

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD051724\  
 Data File : VD078956.D  
 Acq On : 17 May 2024 09:38  
 Operator : RP/MD  
 Sample : VSTD2.5  
 Misc : 5.00G/10ml/MSVOA\_D/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :

Quant Time: May 18 00:34:38 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM051724SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Sat May 18 00:33:46 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Difluorobenzene        | 8.775  | 114  | 127317   | 25.000 | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.581 | 117  | 131548   | 25.000 | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.516 | 152  | 65250    | 25.000 | ug/L   | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 4) Vinyl Chloride-d3          | 2.275  | 65   | 8715     | 2.792  | ug/L   | 0.00     |
| 7) Chloroethane-d5            | 2.805  | 69   | 10087    | 3.019  | ug/L   | 0.00     |
| 11) 1,1-Dichloroethene-d2     | 3.922  | 65   | 2028     | 3.377  | ug/L   | 0.00     |
| 21) 2-Butanone-d5             | 6.993  | 46   | 1538     | 3.481  | ug/L   | 0.00     |
| 24) Chloroform-d              | 7.569  | 84   | 11214    | 2.959  | ug/L   | 0.00     |
| 26) 1,2-Dichloroethane-d4     | 8.234  | 65   | 5635     | 3.131  | ug/L   | 0.00     |
| 32) Benzene-d6                | 8.199  | 84   | 19979    | 2.977  | ug/L   | 0.00     |
| 36) 1,2-Dichloropropane-d6    | 9.210  | 67   | 6596     | 3.225  | ug/L   | 0.00     |
| 41) Toluene-d8                | 10.269 | 98   | 17759    | 2.870  | ug/L   | 0.00     |
| 43) trans-1,3-Dichloroprop... | 10.528 | 79   | 2741     | 2.909  | ug/L   | 0.00     |
| 47) 2-Hexanone-d5             | 10.875 | 63   | 1895     | 4.623  | ug/L   | 0.00     |
| 56) 1,1,2,2-Tetrachloroeth... | 12.645 | 84   | 7032     | 3.023  | ug/L   | 0.00     |
| 66) 1,2-Dichlorobenzene-d4    | 13.816 | 152  | 6889     | 3.111  | ug/L   | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        |        | Qvalue   |
| 2) Dichlorodifluoromethane    | 1.934  | 85   | 8121     | 3.188  | ug/L   | 94       |
| 3) Chloromethane              | 2.152  | 50   | 9907     | 3.170  | ug/L   | 96       |
| 5) Vinyl chloride             | 2.287  | 62   | 14535    | 2.842  | ug/L   | 94       |
| 6) Bromomethane               | 2.693  | 94   | 9742     | 2.664  | ug/L   | 91       |
| 8) Chloroethane               | 2.840  | 64   | 11885    | 3.009  | ug/L   | 93       |
| 9) Trichlorofluoromethane     | 3.175  | 101  | 12132    | 3.042  | ug/L   | 91       |
| 10) 1,1,2-Trichloro-1,2,2-... | 3.964  | 101  | 6927     | 2.767  | ug/L # | 51       |
| 12) 1,1-Dichloroethene        | 3.940  | 96   | 5262     | 2.390  | ug/L   | 85       |
| 13) Acetone                   | 4.017  | 43   | 1854     | 3.397  | ug/L   | 79       |
| 14) Carbon disulfide          | 4.269  | 76   | 19407    | 3.042  | ug/L # | 91       |
| 15) Methyl Acetate            | 4.552  | 43   | 518      | 0.575  | ug/L # | 84       |
| 16) Methylene chloride        | 4.811  | 84   | 13042    | 4.324  | ug/L   | 97       |
| 17) trans-1,2-Dichloroethene  | 5.316  | 96   | 5970     | 2.663  | ug/L   | 83       |
| 18) Methyl tert-butyl Ether   | 5.322  | 73   | 10973    | 2.296  | ug/L # | 76       |
| 19) 1,1-Dichloroethane        | 6.111  | 63   | 10258    | 2.725  | ug/L   | 89       |
| 20) cis-1,2-Dichloroethene    | 7.069  | 96   | 4403     | 1.722  | ug/L   | 99       |
| 22) 2-Butanone                | 7.087  | 43   | 1059     | 1.726  | ug/L # | 41       |
| 23) Bromochloromethane        | 7.422  | 128  | 3234     | 2.531  | ug/L # | 86       |
| 25) Chloroform                | 7.599  | 83   | 12656    | 2.797  | ug/L   | 100      |
| 27) 1,2-Dichloroethane        | 8.328  | 62   | 6970     | 2.659  | ug/L   | 97       |
| 29) Cyclohexane               | 7.881  | 56   | 6721     | 2.658  | ug/L # | 86       |
| 30) 1,1,1-Trichloroethane     | 7.787  | 97   | 8976     | 2.466  | ug/L   | 92       |
| 31) Carbon tetrachloride      | 7.993  | 117  | 8543     | 2.549  | ug/L   | 98       |
| 33) Benzene                   | 8.252  | 78   | 23068    | 2.558  | ug/L   | 100      |
| 34) Trichloroethene           | 9.022  | 95   | 6350     | 2.733  | ug/L   | 81       |
| 35) Methylcyclohexane         | 9.275  | 83   | 7540     | 2.159  | ug/L   | 90       |
| 37) 1,2-Dichloropropane       | 9.304  | 63   | 5820     | 2.547  | ug/L # | 85       |
| 38) Bromodichloromethane      | 9.587  | 83   | 8614     | 2.666  | ug/L # | 89       |
| 39) cis-1,3-Dichloropropene   | 10.016 | 75   | 8892     | 2.480  | ug/L   | 93       |
| 40) 4-Methyl-2-pentanone      | 10.157 | 43   | 5236     | 4.536  | ug/L # | 90       |
| 42) Toluene                   | 10.334 | 91   | 22769    | 2.297  | ug/L   | 92       |
| 44) trans-1,3-Dichloropropene | 10.551 | 75   | 7625     | 2.406  | ug/L   | 90       |

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 Operator : RP/MD  
 Sample : VSTD2.5  
 Misc : 5.00G/10ml/MSVOA\_D/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

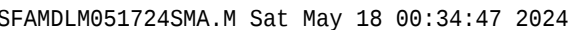
Instrument :  
 MSVOA\_D  
 ClientSampleId :

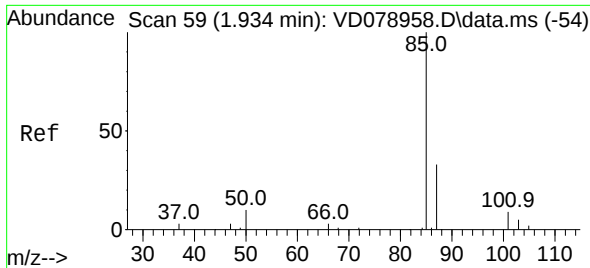
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 Quant Title : SFAM01.0  
 QLast Update : Sat May 18 00:33:46 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| -----                         |        |      |          |       |        |          |
| 45) 1,1,2-Trichloroethane     | 10.734 | 97   | 5561     | 2.661 | ug/L   | 95       |
| 46) Tetrachloroethene         | 10.816 | 164  | 5249     | 2.626 | ug/L   | 85       |
| 48) 2-Hexanone                | 10.922 | 43   | 3415     | 3.816 | ug/L # | 89       |
| 49) Dibromochloromethane      | 11.069 | 129  | 6425     | 2.529 | ug/L   | 80       |
| 50) 1,2-Dibromoethane         | 11.175 | 107  | 5492     | 2.782 | ug/L # | 91       |
| 51) Chlorobenzene             | 11.604 | 112  | 18094    | 2.583 | ug/L   | 95       |
| 52) Ethylbenzene              | 11.687 | 91   | 23088    | 2.158 | ug/L   | 86       |
| 53) m,p-Xylene                | 11.793 | 106  | 9270     | 2.166 | ug/L   | 75       |
| 54) o-Xylene                  | 12.122 | 106  | 8023     | 1.924 | ug/L   | 94       |
| 55) Styrene                   | 12.134 | 104  | 14097    | 1.913 | ug/L   | 91       |
| 57) 1,1,2,2-Tetrachloroethane | 12.669 | 83   | 6431     | 2.537 | ug/L # | 99       |
| 59) Bromoform                 | 12.304 | 173  | 4142     | 2.805 | ug/L # | 87       |
| 60) Isopropylbenzene          | 12.422 | 105  | 22596    | 2.342 | ug/L   | 98       |
| 61) 1,2,3-Trichloropropane    | 12.722 | 75   | 4295     | 2.872 | ug/L   | 99       |
| 62) 1,3,5-Trimethylbenzene    | 12.904 | 105  | 13818    | 1.938 | ug/L   | 97       |
| 63) 1,2,4-Trimethylbenzene    | 13.210 | 105  | 14872    | 2.053 | ug/L   | 99       |
| 64) 1,3-Dichlorobenzene       | 13.457 | 146  | 11344    | 2.421 | ug/L   | 89       |
| 65) 1,4-Dichlorobenzene       | 13.540 | 146  | 12552    | 2.485 | ug/L   | 96       |
| 67) 1,2-Dichlorobenzene       | 13.834 | 146  | 10742    | 2.423 | ug/L   | 90       |
| 68) 1,2-Dibromo-3-chloropr... | 14.592 | 75   | 1139     | 3.656 | ug/L # | 1        |
| 69) 1,3,5-Trichlorobenzene    | 14.592 | 180  | 7569     | 2.488 | ug/L   | 96       |
| 70) 1,2,4-trichlorobenzene    | 15.098 | 180  | 6056     | 2.351 | ug/L   | 92       |
| 71) Naphthalene               | 15.328 | 128  | 11668    | 2.220 | ug/L # | 93       |
| 72) 1,2,3-Trichlorobenzene    | 15.522 | 180  | 5249     | 2.180 | ug/L # | 95       |
| -----                         |        |      |          |       |        |          |

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

Quant Time: May 18 00:34:38 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM051724SMA.M  
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QLast Update : Sat May 18 00:33:46 2024  
Response via : Initial Calibration

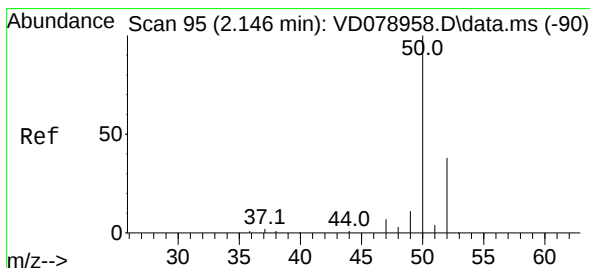
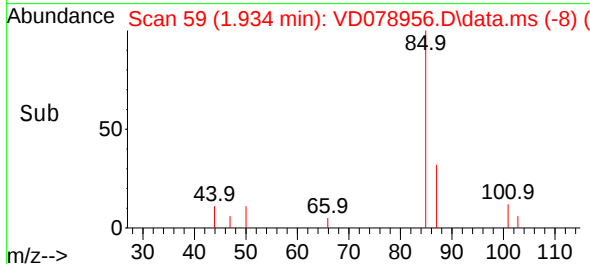
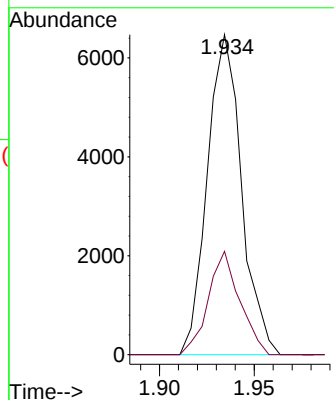
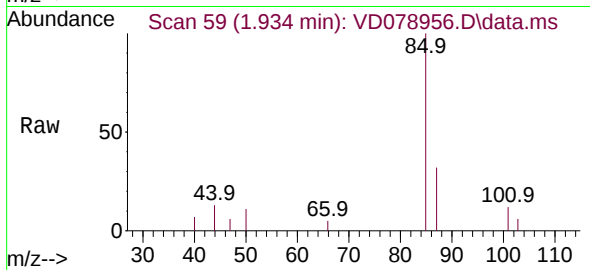




#2  
 Dichlorodifluoromethane  
 Concen: 3.188 ug/L  
 RT: 1.934 min Scan# 59  
 Delta R.T. 0.000 min  
 Lab File: VD078956.D  
 Acq: 17 May 2024 09:38

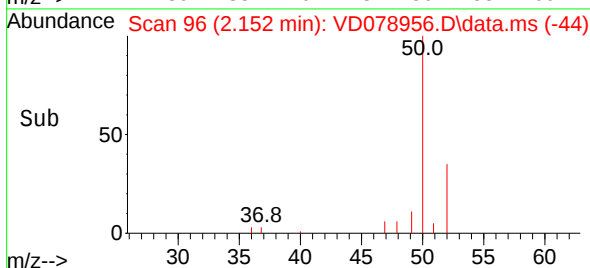
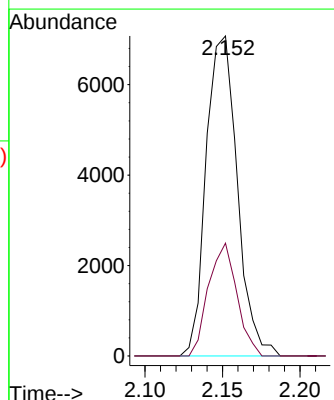
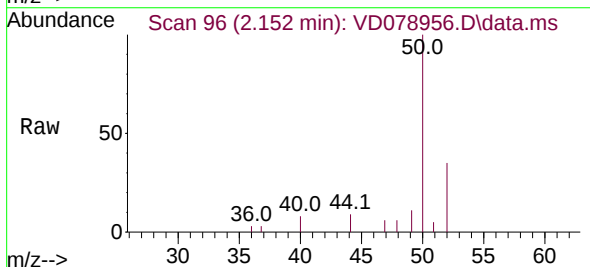
Instrument :  
 MSVOA\_D  
 ClientSampleId :

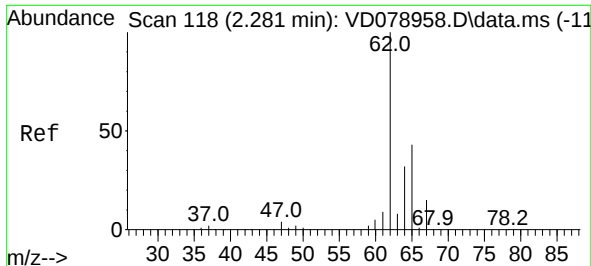
Tgt Ion: 85 Resp: 8121  
 Ion Ratio Lower Upper  
 85 100  
 87 29.8 26.3 39.5



#3  
 Chloromethane  
 Concen: 3.170 ug/L  
 RT: 2.152 min Scan# 96  
 Delta R.T. 0.006 min  
 Lab File: VD078956.D  
 Acq: 17 May 2024 09:38

Tgt Ion: 50 Resp: 9907  
 Ion Ratio Lower Upper  
 50 100  
 52 35.3 26.5 49.3

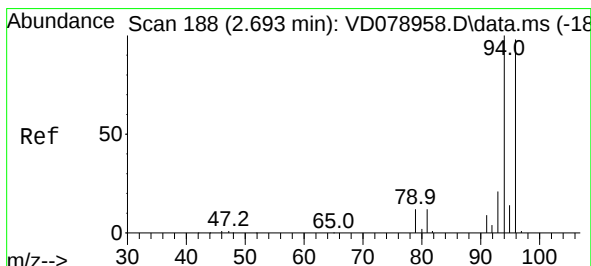
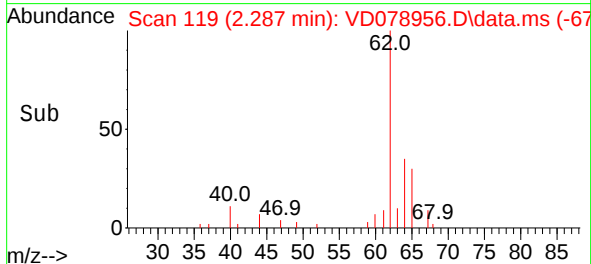
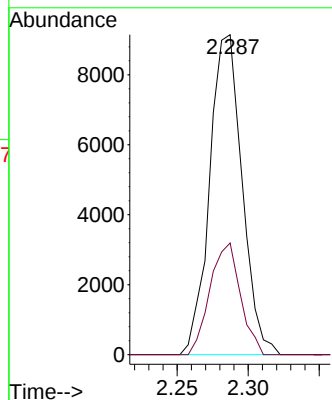
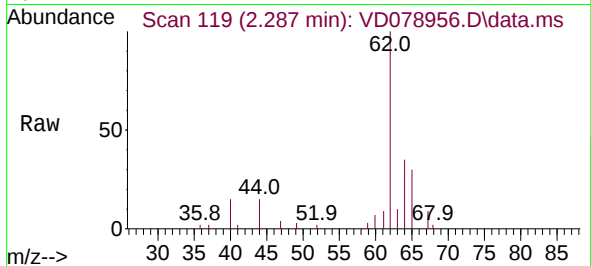




#5  
 Vinyl chloride  
 Concen: 2.842 ug/L  
 RT: 2.287 min Scan# 118  
 Delta R.T. 0.006 min  
 Lab File: VD078956.D  
 Acq: 17 May 2024 09:38

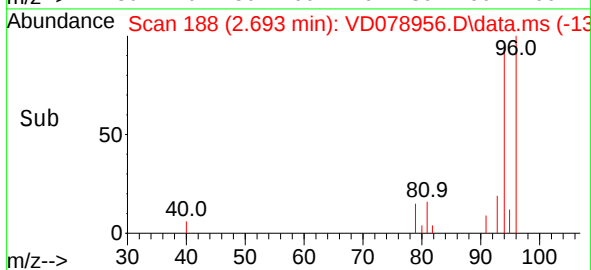
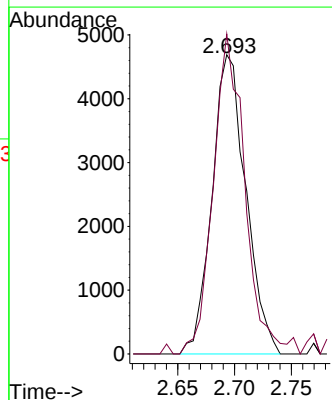
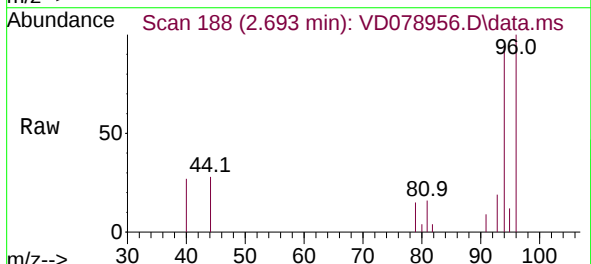
Instrument :  
 MSVOA\_D  
 ClientSampleId :

