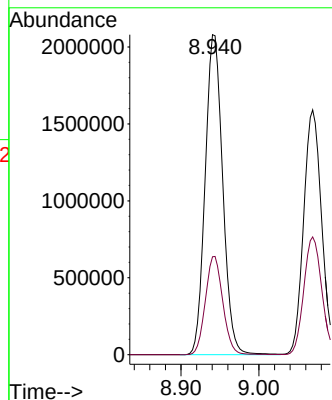
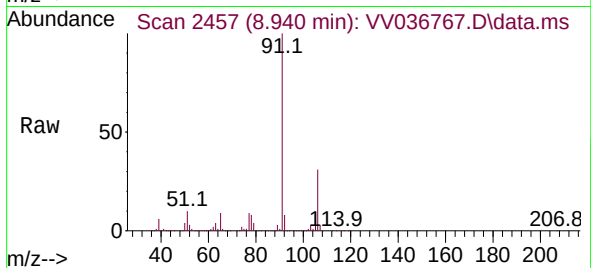
ClientSampleId :

Tgt Ion: 91 Resp: 3256677

Ion Ratio Lower Upper

91 100

106 30.6 21.1 39.1



#53

m,p-Xylene

Concen: 107.311 ug/L

RT: 9.069 min Scan# 2497

Delta R.T. 0.000 min

Lab File: VV036767.D

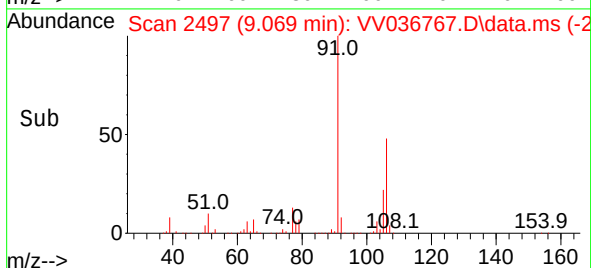
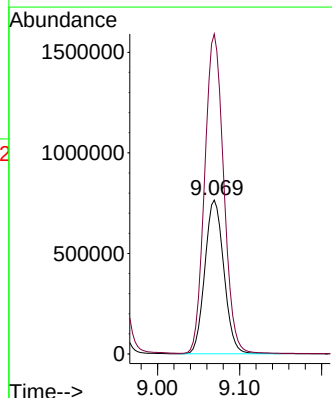
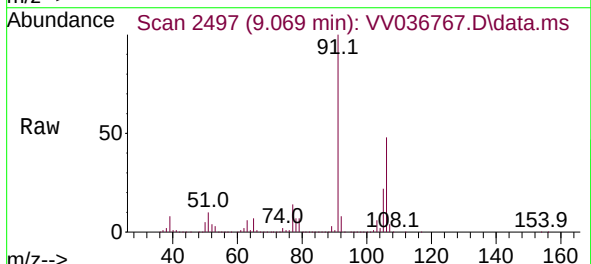
Acq: 02 Aug 2024 17:23

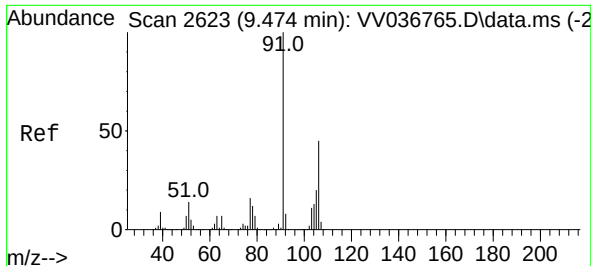
Tgt Ion:106 Resp: 1230208

Ion Ratio Lower Upper

106 100

91 207.9 147.1 273.3





#54

o-Xylene

Concen: 105.389 ug/L

RT: 9.474 min Scan# 2

Delta R.T. 0.000 min

Lab File: VV036767.D

Acq: 02 Aug 2024 17:23

Instrument :

MSVOA\_V

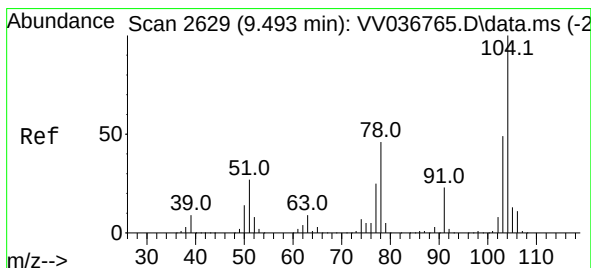
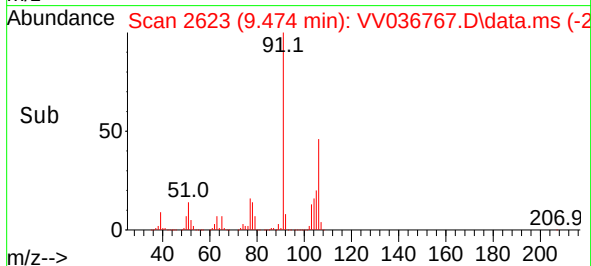
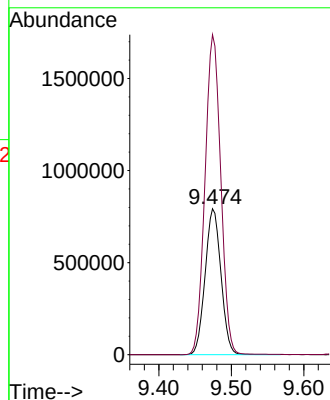
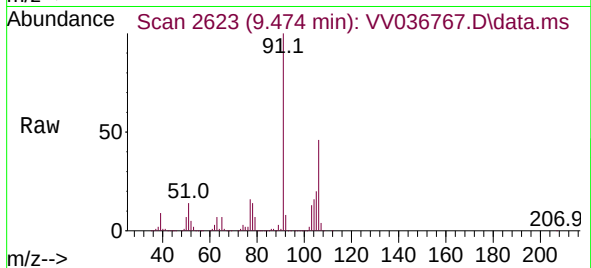
ClientSampleId :

