

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW011223\  
 Data File : VW029791.D  
 Acq On : 12 Jan 2023 17:18  
 Operator : SY/MD  
 Sample : VSTD00518  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Jan 12 21:48:57 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR011223WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Thu Jan 12 21:47:28 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Difluorobenzene        | 5.609  | 114  | 201062   | 5.000  | ug/L  | 0.00     |
| 28) Chlorobenzene-d5          | 8.844  | 117  | 191909   | 5.000  | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.236 | 152  | 108638   | 5.000  | ug/L  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 4) Vinyl Chloride-d3          | 1.301  | 65   | 75665    | 5.884  | ug/L  | 0.00     |
| 7) Chloroethane-d5            | 1.561  | 69   | 62054    | 6.445  | ug/L  | 0.00     |
| 11) 1,1-Dichloroethene-d2     | 2.101  | 63   | 134796   | 6.375  | ug/L  | 0.00     |
| 20) 2-Butanone-d5             | 3.899  | 46   | 141543   | 64.827 | ug/L  | 0.00     |
| 24) Chloroform-d              | 4.336  | 84   | 139756   | 6.073  | ug/L  | 0.00     |
| 26) 1,2-Dichloroethane-d4     | 5.024  | 65   | 60414    | 5.999  | ug/L  | 0.00     |
| 32) Benzene-d6                | 5.040  | 84   | 288074   | 5.427  | ug/L  | 0.00     |
| 36) 1,2-Dichloropropane-d6    | 6.060  | 67   | 85084    | 5.644  | ug/L  | 0.00     |
| 41) Toluene-d8                | 7.307  | 98   | 273155   | 5.465  | ug/L  | 0.00     |
| 43) trans-1,3-Dichloroprop... | 7.612  | 79   | 31367    | 5.483  | ug/L  | 0.00     |
| 46) 2-Hexanone-d5             | 8.085  | 63   | 132651   | 62.516 | ug/L  | 0.00     |
| 56) 1,1,2,2-Tetrachloroeth... | 10.204 | 84   | 61957    | 6.411  | ug/L  | 0.00     |
| 66) 1,2-Dichlorobenzene-d4    | 11.612 | 152  | 96220    | 5.106  | ug/L  | 0.00     |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 2) Dichlorodifluoromethane    | 1.124  | 85   | 98870    | 6.179  | ug/L  | 100      |
| 3) Chloromethane              | 1.237  | 50   | 103803   | 6.791  | ug/L  | 100      |
| 5) Vinyl chloride             | 1.304  | 62   | 102182   | 6.778  | ug/L  | 100      |
| 6) Bromomethane               | 1.516  | 94   | 50271    | 5.699  | ug/L  | 100      |
| 8) Chloroethane               | 1.577  | 64   | 62882    | 6.961  | ug/L  | 100      |
| 9) Trichlorofluoromethane     | 1.748  | 101  | 136143   | 6.534  | ug/L  | 100      |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.111  | 101  | 80035    | 6.787  | ug/L  | 100      |
| 12) 1,1-Dichloroethene        | 2.111  | 96   | 79389    | 6.926  | ug/L  | 100      |
| 13) Acetone                   | 2.198  | 43   | 93381    | 58.550 | ug/L  | 100      |
| 14) Carbon disulfide          | 2.285  | 76   | 262659   | 7.559  | ug/L  | 100      |
| 15) Methyl Acetate            | 2.436  | 43   | 23746    | 5.268  | ug/L  | 100      |
| 16) Methylene chloride        | 2.497  | 84   | 97984    | 5.713  | ug/L  | 100      |
| 17) Methyl tert-butyl Ether   | 2.761  | 73   | 162357   | 5.870  | ug/L  | 100      |
| 18) trans-1,2-Dichloroethene  | 2.751  | 96   | 85873    | 6.637  | ug/L  | 100      |
| 19) 1,1-Dichloroethane        | 3.179  | 63   | 142645   | 6.269  | ug/L  | 100      |
| 21) 2-Butanone                | 3.982  | 43   | 150608   | 60.879 | ug/L  | 100      |
| 22) cis-1,2-Dichloroethene    | 3.899  | 96   | 89948    | 6.211  | ug/L  | 100      |
| 23) Bromochloromethane        | 4.236  | 128  | 38196    | 6.534  | ug/L  | 100      |
| 25) Chloroform                | 4.362  | 83   | 150946   | 6.327  | ug/L  | 100      |
| 27) 1,2-Dichloroethane        | 5.121  | 62   | 76668    | 5.983  | ug/L  | 100      |
| 29) 1,1,1-Trichloroethane     | 4.597  | 97   | 132397   | 5.788  | ug/L  | 100      |
| 30) Cyclohexane               | 4.667  | 56   | 128409   | 5.710  | ug/L  | 100      |
| 31) Carbon tetrachloride      | 4.815  | 117  | 115023   | 5.921  | ug/L  | 100      |
| 33) Benzene                   | 5.088  | 78   | 348916   | 5.846  | ug/L  | 100      |
| 34) Trichloroethene           | 5.905  | 95   | 87928    | 5.799  | ug/L  | 100      |
| 35) Methylcyclohexane         | 6.121  | 83   | 148623   | 5.834  | ug/L  | 100      |
| 37) 1,2-Dichloropropane       | 6.162  | 63   | 82530    | 5.874  | ug/L  | 100      |
| 38) Bromodichloromethane      | 6.500  | 83   | 105641   | 6.180  | ug/L  | 100      |
| 39) cis-1,3-Dichloropropene   | 7.018  | 75   | 108544   | 5.441  | ug/L  | 100      |
| 40) 4-Methyl-2-pentanone      | 7.223  | 43   | 366080   | 56.676 | ug/L  | 100      |
| 42) Toluene                   | 7.378  | 91   | 383111   | 5.972  | ug/L  | 100      |
| 44) trans-1,3-Dichloropropene | 7.641  | 75   | 89450    | 5.605  | ug/L  | 100      |

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 Sample : VSTD00518  
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 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Jan 12 21:48:57 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR011223WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Thu Jan 12 21:47:28 2023  
 Response via : Initial Calibration

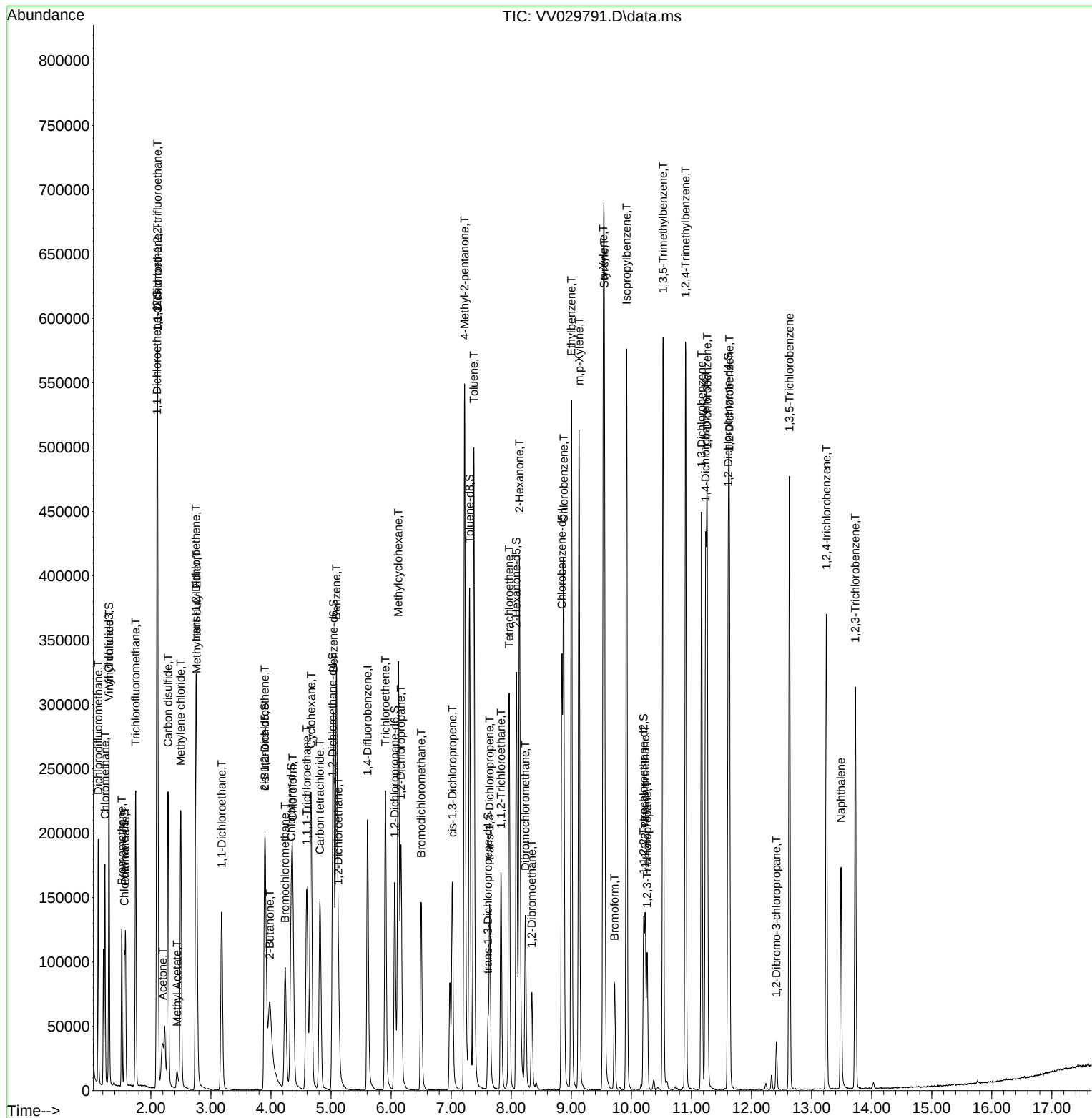
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| 45) 1,1,2-Trichloroethane     | 7.831  | 97   | 58011    | 6.053  | ug/L  | 100      |
| 47) Tetrachloroethene         | 7.966  | 164  | 74023    | 5.918  | ug/L  | 100      |
| 48) 2-Hexanone                | 8.137  | 43   | 260036   | 57.418 | ug/L  | 100      |
| 49) Dibromochloromethane      | 8.236  | 129  | 69164    | 6.345  | ug/L  | 100      |
| 50) 1,2-Dibromoethane         | 8.342  | 107  | 51630    | 6.171  | ug/L  | 100      |
| 51) Chlorobenzene             | 8.873  | 112  | 231645   | 5.785  | ug/L  | 100      |
| 52) Ethylbenzene              | 9.002  | 91   | 387982   | 5.824  | ug/L  | 100      |
| 53) m,p-Xylene                | 9.130  | 106  | 156009   | 5.902  | ug/L  | 100      |
| 54) o-Xylene                  | 9.532  | 106  | 143483   | 5.604  | ug/L  | 100      |
| 55) Styrene                   | 9.551  | 104  | 257017   | 5.887  | ug/L  | 100      |
| 57) 1,1,2,2-Tetrachloroethane | 10.230 | 83   | 64825    | 6.395  | ug/L  | 100      |
| 59) Bromoform                 | 9.719  | 173  | 37911    | 6.227  | ug/L  | 100      |
| 60) Isopropylbenzene          | 9.921  | 105  | 381439   | 5.352  | ug/L  | 100      |
| 61) 1,2,3-Trichloropropane    | 10.262 | 75   | 43650    | 5.633  | ug/L  | 100      |
| 62) 1,3,5-Trimethylbenzene    | 10.529 | 105  | 318682   | 5.207  | ug/L  | 100      |
| 63) 1,2,4-Trimethylbenzene    | 10.902 | 105  | 321637   | 5.212  | ug/L  | 100      |
| 64) 1,3-Dichlorobenzene       | 11.169 | 146  | 188862   | 5.603  | ug/L  | 100      |
| 65) 1,4-Dichlorobenzene       | 11.262 | 146  | 186312   | 5.580  | ug/L  | 100      |
| 67) 1,2-Dichlorobenzene       | 11.632 | 146  | 171079   | 5.521  | ug/L  | 100      |
| 68) 1,2-Dibromo-3-chloropr... | 12.416 | 75   | 9416     | 6.007  | ug/L  | 100      |
| 69) 1,3,5-Trichlorobenzene    | 12.632 | 180  | 150667   | 5.446  | ug/L  | 100      |
| 70) 1,2,4-trichlorobenzene    | 13.246 | 180  | 117811   | 5.297  | ug/L  | 100      |
| 71) Naphthalene               | 13.490 | 128  | 148223   | 6.902  | ug/L  | 100      |
| 72) 1,2,3-Trichlorobenzene    | 13.728 | 180  | 98496    | 5.421  | ug/L  | 100      |
| -----                         |        |      |          |        |       |          |

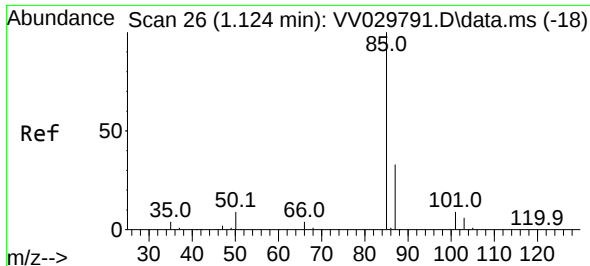
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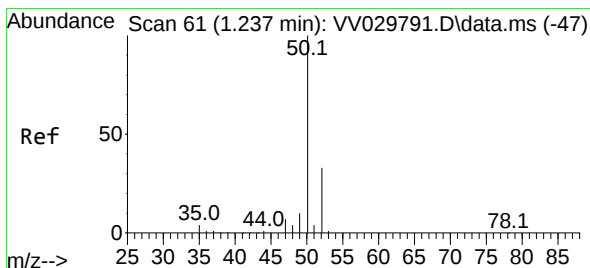
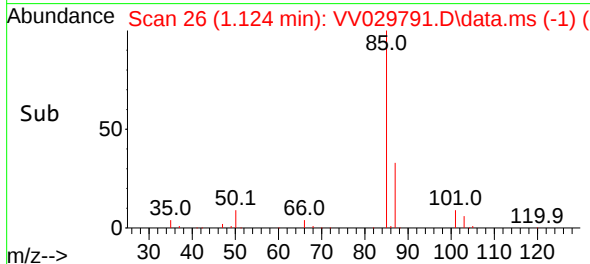
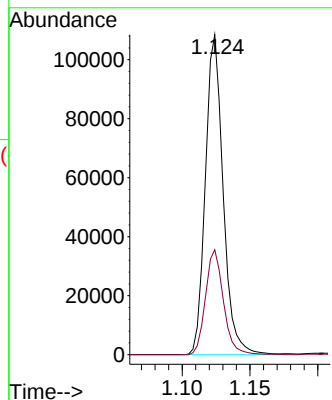
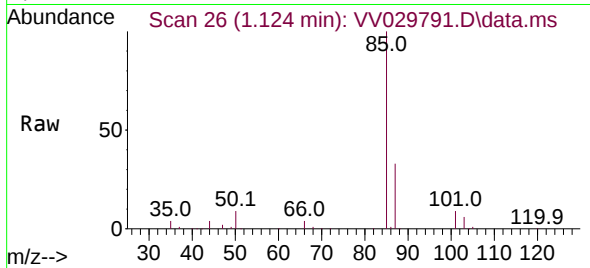




#2  
 Dichlorodifluoromethane  
 Concen: 6.179 ug/L  
 RT: 1.124 min Scan# 26  
 Delta R.T. 0.000 min  
 Lab File: VV029791.D  
 Acq: 12 Jan 2023 17:18

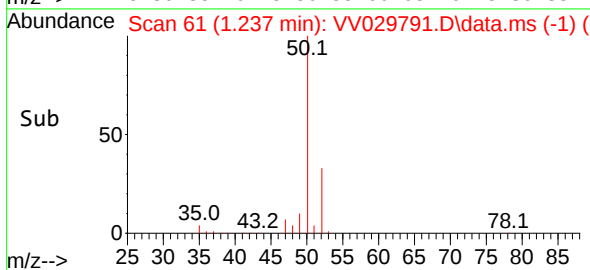
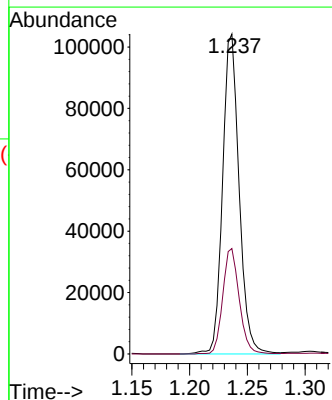
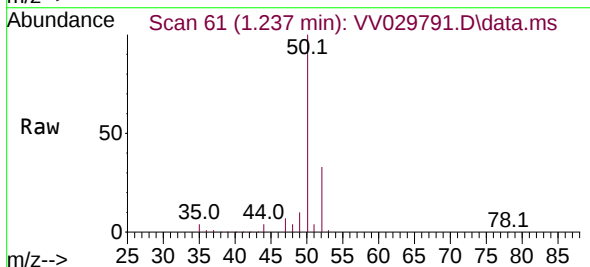
Instrument :  
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 ClientSampleId :

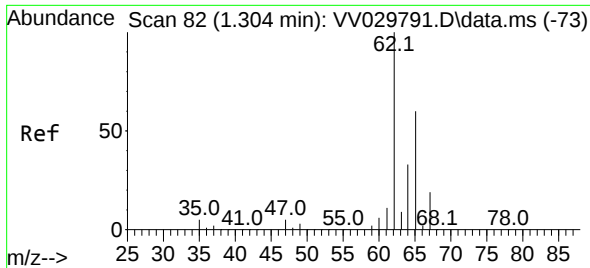
Tgt Ion: 85 Resp: 98870  
 Ion Ratio Lower Upper  
 85 100  
 87 33.1 26.5 39.7



#3  
 Chloromethane  
 Concen: 6.791 ug/L  
 RT: 1.237 min Scan# 61  
 Delta R.T. 0.000 min  
 Lab File: VV029791.D  
 Acq: 12 Jan 2023 17:18