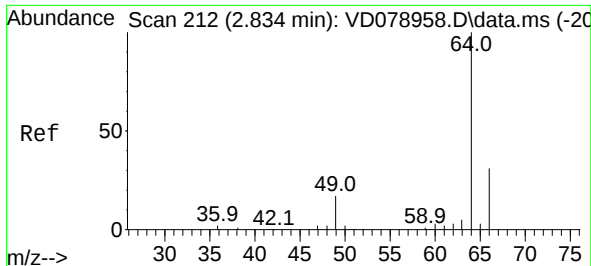
Tgt Ion: 62 Resp: 14535  
 Ion Ratio Lower Upper  
 62 100  
 64 34.9 22.3 41.3



#6  
 Bromomethane  
 Concen: 2.664 ug/L  
 RT: 2.693 min Scan# 188  
 Delta R.T. 0.000 min  
 Lab File: VD078956.D  
 Acq: 17 May 2024 09:38

Tgt Ion: 94 Resp: 9742  
 Ion Ratio Lower Upper  
 94 100  
 96 106.9 69.0 128.1

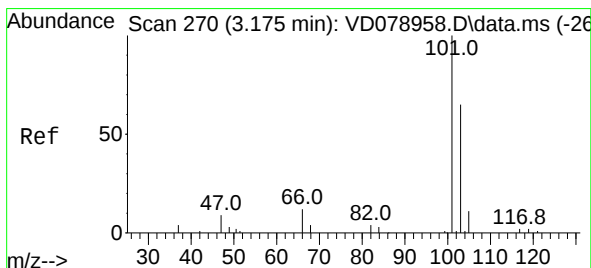
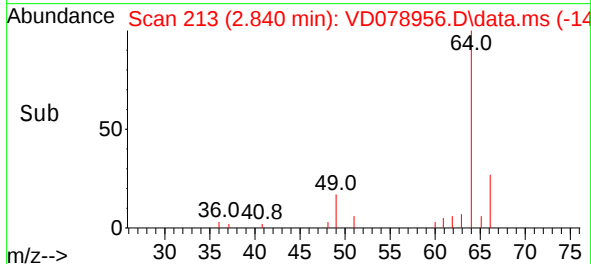
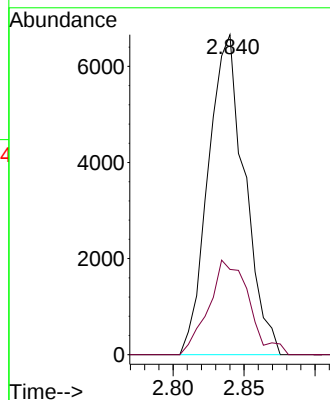
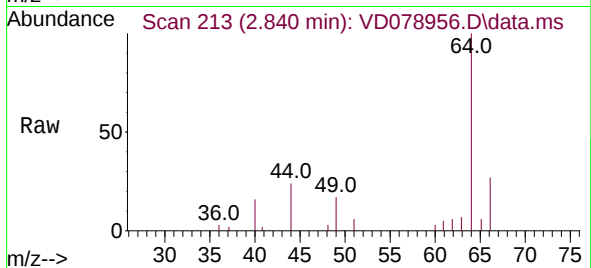




#8  
Chloroethane  
Concen: 3.009 ug/L  
RT: 2.840 min Scan# 212  
Delta R.T. 0.006 min  
Lab File: VD078956.D  
Acq: 17 May 2024 09:38

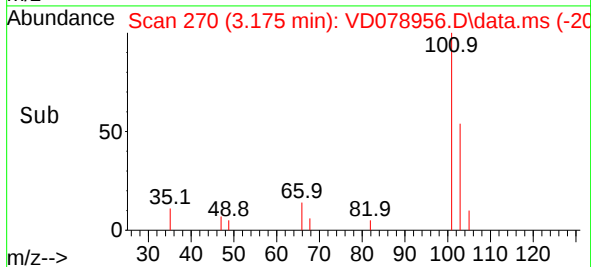
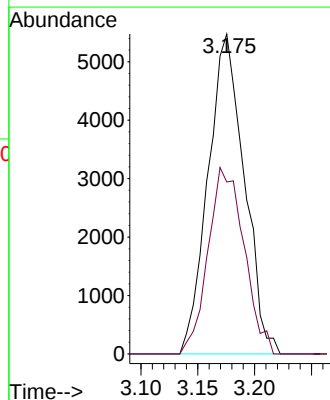
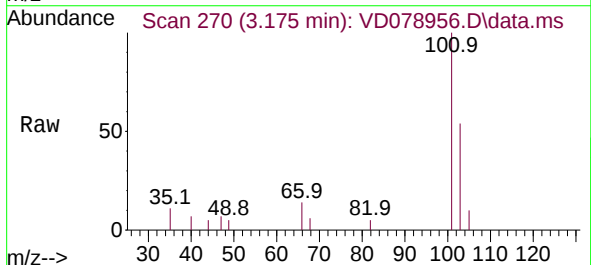
Instrument :  
MSVOA\_D  
ClientSampleId :

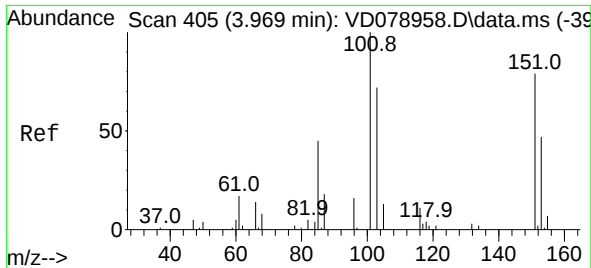
Tgt Ion: 64 Resp: 11885  
Ion Ratio Lower Upper  
64 100  
66 26.7 21.5 39.9



#9  
Trichlorofluoromethane  
Concen: 3.042 ug/L  
RT: 3.175 min Scan# 270  
Delta R.T. 0.000 min  
Lab File: VD078956.D  
Acq: 17 May 2024 09:38

Tgt Ion:101 Resp: 12132  
Ion Ratio Lower Upper  
101 100  
103 57.8 51.9 77.9





#10

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

Concen: 2.767 ug/L

RT: 3.964 min Scan# 405

Delta R.T. -0.006 min

Lab File: VD078956.D

Acq: 17 May 2024 09:38

Instrument :

MSVOA\_D

ClientSampleId :

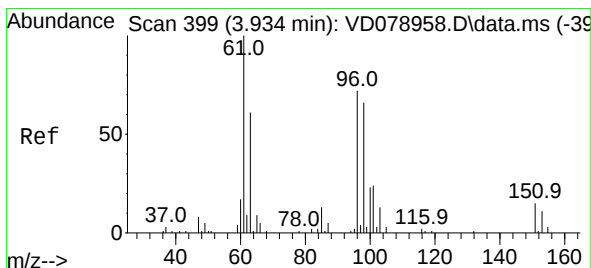
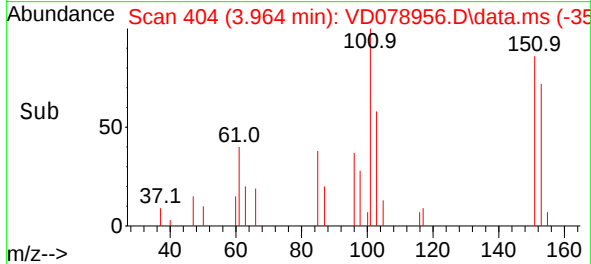
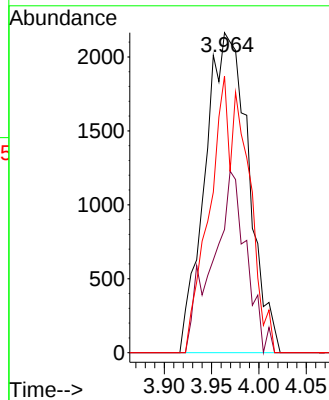
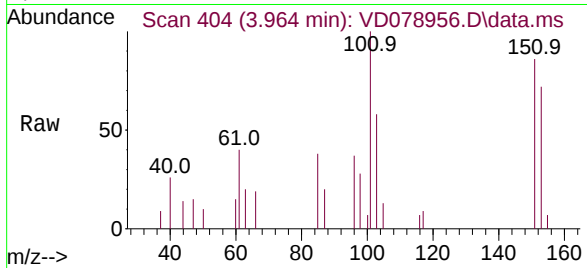
Tgt Ion:101 Resp: 6927

Ion Ratio Lower Upper

101 100

85 6.1 36.2 54.2#

151 41.6 62.9 94.3#



#12

1,1-Dichloroethene

Concen: 2.390 ug/L

RT: 3.940 min Scan# 400

Delta R.T. 0.006 min

Lab File: VD078956.D

Acq: 17 May 2024 09:38

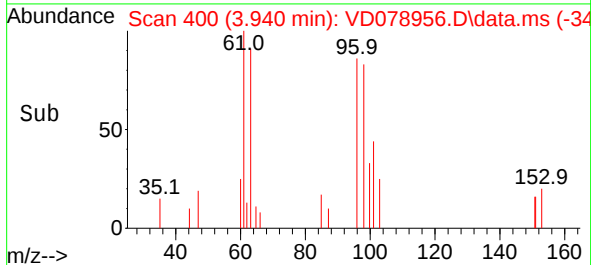
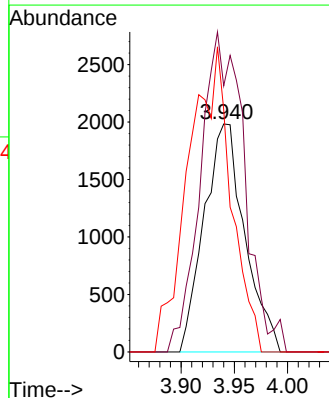
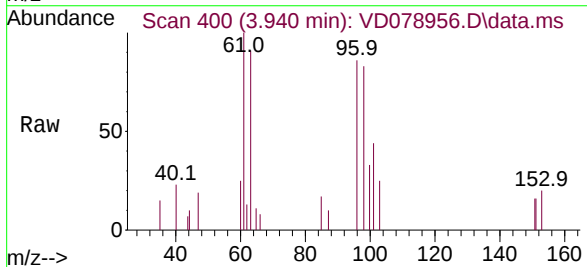
Tgt Ion: 96 Resp: 5262

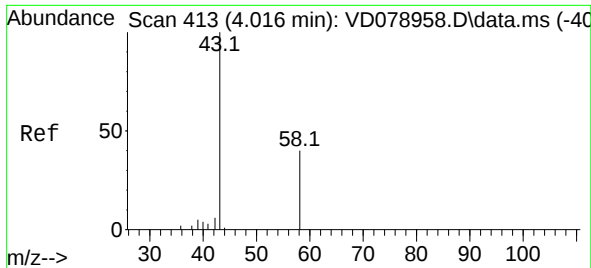
Ion Ratio Lower Upper

96 100

61 116.7 98.6 183.0

63 106.3 68.3 126.8





#13

Acetone

Concen: 3.397 ug/L

RT: 4.017 min Scan# 413

Delta R.T. 0.000 min

Lab File: VD078956.D

Acq: 17 May 2024 09:38

Instrument :

MSVOA\_D

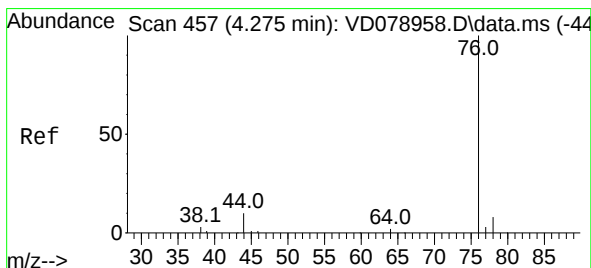
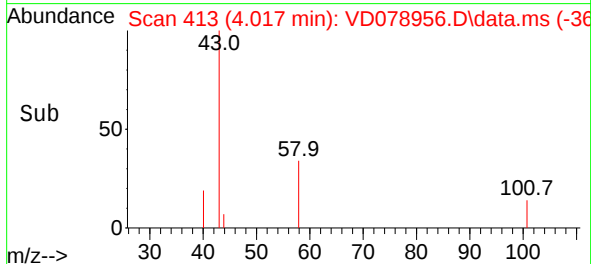
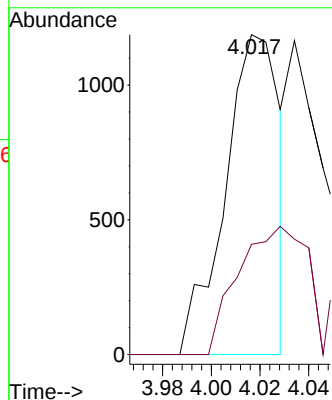
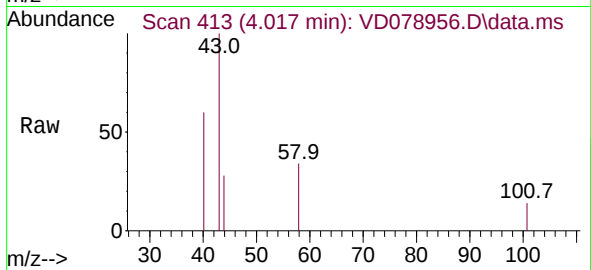
ClientSampleId :

Tgt Ion: 43 Resp: 1854

Ion Ratio Lower Upper

43 100

58 50.1 0.0 75.0



#14

Carbon disulfide

Concen: 3.042 ug/L

RT: 4.269 min Scan# 456

Delta R.T. -0.006 min

Lab File: VD078956.D

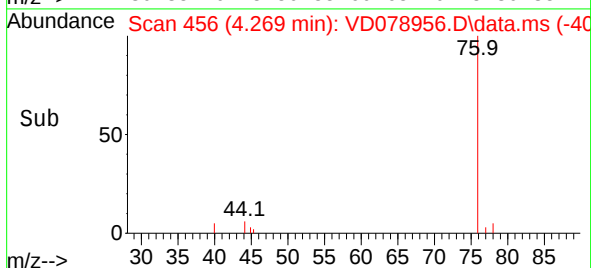
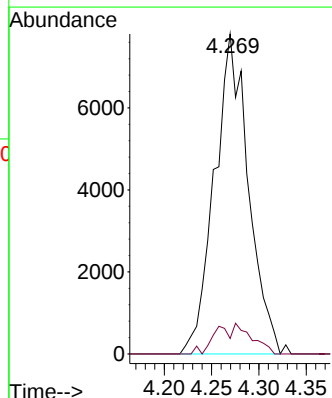
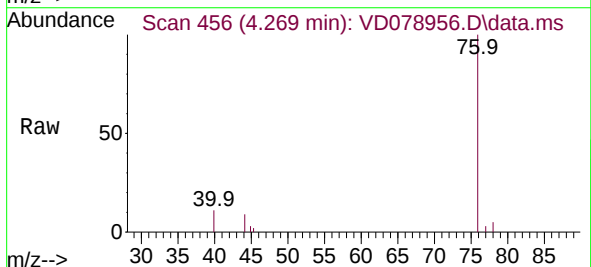
Acq: 17 May 2024 09:38

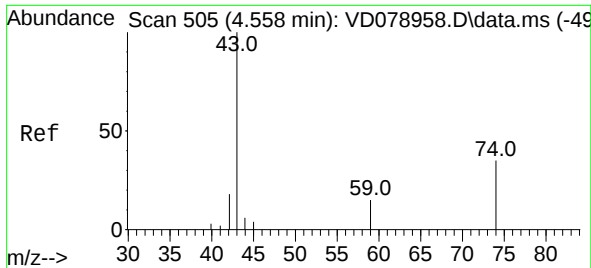
Tgt Ion: 76 Resp: 19407

Ion Ratio Lower Upper

76 100

78 4.9 6.5 9.7#

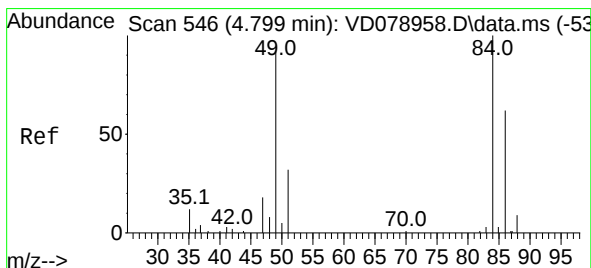
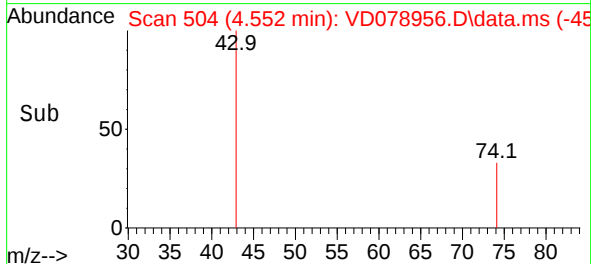
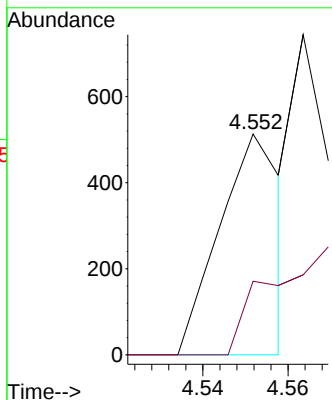
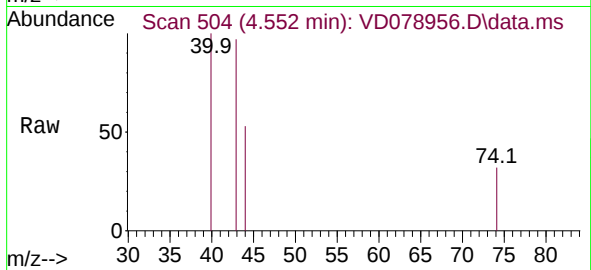