Tgt Ion:106 Resp: 1202321

Ion Ratio Lower Upper

106 100

91 219.2 154.5 286.9



#55

Styrene

Concen: 107.661 ug/L

RT: 9.490 min Scan# 2628

Delta R.T. -0.003 min

Lab File: VV036767.D

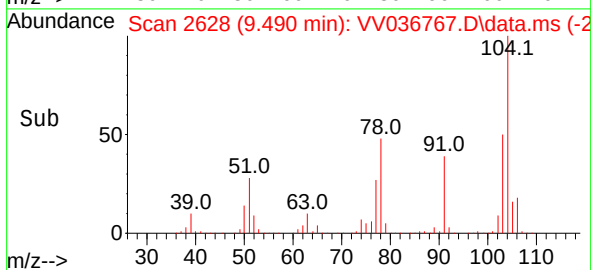
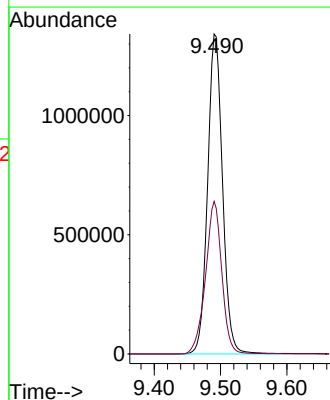
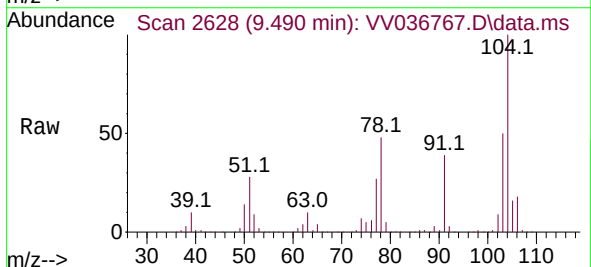
Acq: 02 Aug 2024 17:23

Tgt Ion:104 Resp: 2101917

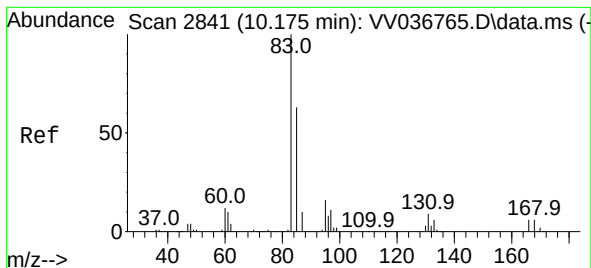
Ion Ratio Lower Upper

104 100

78 47.6 32.1 59.7



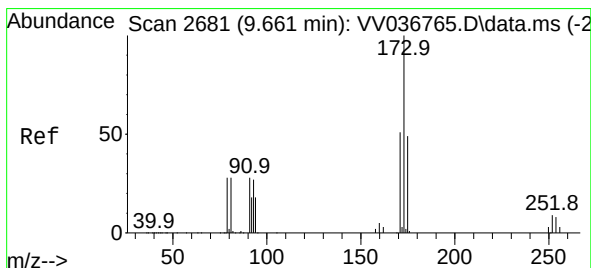
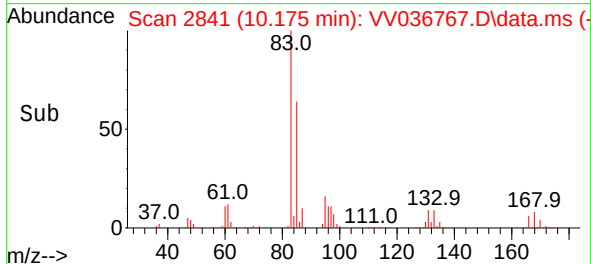
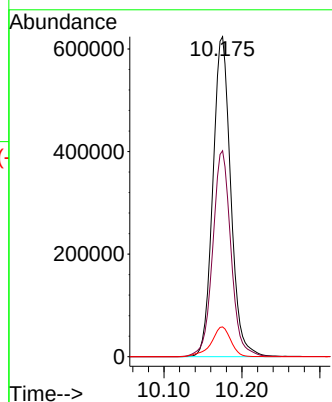
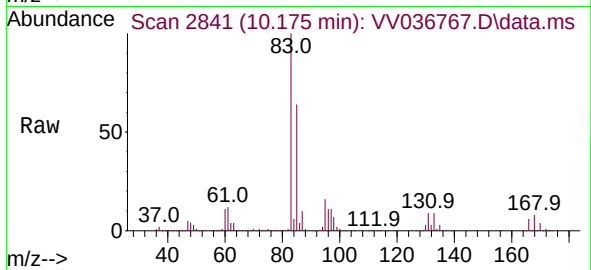