Tgt Ion: 50 Resp: 103803  
 Ion Ratio Lower Upper  
 50 100  
 52 33.0 23.1 42.9

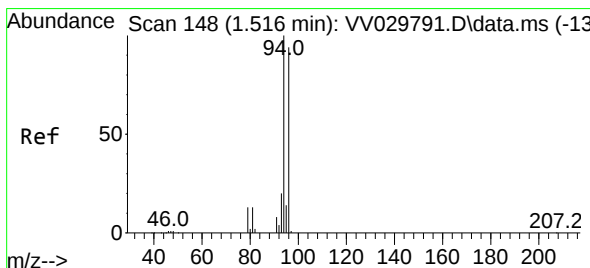
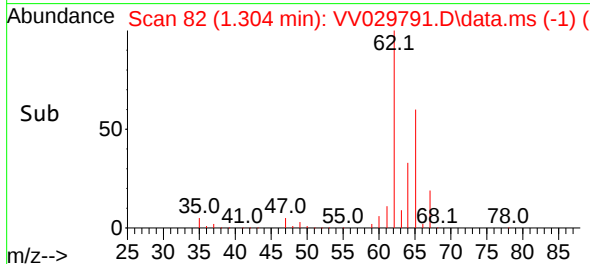
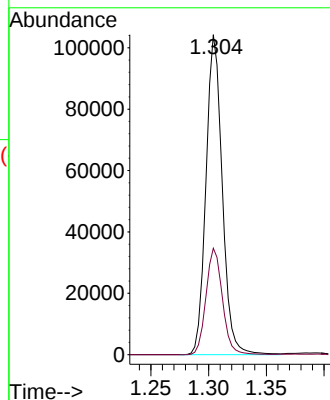
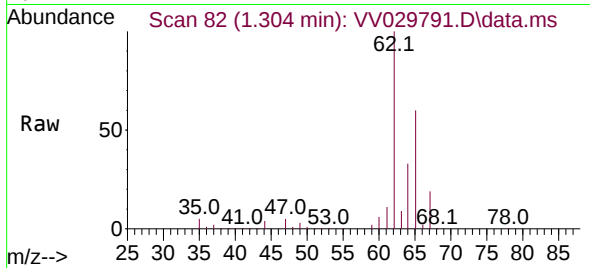




#5  
 Vinyl chloride  
 Concen: 6.778 ug/L  
 RT: 1.304 min Scan# 82  
 Delta R.T. 0.000 min  
 Lab File: VV029791.D  
 Acq: 12 Jan 2023 17:18

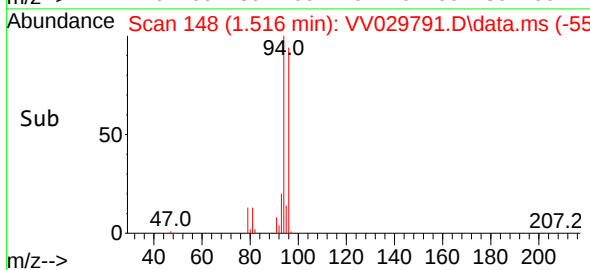
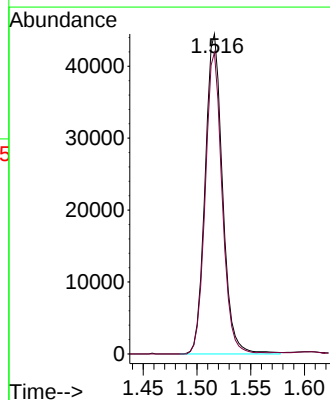
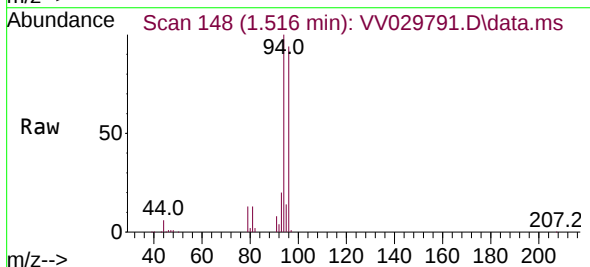
Instrument :  
 MSVOA\_V  
 ClientSampleId :

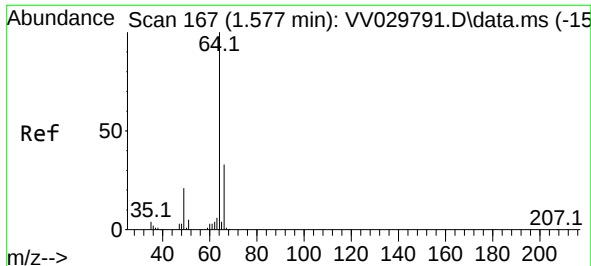
Tgt Ion: 62 Resp: 102182  
 Ion Ratio Lower Upper  
 62 100  
 64 33.2 23.2 43.2



#6  
 Bromomethane  
 Concen: 5.699 ug/L  
 RT: 1.516 min Scan# 148  
 Delta R.T. 0.000 min  
 Lab File: VV029791.D  
 Acq: 12 Jan 2023 17:18

Tgt Ion: 94 Resp: 50271  
 Ion Ratio Lower Upper  
 94 100  
 96 94.2 65.9 122.5

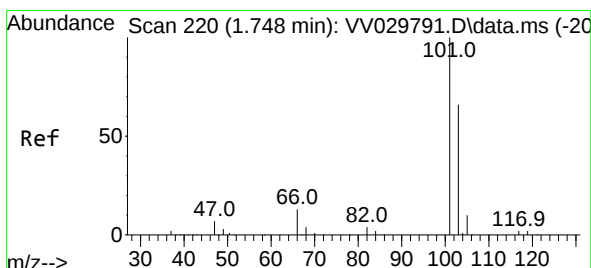
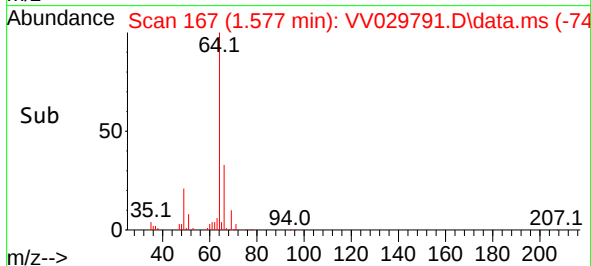
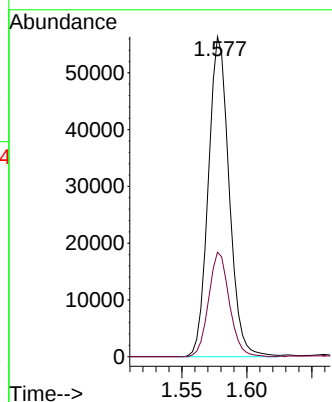
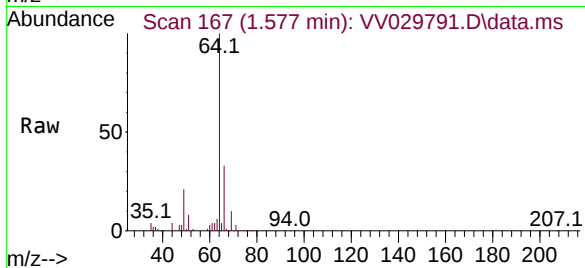




#8  
Chloroethane  
Concen: 6.961 ug/L  
RT: 1.577 min Scan# 1  
Delta R.T. 0.000 min  
Lab File: VV029791.D  
Acq: 12 Jan 2023 17:18

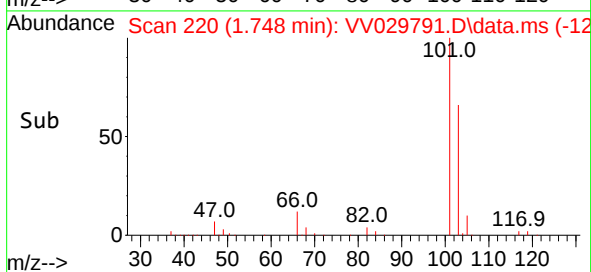
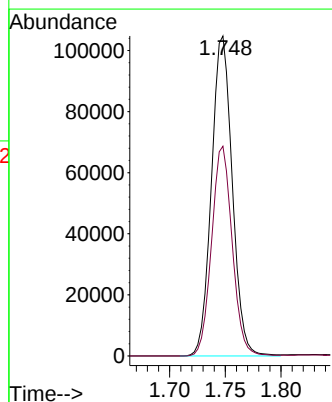
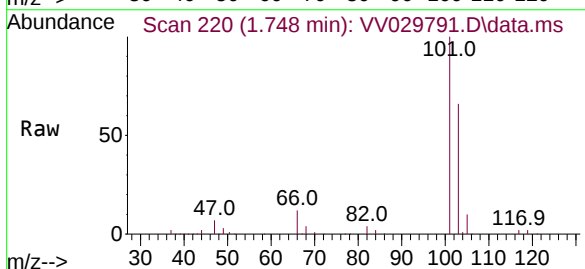
Instrument :  
MSVOA\_V  
ClientSampleId :

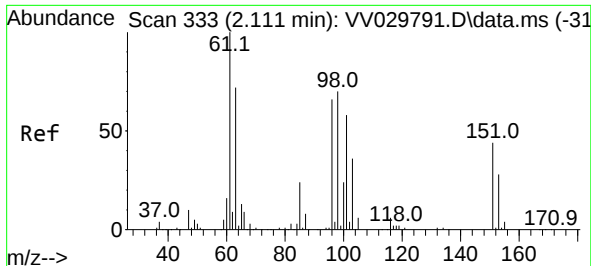
Tgt Ion: 64 Resp: 62882  
Ion Ratio Lower Upper  
64 100  
66 32.7 22.9 42.5



#9  
Trichlorofluoromethane  
Concen: 6.534 ug/L  
RT: 1.748 min Scan# 220  
Delta R.T. 0.000 min  
Lab File: VV029791.D  
Acq: 12 Jan 2023 17:18

Tgt Ion:101 Resp: 136143  
Ion Ratio Lower Upper  
101 100  
103 64.8 51.8 77.8

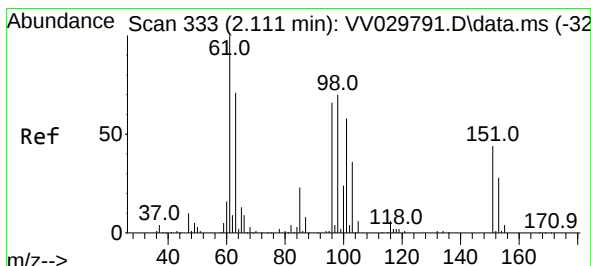
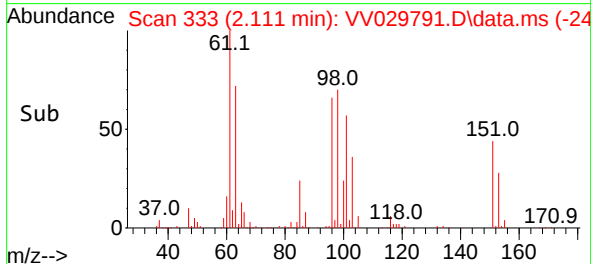
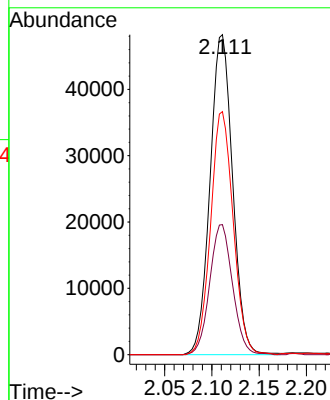
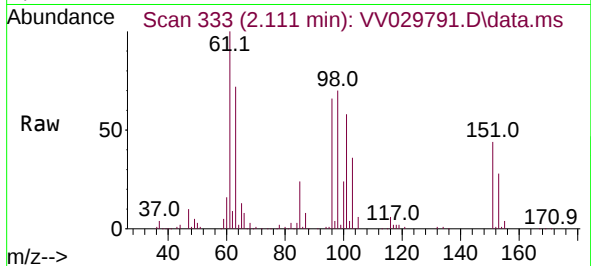




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 6.787 ug/L  
 RT: 2.111 min Scan# 333  
 Delta R.T. 0.000 min  
 Lab File: VV029791.D  
 Acq: 12 Jan 2023 17:18

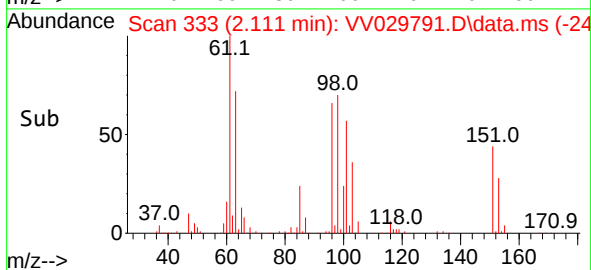
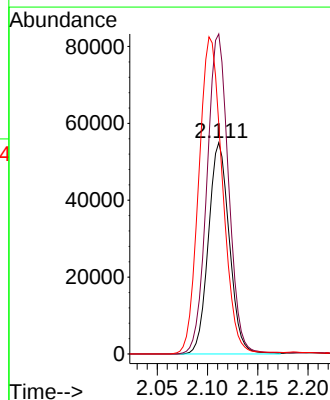
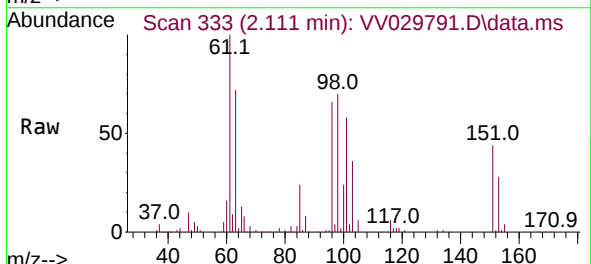
Instrument :  
 MSVOA\_V  
 ClientSampleId :

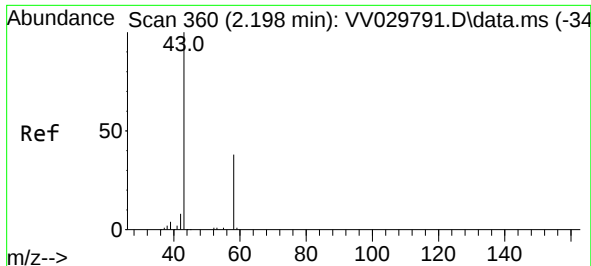
Tgt Ion:101 Resp: 80035  
 Ion Ratio Lower Upper  
 101 100  
 85 41.1 32.9 49.3  
 151 76.1 60.9 91.3



#12  
 1,1-Dichloroethene  
 Concen: 6.926 ug/L  
 RT: 2.111 min Scan# 333  
 Delta R.T. 0.000 min  
 Lab File: VV029791.D  
 Acq: 12 Jan 2023 17:18

Tgt Ion: 96 Resp: 79389  
 Ion Ratio Lower Upper  
 96 100  
 61 151.6 106.1 197.1  
 63 109.1 76.4 141.8





#13

Acetone

Concen: 58.550 ug/L

RT: 2.198 min Scan# 360

Delta R.T. 0.000 min

Lab File: VV029791.D

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MSVOA\_V

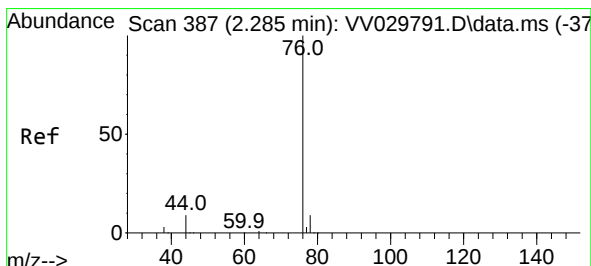
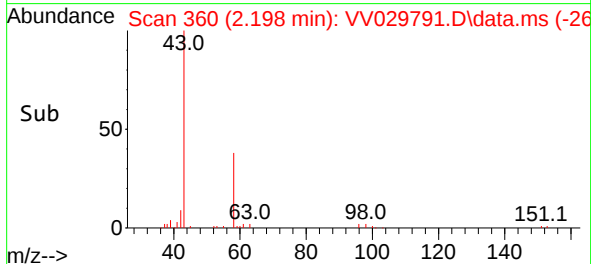
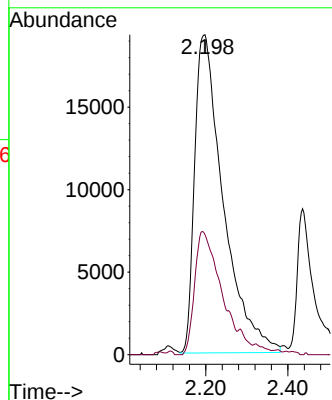
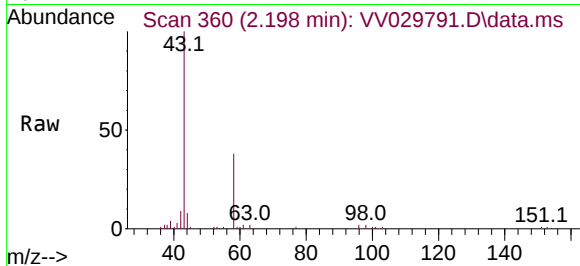
ClientSampleId :

Tgt Ion: 43 Resp: 93381

Ion Ratio Lower Upper

43 100

58 34.4 0.0 68.8



#14

Carbon disulfide

Concen: 7.559 ug/L

RT: 2.285 min Scan# 387

Delta R.T. 0.000 min

Lab File: VV029791.D

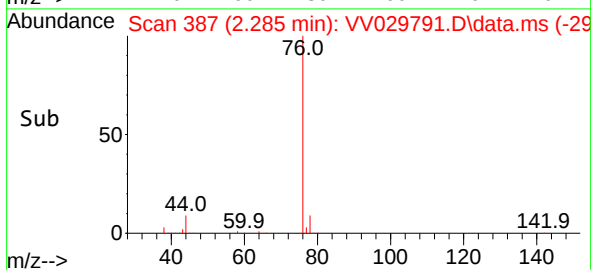
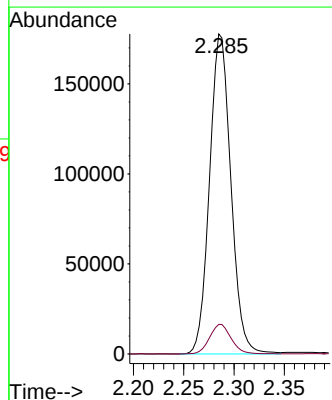
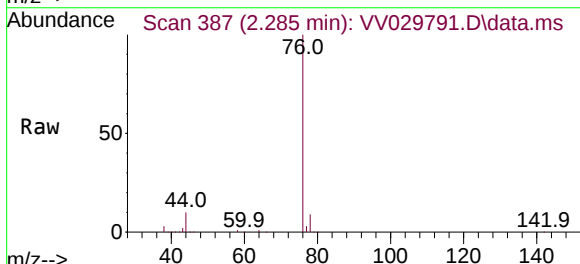
Acq: 12 Jan 2023 17:18

