

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW030323\  
 Data File : VW030138.D  
 Acq On : 03 Mar 2023 14:22  
 Operator : SY/MD  
 Sample : 01769-06MS  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 DBYL5MS

Quant Time: Mar 03 22:28:28 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR022323WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Fri Mar 03 22:25:34 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.545  | 114   | 141220   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.792  | 117   | 138875   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.194 | 152   | 83018    | 5.000    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.281  | 65    | 41674    | 4.561    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 91.200%  |
| 7) Chloroethane-d5            | 1.539  | 69    | 44226    | 5.156    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 103.200% |
| 11) 1,1-Dichloroethene-d2     | 2.069  | 63    | 93348    | 4.969    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 99.400%  |
| 20) 2-Butanone-d5             | 3.818  | 46    | 96794    | 57.454   | ug/L   | -0.02    |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 114.900% |
| 24) Chloroform-d              | 4.262  | 84    | 103611   | 5.551    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 111.000% |
| 26) 1,2-Dichloroethane-d4     | 4.953  | 65    | 42734    | 5.608    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 112.200% |
| 32) Benzene-d6                | 4.973  | 84    | 186289   | 4.985    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 99.800%  |
| 36) 1,2-Dichloropropane-d6    | 5.998  | 67    | 58810    | 5.231    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 104.600% |
| 41) Toluene-d8                | 7.252  | 98    | 175558   | 4.956    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 99.200%  |
| 43) trans-1,3-Dichloroprop... | 7.561  | 79    | 18366    | 4.775    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 95.600%  |
| 46) 2-Hexanone-d5             | 8.034  | 63    | 87784    | 55.168   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 110.340% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.162 | 84    | 47250    | 5.908    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 118.200% |
| 66) 1,2-Dichlorobenzene-d4    | 11.570 | 152   | 68337    | 4.865    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 97.400%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.108  | 85    | 61383    | 5.342    | ug/L   | 99       |
| 3) Chloromethane              | 1.217  | 50    | 89957    | 4.968    | ug/L   | 98       |
| 5) Vinyl chloride             | 1.288  | 62    | 64056    | 5.323    | ug/L   | 98       |
| 6) Bromomethane               | 1.494  | 94    | 12238    | 5.666    | ug/L   | 100      |
| 8) Chloroethane               | 1.555  | 64    | 40322    | 5.500    | ug/L   | 99       |
| 9) Trichlorofluoromethane     | 1.719  | 101   | 96609    | 5.596    | ug/L   | 98       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.076  | 101   | 56481    | 5.275    | ug/L   | 98       |
| 12) 1,1-Dichloroethene        | 2.076  | 96    | 51218    | 5.404    | ug/L   | 98       |
| 13) Acetone                   | 2.150  | 43    | 60091    | 48.259   | ug/L # | 48       |
| 14) Carbon disulfide          | 2.249  | 76    | 129250   | 5.097    | ug/L   | 99       |
| 15) Methyl Acetate            | 2.394  | 43    | 13343    | 4.588    | ug/L   | 100      |
| 16) Methylene chloride        | 2.455  | 84    | 50978    | 4.403    | ug/L   | 98       |
| 17) Methyl tert-butyl Ether   | 2.712  | 73    | 93635    | 5.052    | ug/L   | 99       |
| 18) trans-1,2-Dichloroethene  | 2.703  | 96    | 47978    | 5.322    | ug/L   | 98       |
| 19) 1,1-Dichloroethane        | 3.124  | 63    | 92327    | 5.497    | ug/L   | 99       |
| 21) 2-Butanone                | 3.902  | 43    | 82789    | 49.437   | ug/L   | 99       |
| 22) cis-1,2-Dichloroethene    | 3.828  | 96    | 52134    | 5.232    | ug/L   | 94       |
| 23) Bromochloromethane        | 4.159  | 128   | 24758    | 5.814    | ug/L   | 98       |
| 25) Chloroform                | 4.291  | 83    | 98989    | 5.666    | ug/L   | 99       |

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 Operator : SY/MD  
 Sample : 01769-06MS  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 13 Sample Multiplier: 1