#57  
1,1,2,2-Tetrachloroethane  
Concen: 114.071 ug/L  
RT: 10.175 min Scan# 2841  
Delta R.T. 0.000 min  
Lab File: VV036767.D  
Acq: 02 Aug 2024 17:23

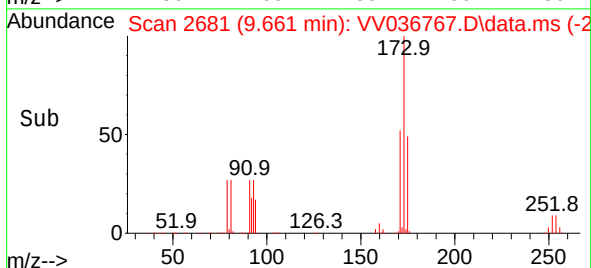
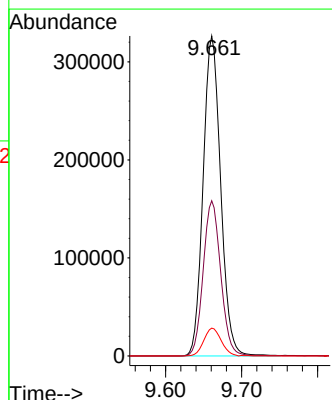
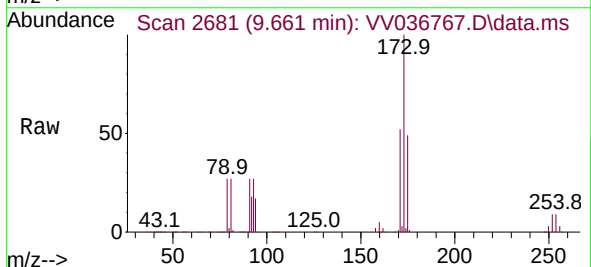
Instrument :  
MSVOA\_V  
ClientSampleId :

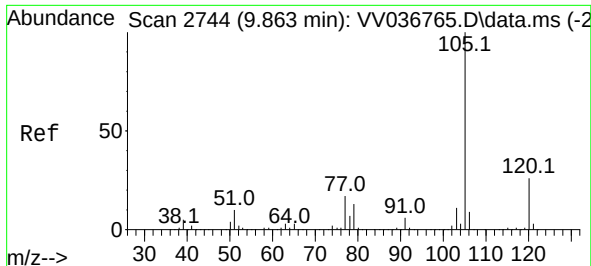
Tgt Ion: 83 Resp: 992914  
Ion Ratio Lower Upper  
83 100  
85 64.4 44.7 83.1  
131 9.3 7.2 10.8



#59  
Bromoform  
Concen: 107.803 ug/L  
RT: 9.661 min Scan# 2681  
Delta R.T. 0.000 min  
Lab File: VV036767.D  
Acq: 02 Aug 2024 17:23

Tgt Ion: 173 Resp: 523347  
Ion Ratio Lower Upper  
173 100  
175 48.5 39.8 59.8  
254 8.6 6.8 10.2

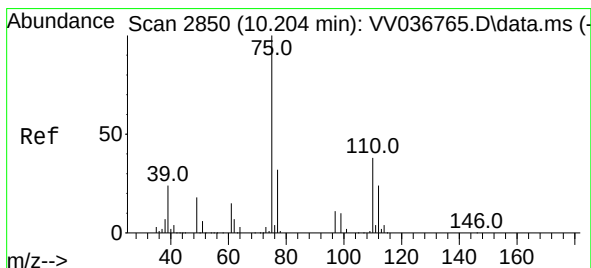
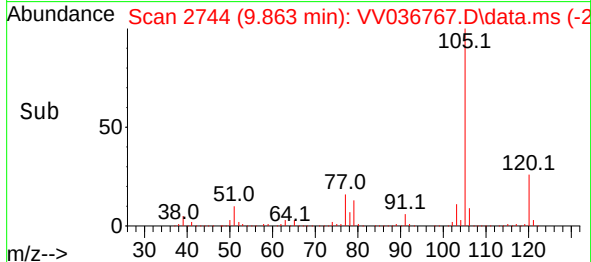
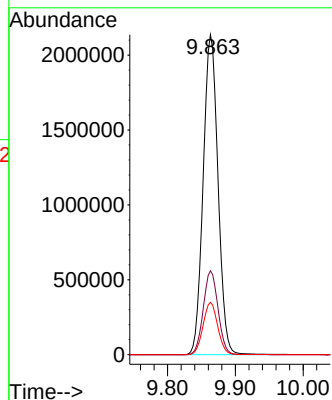
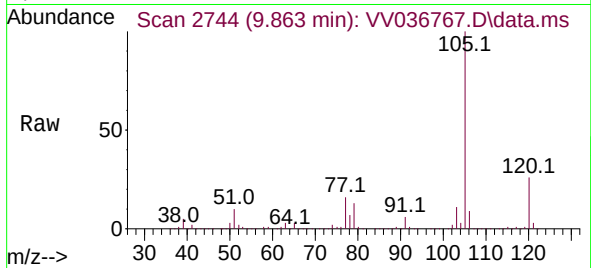