#15  
Methyl Acetate  
Concen: 0.575 ug/L  
RT: 4.552 min Scan# 505  
Delta R.T. -0.006 min  
Lab File: VD078956.D  
Acq: 17 May 2024 09:38

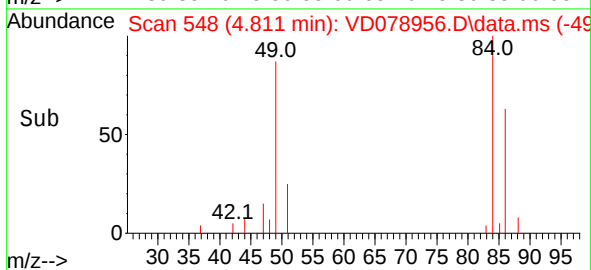
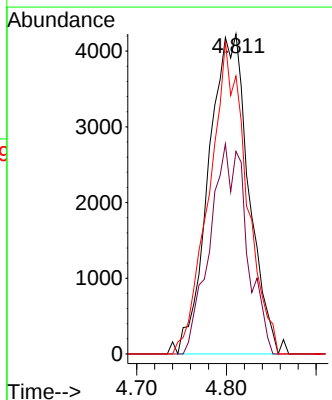
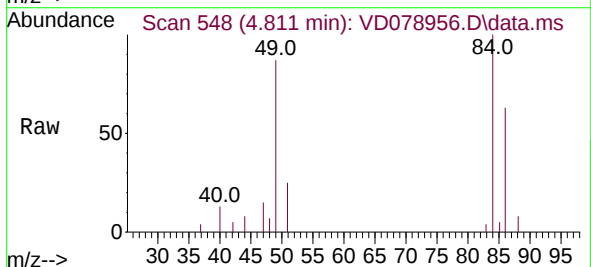
Instrument :  
MSVOA\_D  
ClientSampleId :

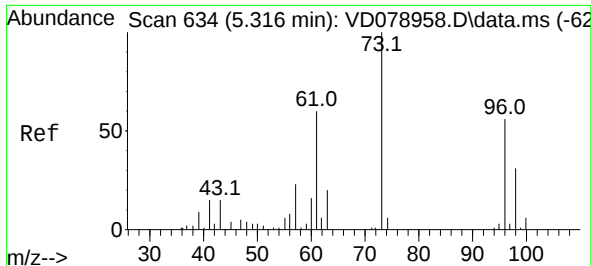
Tgt Ion: 43 Resp: 518  
Ion Ratio Lower Upper  
43 100  
74 22.6 25.1 37.7#



#16  
Methylene chloride  
Concen: 4.324 ug/L  
RT: 4.811 min Scan# 548  
Delta R.T. 0.012 min  
Lab File: VD078956.D  
Acq: 17 May 2024 09:38

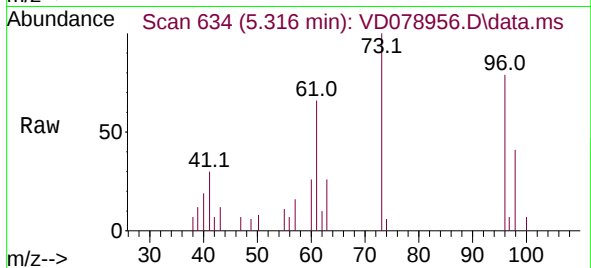
Tgt Ion: 84 Resp: 13042  
Ion Ratio Lower Upper  
84 100  
86 63.3 43.7 81.1  
49 86.8 64.0 119.0



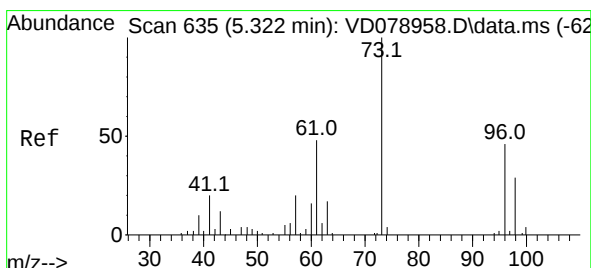
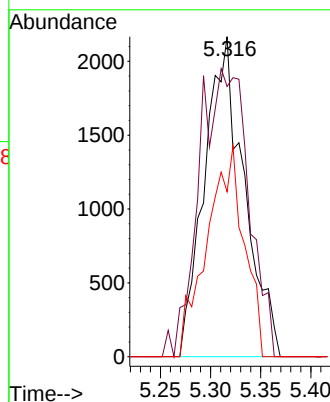
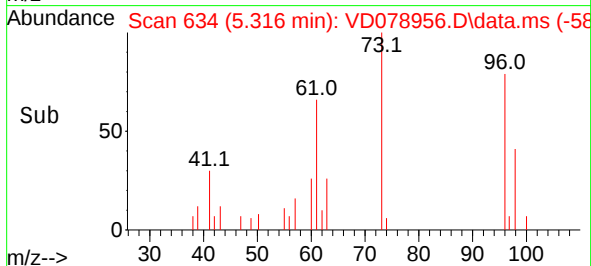


#17  
trans-1,2-Dichloroethene  
Concen: 2.663 ug/L  
RT: 5.316 min Scan# 61  
Delta R.T. 0.000 min  
Lab File: VD078956.D  
Acq: 17 May 2024 09:38

Instrument :  
MSVOA\_D  
ClientSampleId :

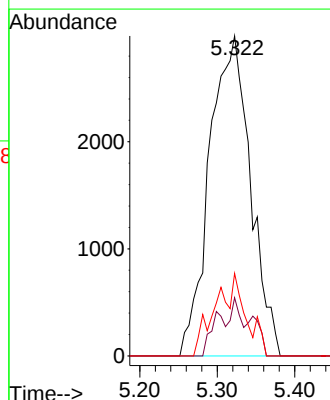
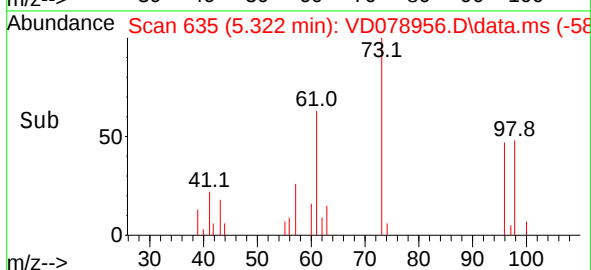
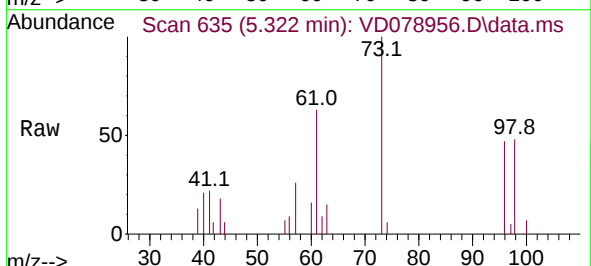


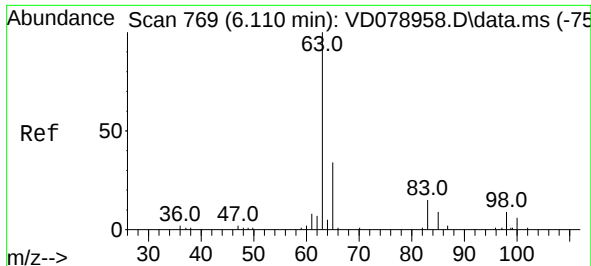
Tgt Ion: 96 Resp: 5970  
Ion Ratio Lower Upper  
96 100  
61 84.4 75.5 140.1  
98 51.5 39.1 72.7



#18  
Methyl tert-butyl Ether  
Concen: 2.296 ug/L  
RT: 5.322 min Scan# 635  
Delta R.T. 0.000 min  
Lab File: VD078956.D  
Acq: 17 May 2024 09:38

Tgt Ion: 73 Resp: 10973  
Ion Ratio Lower Upper  
73 100  
43 4.9 6.7 10.1#  
57 7.1 16.8 25.2#

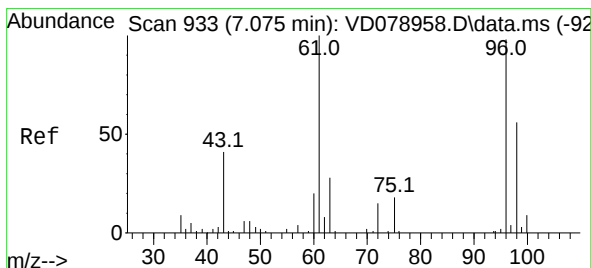
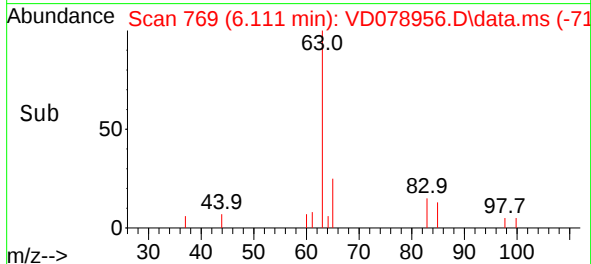
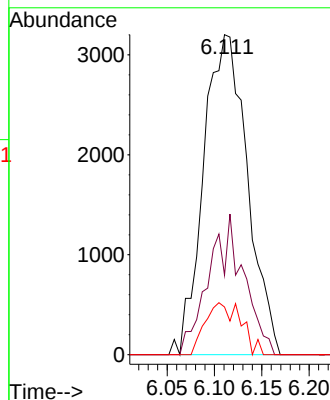
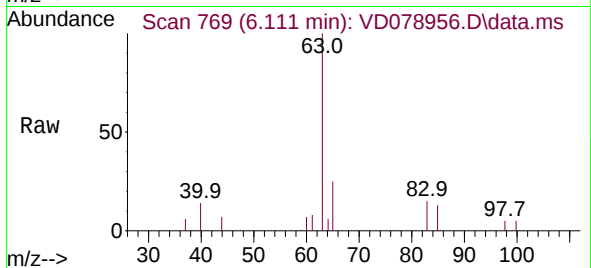




#19  
1,1-Dichloroethane  
Concen: 2.725 ug/L  
RT: 6.111 min Scan# 769  
Delta R.T. 0.000 min  
Lab File: VD078956.D  
Acq: 17 May 2024 09:38

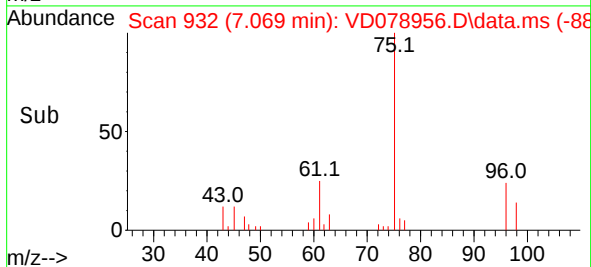
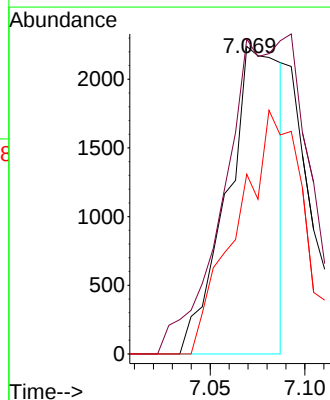
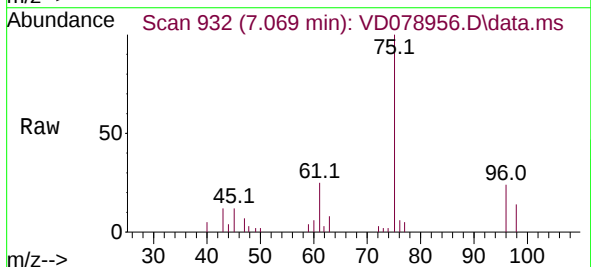
Instrument :  
MSVOA\_D  
ClientSampleId :

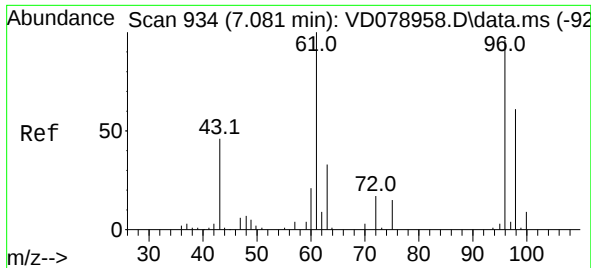
|             |             |
|-------------|-------------|
| Tgt Ion: 63 | Resp: 10258 |
| Ion Ratio   | Lower Upper |
| 63 100      |             |
| 65 24.8     | 23.5 43.7   |
| 83 14.9     | 10.4 19.2   |



#20  
cis-1,2-Dichloroethene  
Concen: 1.722 ug/L  
RT: 7.069 min Scan# 932  
Delta R.T. -0.006 min  
Lab File: VD078956.D  
Acq: 17 May 2024 09:38

|             |             |
|-------------|-------------|
| Tgt Ion: 96 | Resp: 4403  |
| Ion Ratio   | Lower Upper |
| 96 100      |             |
| 61 102.4    | 71.6 133.0  |
| 98 58.4     | 40.1 74.5   |





#22

2-Butanone

Concen: 1.726 ug/L

RT: 7.087 min Scan# 91

Delta R.T. 0.006 min

Lab File: VD078956.D

Acq: 17 May 2024 09:38

Instrument :

MSVOA\_D

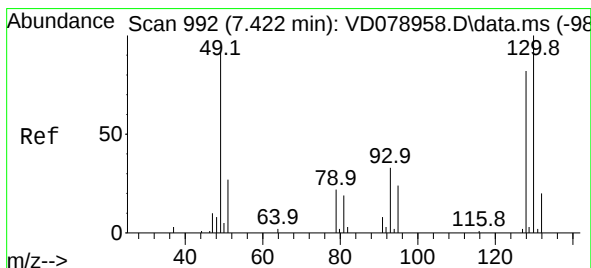
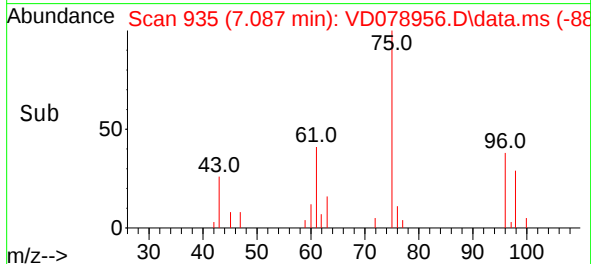
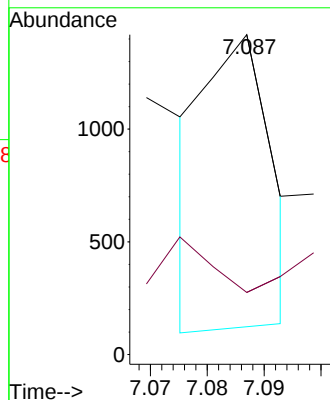
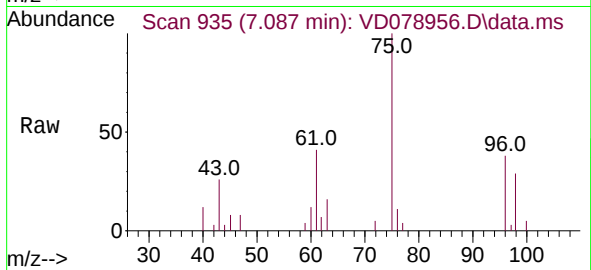
ClientSampleId :

Tgt Ion: 43 Resp: 1059

Ion Ratio Lower Upper

43 100

72 0.0 17.1 51.2#



#23

Bromochloromethane

Concen: 2.531 ug/L

RT: 7.422 min Scan# 992

Delta R.T. 0.000 min

Lab File: VD078956.D

Acq: 17 May 2024 09:38

Tgt Ion: 128 Resp: 3234

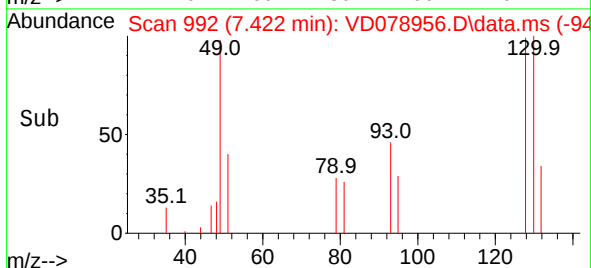
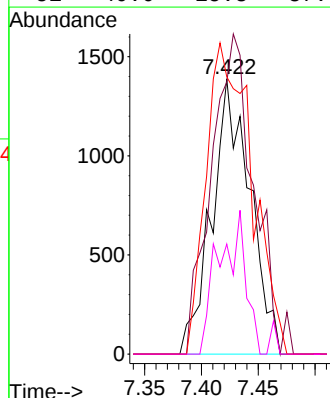
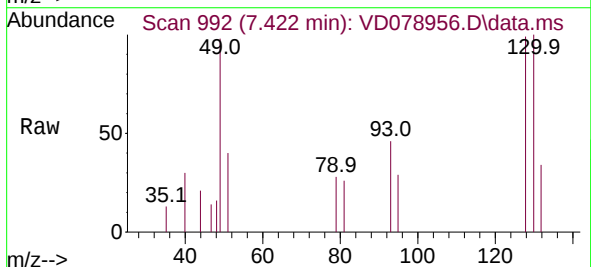
Ion Ratio Lower Upper