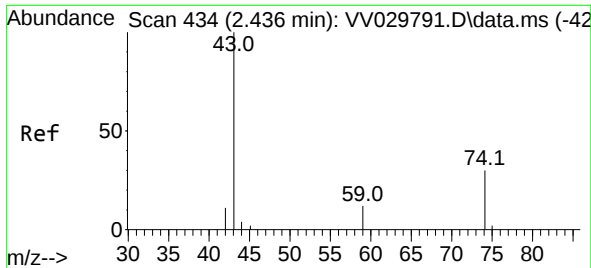
Tgt Ion: 76 Resp: 262659

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.0

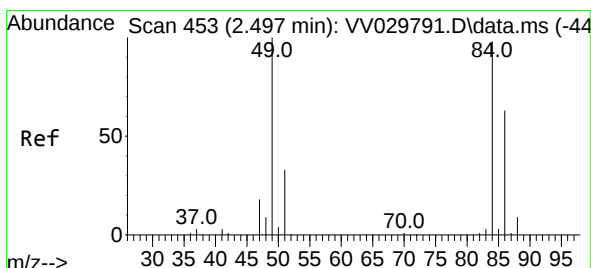
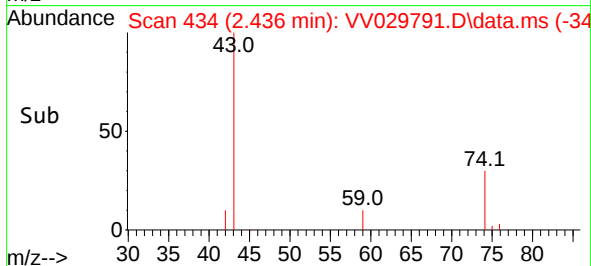
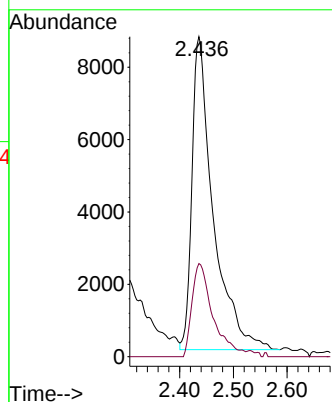
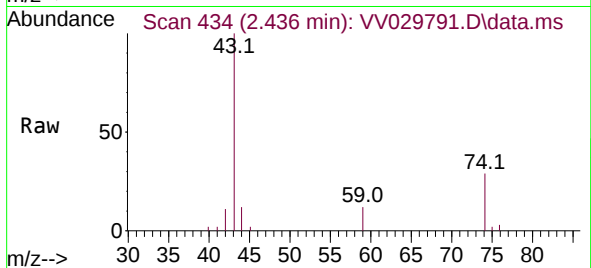




#15  
Methyl Acetate  
Concen: 5.268 ug/L  
RT: 2.436 min Scan# 41  
Delta R.T. 0.000 min  
Lab File: VV029791.D  
Acq: 12 Jan 2023 17:18

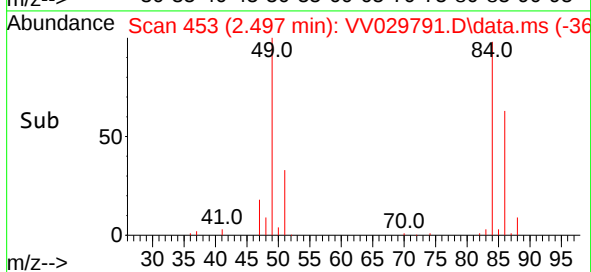
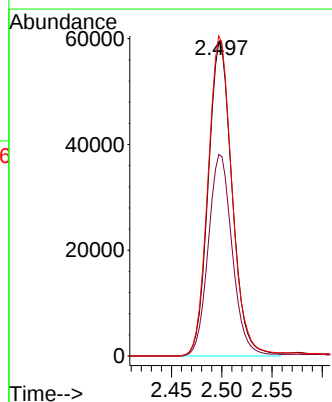
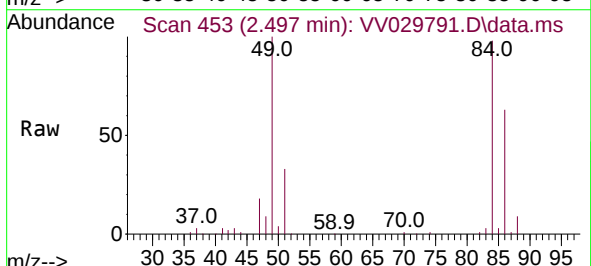
Instrument :  
MSVOA\_V  
ClientSampleId :

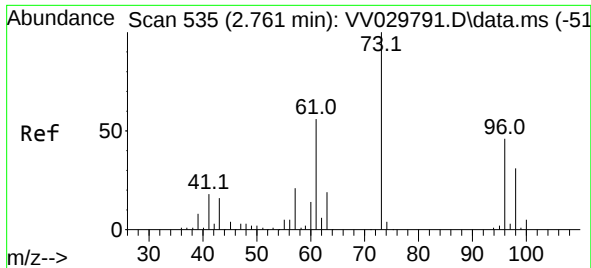
Tgt Ion: 43 Resp: 23746  
Ion Ratio Lower Upper  
43 100  
74 29.2 23.4 35.0



#16  
Methylene chloride  
Concen: 5.713 ug/L  
RT: 2.497 min Scan# 453  
Delta R.T. 0.000 min  
Lab File: VV029791.D  
Acq: 12 Jan 2023 17:18

Tgt Ion: 84 Resp: 97984  
Ion Ratio Lower Upper  
84 100  
86 64.3 45.0 83.6  
49 102.1 71.5 132.7

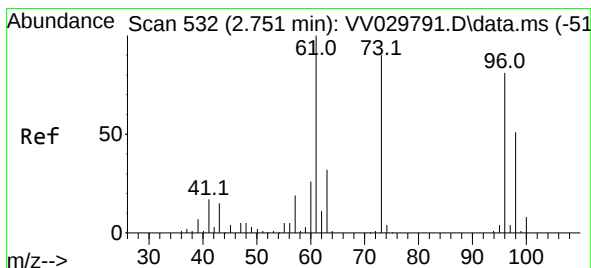
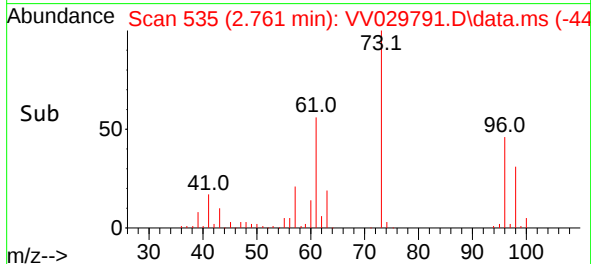
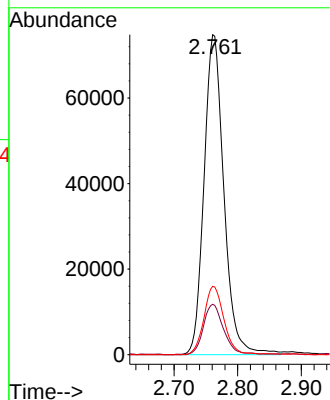
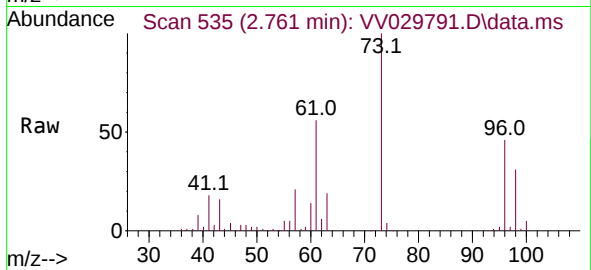




#17  
Methyl tert-butyl Ether  
Concen: 5.870 ug/L  
RT: 2.761 min Scan# 51  
Delta R.T. 0.000 min  
Lab File: VV029791.D  
Acq: 12 Jan 2023 17:18

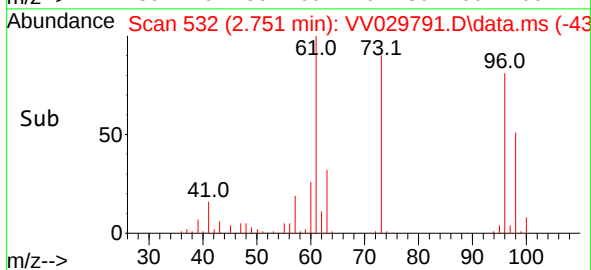
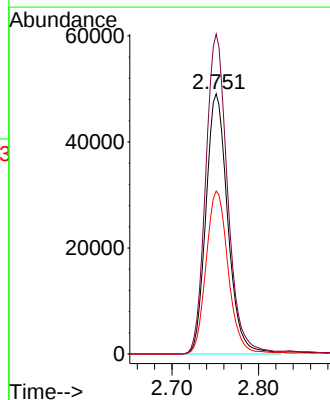
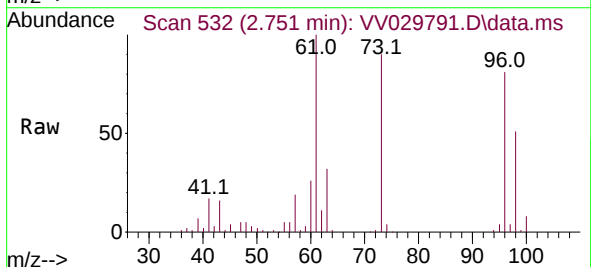
Instrument :  
MSVOA\_V  
ClientSampleId :

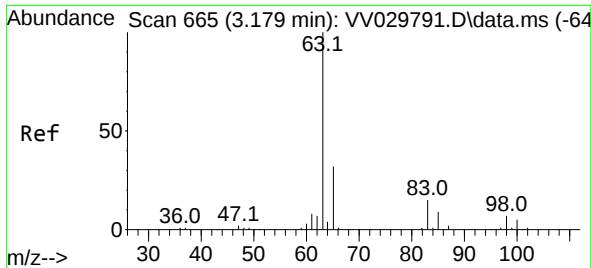
Tgt Ion: 73 Resp: 162357  
Ion Ratio Lower Upper  
73 100  
43 16.2 13.0 19.4  
57 21.4 17.1 25.7



#18  
trans-1,2-Dichloroethene  
Concen: 6.637 ug/L  
RT: 2.751 min Scan# 532  
Delta R.T. 0.000 min  
Lab File: VV029791.D  
Acq: 12 Jan 2023 17:18

Tgt Ion: 96 Resp: 85873  
Ion Ratio Lower Upper  
96 100  
61 123.0 86.1 159.9  
98 62.7 43.9 81.5

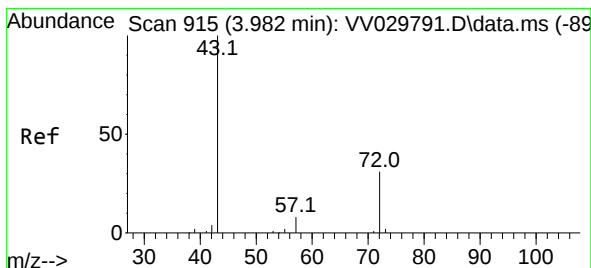
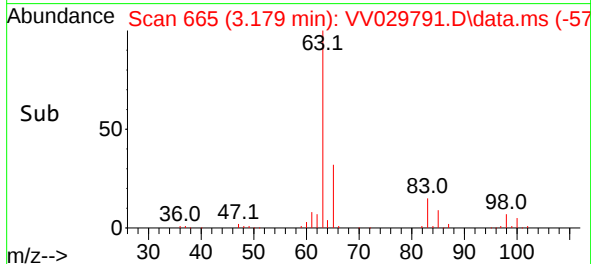
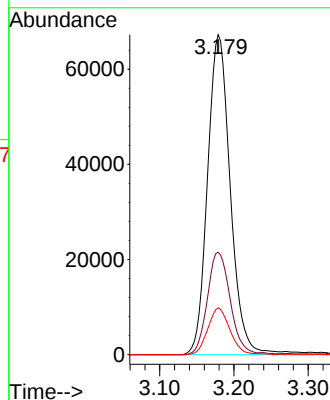
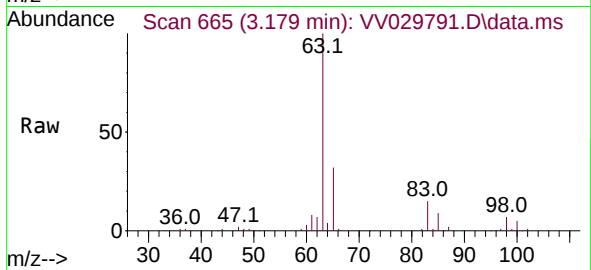




#19  
1,1-Dichloroethane  
Concen: 6.269 ug/L  
RT: 3.179 min Scan# 665  
Delta R.T. 0.000 min  
Lab File: VV029791.D  
Acq: 12 Jan 2023 17:18

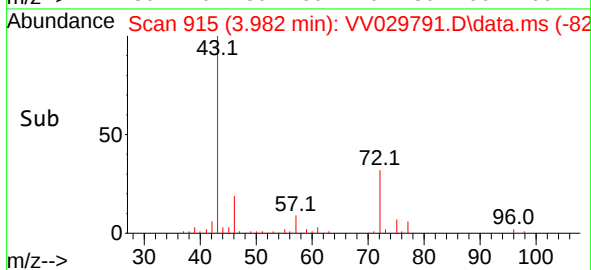
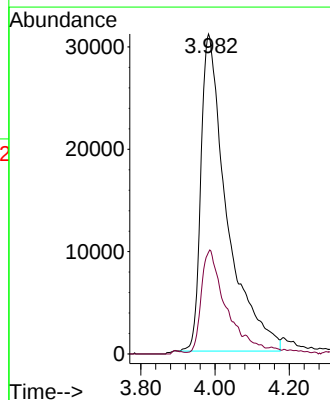
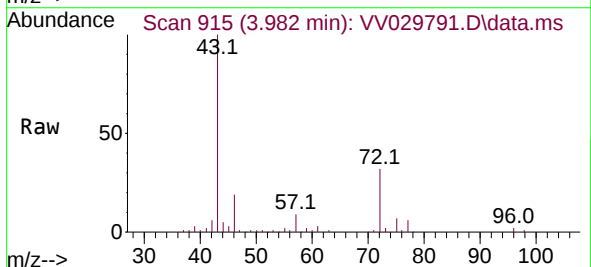
Instrument :  
MSVOA\_V  
ClientSampleId :

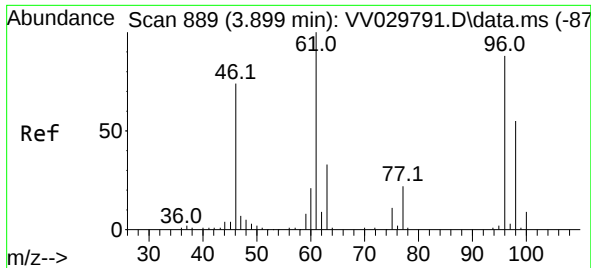
Tgt Ion: 63 Resp: 142645  
Ion Ratio Lower Upper  
63 100  
65 32.0 22.4 41.6  
83 14.6 10.2 19.0



#21  
2-Butanone  
Concen: 60.879 ug/L  
RT: 3.982 min Scan# 915  
Delta R.T. 0.000 min  
Lab File: VV029791.D  
Acq: 12 Jan 2023 17:18

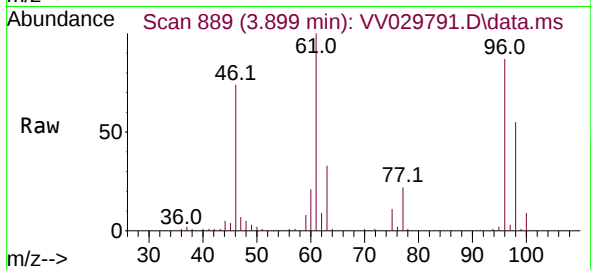
Tgt Ion: 43 Resp: 150608  
Ion Ratio Lower Upper  
43 100  
72 27.7 13.9 41.6





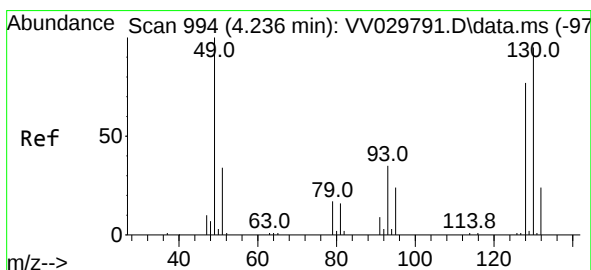
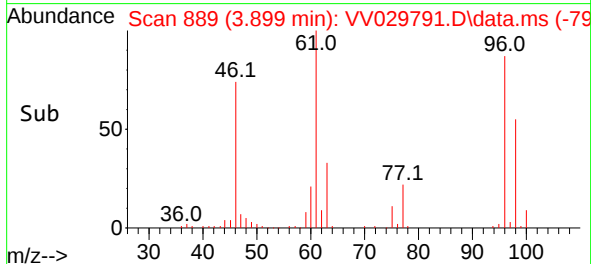
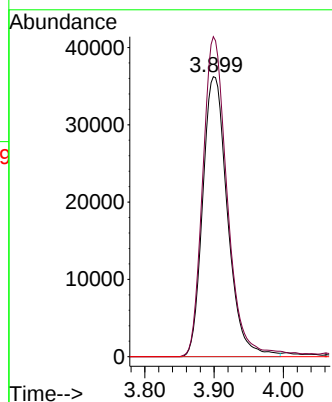
#22  
 cis-1,2-Dichloroethene  
 Concen: 6.211 ug/L  
 RT: 3.899 min Scan# 889  
 Delta R.T. 0.000 min  
 Lab File: VV029791.D  
 Acq: 12 Jan 2023 17:18

Instrument :  
 MSVOA\_V  
 ClientSampleId :



Tgt Ion: 96 Resp: 89948  

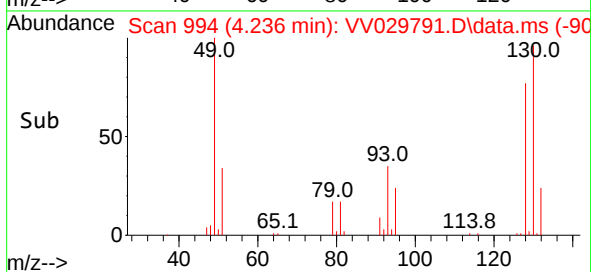
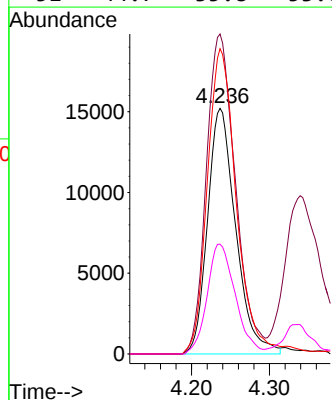
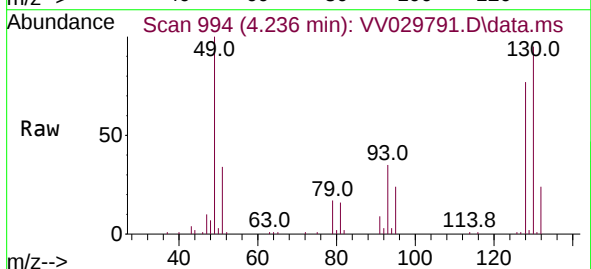
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 114.3 | 80.0  | 148.6 |
| 68  | 0.0   | 0.0   | 0.0   |