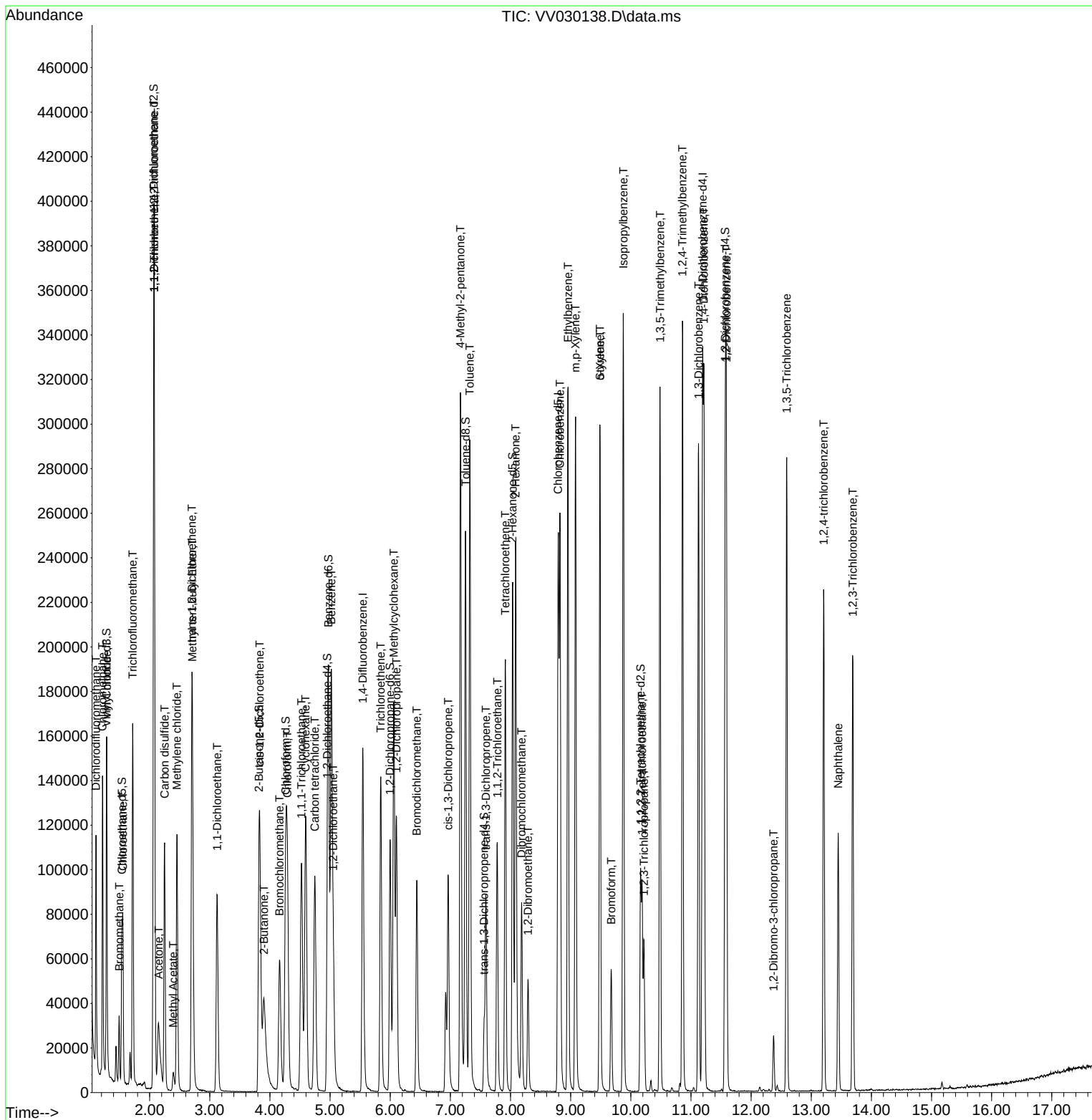
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 DBYL5MS