#60  
Isopropylbenzene  
Concen: 102.077 ug/L  
RT: 9.863 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VV036767.D  
Acq: 02 Aug 2024 17:23

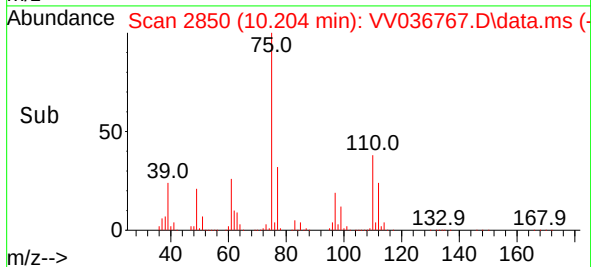
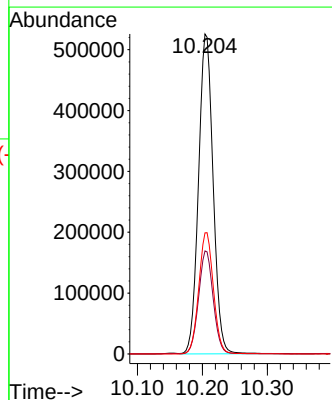
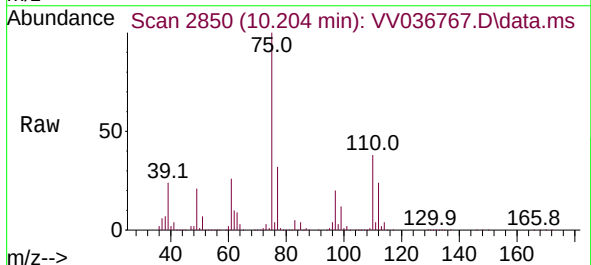
Instrument :  
MSVOA\_V  
ClientSampleId :

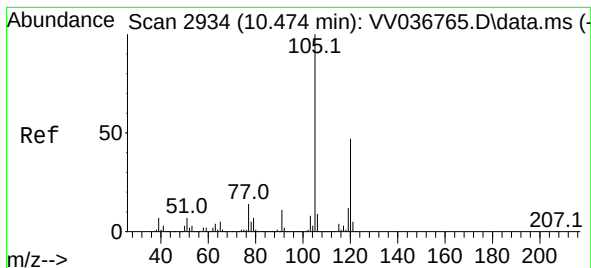
Tgt Ion:105 Resp: 3249918  
Ion Ratio Lower Upper  
105 100  
120 26.1 20.3 30.5  
77 16.2 13.1 19.7



#61  
1,2,3-Trichloropropane  
Concen: 106.149 ug/L  
RT: 10.204 min Scan# 2850  
Delta R.T. 0.000 min  
Lab File: VV036767.D  
Acq: 02 Aug 2024 17:23

Tgt Ion: 75 Resp: 821399  
Ion Ratio Lower Upper  
75 100  
77 32.0 26.2 39.2  
110 38.0 31.3 46.9





#62

1,3,5-Trimethylbenzene

Concen: 103.640 ug/L

RT: 10.474 min Scan# 2934

Delta R.T. 0.000 min

Lab File: VV036767.D

Acq: 02 Aug 2024 17:23

Instrument :

MSVOA\_V

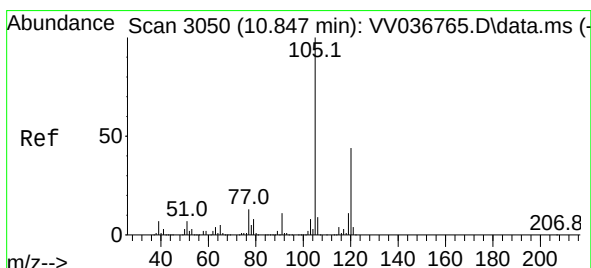
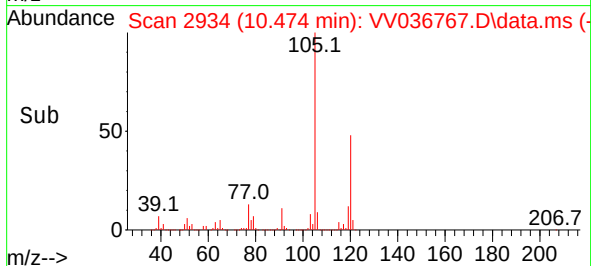
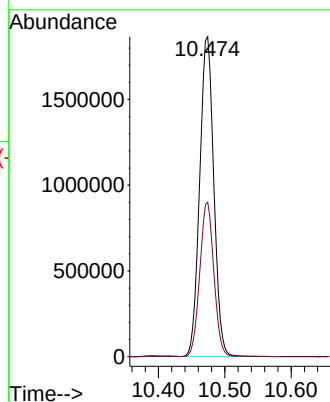
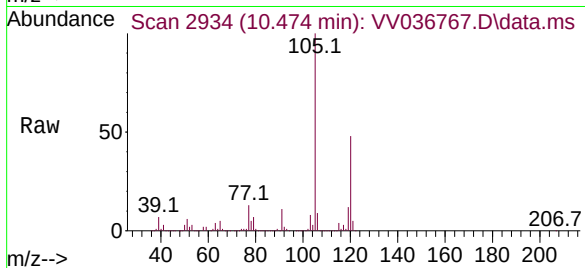
ClientSampleId :