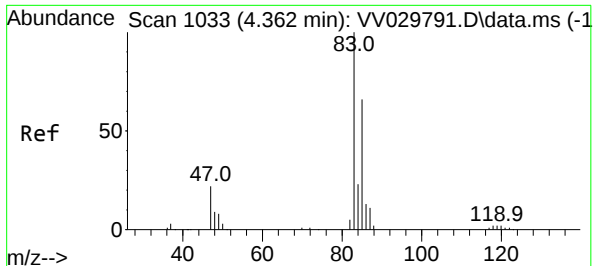


#23  
 Bromochloromethane  
 Concen: 6.534 ug/L  
 RT: 4.236 min Scan# 994  
 Delta R.T. 0.000 min  
 Lab File: VV029791.D  
 Acq: 12 Jan 2023 17:18

Tgt Ion: 128 Resp: 38196  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 128 | 100   |       |       |
| 49  | 130.3 | 91.2  | 169.4 |
| 130 | 124.3 | 87.0  | 161.6 |
| 51  | 44.7  | 35.8  | 53.6  |





#25

Chloroform

Concen: 6.327 ug/L

RT: 4.362 min Scan# 1033

Delta R.T. 0.000 min

Lab File: VV029791.D

Acq: 12 Jan 2023 17:18

Instrument :

MSVOA\_V

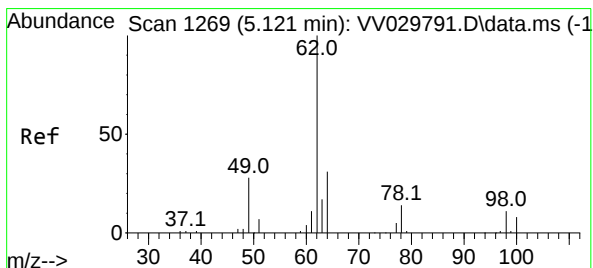
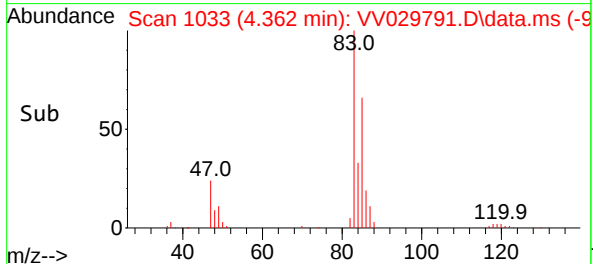
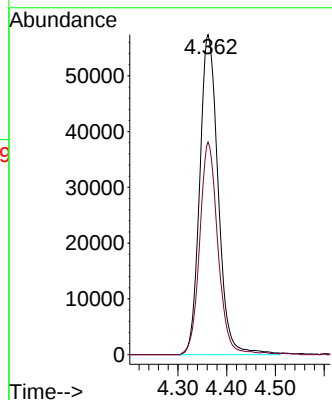
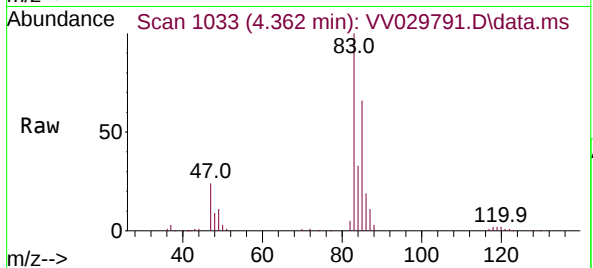
ClientSampleId :

Tgt Ion: 83 Resp: 150946

Ion Ratio Lower Upper

83 100

85 66.5 46.5 86.5



#27

1,2-Dichloroethane

Concen: 5.983 ug/L

RT: 5.121 min Scan# 1269

Delta R.T. 0.000 min

Lab File: VV029791.D

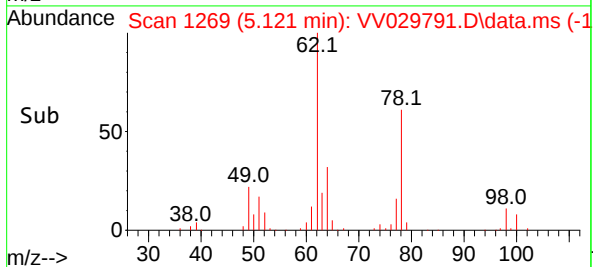
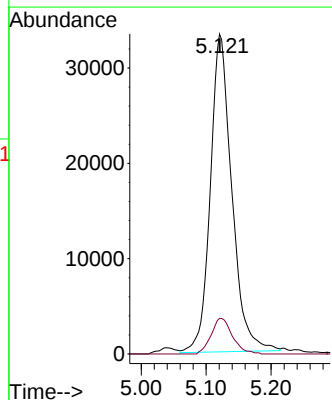
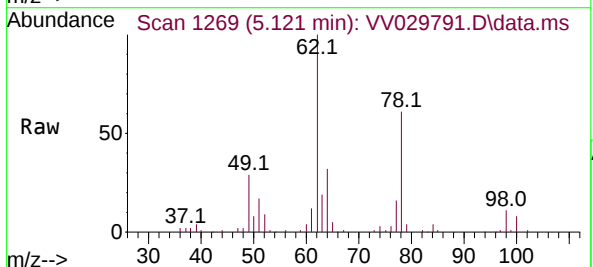
Acq: 12 Jan 2023 17:18

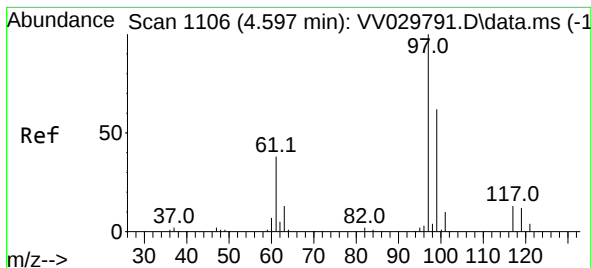
Tgt Ion: 62 Resp: 76668

Ion Ratio Lower Upper

62 100

98 11.1 8.9 13.3





#29

1,1,1-Trichloroethane

Concen: 5.788 ug/L

RT: 4.597 min Scan# 1106

Delta R.T. 0.000 min

Lab File: VV029791.D

Acq: 12 Jan 2023 17:18

Instrument :

MSVOA\_V

ClientSampleId :

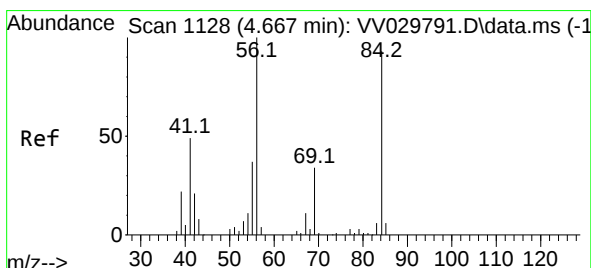
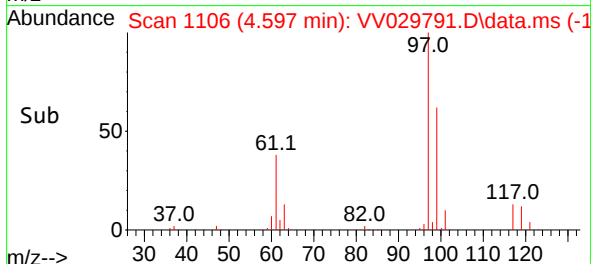
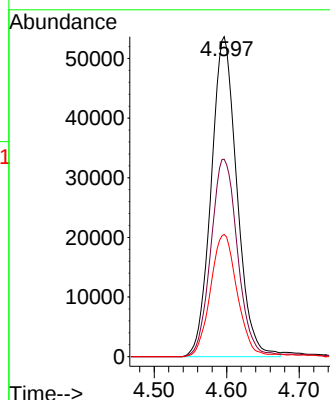
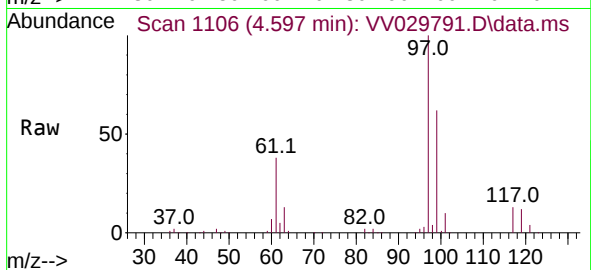
Tgt Ion: 97 Resp: 132397

Ion Ratio Lower Upper

97 100

99 64.1 51.3 76.9

61 39.5 31.6 47.4



#30

Cyclohexane

Concen: 5.710 ug/L

RT: 4.667 min Scan# 1128

Delta R.T. 0.000 min

Lab File: VV029791.D

Acq: 12 Jan 2023 17:18

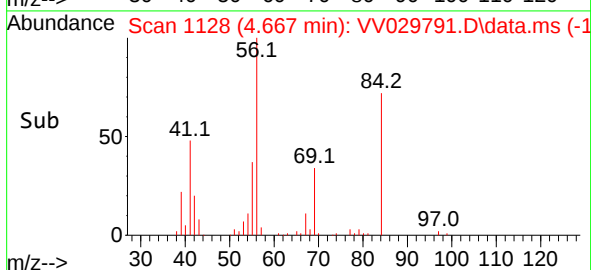
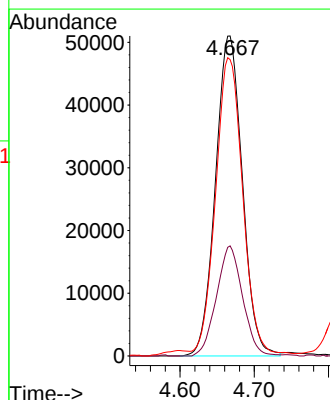
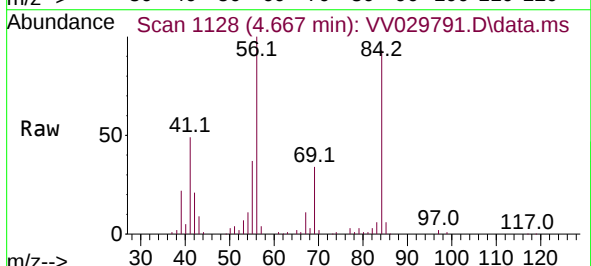
Tgt Ion: 56 Resp: 128409

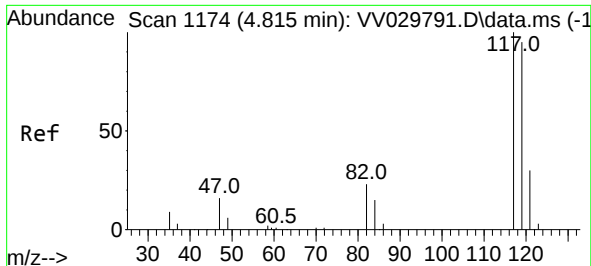
Ion Ratio Lower Upper

56 100

69 33.4 26.7 40.1

84 92.3 73.8 110.8

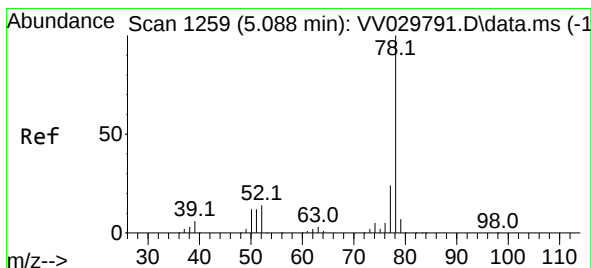
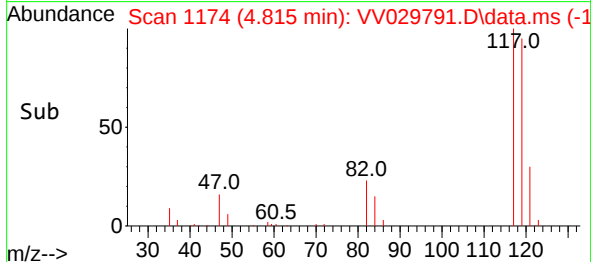
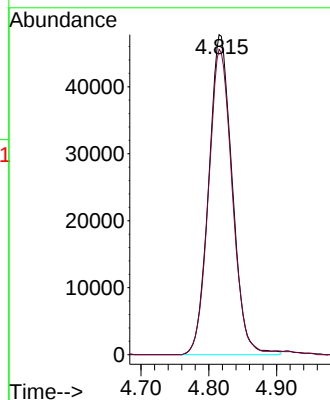
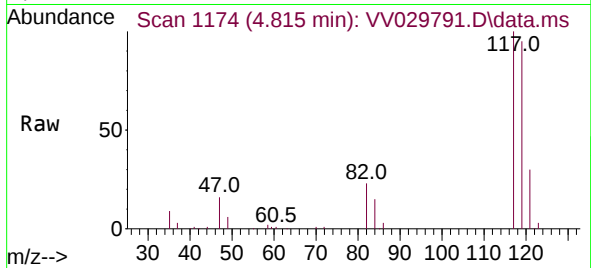




#31  
Carbon tetrachloride  
Concen: 5.921 ug/L  
RT: 4.815 min Scan# 1174  
Delta R.T. 0.000 min  
Lab File: VV029791.D  
Acq: 12 Jan 2023 17:18

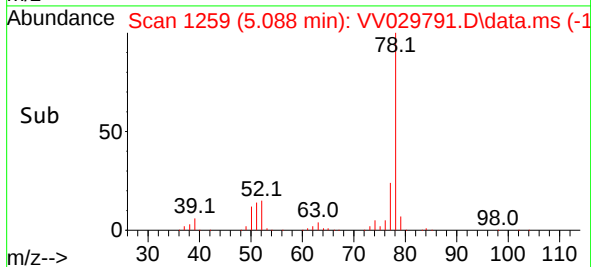
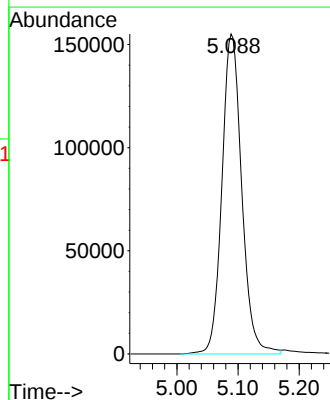
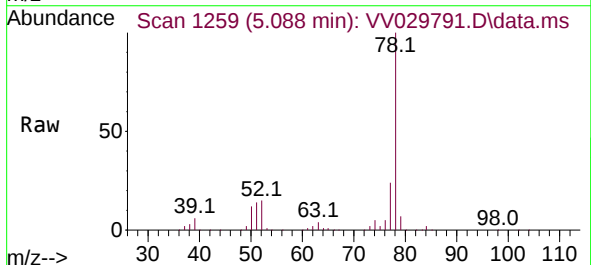
Instrument :  
MSVOA\_V  
ClientSampleId :

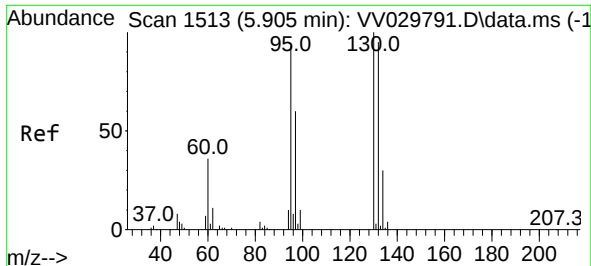
Tgt Ion:117 Resp: 115023  
Ion Ratio Lower Upper  
117 100  
119 95.7 76.6 114.8



#33  
Benzene  
Concen: 5.846 ug/L  
RT: 5.088 min Scan# 1259  
Delta R.T. 0.000 min  
Lab File: VV029791.D  
Acq: 12 Jan 2023 17:18

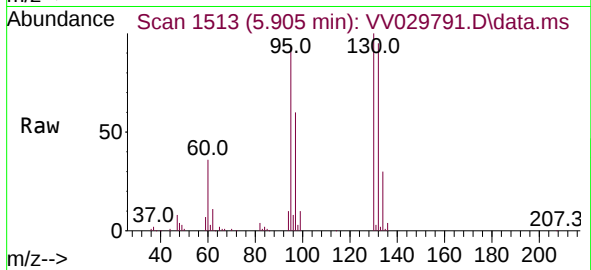
Tgt Ion: 78 Resp: 348916



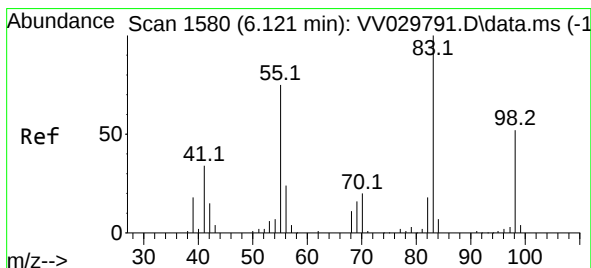
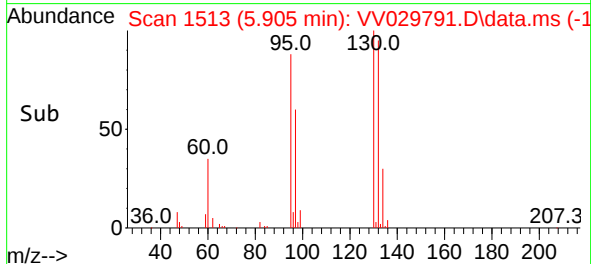
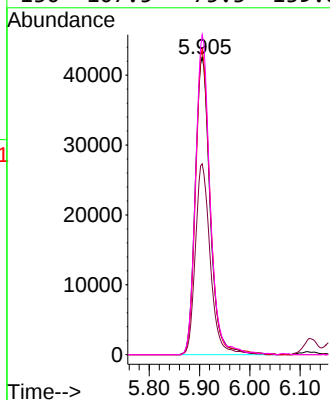


#34  
 Trichloroethene  
 Concen: 5.799 ug/L  
 RT: 5.905 min Scan# 1513  
 Delta R.T. 0.000 min  
 Lab File: VV029791.D  
 Acq: 12 Jan 2023 17:18

Instrument :  
 MSVOA\_V  
 ClientSampleId :