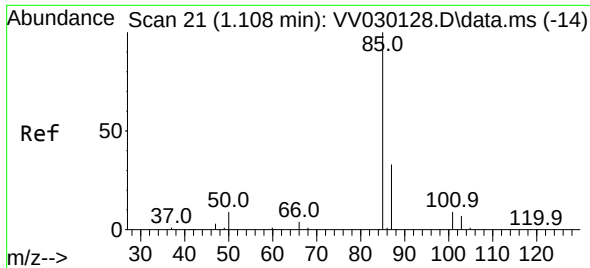
Quant Time: Mar 03 22:28:28 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR022323WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Fri Mar 03 22:25:34 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 27) 1,2-Dichloroethane        | 5.053  | 62   | 51255    | 5.609  | ug/L   | 98       |
| 29) 1,1,1-Trichloroethane     | 4.526  | 97   | 89329    | 5.476  | ug/L   | 100      |
| 30) Cyclohexane               | 4.593  | 56   | 64227    | 4.556  | ug/L   | 98       |
| 31) Carbon tetrachloride      | 4.748  | 117  | 78020    | 5.321  | ug/L   | 100      |
| 33) Benzene                   | 5.021  | 78   | 200197   | 5.278  | ug/L   | 100      |
| 34) Trichloroethene           | 5.844  | 95   | 51802    | 4.874  | ug/L   | 98       |
| 35) Methylcyclohexane         | 6.059  | 83   | 70786    | 4.401  | ug/L   | 97       |
| 37) 1,2-Dichloropropane       | 6.104  | 63   | 51879    | 5.377  | ug/L   | 100      |
| 38) Bromodichloromethane      | 6.442  | 83   | 68169    | 5.534  | ug/L   | 98       |
| 39) cis-1,3-Dichloropropene   | 6.963  | 75   | 65454    | 4.634  | ug/L   | 99       |
| 40) 4-Methyl-2-pentanone      | 7.169  | 43   | 208805   | 52.442 | ug/L   | 98       |
| 42) Toluene                   | 7.323  | 91   | 220590   | 5.370  | ug/L   | 99       |
| 44) trans-1,3-Dichloropropene | 7.590  | 75   | 54442    | 4.937  | ug/L   | 99       |
| 45) 1,1,2-Trichloroethane     | 7.780  | 97   | 37176    | 5.385  | ug/L   | 96       |
| 47) Tetrachloroethene         | 7.915  | 164  | 45948    | 5.037  | ug/L   | 97       |
| 48) 2-Hexanone                | 8.085  | 43   | 151070   | 52.999 | ug/L   | 99       |
| 49) Dibromochloromethane      | 8.185  | 129  | 44795    | 5.545  | ug/L   | 99       |
| 50) 1,2-Dibromoethane         | 8.291  | 107  | 34663    | 5.381  | ug/L   | 93       |
| 51) Chlorobenzene             | 8.821  | 112  | 142154   | 5.131  | ug/L   | 100      |
| 52) Ethylbenzene              | 8.956  | 91   | 220536   | 4.933  | ug/L   | 100      |
| 53) m,p-Xylene                | 9.082  | 106  | 86546    | 5.037  | ug/L   | 96       |
| 54) o-Xylene                  | 9.487  | 106  | 80443    | 4.901  | ug/L   | 97       |
| 55) Styrene                   | 9.487  | 104  | 5714     | 0.209  | ug/L # | 1        |
| 57) 1,1,2,2-Tetrachloroethane | 10.188 | 83   | 44546    | 5.768  | ug/L   | 98       |
| 59) Bromoform                 | 9.673  | 173  | 25828    | 5.191  | ug/L   | 99       |
| 60) Isopropylbenzene          | 9.876  | 105  | 221266   | 4.632  | ug/L   | 99       |
| 61) 1,2,3-Trichloropropane    | 10.220 | 75   | 28303    | 5.094  | ug/L   | 97       |
| 62) 1,3,5-Trimethylbenzene    | 10.487 | 105  | 172503   | 4.396  | ug/L   | 98       |
| 63) 1,2,4-Trimethylbenzene    | 10.860 | 105  | 183748   | 4.578  | ug/L   | 100      |
| 64) 1,3-Dichlorobenzene       | 11.127 | 146  | 123192   | 4.953  | ug/L   | 100      |
| 65) 1,4-Dichlorobenzene       | 11.217 | 146  | 125614   | 5.006  | ug/L   | 98       |
| 67) 1,2-Dichlorobenzene       | 11.590 | 146  | 111573   | 5.080  | ug/L   | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 12.374 | 75   | 6409     | 5.165  | ug/L   | 96       |
| 69) 1,3,5-Trichlorobenzene    | 12.593 | 180  | 91544    | 4.477  | ug/L   | 100      |
| 70) 1,2,4-trichlorobenzene    | 13.207 | 180  | 71023    | 4.288  | ug/L   | 99       |
| 71) Naphthalene               | 13.448 | 128  | 92812    | 4.288  | ug/L   | 99       |
| 72) 1,2,3-Trichlorobenzene    | 13.693 | 180  | 62427    | 4.578  | ug/L   | 100      |

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

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QLast Update : Fri Mar 03 22:25:34 2023  
Response via : Initial Calibration