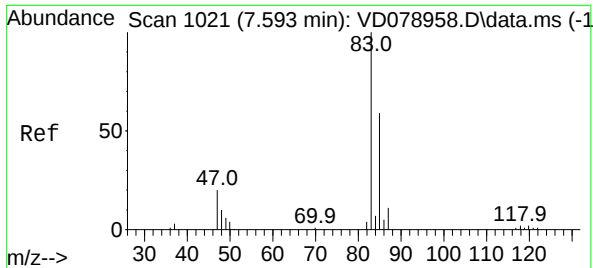
128 100

49 98.8 77.3 143.5

130 100.7 83.4 154.8

51 40.0 25.3 37.9#

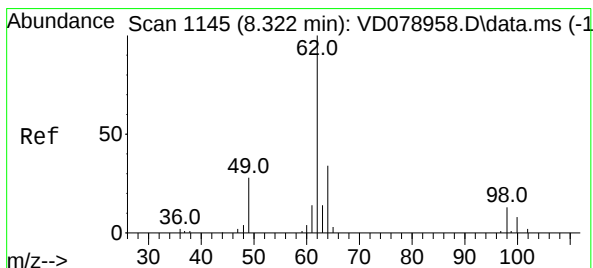
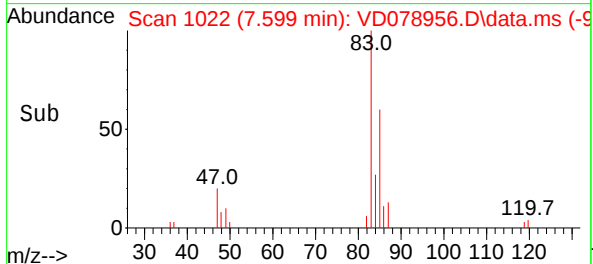
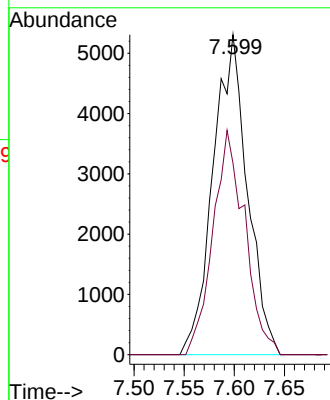
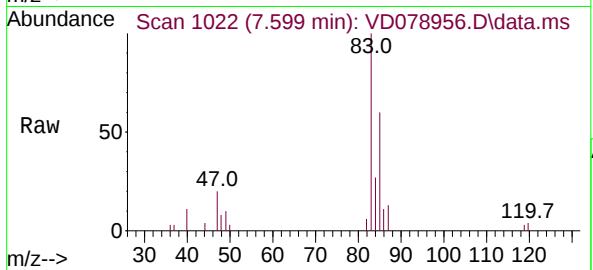




#25  
Chloroform  
Concen: 2.797 ug/L  
RT: 7.599 min Scan# 1102  
Delta R.T. 0.006 min  
Lab File: VD078956.D  
Acq: 17 May 2024 09:38

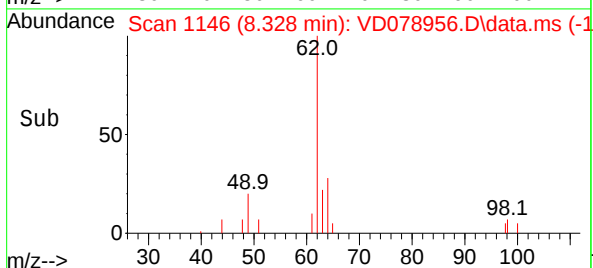
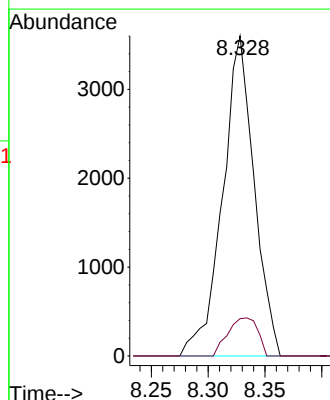
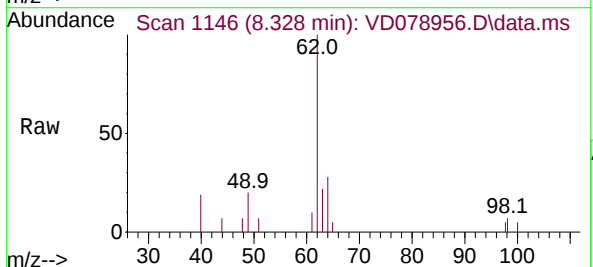
Instrument :  
MSVOA\_D  
ClientSampleId :

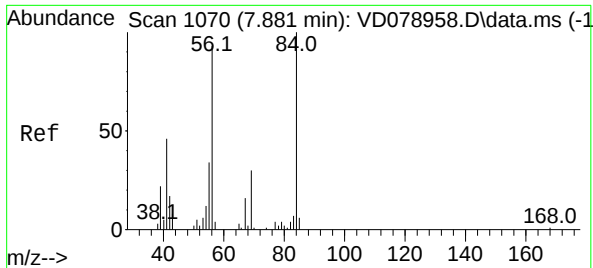
Tgt Ion: 83 Resp: 12656  
Ion Ratio Lower Upper  
83 100  
85 59.8 41.8 77.6



#27  
1,2-Dichloroethane  
Concen: 2.659 ug/L  
RT: 8.328 min Scan# 1146  
Delta R.T. 0.006 min  
Lab File: VD078956.D  
Acq: 17 May 2024 09:38

Tgt Ion: 62 Resp: 6970  
Ion Ratio Lower Upper  
62 100  
98 11.6 10.2 15.4





#29

Cyclohexane

Concen: 2.658 ug/L

RT: 7.881 min Scan# 1

Delta R.T. 0.000 min

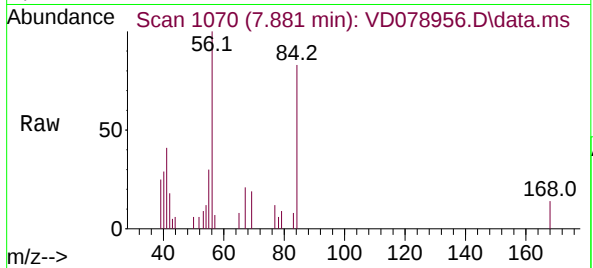
Lab File: VD078956.D

Acq: 17 May 2024 09:38

Instrument :

MSVOA\_D

ClientSampleId :



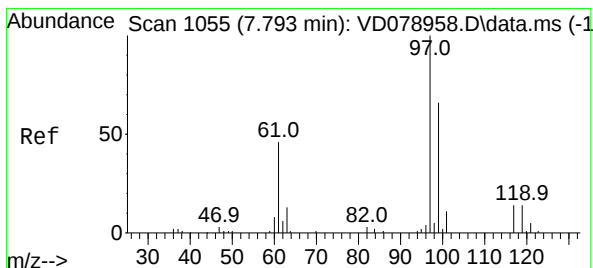
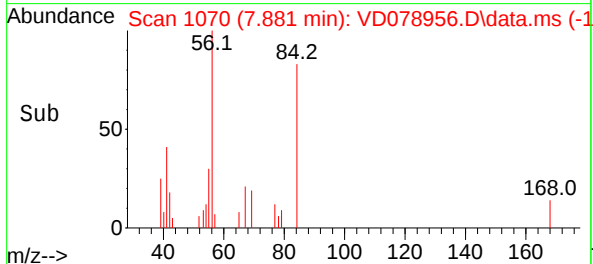
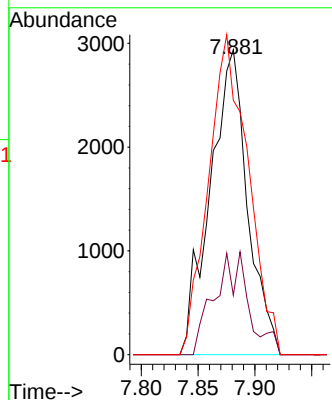
Tgt Ion: 56 Resp: 6721

Ion Ratio Lower Upper

56 100

69 11.1 25.2 37.8#

84 111.1 83.4 125.2



#30

1,1,1-Trichloroethane

Concen: 2.466 ug/L

RT: 7.787 min Scan# 1054

Delta R.T. -0.006 min

Lab File: VD078956.D

Acq: 17 May 2024 09:38

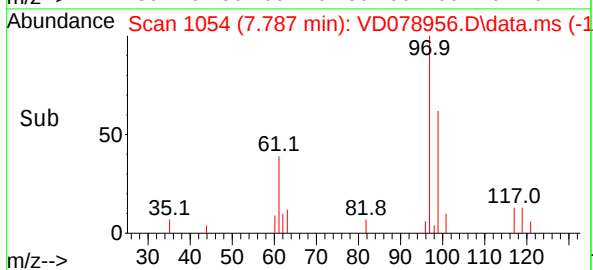
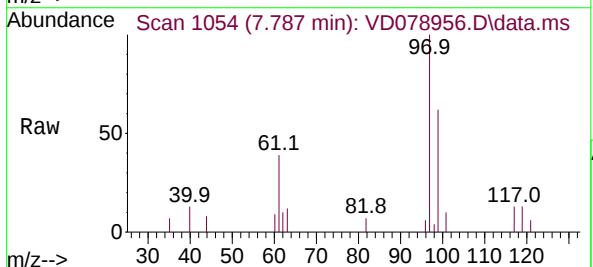
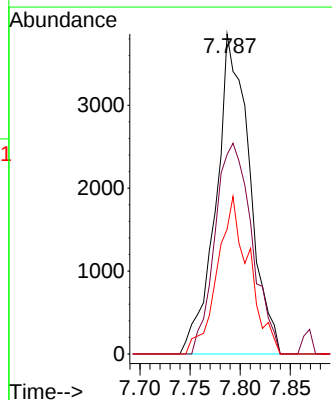
Tgt Ion: 97 Resp: 8976

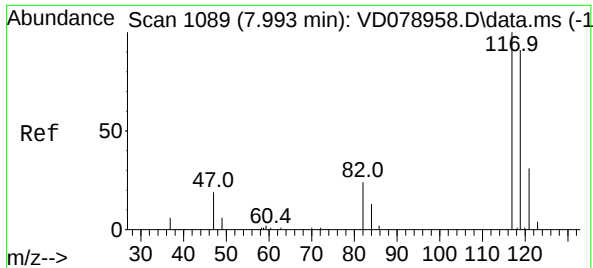
Ion Ratio Lower Upper

97 100

99 72.5 52.6 78.8

61 36.1 32.6 48.8

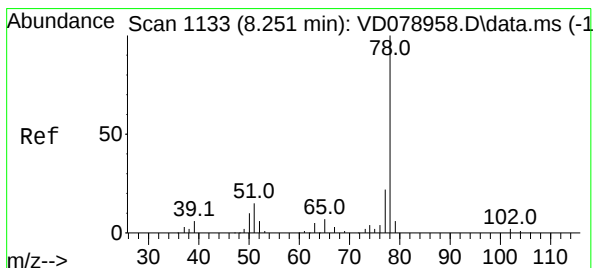
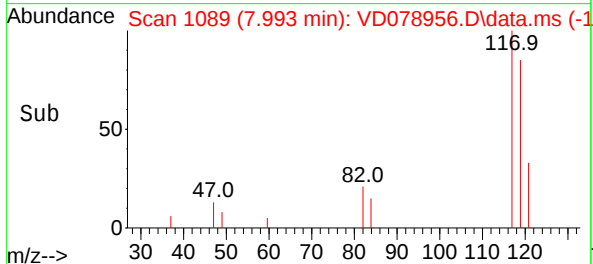
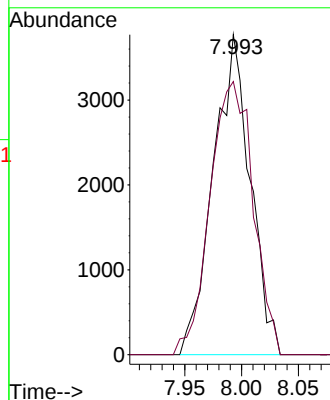
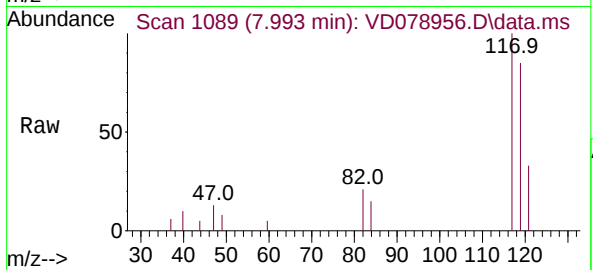




#31  
Carbon tetrachloride  
Concen: 2.549 ug/L  
RT: 7.993 min Scan# 1107  
Delta R.T. 0.000 min  
Lab File: VD078956.D  
Acq: 17 May 2024 09:38

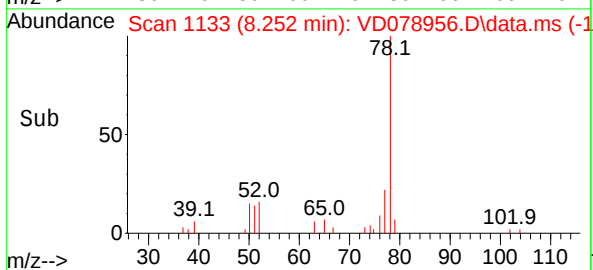
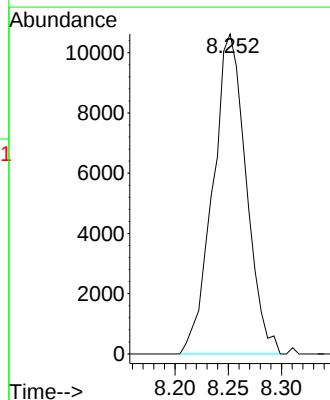
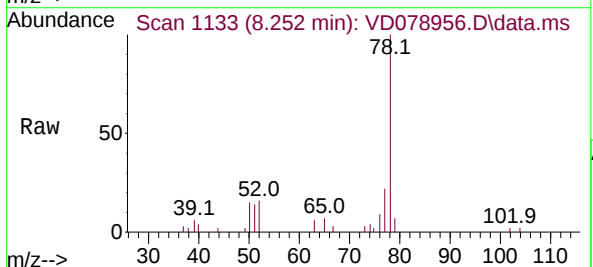
Instrument :  
MSVOA\_D  
ClientSampleId :

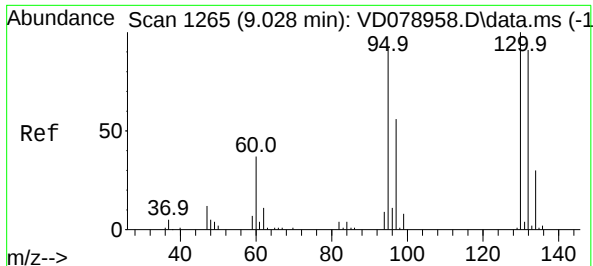
Tgt Ion:117 Resp: 8543  
Ion Ratio Lower Upper  
117 100  
119 99.4 77.7 116.5



#33  
Benzene  
Concen: 2.558 ug/L  
RT: 8.252 min Scan# 1133  
Delta R.T. 0.000 min  
Lab File: VD078956.D  
Acq: 17 May 2024 09:38

Tgt Ion: 78 Resp: 23068





#34

Trichloroethene

Concen: 2.733 ug/L

RT: 9.022 min Scan# 1265

Delta R.T. -0.006 min

Lab File: VD078956.D

Acq: 17 May 2024 09:38

Instrument :

MSVOA\_D

ClientSampleId :

Tgt Ion: 95 Resp: 6350

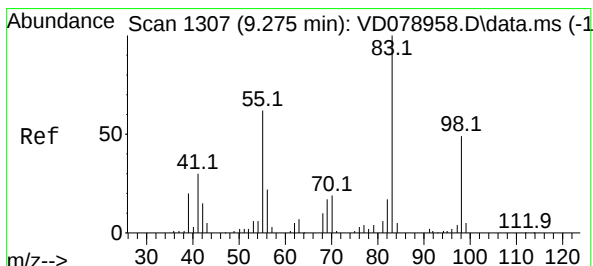
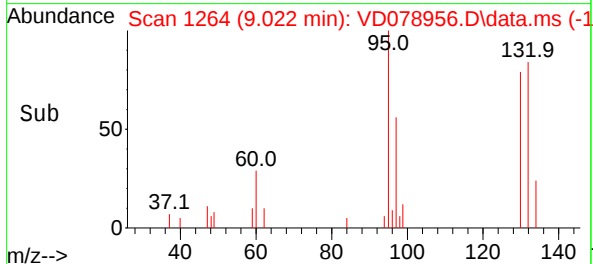
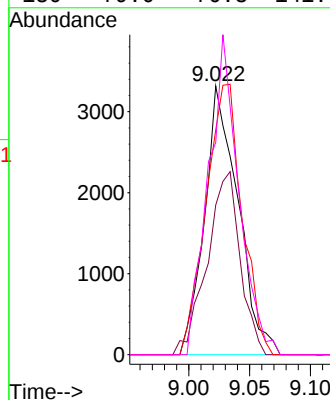
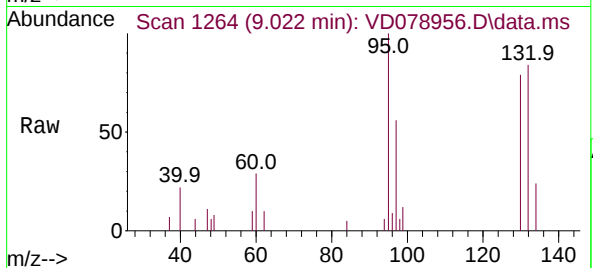
Ion Ratio Lower Upper

95 100

97 55.7 42.6 79.2

132 83.6 69.5 129.1

130 79.0 76.3 141.7



#35

Methylcyclohexane

Concen: 2.159 ug/L

RT: 9.275 min Scan# 1307

Delta R.T. 0.000 min

Lab File: VD078956.D

Acq: 17 May 2024 09:38

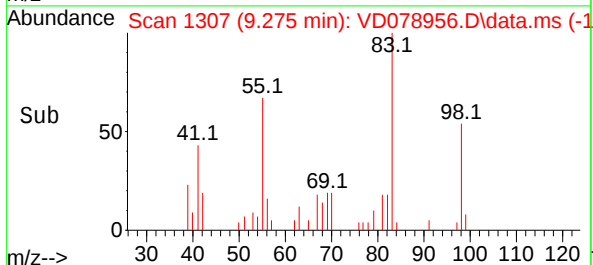
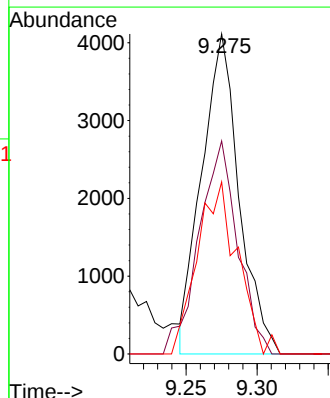
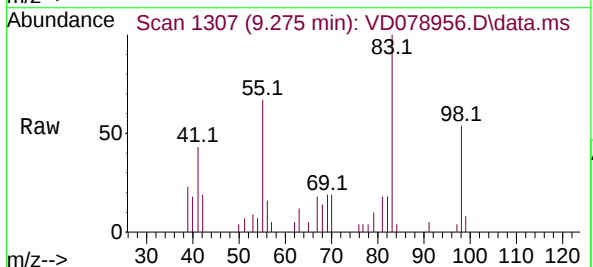
Tgt Ion: 83 Resp: 7540