Tgt Ion:105 Resp: 2764255

Ion Ratio Lower Upper

105 100

120 48.2 37.7 56.5



#63

1,2,4-Trimethylbenzene

Concen: 104.907 ug/L

RT: 10.847 min Scan# 3050

Delta R.T. 0.000 min

Lab File: VV036767.D

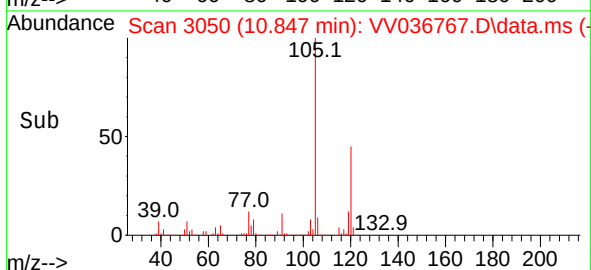
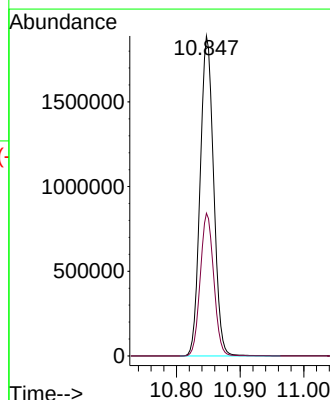
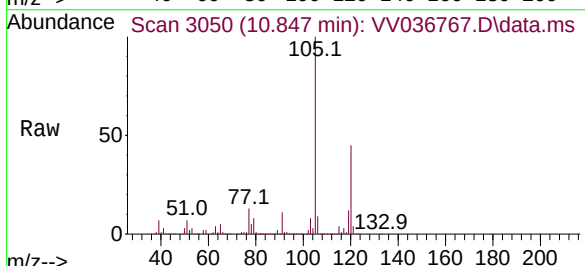
Acq: 02 Aug 2024 17:23

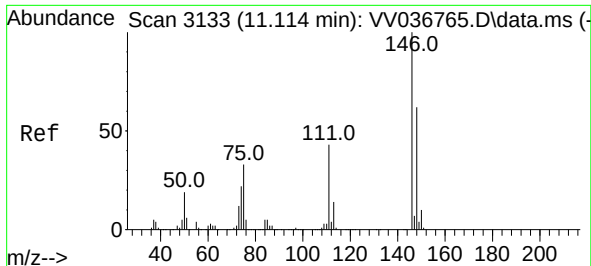
Tgt Ion:105 Resp: 2781556

Ion Ratio Lower Upper

105 100

120 44.6 35.6 53.4





#64

1,3-Dichlorobenzene

Concen: 103.077 ug/L

RT: 11.114 min Scan# 3133

Delta R.T. 0.000 min

Lab File: VV036767.D

Acq: 02 Aug 2024 17:23

Instrument :

MSVOA\_V

ClientSampleId :

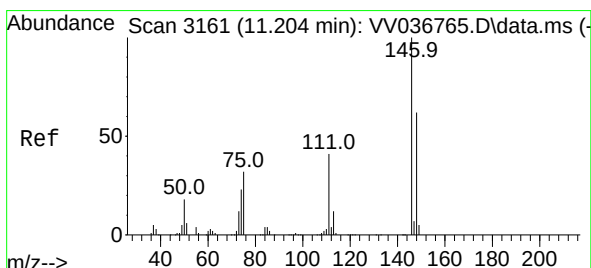
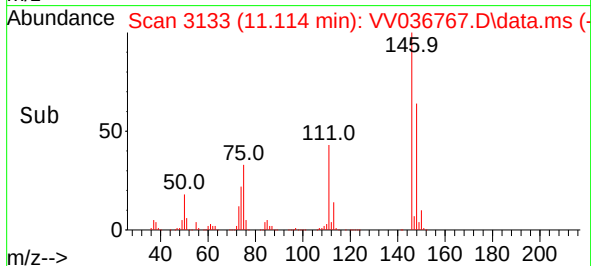
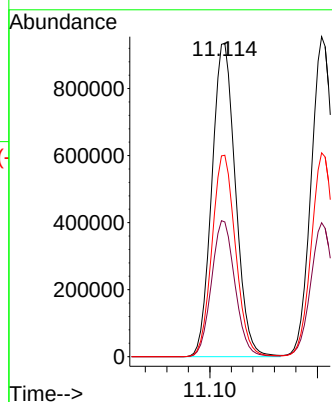
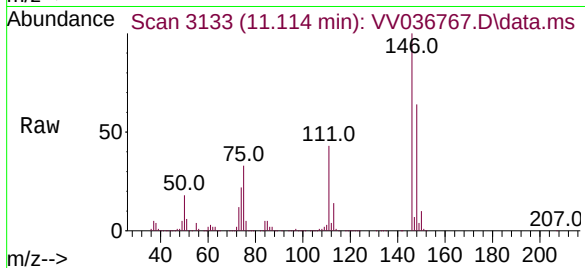
Tgt Ion:146 Resp: 1426034