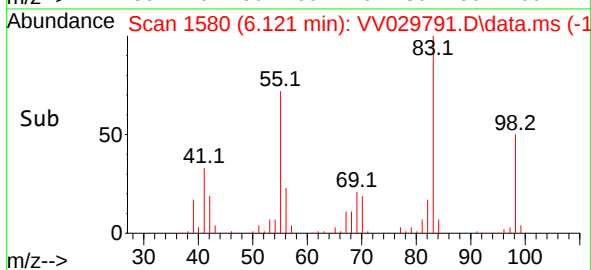
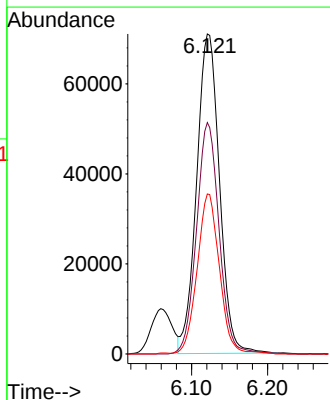
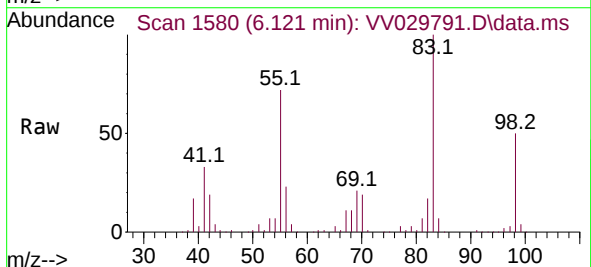


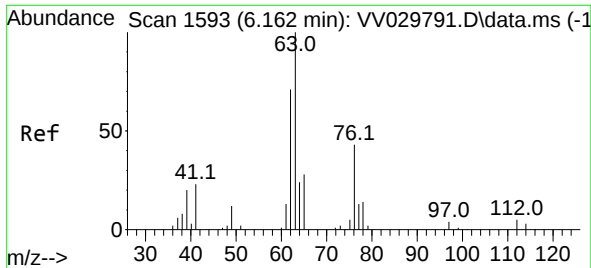
Tgt Ion: 95 Resp: 87928  
 Ion Ratio Lower Upper  
 95 100  
 97 64.1 44.9 83.3  
 132 102.6 71.8 133.4  
 130 107.5 75.3 139.8



#35  
 Methylcyclohexane  
 Concen: 5.834 ug/L  
 RT: 6.121 min Scan# 1580  
 Delta R.T. 0.000 min  
 Lab File: VV029791.D  
 Acq: 12 Jan 2023 17:18

Tgt Ion: 83 Resp: 148623  
 Ion Ratio Lower Upper  
 83 100  
 55 71.6 57.3 85.9  
 98 48.8 39.0 58.6





#37

1,2-Dichloropropane

Concen: 5.874 ug/L

RT: 6.162 min Scan# 1

Delta R.T. 0.000 min

Lab File: VV029791.D

Acq: 12 Jan 2023 17:18

Instrument :

MSVOA\_V

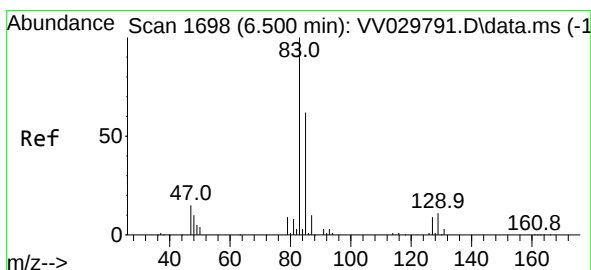
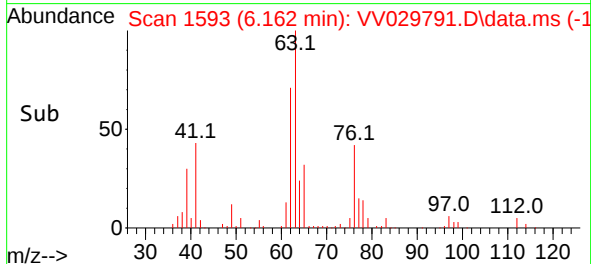
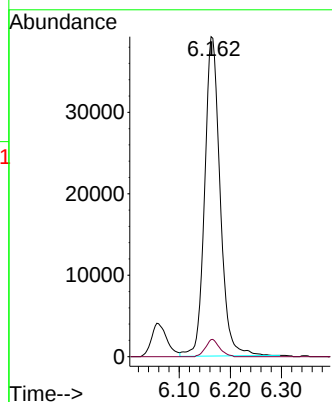
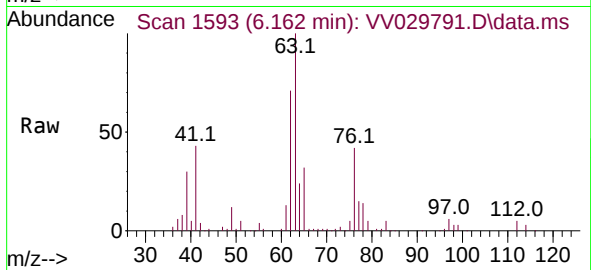
ClientSampleId :

Tgt Ion: 63 Resp: 82530

Ion Ratio Lower Upper

63 100

112 4.9 3.9 5.9



#38

Bromodichloromethane

Concen: 6.180 ug/L

RT: 6.500 min Scan# 1698

Delta R.T. 0.000 min

Lab File: VV029791.D

Acq: 12 Jan 2023 17:18

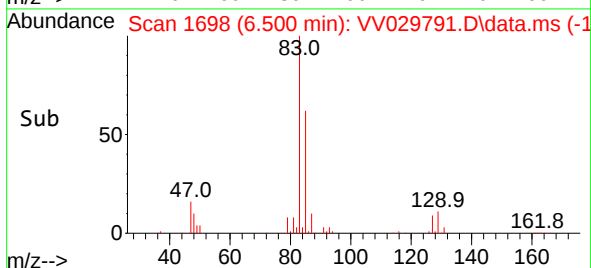
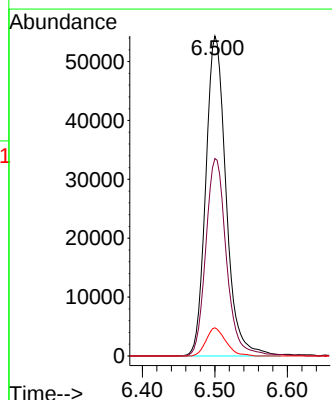
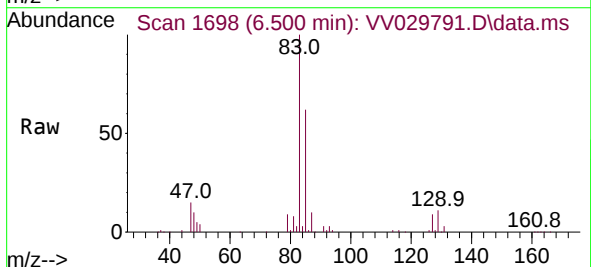
Tgt Ion: 83 Resp: 105641

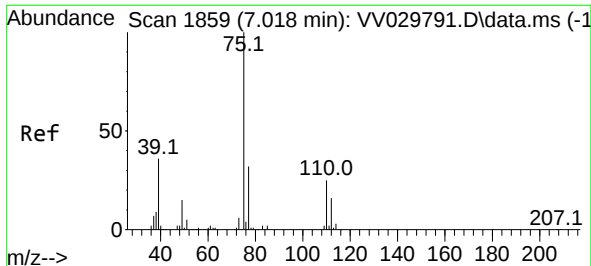
Ion Ratio Lower Upper

83 100

85 61.7 43.2 80.2

127 8.8 7.0 10.6





#39

cis-1,3-Dichloropropene

Concen: 5.441 ug/L

RT: 7.018 min Scan# 1859

Delta R.T. 0.000 min

Lab File: VV029791.D

Acq: 12 Jan 2023 17:18

Instrument :

MSVOA\_V

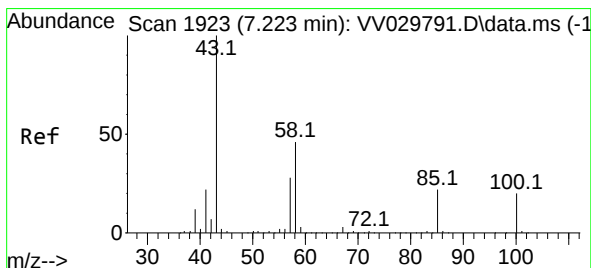
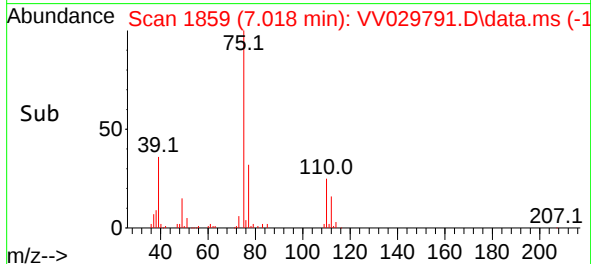
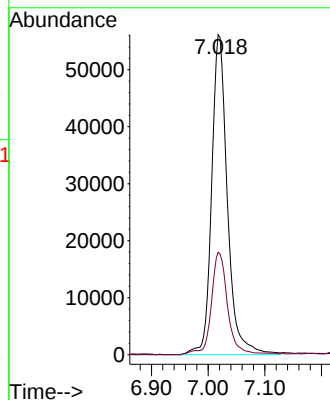
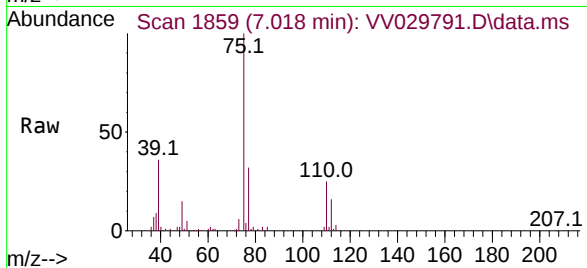
ClientSampleId :

Tgt Ion: 75 Resp: 108544

Ion Ratio Lower Upper

75 100

77 32.0 22.4 41.6



#40

4-Methyl-2-pentanone

Concen: 56.676 ug/L

RT: 7.223 min Scan# 1923

Delta R.T. 0.000 min

Lab File: VV029791.D

Acq: 12 Jan 2023 17:18

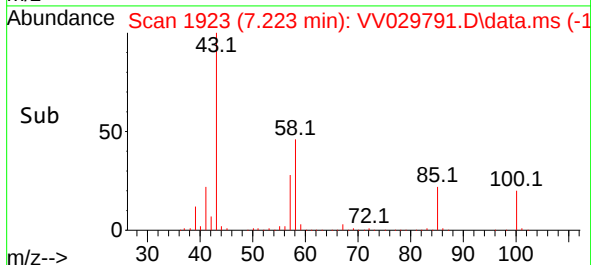
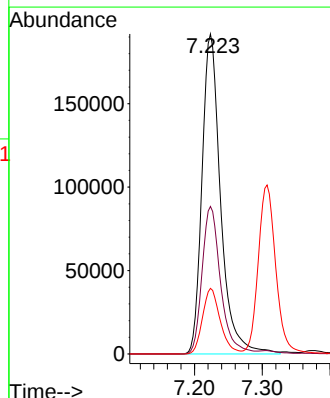
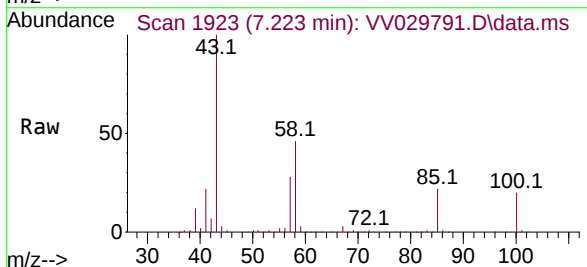
Tgt Ion: 43 Resp: 366080

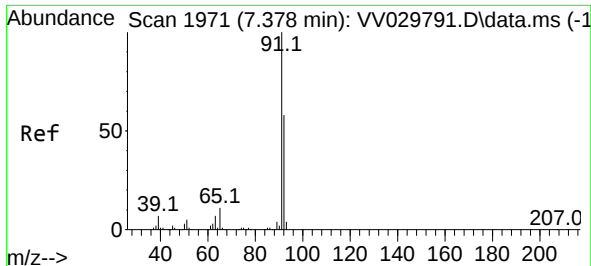
Ion Ratio Lower Upper

43 100

58 45.9 36.7 55.1

100 19.5 15.6 23.4





#42

Toluene

Concen: 5.972 ug/L

RT: 7.378 min Scan# 1971

Delta R.T. 0.000 min

Lab File: VV029791.D

Acq: 12 Jan 2023 17:18

Instrument :

MSVOA\_V

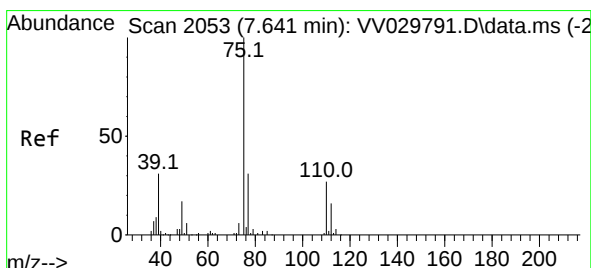
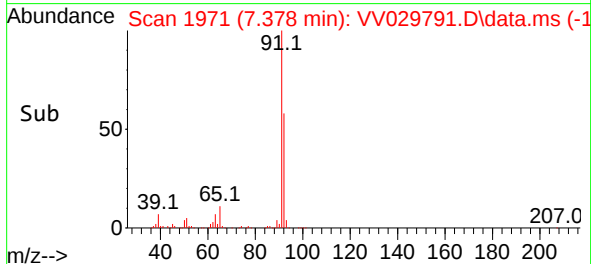
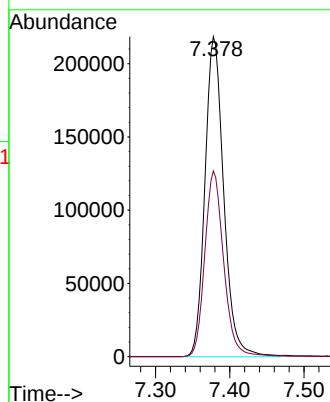
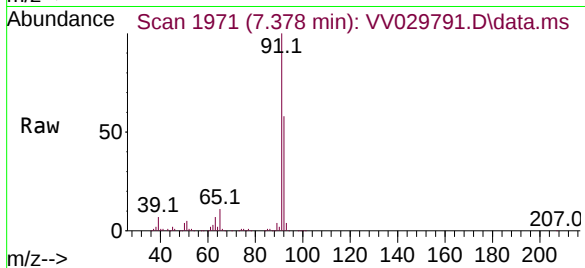
ClientSampleId :

Tgt Ion: 91 Resp: 383111

Ion Ratio Lower Upper

91 100

92 58.0 40.6 75.4



#44

trans-1,3-Dichloropropene

Concen: 5.605 ug/L

RT: 7.641 min Scan# 2053

Delta R.T. 0.000 min

Lab File: VV029791.D

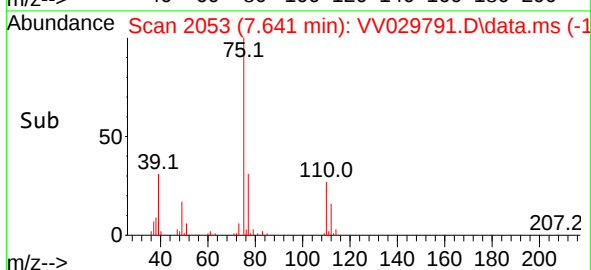
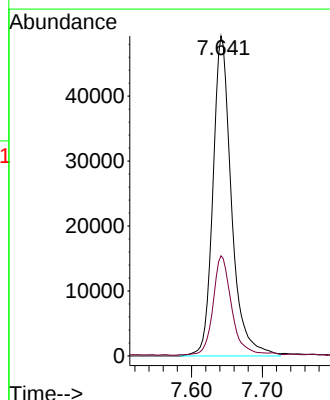
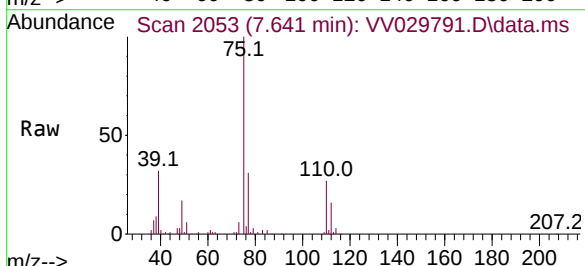
Acq: 12 Jan 2023 17:18

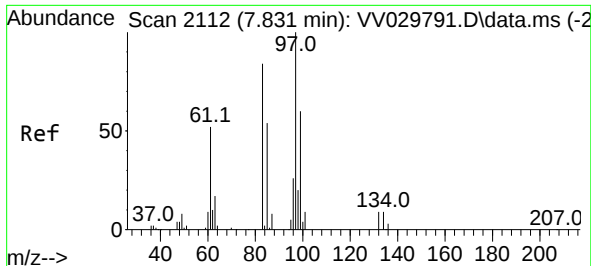
Tgt Ion: 75 Resp: 89450

Ion Ratio Lower Upper

75 100

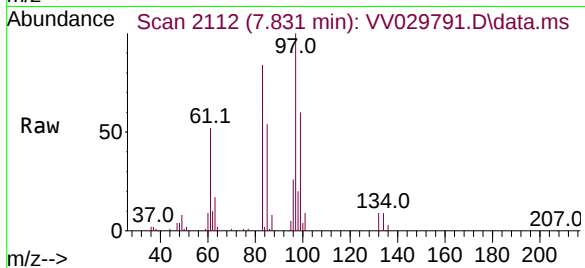
77 31.3 21.9 40.7



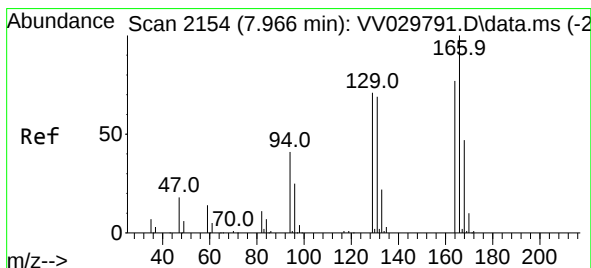
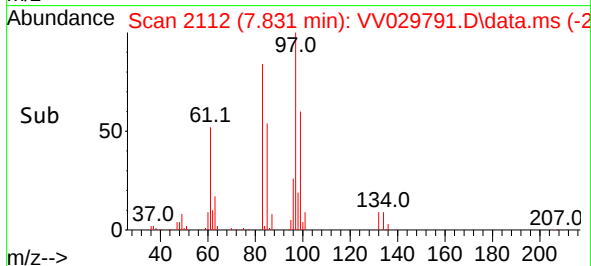
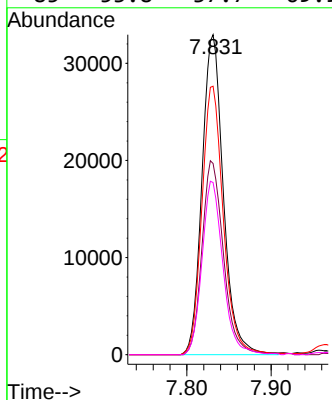