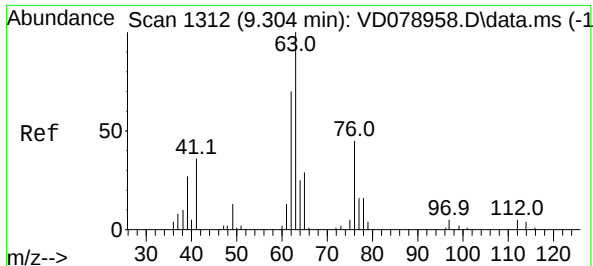
Ion Ratio Lower Upper

83 100

55 68.7 49.0 73.6

98 56.9 40.1 60.1

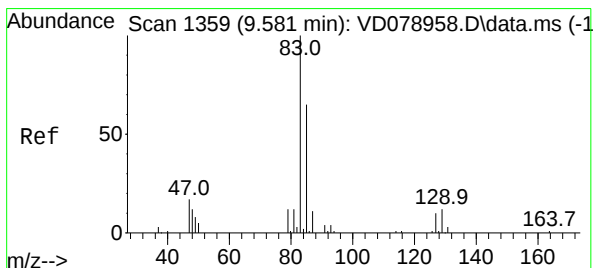
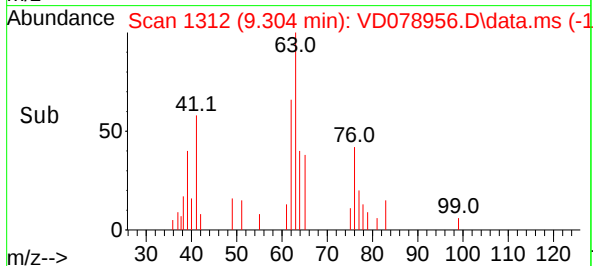
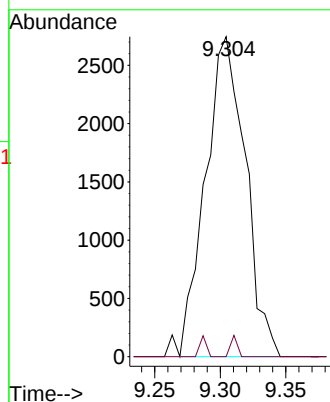
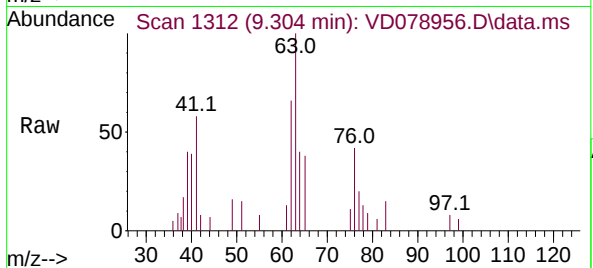




#37  
1,2-Dichloropropane  
Concen: 2.547 ug/L  
RT: 9.304 min Scan# 1312  
Delta R.T. 0.000 min  
Lab File: VD078956.D  
Acq: 17 May 2024 09:38

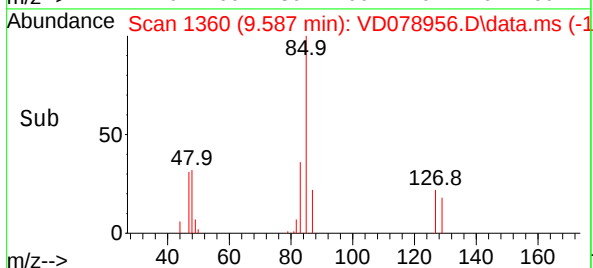
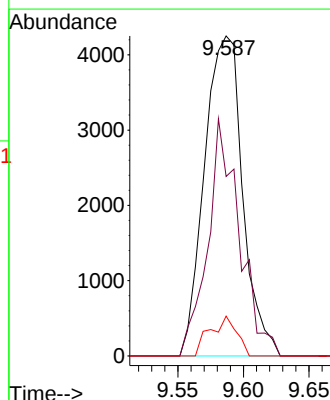
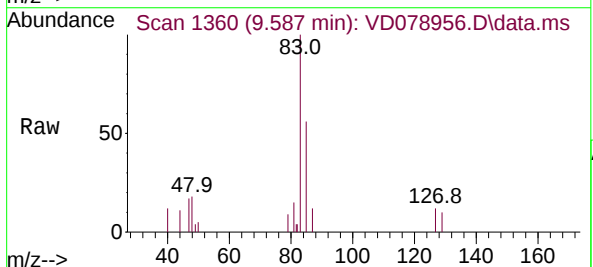
Instrument :  
MSVOA\_D  
ClientSampleId :

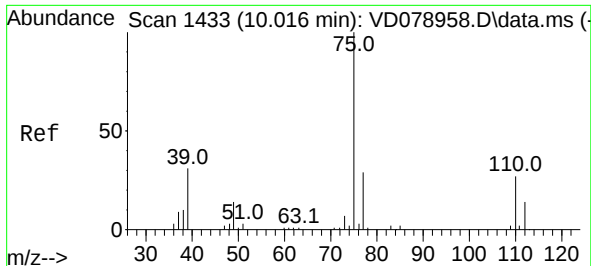
Tgt Ion: 63 Resp: 5820  
Ion Ratio Lower Upper  
63 100  
112 0.0 4.1 6.1#



#38  
Bromodichloromethane  
Concen: 2.666 ug/L  
RT: 9.587 min Scan# 1360  
Delta R.T. 0.006 min  
Lab File: VD078956.D  
Acq: 17 May 2024 09:38

Tgt Ion: 83 Resp: 8614  
Ion Ratio Lower Upper  
83 100  
85 56.1 45.4 84.4  
127 12.4 7.6 11.4#





#39

cis-1,3-Dichloropropene

Concen: 2.480 ug/L

RT: 10.016 min Scan# 1433

Delta R.T. 0.000 min

Lab File: VD078956.D

Acq: 17 May 2024 09:38

Instrument :

MSVOA\_D

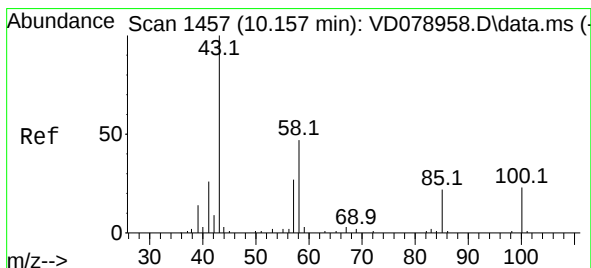
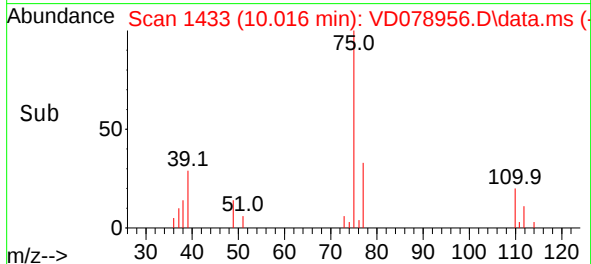
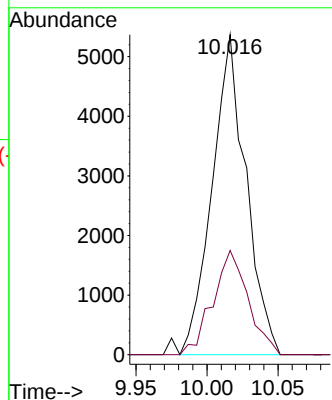
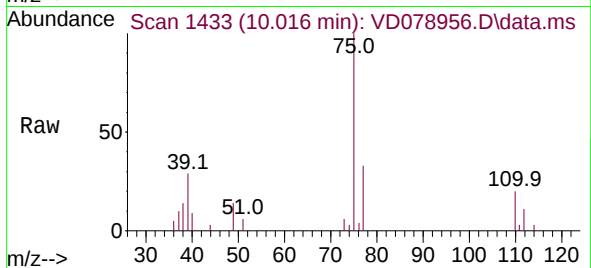
ClientSampleId :

Tgt Ion: 75 Resp: 8892

Ion Ratio Lower Upper

75 100

77 32.6 20.0 37.2



#40

4-Methyl-2-pentanone

Concen: 4.536 ug/L

RT: 10.157 min Scan# 1457

Delta R.T. 0.000 min

Lab File: VD078956.D

Acq: 17 May 2024 09:38

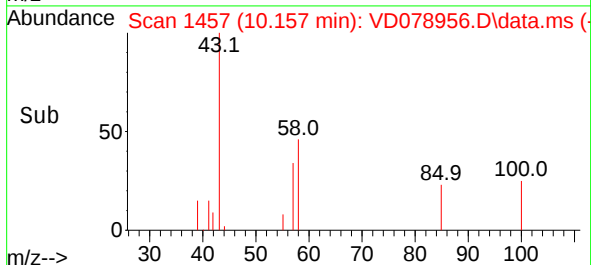
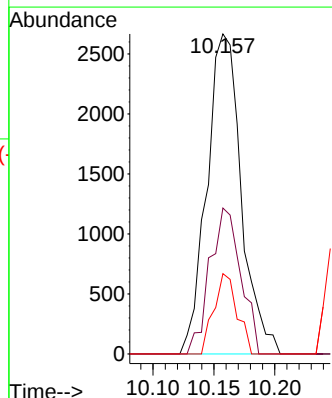
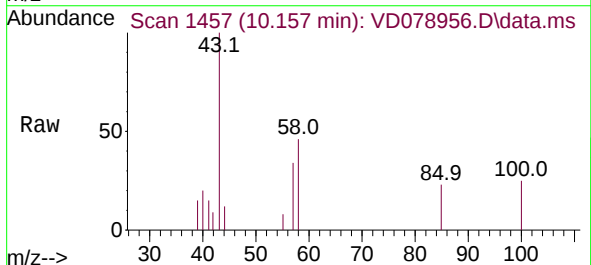
Tgt Ion: 43 Resp: 5236

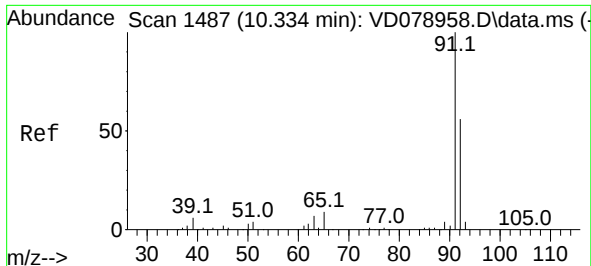
Ion Ratio Lower Upper

43 100

58 41.0 38.0 57.0

100 17.0 17.3 25.9#





#42

Toluene

Concen: 2.297 ug/L

RT: 10.334 min Scan# 1487

Delta R.T. 0.000 min

Lab File: VD078956.D

Acq: 17 May 2024 09:38

Instrument :

MSVOA\_D

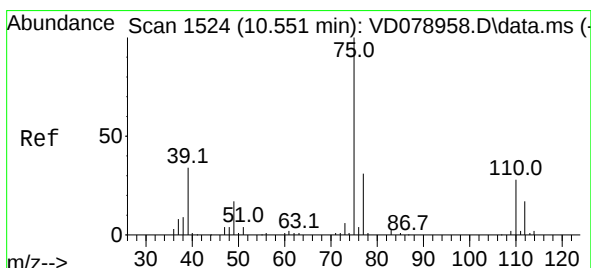
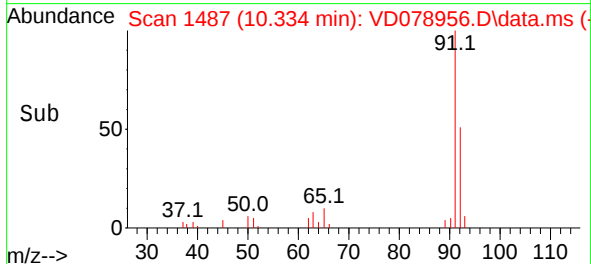
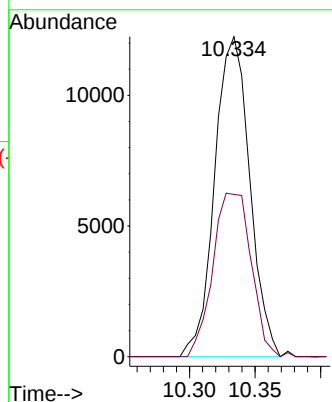
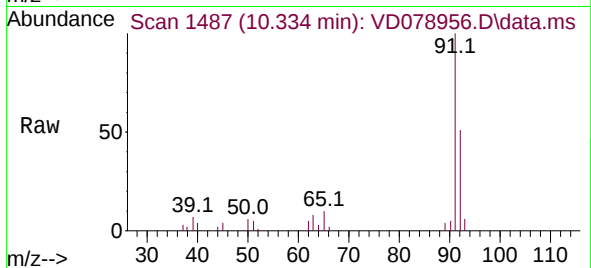
ClientSampleId :

Tgt Ion: 91 Resp: 22769

Ion Ratio Lower Upper

91 100

92 50.7 39.5 73.4



#44

trans-1,3-Dichloropropene

Concen: 2.406 ug/L

RT: 10.551 min Scan# 1524

Delta R.T. 0.000 min

Lab File: VD078956.D

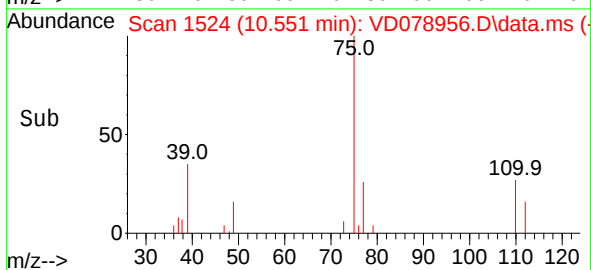
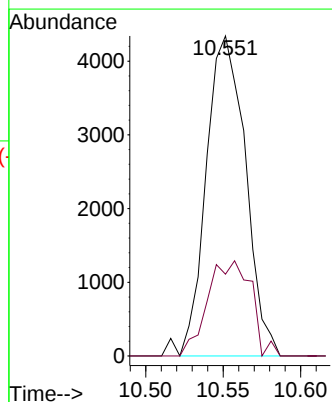
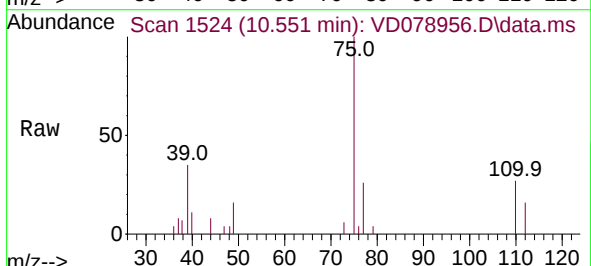
Acq: 17 May 2024 09:38

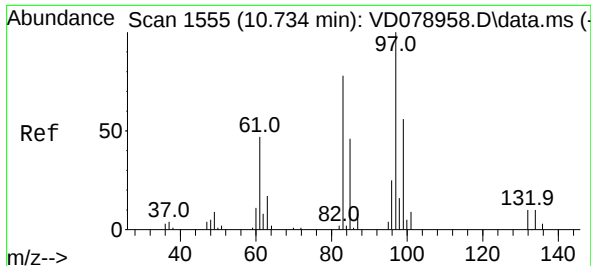
Tgt Ion: 75 Resp: 7625

Ion Ratio Lower Upper

75 100

77 25.6 21.8 40.4

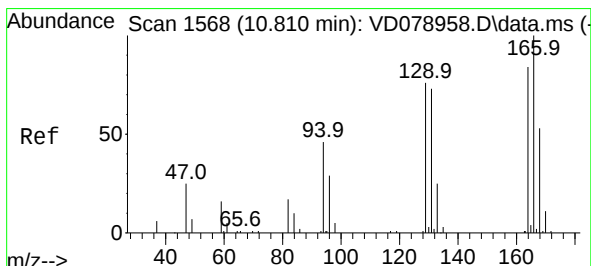
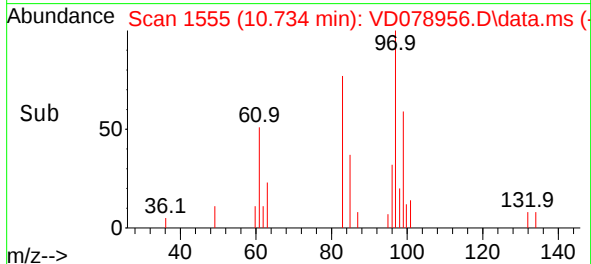
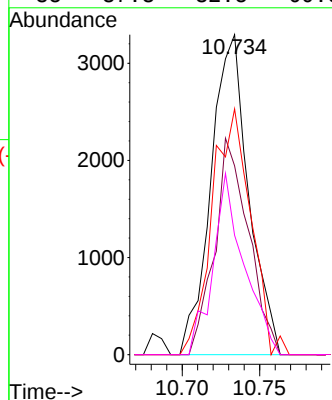
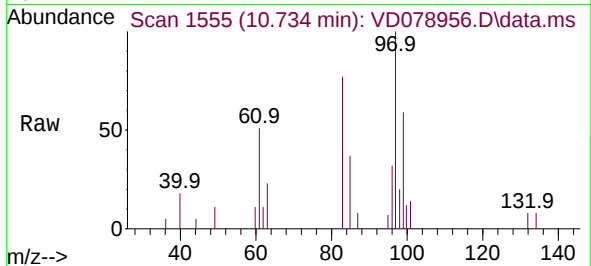




#45  
1,1,2-Trichloroethane  
Concen: 2.661 ug/L  
RT: 10.734 min Scan# 1555  
Delta R.T. 0.000 min  
Lab File: VD078956.D  
Acq: 17 May 2024 09:38