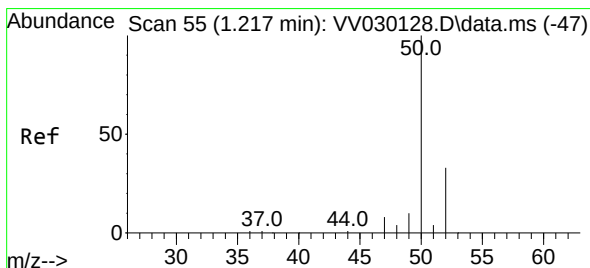
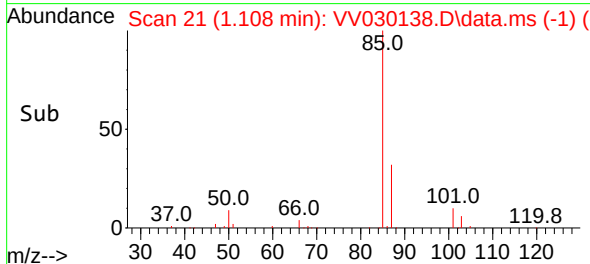
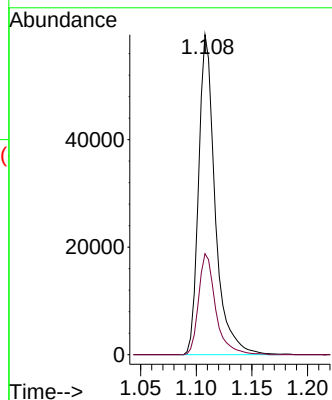
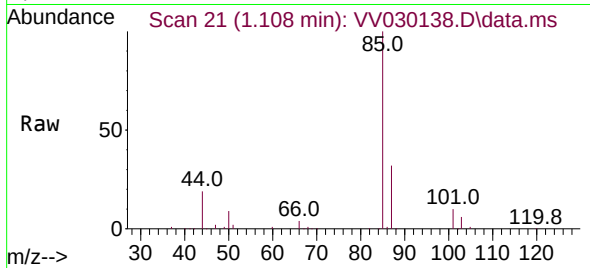




#2  
 Dichlorodifluoromethane  
 Concen: 5.342 ug/L  
 RT: 1.108 min Scan# 21  
 Delta R.T. -0.000 min  
 Lab File: VV030138.D  
 Acq: 03 Mar 2023 14:22

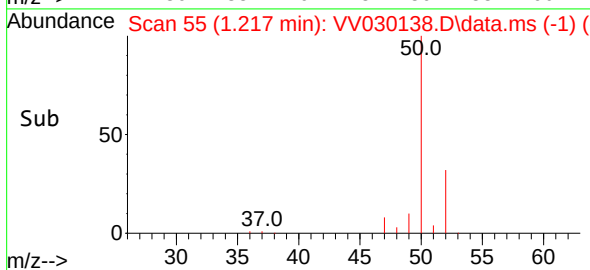
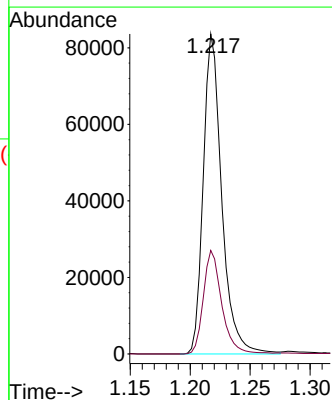
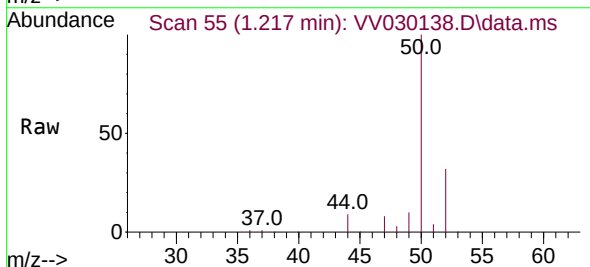
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
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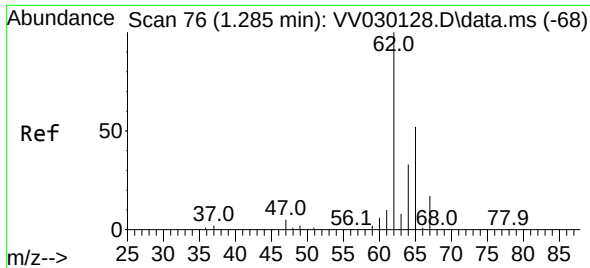
Tgt Ion: 85 Resp: 61383  
 Ion Ratio Lower Upper  
 85 100  
 87 32.6 26.6 39.8



#3  
 Chloromethane  
 Concen: 4.968 ug/L  
 RT: 1.217 min Scan# 55  
 Delta R.T. -0.000 min  
 Lab File: VV030138.D  
 Acq: 03 Mar 2023 14:22