#45  
1,1,2-Trichloroethane  
Concen: 6.053 ug/L  
RT: 7.831 min Scan# 2112  
Delta R.T. 0.000 min  
Lab File: VV029791.D  
Acq: 12 Jan 2023 17:18

Instrument :  
MSVOA\_V  
ClientSampleId :

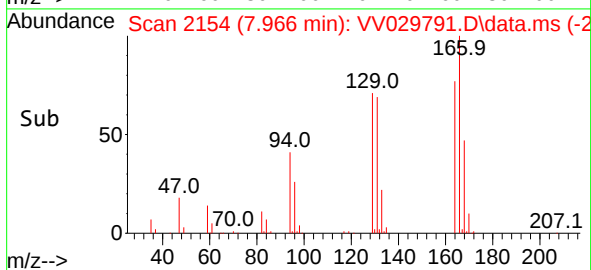
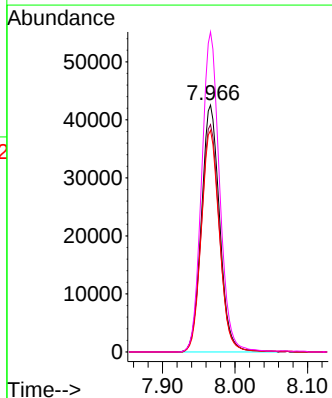
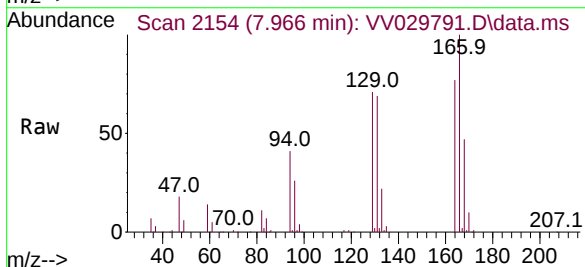


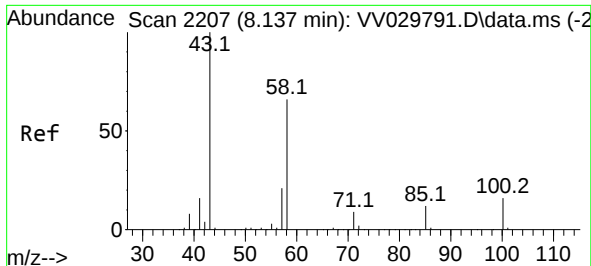
|             |             |
|-------------|-------------|
| Tgt Ion: 97 | Resp: 58011 |
| Ion Ratio   | Lower Upper |
| 97 100      |             |
| 99 59.8     | 41.9 77.7   |
| 83 83.9     | 58.7 109.1  |
| 85 53.8     | 37.7 69.9   |



#47  
Tetrachloroethene  
Concen: 5.918 ug/L  
RT: 7.966 min Scan# 2154  
Delta R.T. 0.000 min  
Lab File: VV029791.D  
Acq: 12 Jan 2023 17:18

|              |             |
|--------------|-------------|
| Tgt Ion: 164 | Resp: 74023 |
| Ion Ratio    | Lower Upper |
| 164 100      |             |
| 129 92.1     | 64.5 119.7  |
| 131 89.8     | 62.9 116.7  |
| 166 129.6    | 90.7 168.5  |

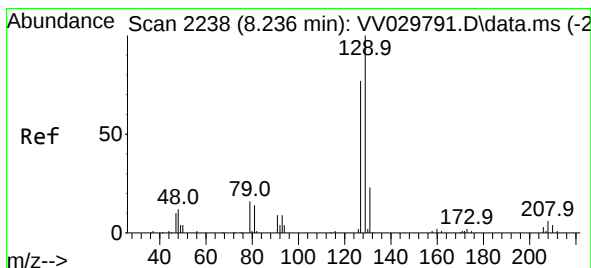
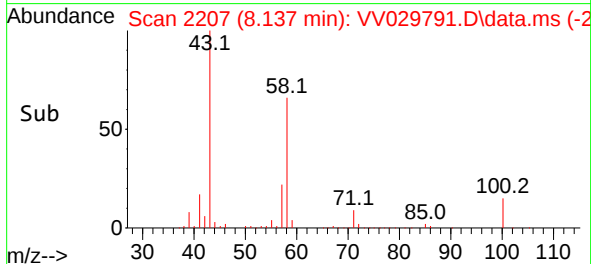
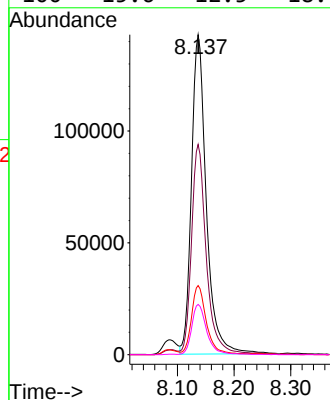
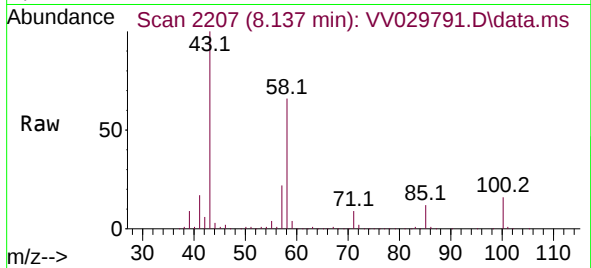




#48  
2-Hexanone  
Concen: 57.418 ug/L  
RT: 8.137 min Scan# 2207  
Delta R.T. 0.000 min  
Lab File: VV029791.D  
Acq: 12 Jan 2023 17:18

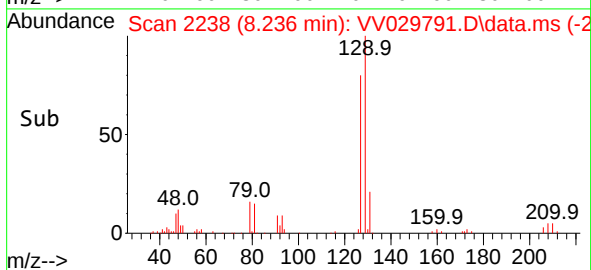
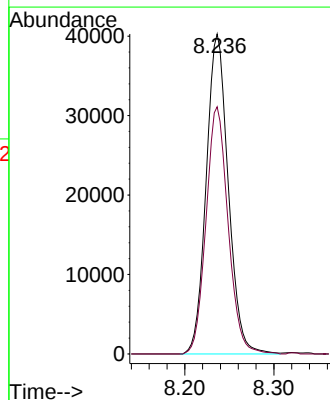
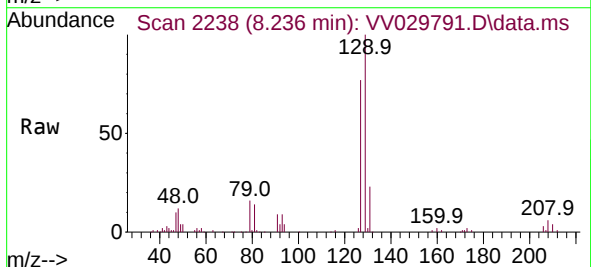
Instrument :  
MSVOA\_V  
ClientSampleId :

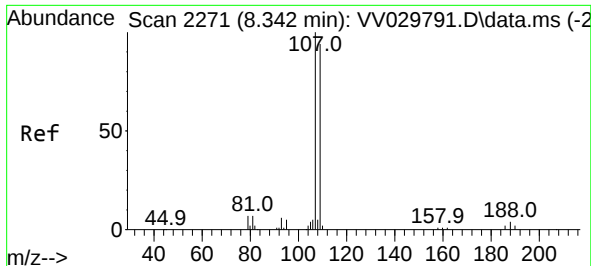
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 43    | Resp: | 260036 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 58       | 64.3  | 51.4  | 77.2   |
| 57       | 21.3  | 17.0  | 25.6   |
| 100      | 15.6  | 12.5  | 18.7   |



#49  
Dibromochloromethane  
Concen: 6.345 ug/L  
RT: 8.236 min Scan# 2238  
Delta R.T. 0.000 min  
Lab File: VV029791.D  
Acq: 12 Jan 2023 17:18

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 129   | Resp: | 69164 |
| Ion      | Ratio | Lower | Upper |
| 129      | 100   |       |       |
| 127      | 77.3  | 54.1  | 100.5 |





#50

1,2-Dibromoethane

Concen: 6.171 ug/L

RT: 8.342 min Scan# 21

Delta R.T. 0.000 min

Lab File: VV029791.D

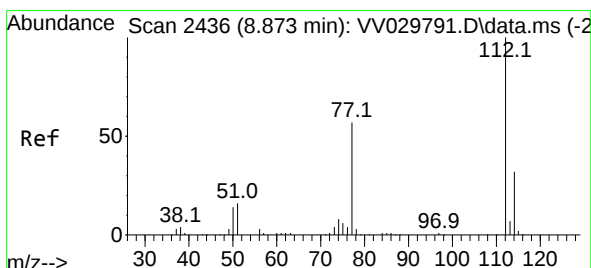
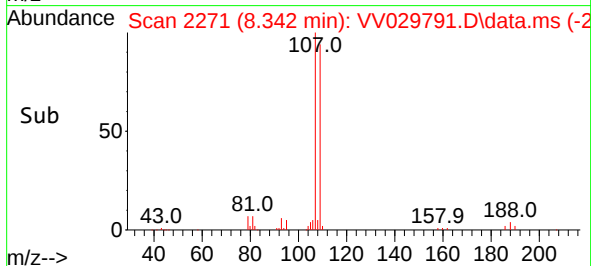
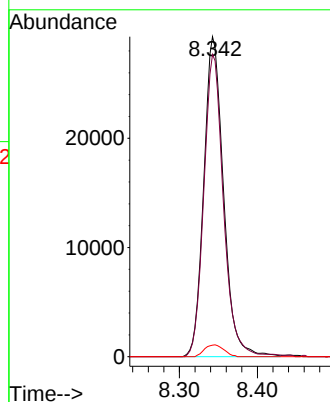
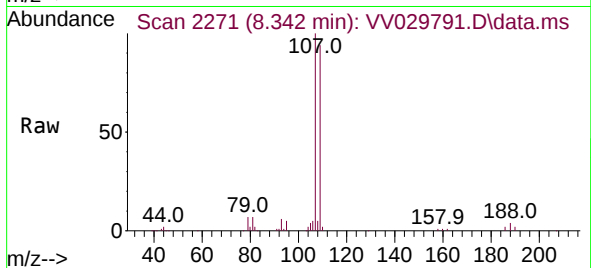
Acq: 12 Jan 2023 17:18

Instrument :

MSVOA\_V

ClientSampleId :

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:107 | Resp: | 51630       |
| Ion         | Ratio | Lower Upper |
| 107         | 100   |             |
| 109         | 94.4  | 66.1 122.7  |
| 188         | 3.6   | 2.9 4.3     |



#51

Chlorobenzene

Concen: 5.785 ug/L

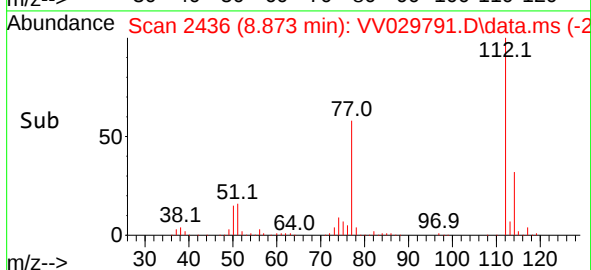
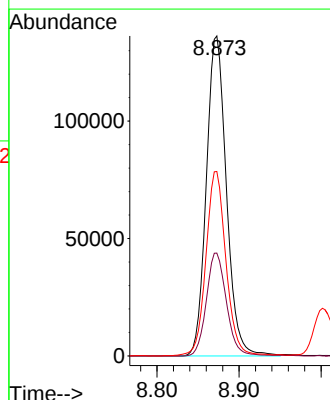
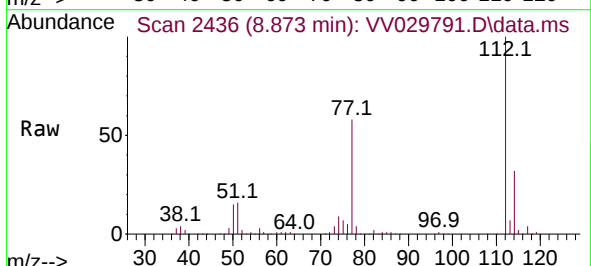
RT: 8.873 min Scan# 2436

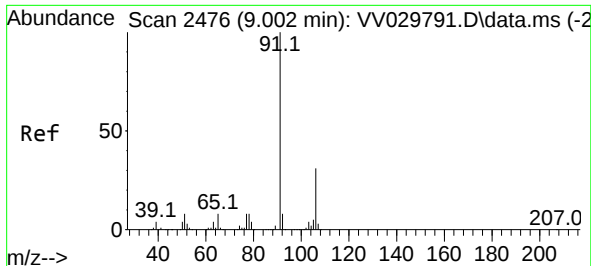
Delta R.T. 0.000 min

Lab File: VV029791.D

Acq: 12 Jan 2023 17:18

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:112 | Resp: | 231645      |
| Ion         | Ratio | Lower Upper |
| 112         | 100   |             |
| 114         | 32.2  | 22.5 41.9   |
| 77          | 57.6  | 46.1 69.1   |





#52

Ethylbenzene

Concen: 5.824 ug/L

RT: 9.002 min Scan# 2476

Delta R.T. 0.000 min

Lab File: VV029791.D

Acq: 12 Jan 2023 17:18

Instrument :

MSVOA\_V

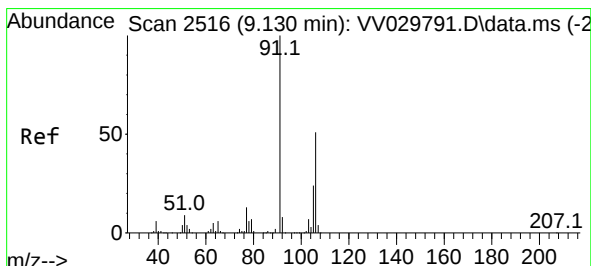
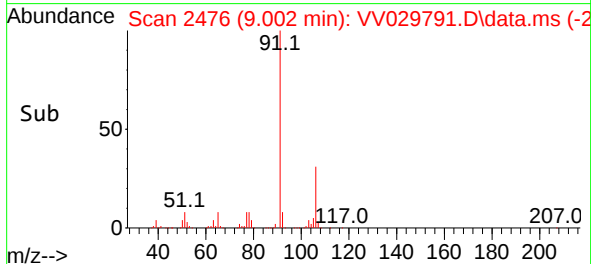
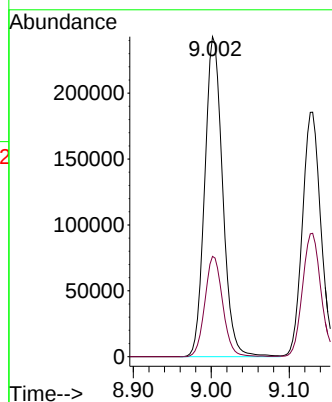
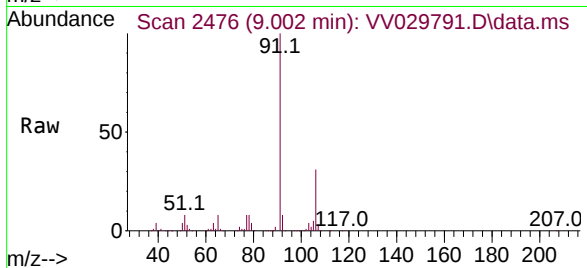
ClientSampleId :

Tgt Ion: 91 Resp: 387982

Ion Ratio Lower Upper

91 100

106 31.3 21.9 40.7



#53

m,p-Xylene

Concen: 5.902 ug/L

RT: 9.130 min Scan# 2516

Delta R.T. 0.000 min

Lab File: VV029791.D

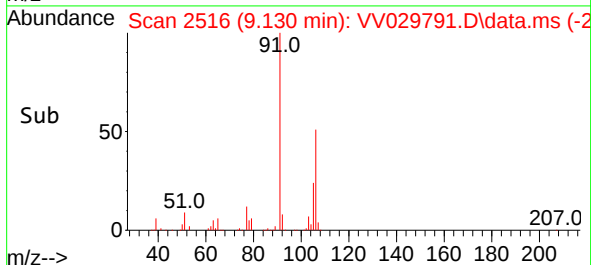
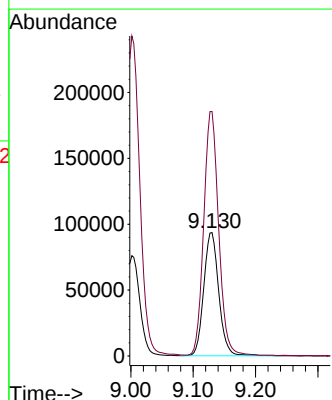
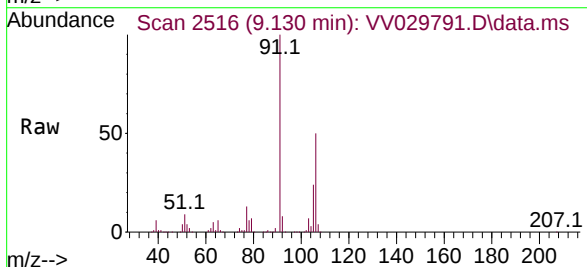
Acq: 12 Jan 2023 17:18