Ion Ratio Lower Upper

146 100

111 43.0 29.8 55.4

148 64.3 43.4 80.6



#65

1,4-Dichlorobenzene

Concen: 102.365 ug/L

RT: 11.204 min Scan# 3161

Delta R.T. 0.000 min

Lab File: VV036767.D

Acq: 02 Aug 2024 17:23

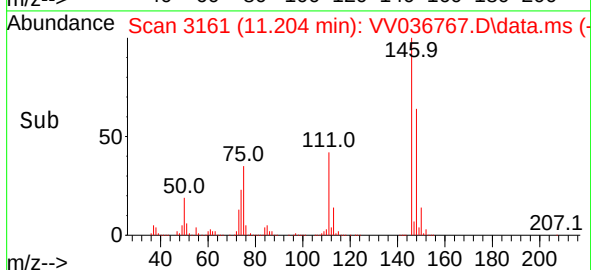
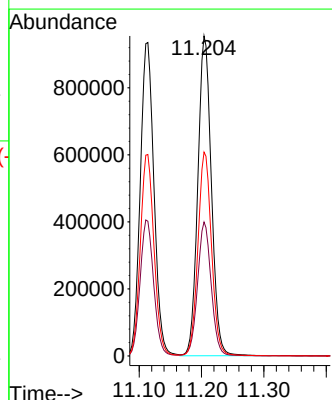
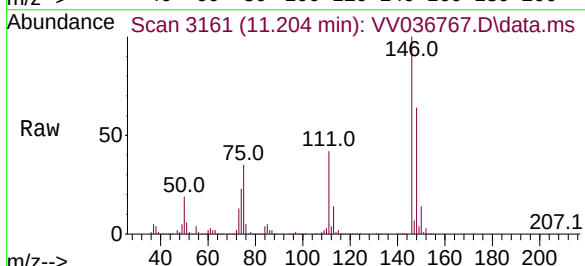
Tgt Ion:146 Resp: 1443551

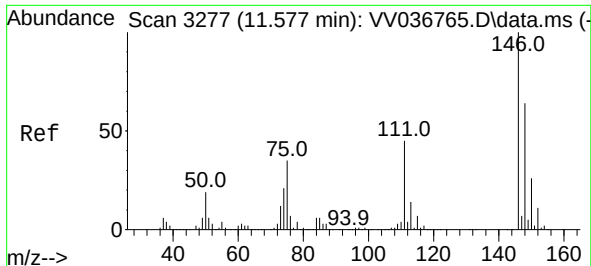
Ion Ratio Lower Upper

146 100

111 41.8 29.0 53.9

148 63.7 43.8 81.4





#67

1,2-Dichlorobenzene

Concen: 102.660 ug/L

RT: 11.574 min Scan# 31

Delta R.T. -0.003 min

Lab File: VV036767.D

Acq: 02 Aug 2024 17:23

Instrument :

MSVOA\_V

ClientSampleId :

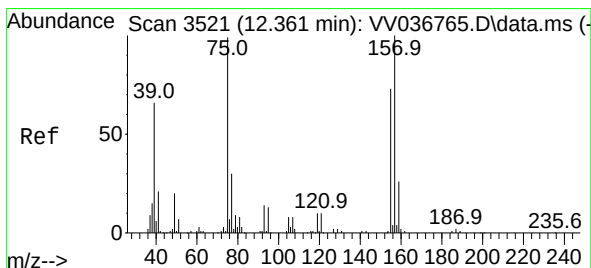
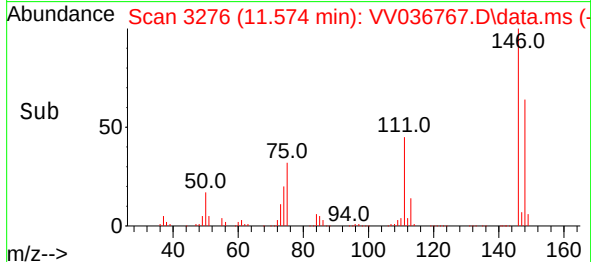
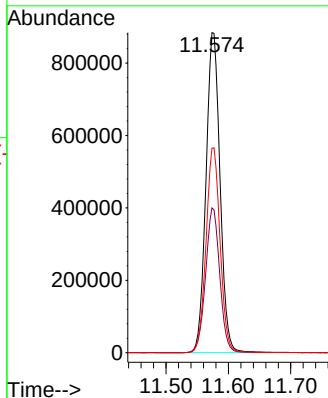
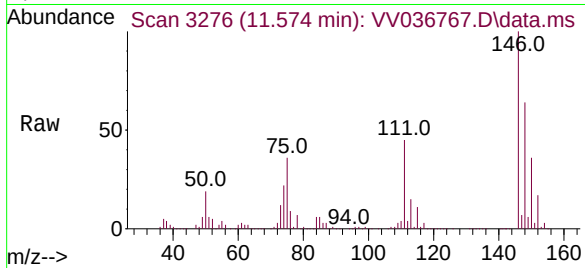
Tgt Ion:146 Resp: 1386001