Tgt Ion: 50 Resp: 89957  
 Ion Ratio Lower Upper  
 50 100  
 52 32.3 23.6 43.8

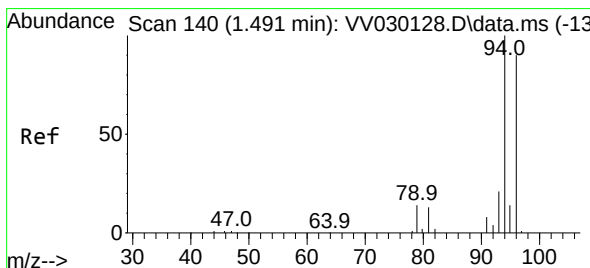
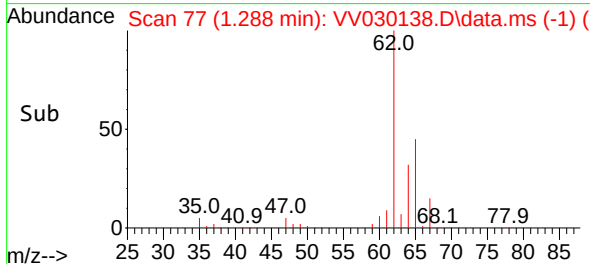
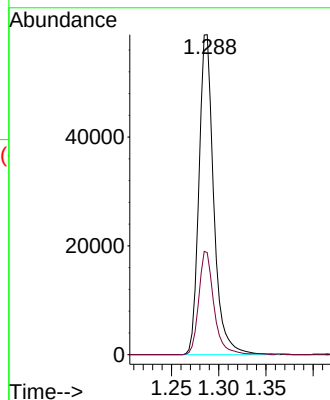
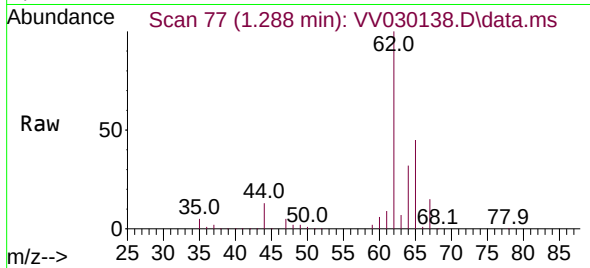




#5  
 Vinyl chloride  
 Concen: 5.323 ug/L  
 RT: 1.288 min Scan# 71  
 Delta R.T. 0.003 min  
 Lab File: VV030138.D  
 Acq: 03 Mar 2023 14:22

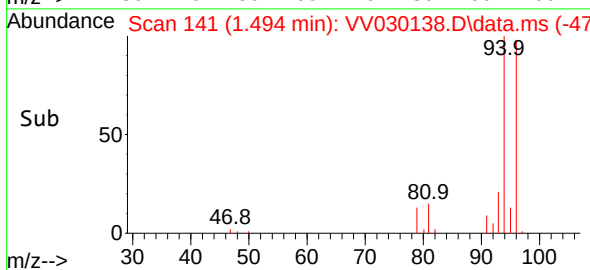
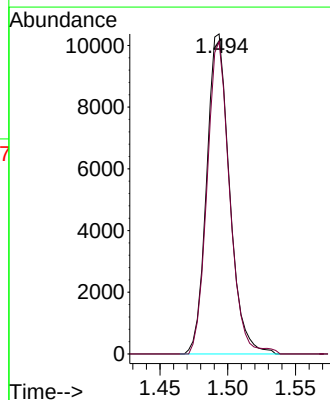
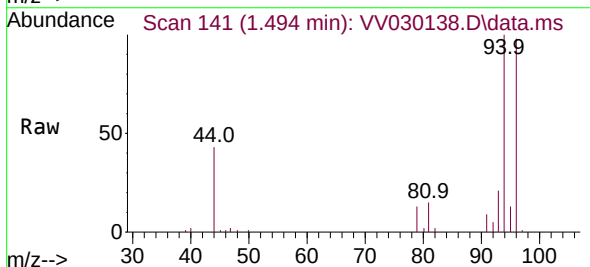
Instrument :  
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 ClientSampleId :  
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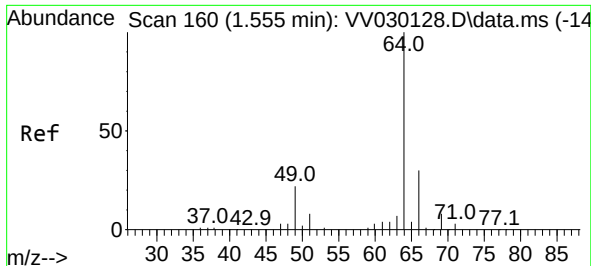
Tgt Ion: 62 Resp: 64056  
 Ion Ratio Lower Upper  
 62 100  
 64 31.9 23.1 42.9