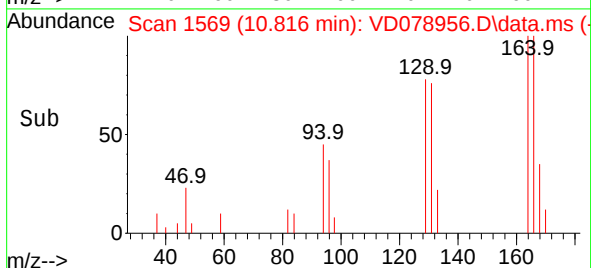
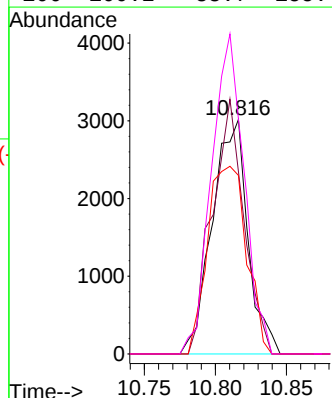
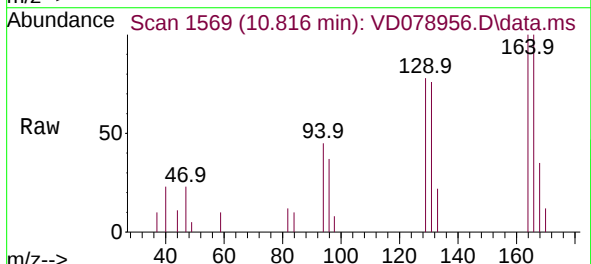
Instrument :  
MSVOA\_D  
ClientSampleId :

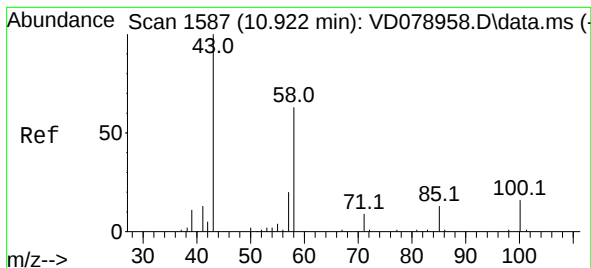
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 5561  |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 99       | 59.0  | 39.1  | 72.7  |
| 83       | 76.8  | 54.6  | 101.4 |
| 85       | 37.3  | 32.5  | 60.3  |



#46  
Tetrachloroethene  
Concen: 2.626 ug/L  
RT: 10.816 min Scan# 1569  
Delta R.T. 0.006 min  
Lab File: VD078956.D  
Acq: 17 May 2024 09:38

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 164   | Resp: | 5249  |
| Ion      | Ratio | Lower | Upper |
| 164      | 100   |       |       |
| 129      | 77.8  | 63.3  | 117.7 |
| 131      | 76.1  | 60.8  | 112.8 |
| 166      | 100.2 | 83.7  | 155.4 |





#48

2-Hexanone

Concen: 3.816 ug/L

RT: 10.922 min Scan# 1587

Delta R.T. 0.000 min

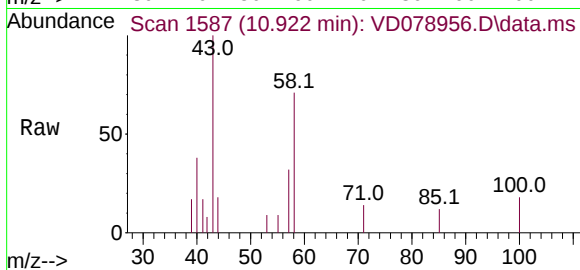
Lab File: VD078956.D

Acq: 17 May 2024 09:38

Instrument :

MSVOA\_D

ClientSampleId :



Tgt Ion: 43 Resp: 3415

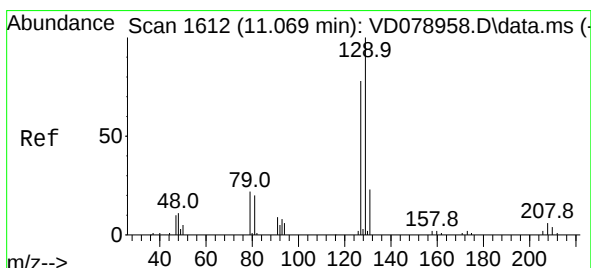
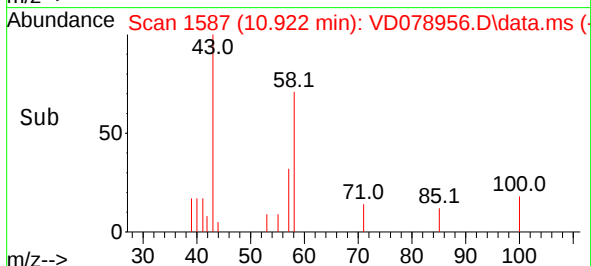
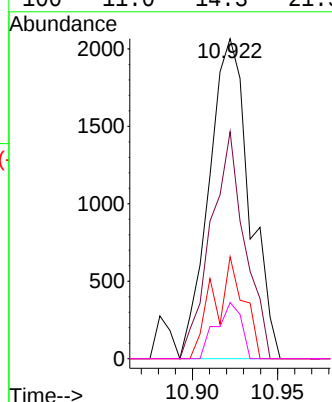
Ion Ratio Lower Upper

43 100

58 59.9 53.4 80.2

57 14.4 17.0 25.4#

100 11.0 14.3 21.5#



#49

Dibromochloromethane

Concen: 2.529 ug/L

RT: 11.069 min Scan# 1612

Delta R.T. 0.000 min

Lab File: VD078956.D

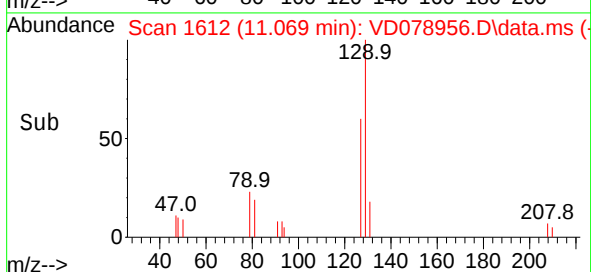
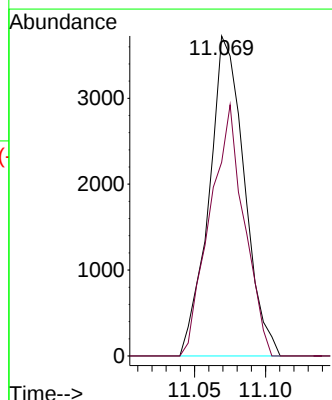
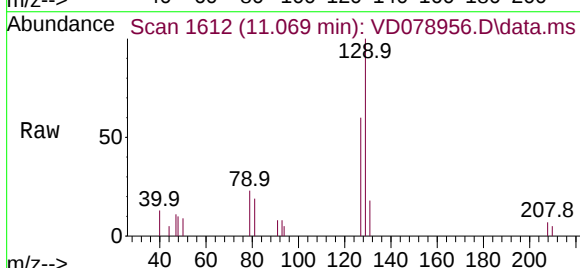
Acq: 17 May 2024 09:38

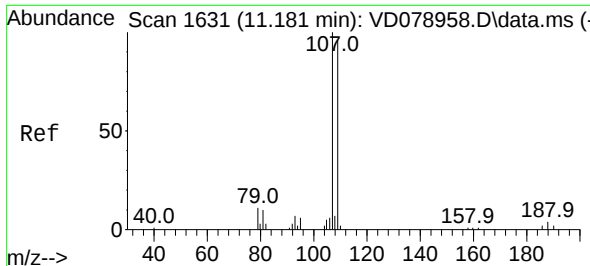
Tgt Ion: 129 Resp: 6425

Ion Ratio Lower Upper

129 100

127 60.5 54.8 101.8





#50

1,2-Dibromoethane

Concen: 2.782 ug/L

RT: 11.175 min Scan# 1

Delta R.T. -0.006 min

Lab File: VD078956.D

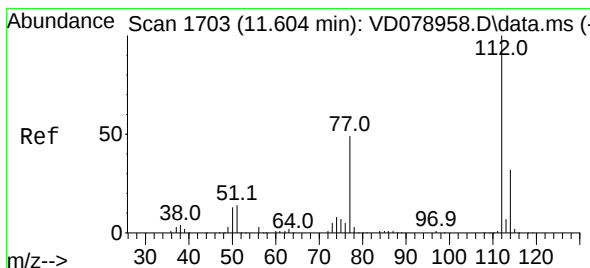
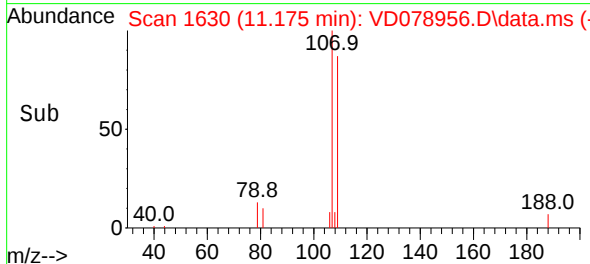
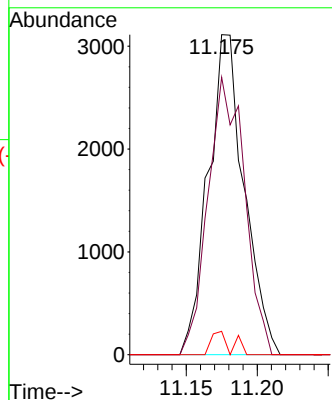
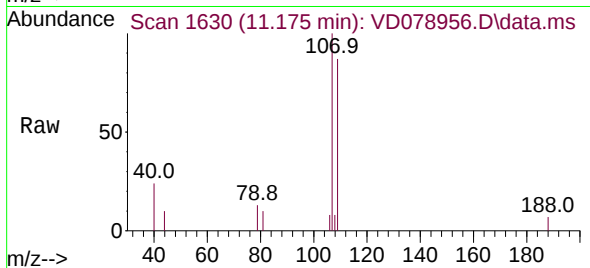
Acq: 17 May 2024 09:38

Instrument :

MSVOA\_D

ClientSampleId :

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:107 | Resp: | 5492       |
| Ion Ratio   | Lower | Upper      |
| 107         | 100   |            |
| 109         | 86.7  | 67.0 124.4 |
| 188         | 7.3   | 3.4 5.2#   |



#51

Chlorobenzene

Concen: 2.583 ug/L

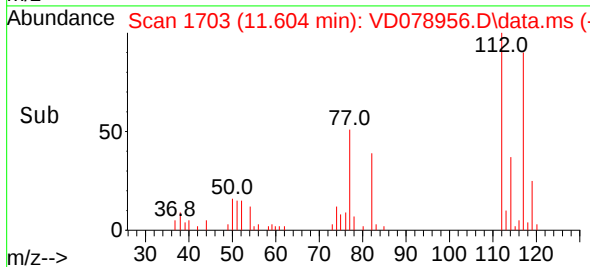
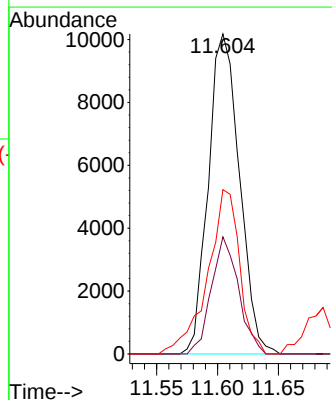
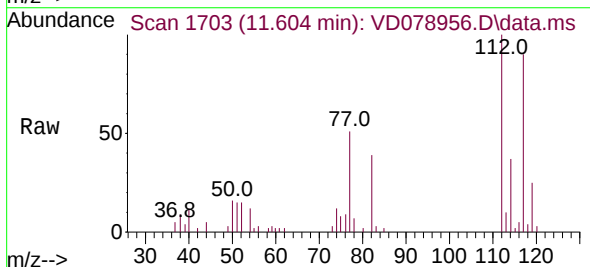
RT: 11.604 min Scan# 1703

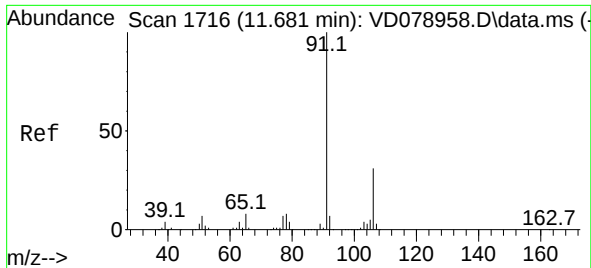
Delta R.T. 0.000 min

Lab File: VD078956.D

Acq: 17 May 2024 09:38

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:112 | Resp: | 18094     |
| Ion Ratio   | Lower | Upper     |
| 112         | 100   |           |
| 114         | 36.6  | 22.5 41.9 |
| 77          | 51.4  | 39.4 59.0 |

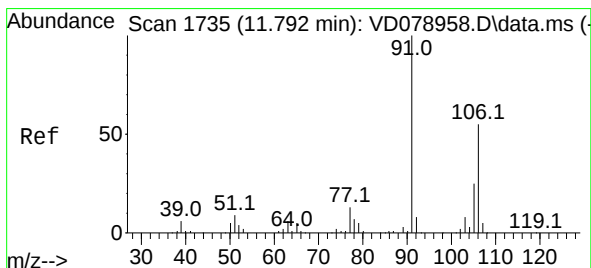
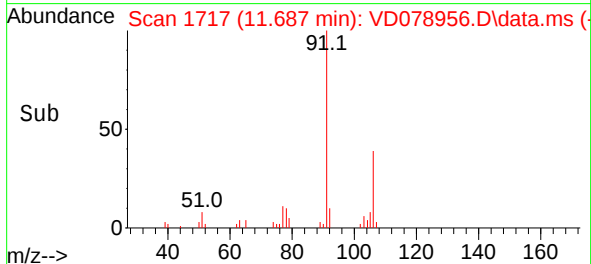
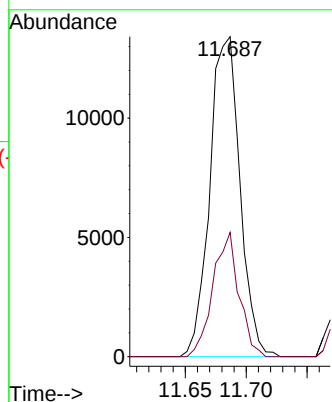
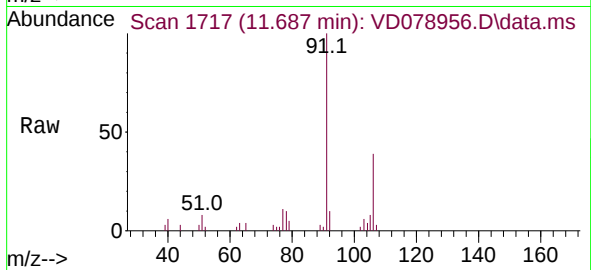




#52  
Ethylbenzene  
Concen: 2.158 ug/L  
RT: 11.687 min Scan# 1716  
Delta R.T. 0.006 min  
Lab File: VD078956.D  
Acq: 17 May 2024 09:38

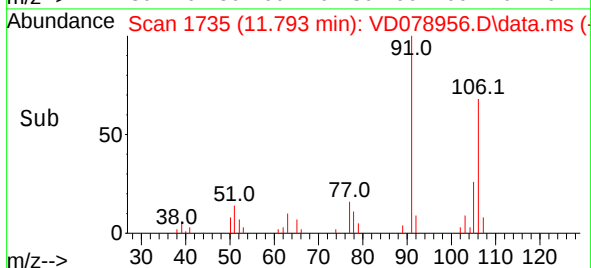
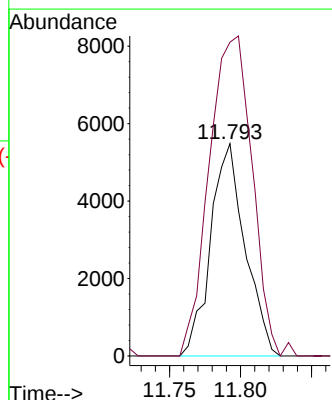
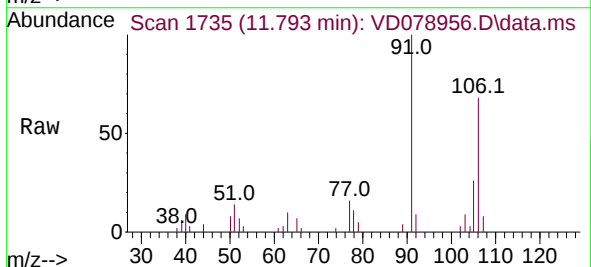
Instrument :  
MSVOA\_D  
ClientSampleId :

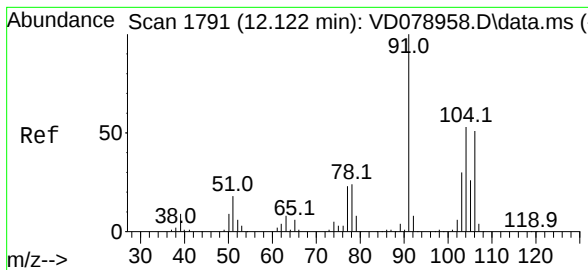
Tgt Ion: 91 Resp: 23088  
Ion Ratio Lower Upper  
91 100  
106 38.8 21.6 40.2



#53  
m,p-Xylene  
Concen: 2.166 ug/L  
RT: 11.793 min Scan# 1735  
Delta R.T. 0.000 min  
Lab File: VD078956.D  
Acq: 17 May 2024 09:38