Ion Ratio Lower Upper

146 100

111 45.2 35.7 53.5

148 63.9 51.2 76.8



#68

1,2-Dibromo-3-chloropropane

Concen: 110.819 ug/L

RT: 12.358 min Scan# 3520

Delta R.T. -0.003 min

Lab File: VV036767.D

Acq: 02 Aug 2024 17:23

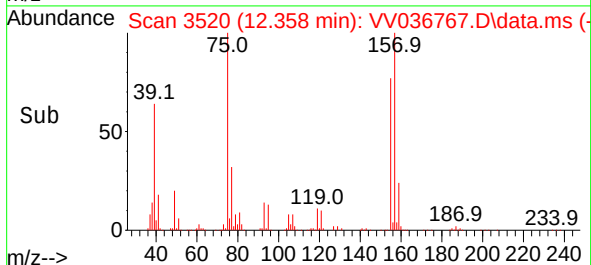
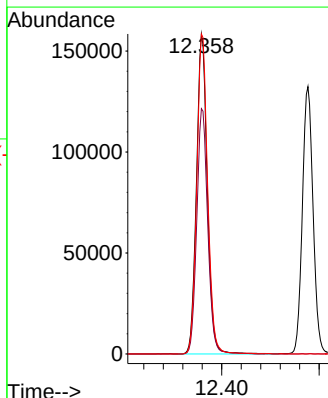
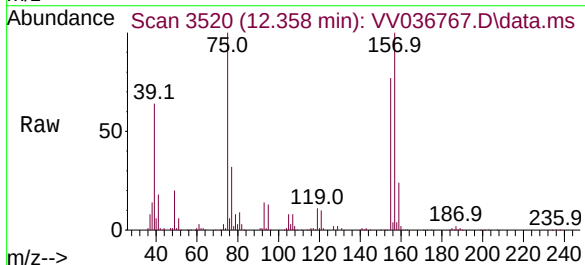
Tgt Ion: 75 Resp: 245371

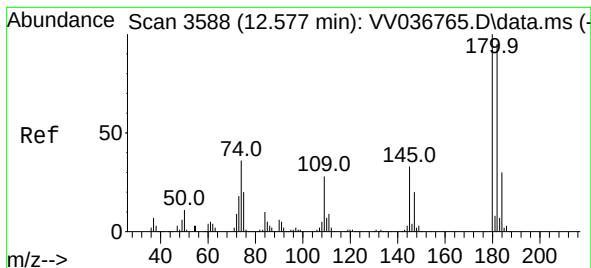
Ion Ratio Lower Upper

75 100

155 76.7 59.5 89.3

157 100.0 81.0 121.4





#69

1,3,5-Trichlorobenzene

Concen: 105.436 ug/L

RT: 12.577 min Scan# 3588

Delta R.T. 0.000 min

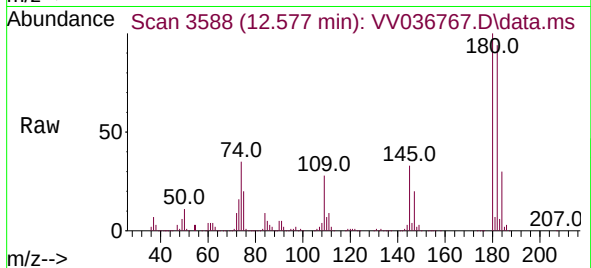
Lab File: VV036767.D

Acq: 02 Aug 2024 17:23

Instrument :

MSVOA\_V

ClientSampleId :



Tgt Ion:180 Resp: 1018697

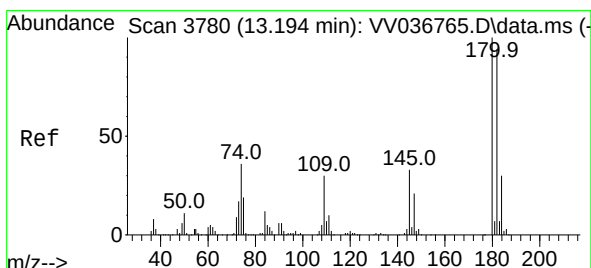
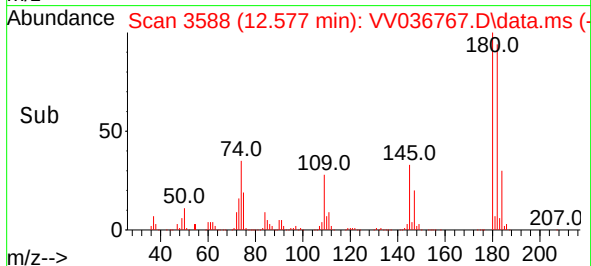
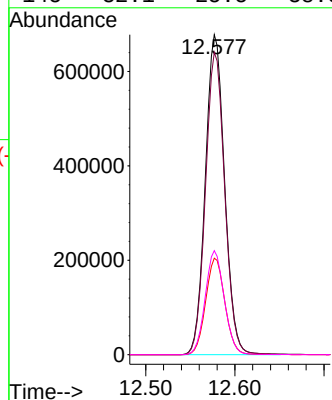
Ion Ratio Lower Upper