#6  
 Bromomethane  
 Concen: 5.666 ug/L  
 RT: 1.494 min Scan# 141  
 Delta R.T. 0.003 min  
 Lab File: VV030138.D  
 Acq: 03 Mar 2023 14:22

Tgt Ion: 94 Resp: 12238  
 Ion Ratio Lower Upper  
 94 100  
 96 97.6 68.4 127.0

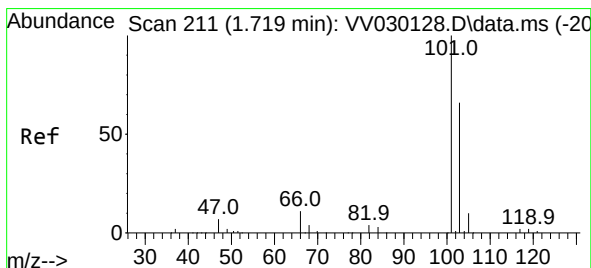
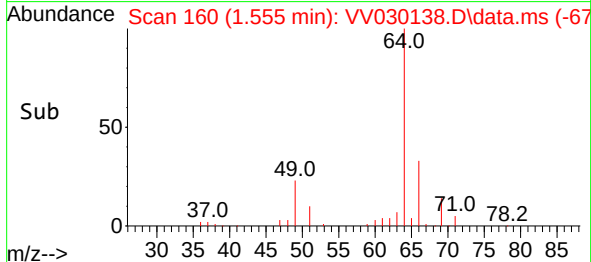
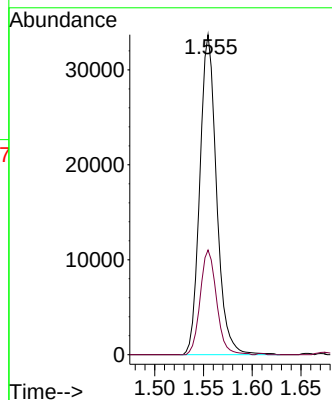
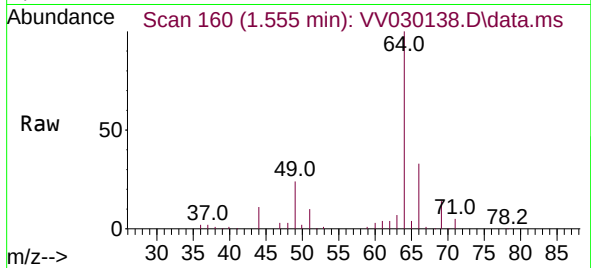




#8  
Chloroethane  
Concen: 5.500 ug/L  
RT: 1.555 min Scan# 160  
Delta R.T. -0.000 min  
Lab File: VV030138.D  
Acq: 03 Mar 2023 14:22

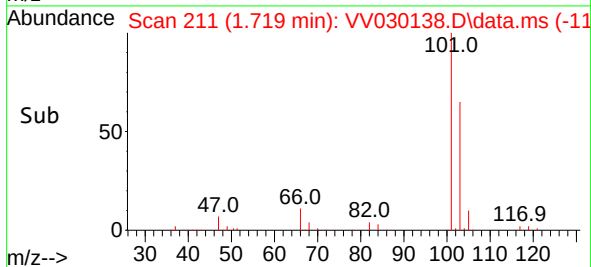
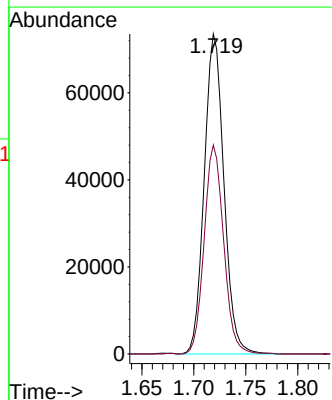
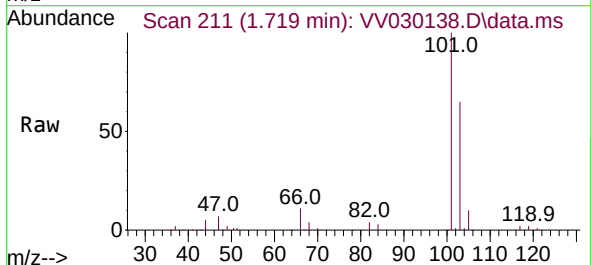
Instrument :  
MSVOA\_V  
ClientSampleId :  
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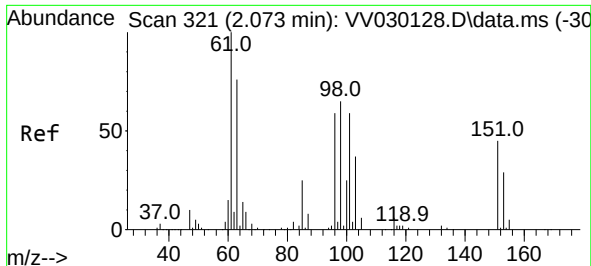
Tgt Ion: 64 Resp: 40322  
Ion Ratio Lower Upper  
64 100  
66 32.7 22.4 41.6