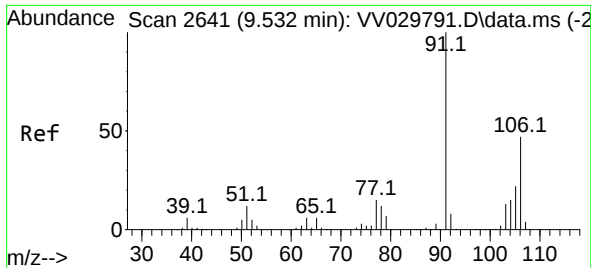
Tgt Ion: 106 Resp: 156009

Ion Ratio Lower Upper

106 100

91 198.2 138.7 257.7

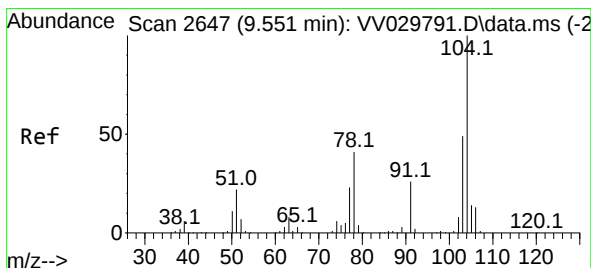
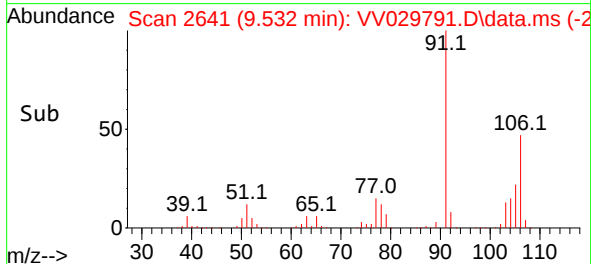
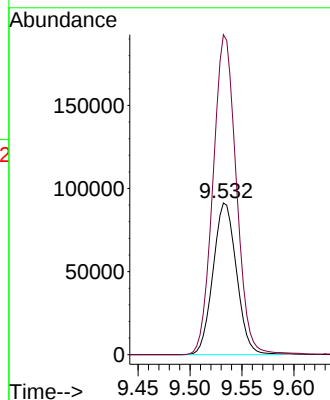
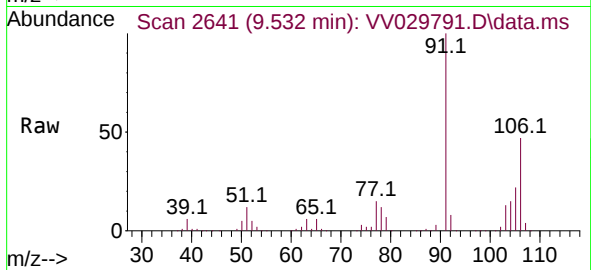




#54  
o-Xylene  
Concen: 5.604 ug/L  
RT: 9.532 min Scan# 2641  
Delta R.T. 0.000 min  
Lab File: VV029791.D  
Acq: 12 Jan 2023 17:18

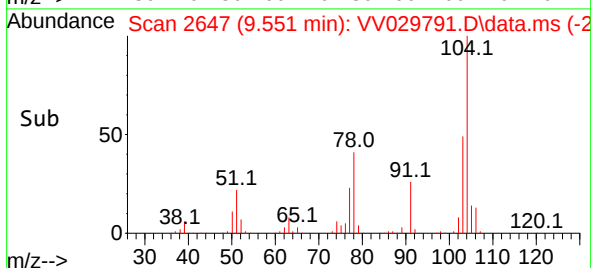
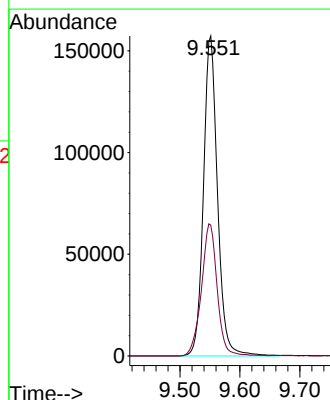
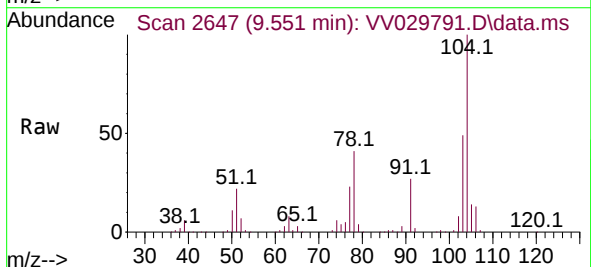
Instrument :  
MSVOA\_V  
ClientSampleId :

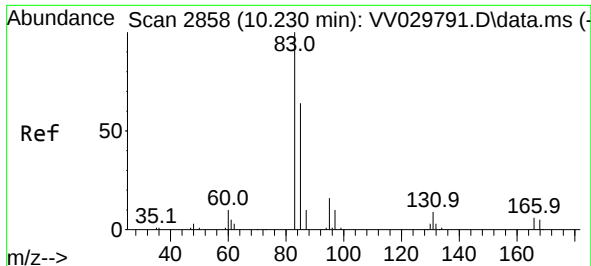
Tgt Ion:106 Resp: 143483  
Ion Ratio Lower Upper  
106 100  
91 211.0 147.7 274.3



#55  
Styrene  
Concen: 5.887 ug/L  
RT: 9.551 min Scan# 2647  
Delta R.T. 0.000 min  
Lab File: VV029791.D  
Acq: 12 Jan 2023 17:18

Tgt Ion:104 Resp: 257017  
Ion Ratio Lower Upper  
104 100  
78 40.9 28.6 53.2

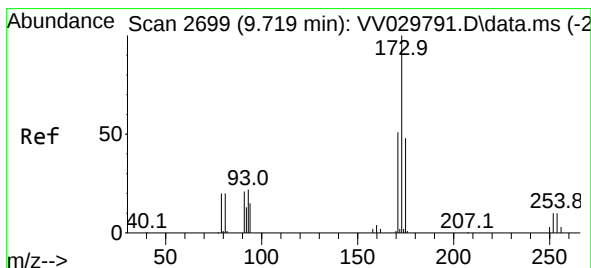
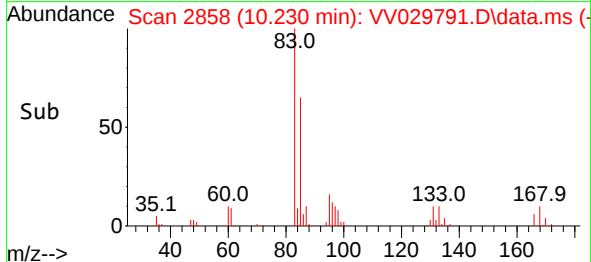
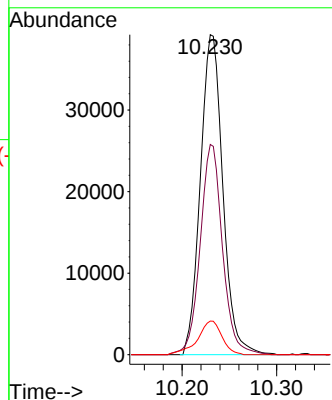
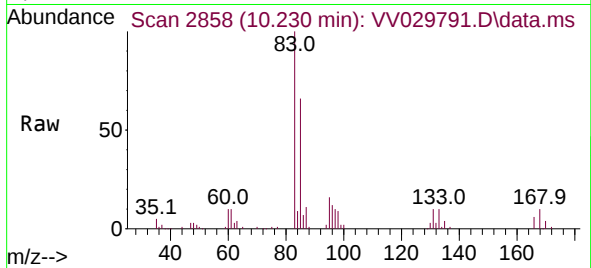




#57  
1,1,2,2-Tetrachloroethane  
Concen: 6.395 ug/L  
RT: 10.230 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VV029791.D  
Acq: 12 Jan 2023 17:18

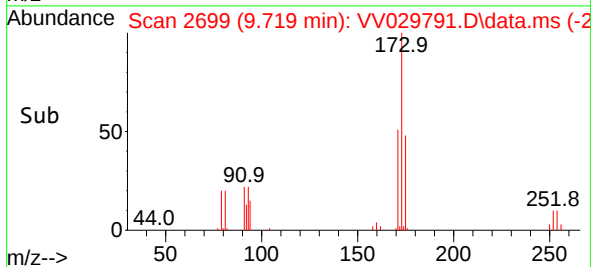
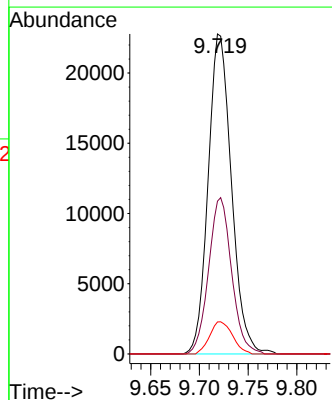
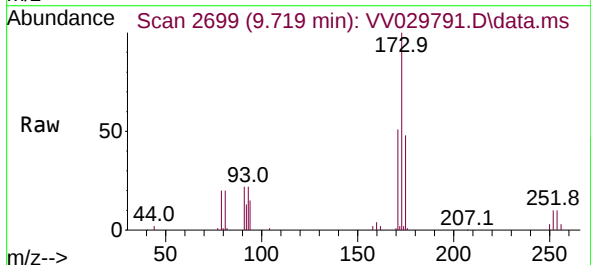
Instrument :  
MSVOA\_V  
ClientSampleId :

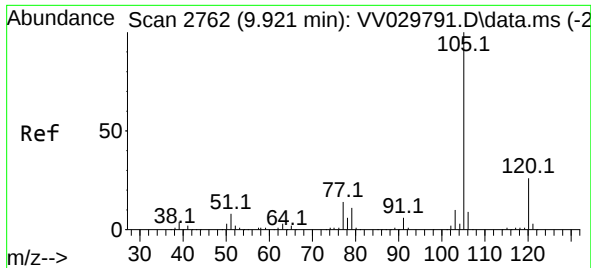
Tgt Ion: 83 Resp: 64825  
Ion Ratio Lower Upper  
83 100  
85 65.7 46.0 85.4  
131 10.5 8.4 12.6



#59  
Bromoform  
Concen: 6.227 ug/L  
RT: 9.719 min Scan# 2699  
Delta R.T. 0.000 min  
Lab File: VV029791.D  
Acq: 12 Jan 2023 17:18

Tgt Ion: 173 Resp: 37911  
Ion Ratio Lower Upper  
173 100  
175 48.2 38.6 57.8  
254 9.9 7.9 11.9

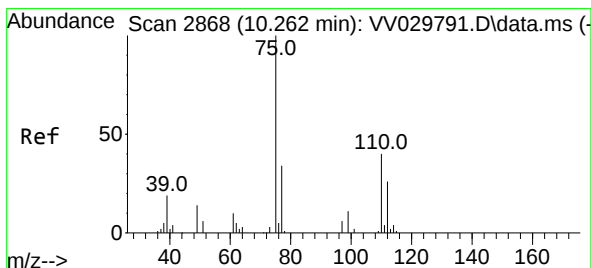
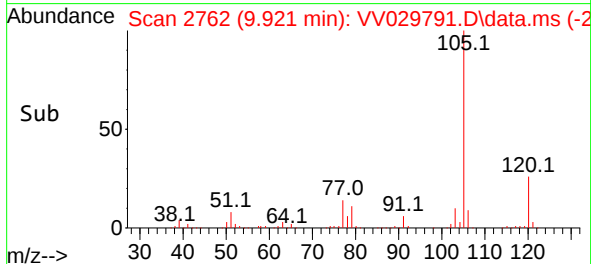
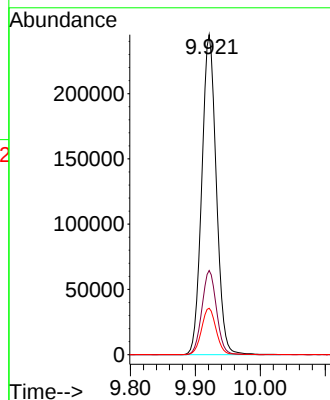
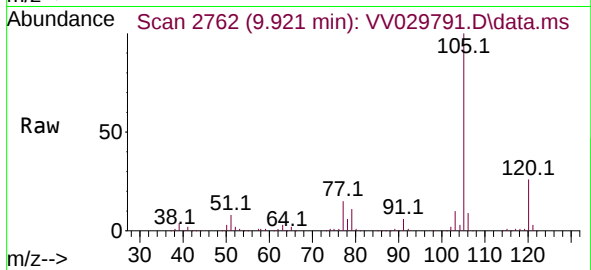




#60  
Isopropylbenzene  
Concen: 5.352 ug/L  
RT: 9.921 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VV029791.D  
Acq: 12 Jan 2023 17:18

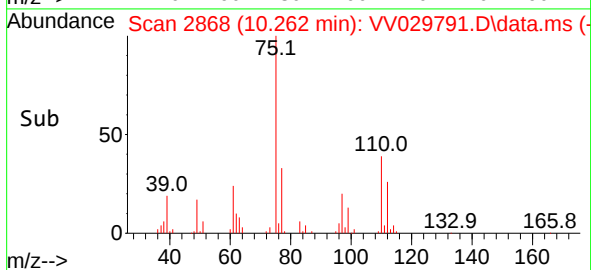
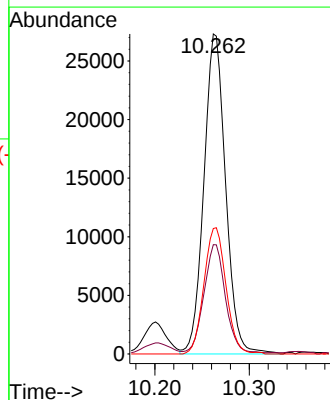
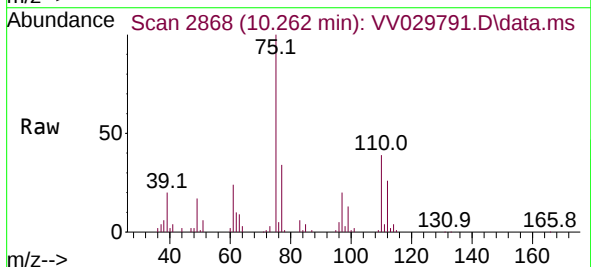
Instrument :  
MSVOA\_V  
ClientSampleId :

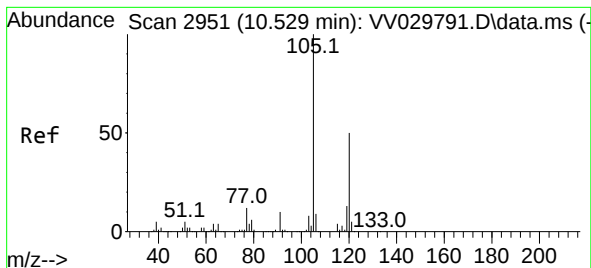
Tgt Ion:105 Resp: 381439  
Ion Ratio Lower Upper  
105 100  
120 26.5 21.2 31.8  
77 14.8 11.8 17.8



#61  
1,2,3-Trichloropropane  
Concen: 5.633 ug/L  
RT: 10.262 min Scan# 2868  
Delta R.T. 0.000 min  
Lab File: VV029791.D  
Acq: 12 Jan 2023 17:18

Tgt Ion: 75 Resp: 43650  
Ion Ratio Lower Upper  
75 100  
77 33.1 26.5 39.7  
110 39.8 31.8 47.8





#62

1,3,5-Trimethylbenzene

Concen: 5.207 ug/L

RT: 10.529 min Scan# 2951

Delta R.T. 0.000 min

Lab File: VV029791.D

Acq: 12 Jan 2023 17:18

Instrument :

MSVOA\_V

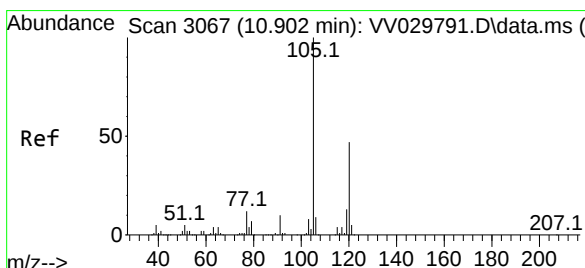
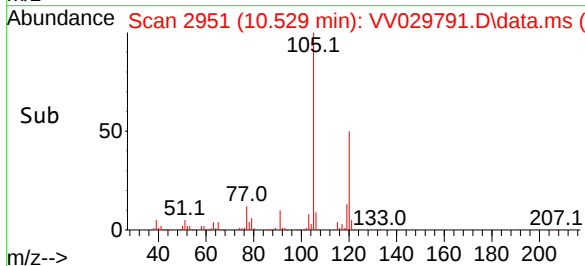
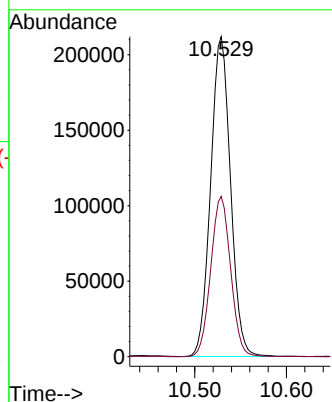
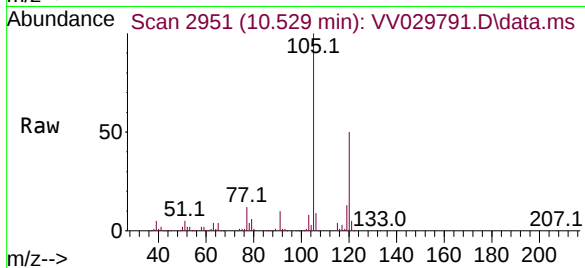
ClientSampleId :

Tgt Ion:105 Resp: 318682

Ion Ratio Lower Upper

105 100

120 50.1 40.1 60.1



#63

1,2,4-Trimethylbenzene

Concen: 5.212 ug/L

RT: 10.902 min Scan# 3067

Delta R.T. 0.000 min

Lab File: VV029791.D

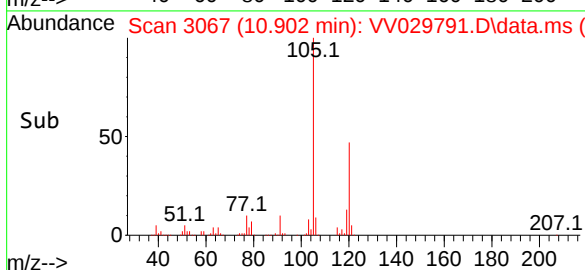
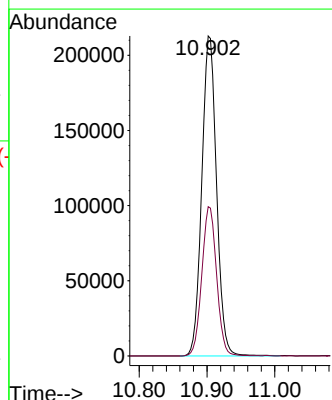
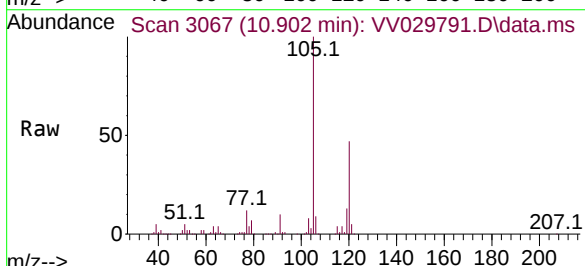
Acq: 12 Jan 2023 17:18