180 100

182 94.4 75.0 112.6

184 30.2 23.7 35.5

145 32.1 25.5 38.3



#70

1,2,4-trichlorobenzene

Concen: 105.447 ug/L

RT: 13.194 min Scan# 3780

Delta R.T. 0.000 min

Lab File: VV036767.D

Acq: 02 Aug 2024 17:23

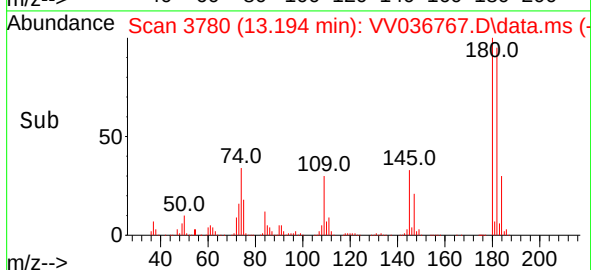
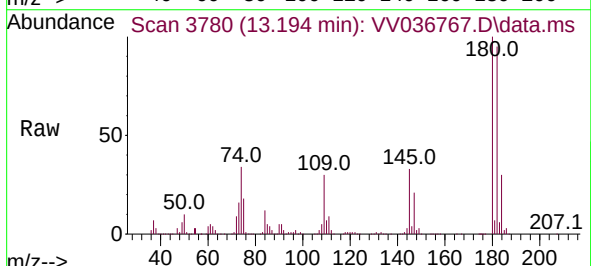
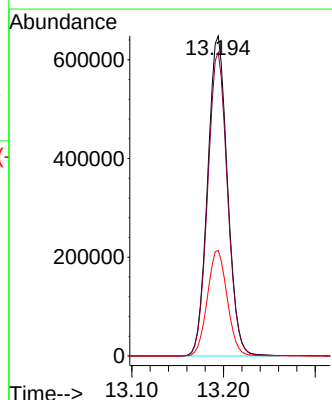
Tgt Ion:180 Resp: 973015

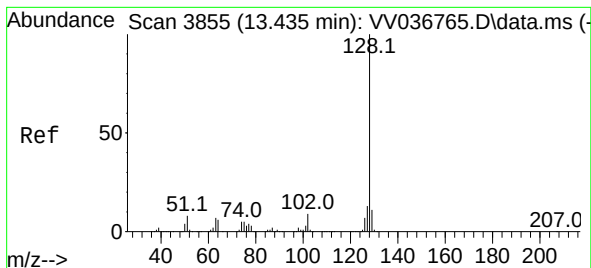
Ion Ratio Lower Upper

180 100

182 94.8 75.1 112.7

145 33.2 26.5 39.7





#71

Naphthalene

Concen: 108.916 ug/L

RT: 13.432 min Scan# 3854

Delta R.T. -0.003 min

Lab File: VV036767.D

Acq: 02 Aug 2024 17:23

Instrument :

MSVOA\_V

ClientSampleId :

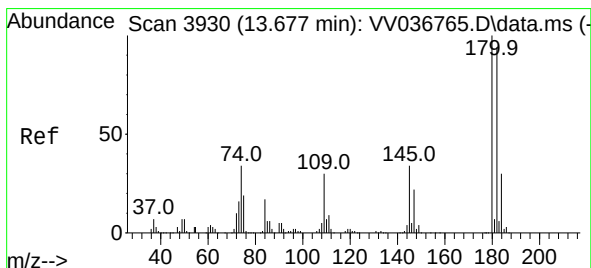
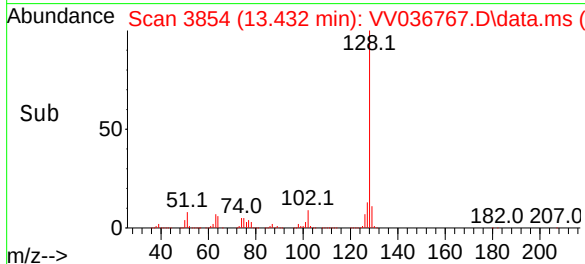
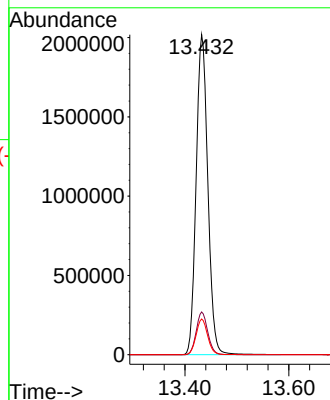
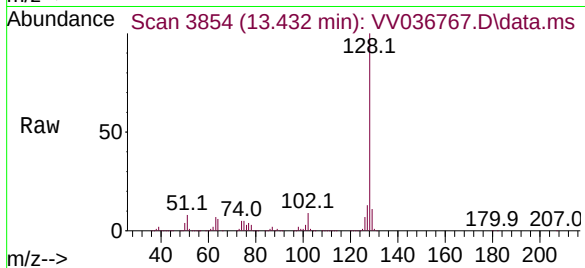
Tgt Ion:128 Resp: 3145457

Ion Ratio Lower Upper

128 100

127 13.2 10.5 15.7

129 11.0 8.7 13.1



#72

1,2,3-Trichlorobenzene

Concen: 105.862 ug/L

RT: 13.677 min Scan# 3930

Delta R.T. 0.000 min

Lab File: VV036767.D

Acq: 02 Aug 2024 17:23

Tgt Ion:180 Resp: 949657

Ion Ratio Lower Upper

180 100

182 95.0 76.2 114.2

145 34.6 27.8 41.6