#9  
Trichlorofluoromethane  
Concen: 5.596 ug/L  
RT: 1.719 min Scan# 211  
Delta R.T. -0.000 min  
Lab File: VV030138.D  
Acq: 03 Mar 2023 14:22

Tgt Ion:101 Resp: 96609  
Ion Ratio Lower Upper  
101 100  
103 64.7 52.7 79.1

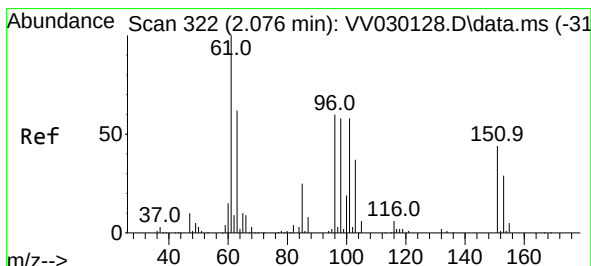
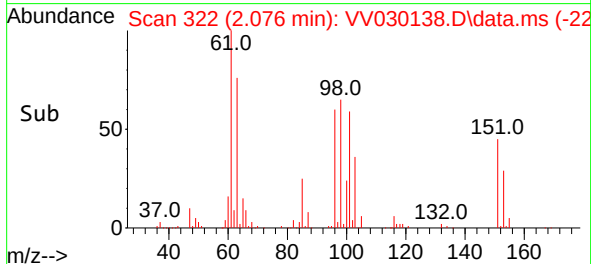
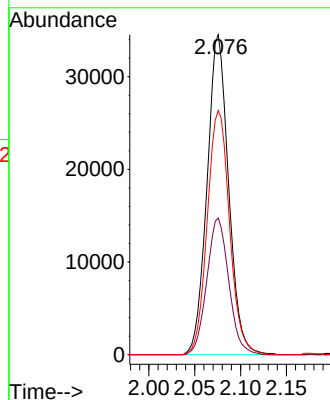
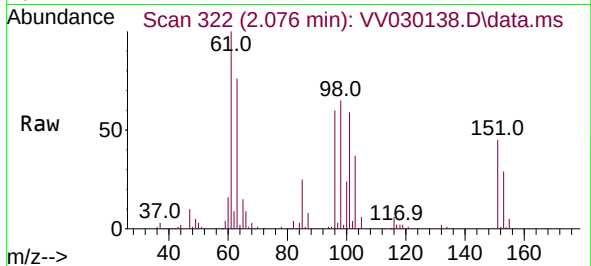




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 5.275 ug/L  
 RT: 2.076 min Scan# 31  
 Delta R.T. 0.003 min  
 Lab File: VV030138.D  
 Acq: 03 Mar 2023 14:22