Tgt Ion: 106 Resp: 9270  
Ion Ratio Lower Upper  
106 100  
91 147.8 128.3 238.3

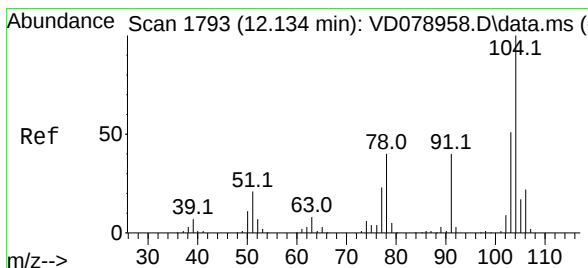
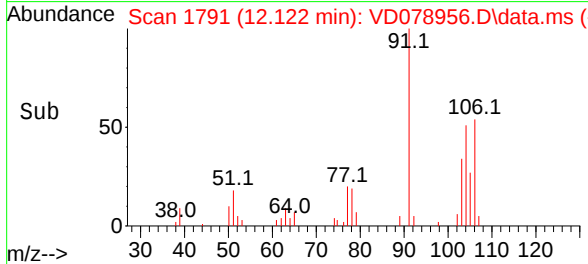
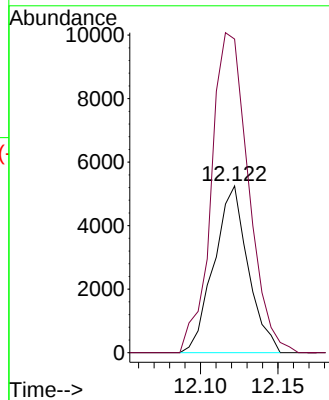
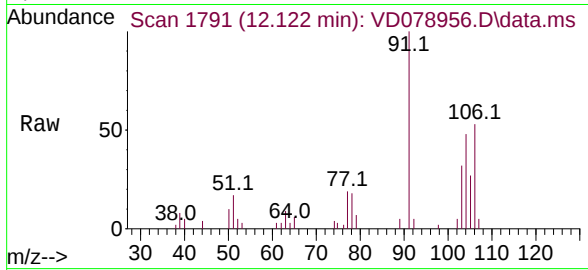




#54  
o-Xylene  
Concen: 1.924 ug/L  
RT: 12.122 min Scan# 1791  
Delta R.T. 0.000 min  
Lab File: VD078956.D  
Acq: 17 May 2024 09:38

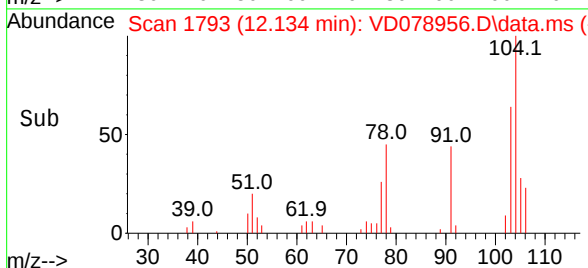
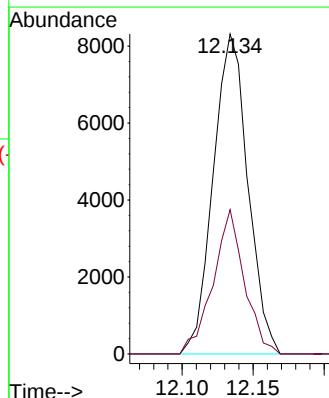
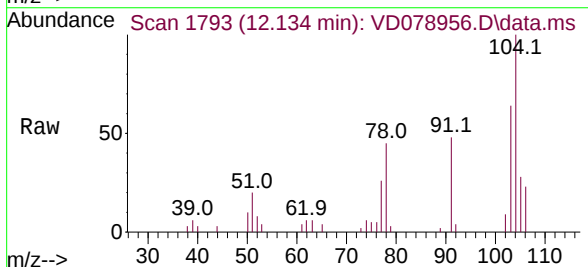
Instrument :  
MSVOA\_D  
ClientSampleId :

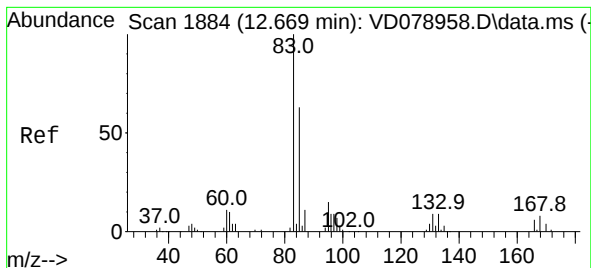
Tgt Ion:106 Resp: 8023  
Ion Ratio Lower Upper  
106 100  
91 188.2 138.3 256.9



#55  
Styrene  
Concen: 1.913 ug/L  
RT: 12.134 min Scan# 1793  
Delta R.T. 0.000 min  
Lab File: VD078956.D  
Acq: 17 May 2024 09:38

Tgt Ion:104 Resp: 14097  
Ion Ratio Lower Upper  
104 100  
78 45.1 27.8 51.6

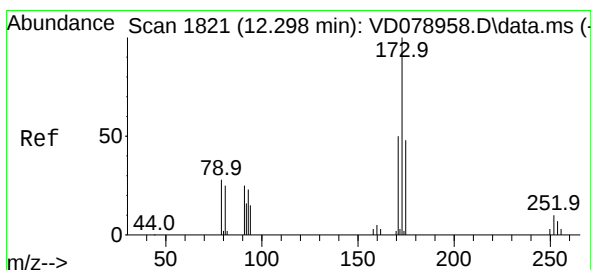
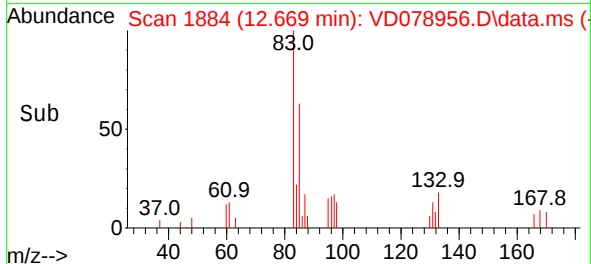
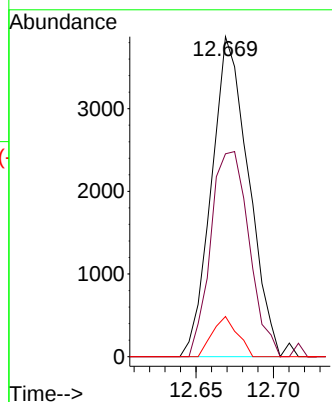
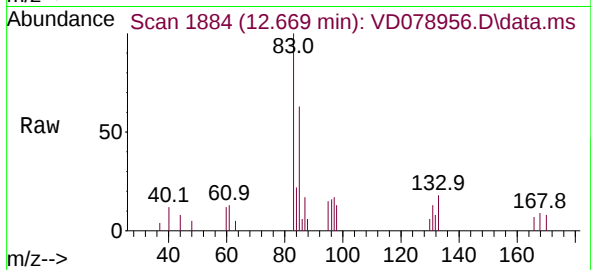




#57  
1,1,2,2-Tetrachloroethane  
Concen: 2.537 ug/L  
RT: 12.669 min Scan# 1884  
Delta R.T. 0.000 min  
Lab File: VD078956.D  
Acq: 17 May 2024 09:38

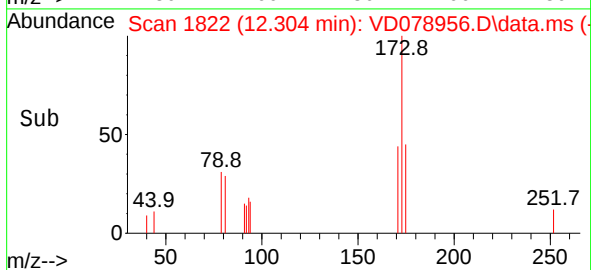
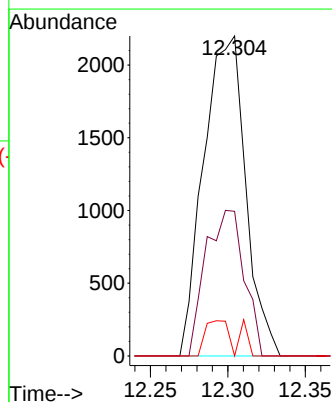
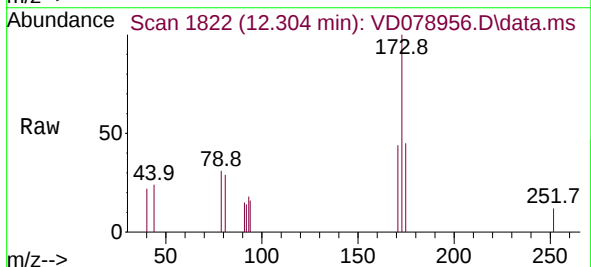
Instrument :  
MSVOA\_D  
ClientSampleId :

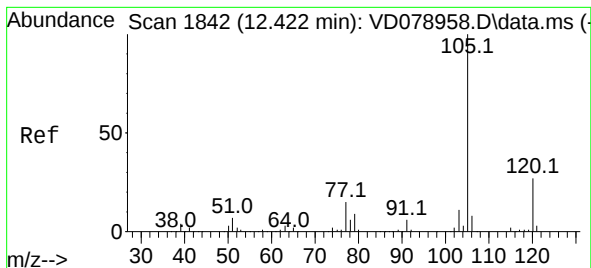
Tgt Ion: 83 Resp: 6431  
Ion Ratio Lower Upper  
83 100  
85 63.4 44.3 82.3  
131 12.6 7.5 11.3#



#59  
Bromoform  
Concen: 2.805 ug/L  
RT: 12.304 min Scan# 1822  
Delta R.T. 0.006 min  
Lab File: VD078956.D  
Acq: 17 May 2024 09:38

Tgt Ion: 173 Resp: 4142  
Ion Ratio Lower Upper  
173 100  
175 41.8 40.0 60.0  
254 2.1 6.3 9.5#





#60

Isopropylbenzene

Concen: 2.342 ug/L

RT: 12.422 min Scan# 1842

Delta R.T. 0.000 min

Lab File: VD078956.D

Acq: 17 May 2024 09:38

Instrument :

MSVOA\_D

ClientSampleId :

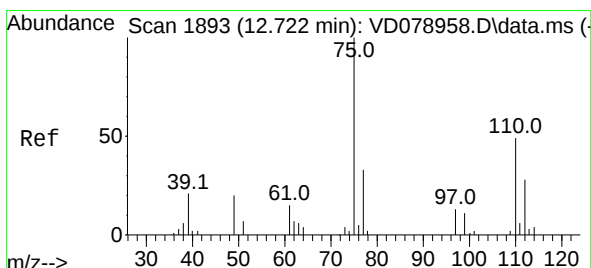
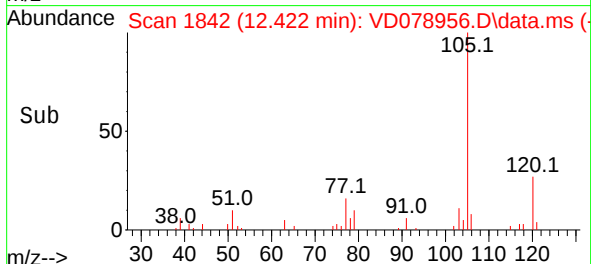
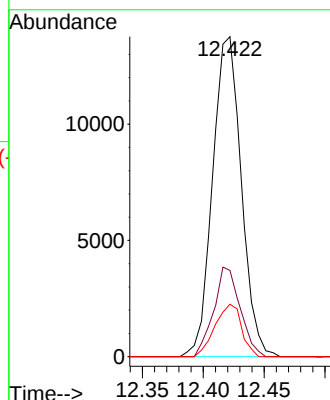
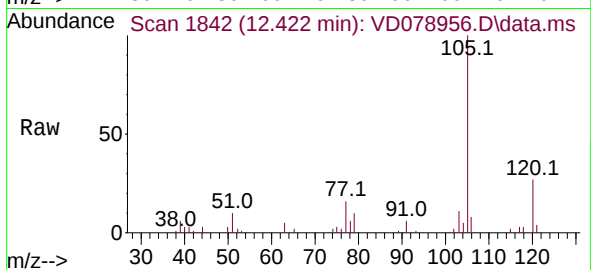
Tgt Ion:105 Resp: 22596

Ion Ratio Lower Upper

105 100

120 25.8 21.8 32.8

77 15.1 11.7 17.5



#61

1,2,3-Trichloropropane

Concen: 2.872 ug/L

RT: 12.722 min Scan# 1893

Delta R.T. 0.000 min

Lab File: VD078956.D

Acq: 17 May 2024 09:38

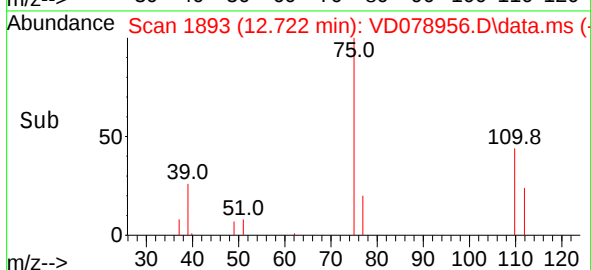
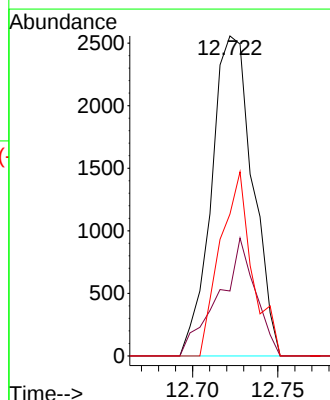
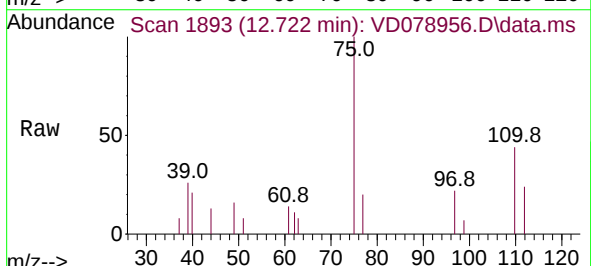
Tgt Ion: 75 Resp: 4295

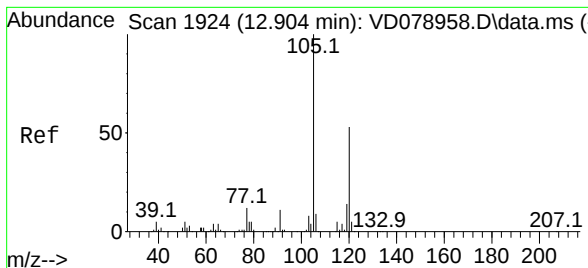
Ion Ratio Lower Upper

75 100

77 32.8 26.2 39.2

110 44.8 37.1 55.7

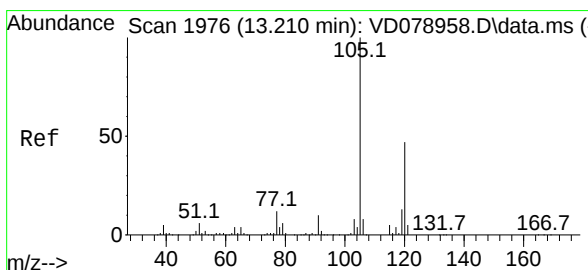
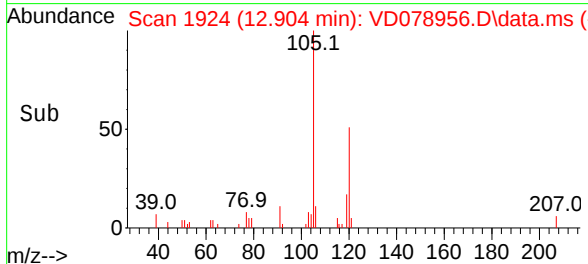
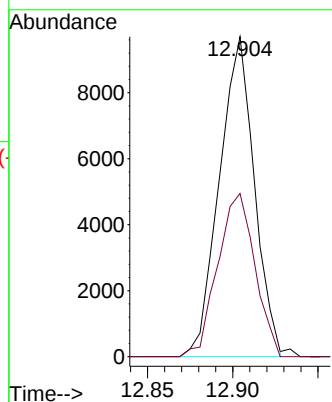
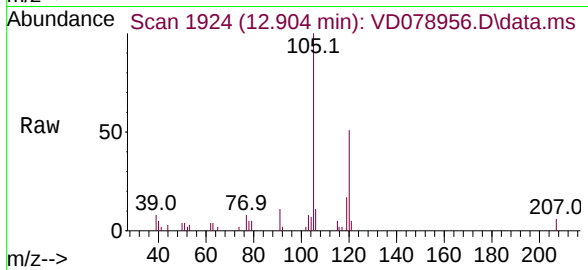




#62  
 1,3,5-Trimethylbenzene  
 Concen: 1.938 ug/L  
 RT: 12.904 min Scan# 1924  
 Delta R.T. 0.000 min  
 Lab File: VD078956.D  
 Acq: 17 May 2024 09:38

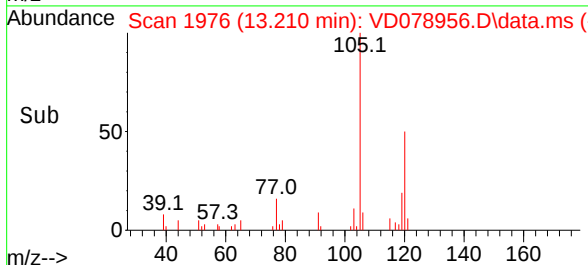
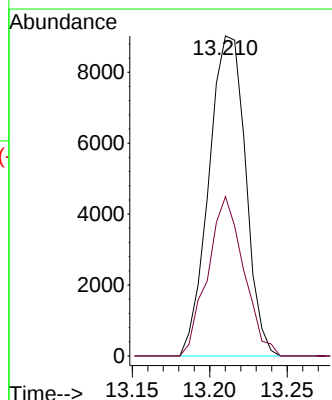
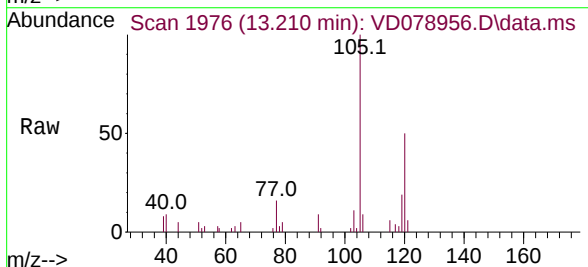
Instrument :  
 MSVOA\_D  
 ClientSampleId :

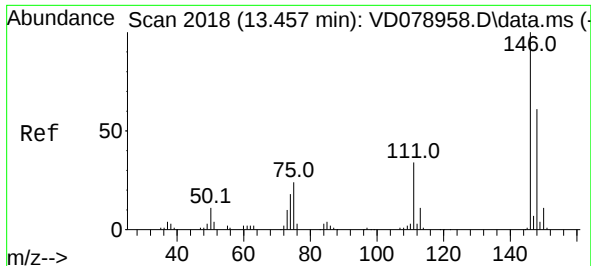
Tgt Ion:105 Resp: 13818  
 Ion Ratio Lower Upper  
 105 100  
 120 54.4 41.9 62.9