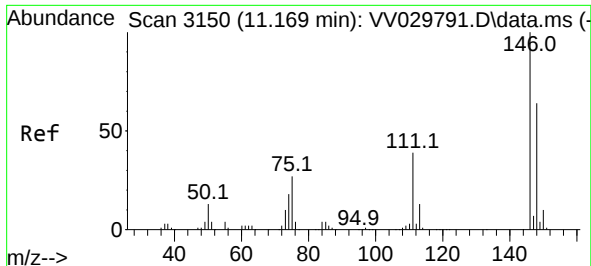
Tgt Ion:105 Resp: 321637

Ion Ratio Lower Upper

105 100

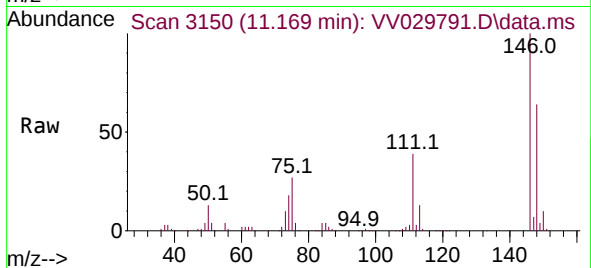
120 46.7 37.4 56.0



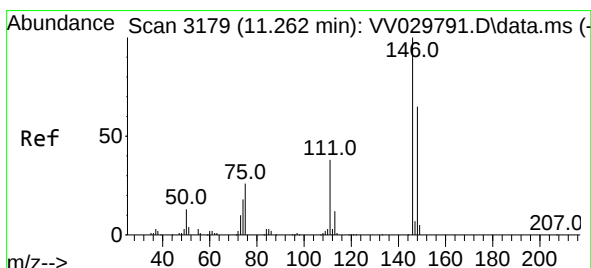
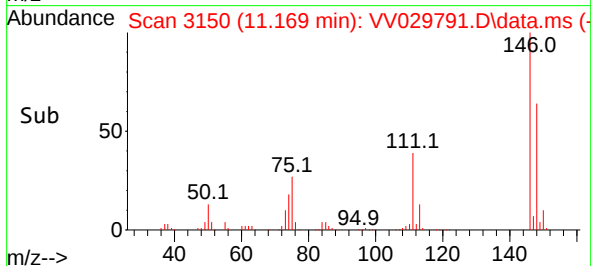
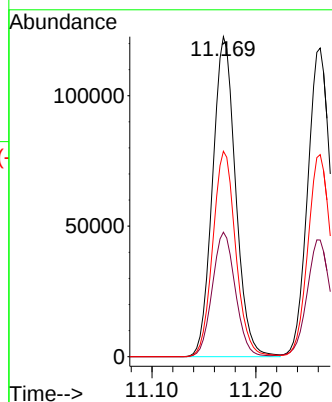


#64  
1,3-Dichlorobenzene  
Concen: 5.603 ug/L  
RT: 11.169 min Scan# 3150  
Delta R.T. 0.000 min  
Lab File: VV029791.D  
Acq: 12 Jan 2023 17:18

Instrument :  
MSVOA\_V  
ClientSampleId :

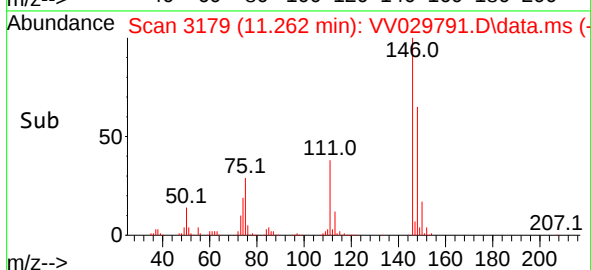
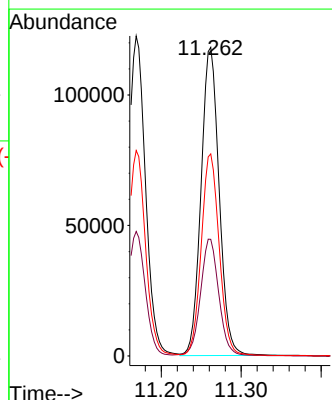
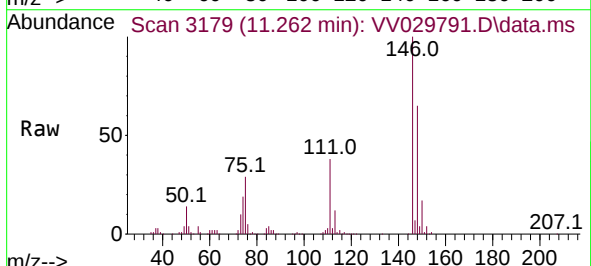


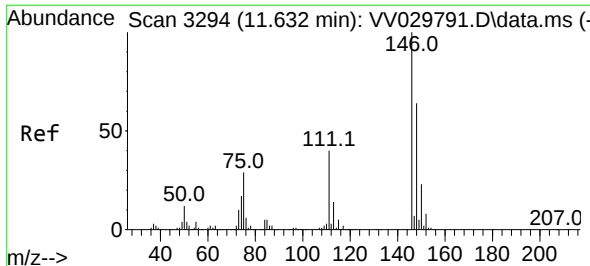
Tgt Ion:146 Resp: 188862  
Ion Ratio Lower Upper  
146 100  
111 38.9 27.2 50.6  
148 64.2 44.9 83.5



#65  
1,4-Dichlorobenzene  
Concen: 5.580 ug/L  
RT: 11.262 min Scan# 3179  
Delta R.T. 0.000 min  
Lab File: VV029791.D  
Acq: 12 Jan 2023 17:18

Tgt Ion:146 Resp: 186312  
Ion Ratio Lower Upper  
146 100  
111 37.8 26.5 49.1  
148 65.5 45.8 85.2

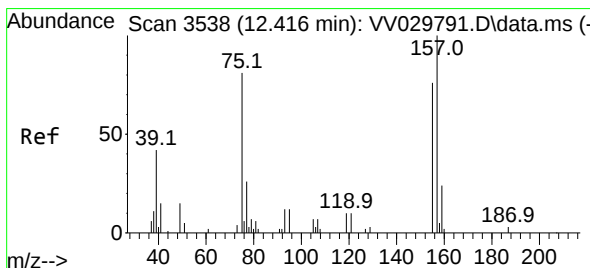
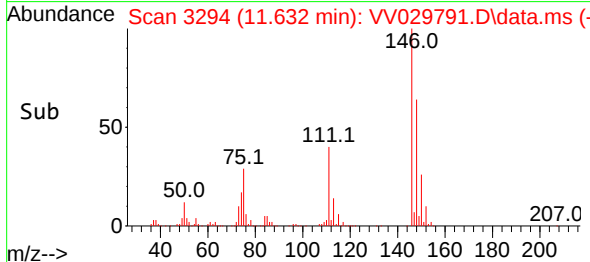
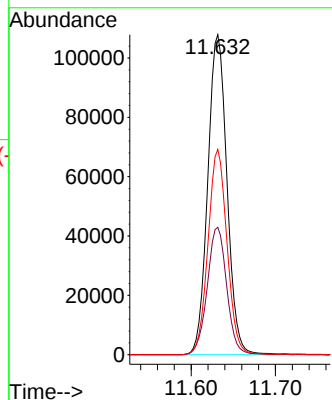
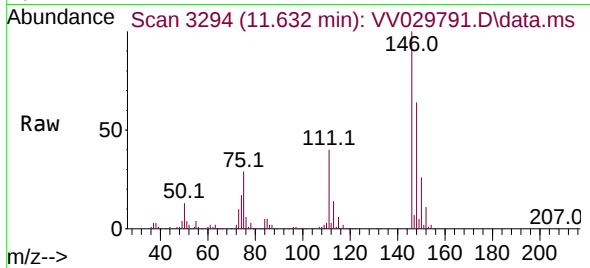




#67  
1,2-Dichlorobenzene  
Concen: 5.521 ug/L  
RT: 11.632 min Scan# 3294  
Delta R.T. 0.000 min  
Lab File: VV029791.D  
Acq: 12 Jan 2023 17:18

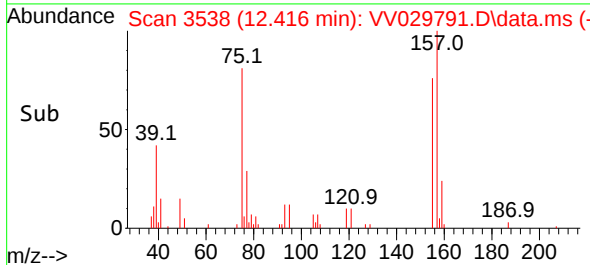
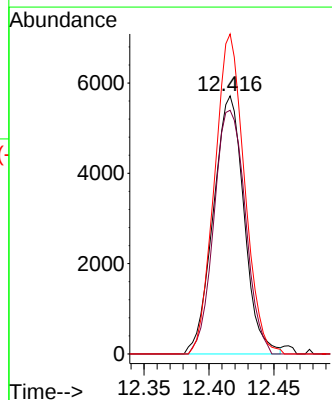
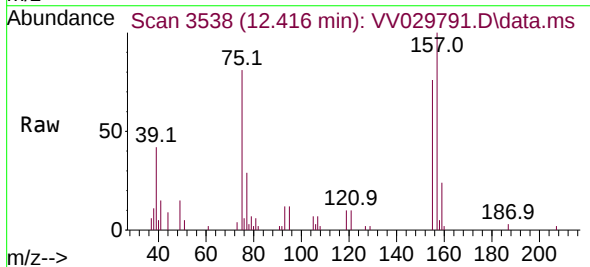
Instrument :  
MSVOA\_V  
ClientSampleId :

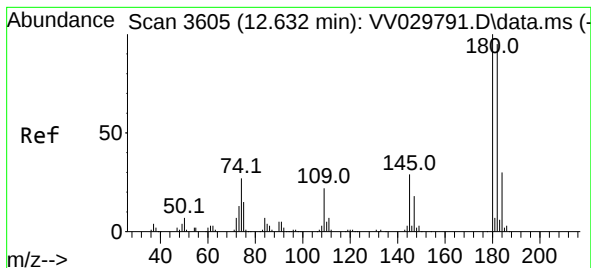
Tgt Ion:146 Resp: 171079  
Ion Ratio Lower Upper  
146 100  
111 39.8 31.8 47.8  
148 64.2 51.4 77.0



#68  
1,2-Dibromo-3-chloropropane  
Concen: 6.007 ug/L  
RT: 12.416 min Scan# 3538  
Delta R.T. 0.000 min  
Lab File: VV029791.D  
Acq: 12 Jan 2023 17:18

Tgt Ion: 75 Resp: 9416  
Ion Ratio Lower Upper  
75 100  
155 94.4 75.5 113.3  
157 124.0 99.2 148.8





#69

1,3,5-Trichlorobenzene

Concen: 5.446 ug/L

RT: 12.632 min Scan# 3605

Delta R.T. 0.000 min

Lab File: VV029791.D

Acq: 12 Jan 2023 17:18

Instrument :

MSVOA\_V

ClientSampleId :

Tgt Ion:180 Resp: 150667

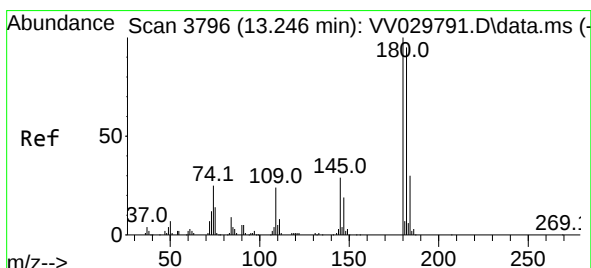
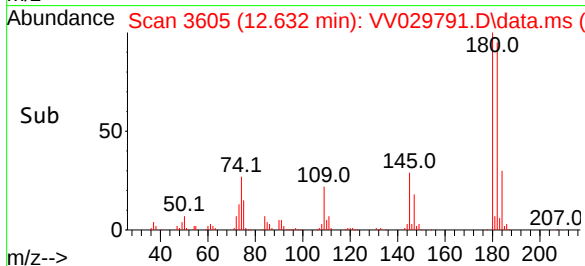
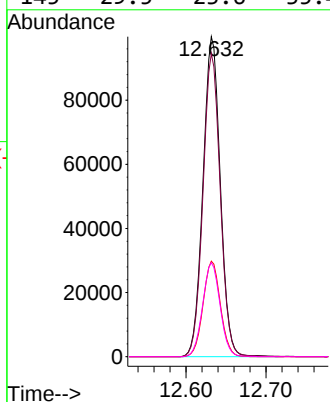
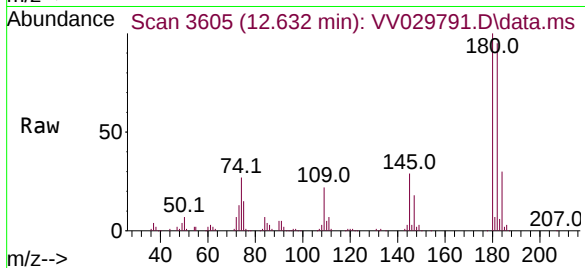
Ion Ratio Lower Upper

180 100

182 94.3 75.4 113.2

184 29.9 23.9 35.9

145 29.5 23.6 35.4



#70

1,2,4-trichlorobenzene

Concen: 5.297 ug/L

RT: 13.246 min Scan# 3796

Delta R.T. 0.000 min

Lab File: VV029791.D

Acq: 12 Jan 2023 17:18

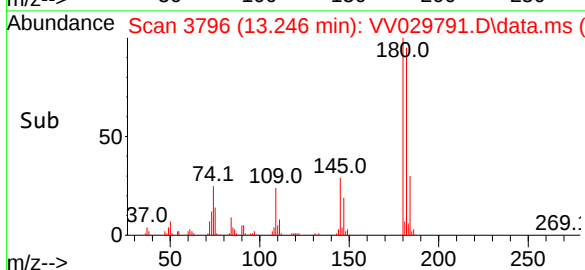
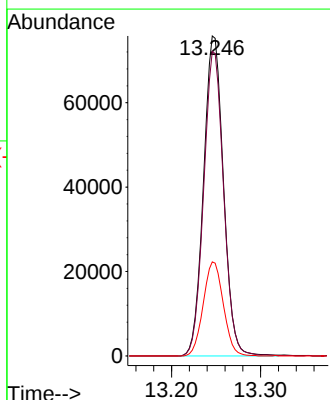
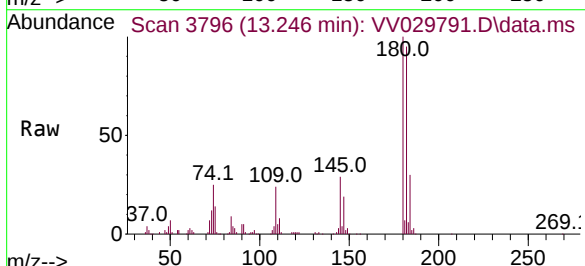
Tgt Ion:180 Resp: 117811

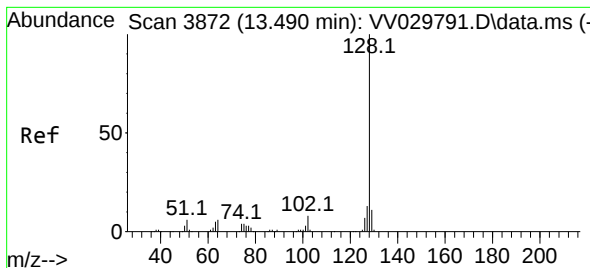
Ion Ratio Lower Upper

180 100

182 94.8 75.8 113.8

145 29.6 23.7 35.5





#71

Naphthalene

Concen: 6.902 ug/L

RT: 13.490 min Scan# 3872

Delta R.T. 0.000 min

Lab File: VV029791.D

Acq: 12 Jan 2023 17:18

Instrument :

MSVOA\_V

ClientSampleId :

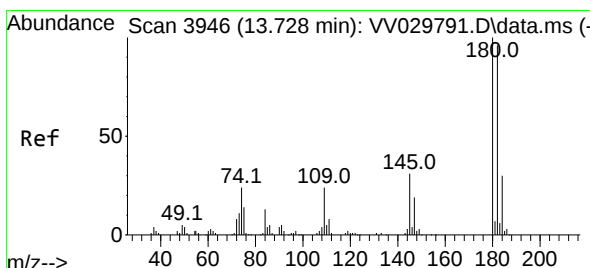
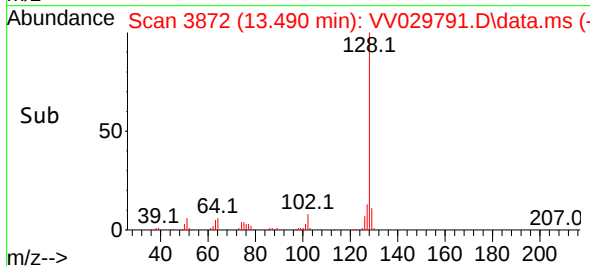
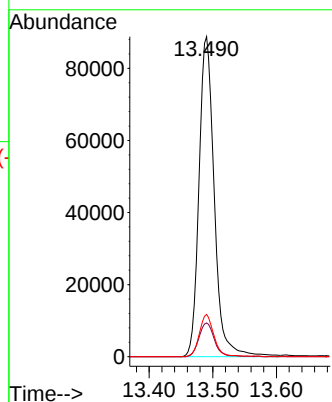
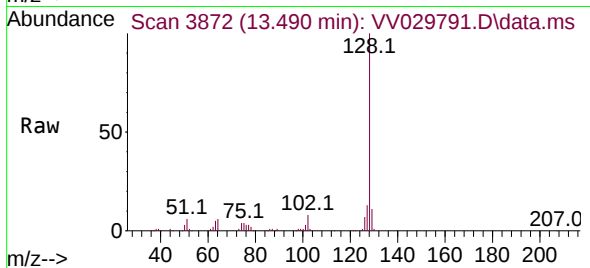
Tgt Ion:128 Resp: 148223

Ion Ratio Lower Upper

128 100

129 10.7 8.6 12.8

127 12.5 10.0 15.0



#72

1,2,3-Trichlorobenzene

Concen: 5.421 ug/L

RT: 13.728 min Scan# 3946

Delta R.T. 0.000 min

Lab File: VV029791.D

Acq: 12 Jan 2023 17:18

Tgt Ion:180 Resp: 98496

Ion Ratio Lower Upper

180 100

182 94.4 75.5 113.3

145 31.3 25.0 37.6