#63  
 1,2,4-Trimethylbenzene  
 Concen: 2.053 ug/L  
 RT: 13.210 min Scan# 1976  
 Delta R.T. 0.000 min  
 Lab File: VD078956.D  
 Acq: 17 May 2024 09:38

Tgt Ion:105 Resp: 14872  
 Ion Ratio Lower Upper  
 105 100  
 120 48.9 38.8 58.2





#64

1,3-Dichlorobenzene

Concen: 2.421 ug/L

RT: 13.457 min Scan# 2018

Delta R.T. 0.000 min

Lab File: VD078956.D

Acq: 17 May 2024 09:38

Instrument :

MSVOA\_D

ClientSampleId :

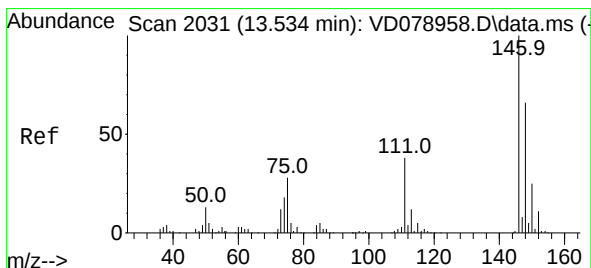
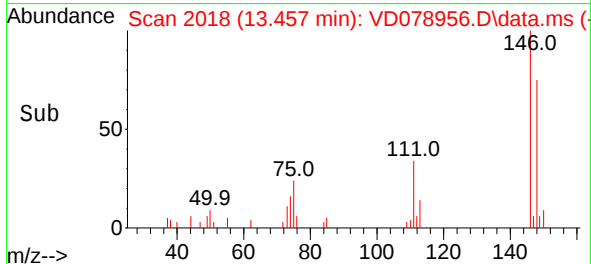
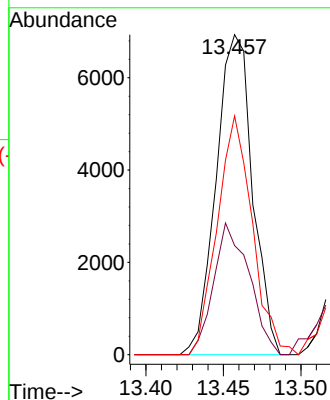
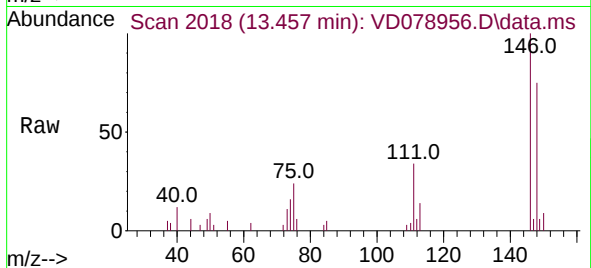
Tgt Ion:146 Resp: 11344

Ion Ratio Lower Upper

146 100

111 34.1 24.0 44.6

148 74.6 42.9 79.7



#65

1,4-Dichlorobenzene

Concen: 2.485 ug/L

RT: 13.540 min Scan# 2032

Delta R.T. 0.006 min

Lab File: VD078956.D

Acq: 17 May 2024 09:38

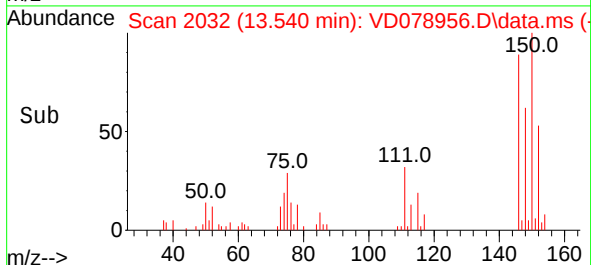
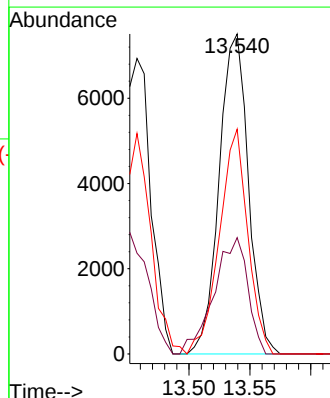
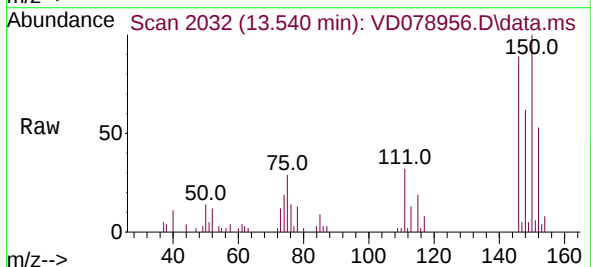
Tgt Ion:146 Resp: 12552

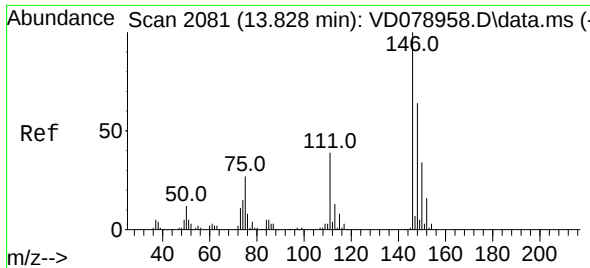
Ion Ratio Lower Upper

146 100

111 36.3 26.9 50.1

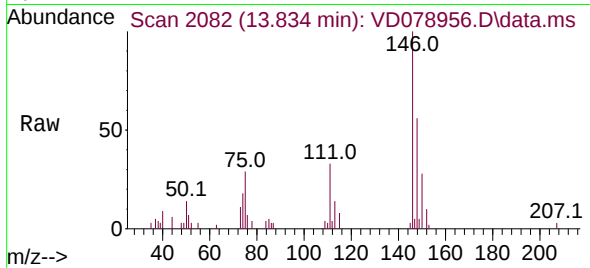
148 70.3 46.4 86.2



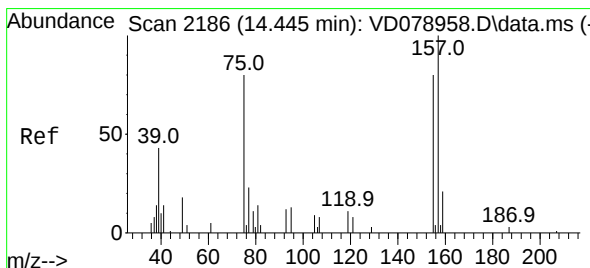
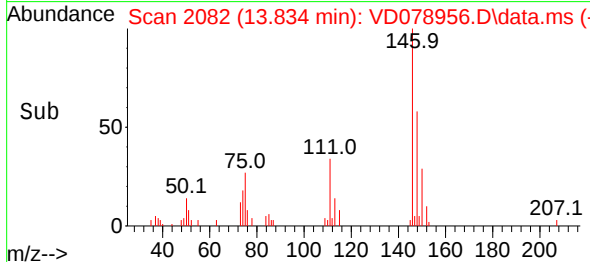
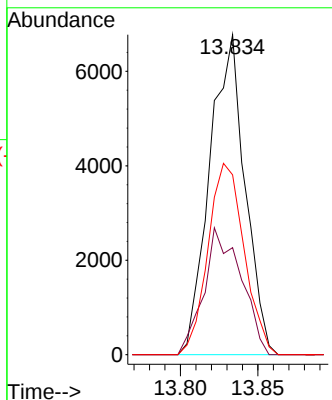


#67  
1,2-Dichlorobenzene  
Concen: 2.423 ug/L  
RT: 13.834 min Scan# 2081  
Delta R.T. 0.006 min  
Lab File: VD078956.D  
Acq: 17 May 2024 09:38

Instrument :  
MSVOA\_D  
ClientSampleId :

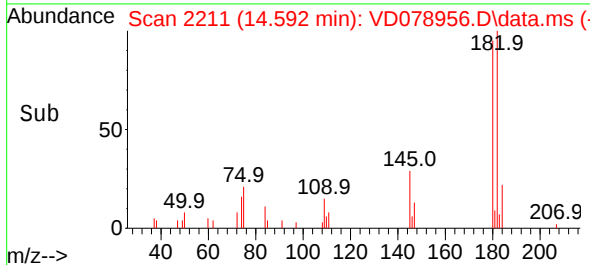
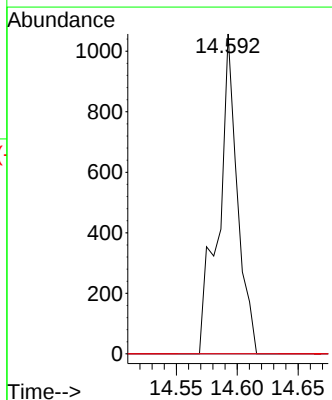
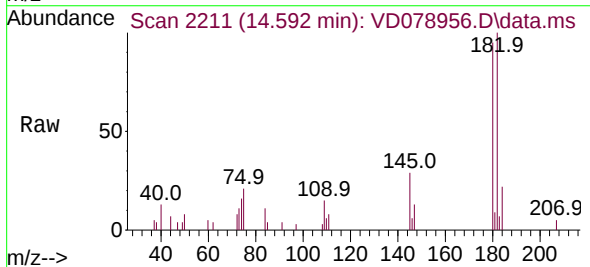


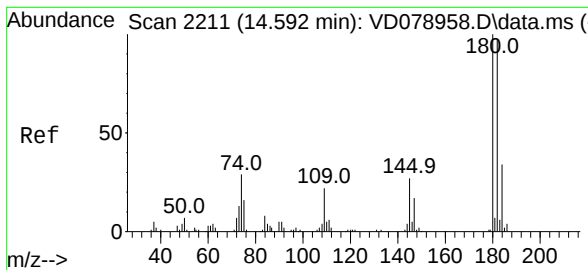
Tgt Ion:146 Resp: 10742  
Ion Ratio Lower Upper  
146 100  
111 33.5 30.9 46.3  
148 56.2 51.4 77.0



#68  
1,2-Dibromo-3-chloropropane  
Concen: 3.656 ug/L  
RT: 14.592 min Scan# 2211  
Delta R.T. 0.147 min  
Lab File: VD078956.D  
Acq: 17 May 2024 09:38

Tgt Ion: 75 Resp: 1139  
Ion Ratio Lower Upper  
75 100  
155 0.0 79.8 119.6#  
157 0.0 99.9 149.9#





#69

1,3,5-Trichlorobenzene

Concen: 2.488 ug/L

RT: 14.592 min Scan# 2211

Delta R.T. 0.000 min

Lab File: VD078956.D

Acq: 17 May 2024 09:38

Instrument :

MSVOA\_D

ClientSampleId :

Tgt Ion:180 Resp: 7569

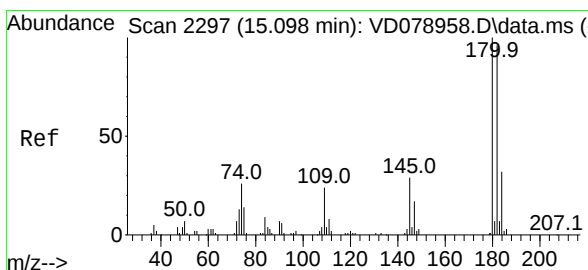
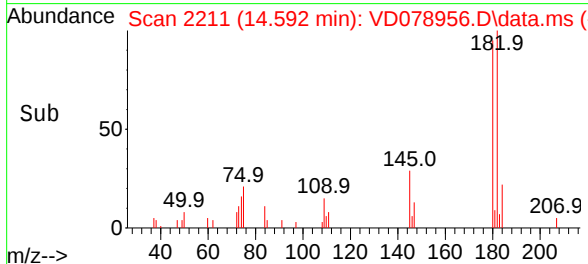
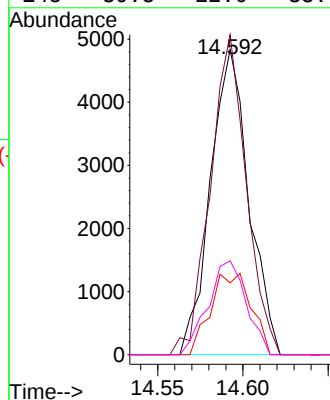
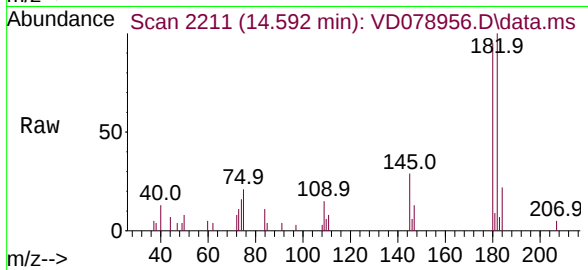
Ion Ratio Lower Upper

180 100

182 98.3 76.2 114.2

184 28.3 24.9 37.3

145 30.8 22.0 33.0



#70

1,2,4-trichlorobenzene

Concen: 2.351 ug/L

RT: 15.098 min Scan# 2297

Delta R.T. 0.000 min

Lab File: VD078956.D

Acq: 17 May 2024 09:38

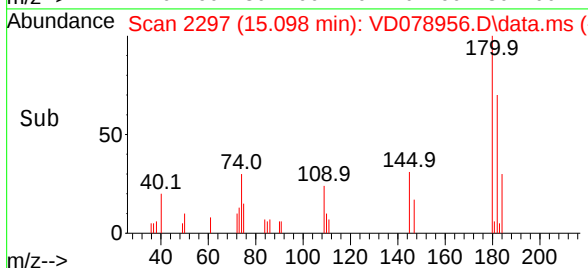
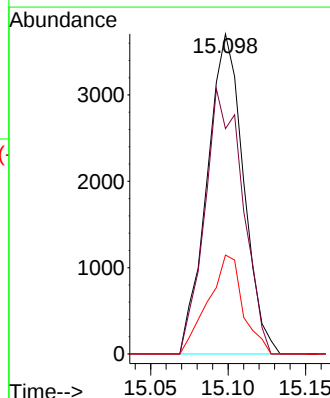
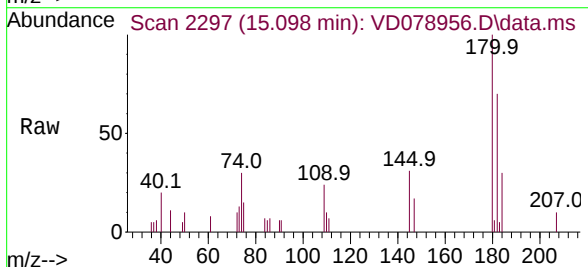
Tgt Ion:180 Resp: 6056

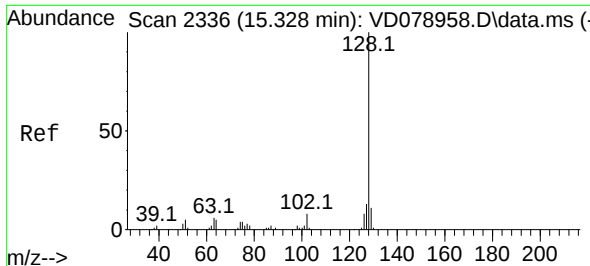
Ion Ratio Lower Upper

180 100

182 86.2 76.4 114.6

145 29.5 22.8 34.2

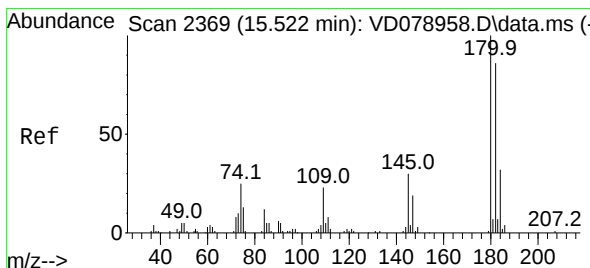
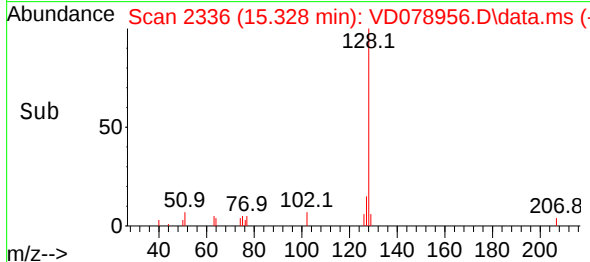
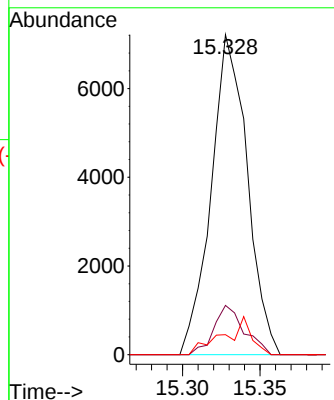
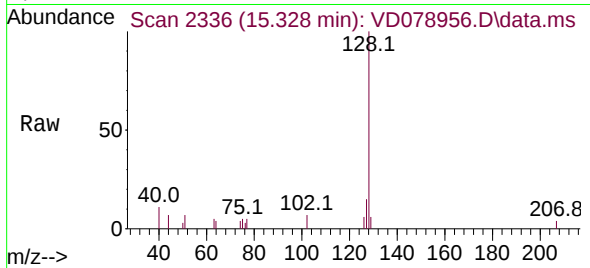




#71  
Naphthalene  
Concen: 2.220 ug/L  
RT: 15.328 min Scan# 2336  
Delta R.T. 0.000 min  
Lab File: VD078956.D  
Acq: 17 May 2024 09:38

Instrument :  
MSVOA\_D  
ClientSampleId :

Tgt Ion:128 Resp: 11668  
Ion Ratio Lower Upper  
128 100  
127 13.0 10.3 15.5  
129 5.2 8.6 12.8#



#72  
1,2,3-Trichlorobenzene  
Concen: 2.180 ug/L  
RT: 15.522 min Scan# 2369  
Delta R.T. 0.000 min  
Lab File: VD078956.D  
Acq: 17 May 2024 09:38

Tgt Ion:180 Resp: 5249  
Ion Ratio Lower Upper  
180 100  
182 95.2 77.2 115.8  
145 38.5 24.4 36.6#