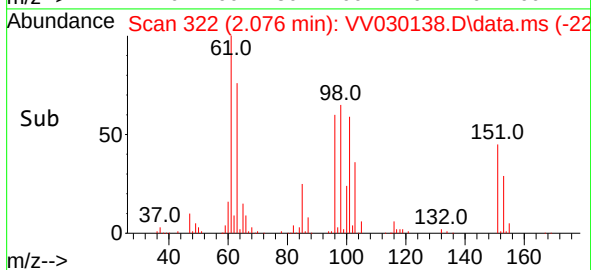
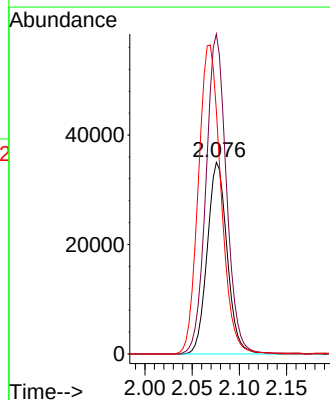
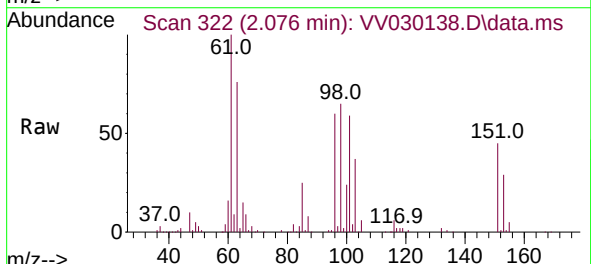
Instrument :  
 MSVOA\_V  
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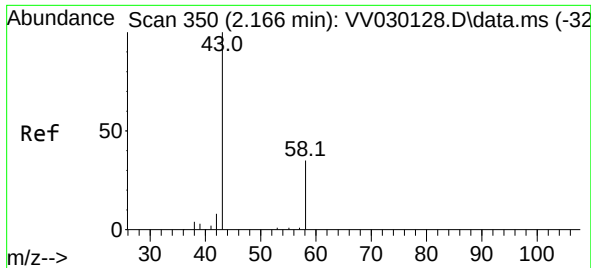
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 151 79.0 61.6 92.4



#12  
 1,1-Dichloroethene  
 Concen: 5.404 ug/L  
 RT: 2.076 min Scan# 322  
 Delta R.T. -0.000 min  
 Lab File: VV030138.D  
 Acq: 03 Mar 2023 14:22

Tgt Ion: 96 Resp: 51218  
 Ion Ratio Lower Upper  
 96 100  
 61 166.9 115.6 214.6  
 63 126.8 85.6 159.0





#13

Acetone

Concen: 48.259 ug/L

RT: 2.150 min Scan# 34

Delta R.T. -0.016 min

Lab File: VV030138.D

Acq: 03 Mar 2023 14:22

Instrument :

MSVOA\_V

ClientSampleId :

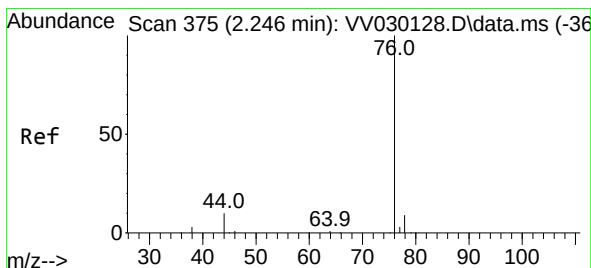
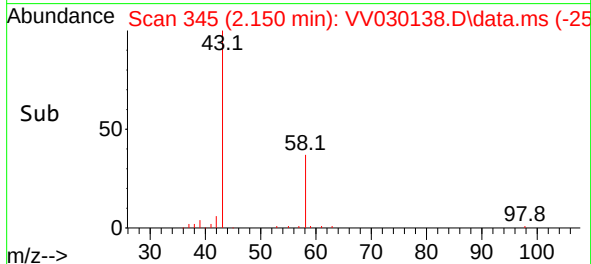
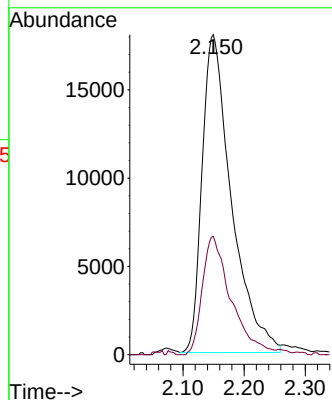
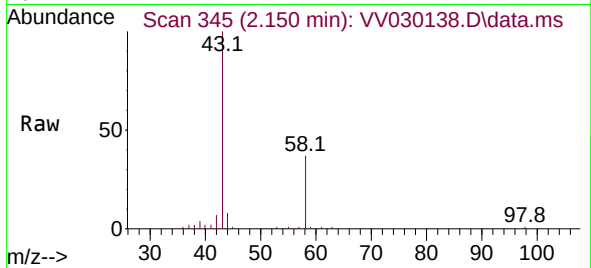
DBYL5MS

Tgt Ion: 43 Resp: 60091

Ion Ratio Lower Upper

43 100

58 36.2 0.0 29.4#



#14

Carbon disulfide

Concen: 5.097 ug/L

RT: 2.249 min Scan# 376

Delta R.T. 0.003 min

Lab File: VV030138.D

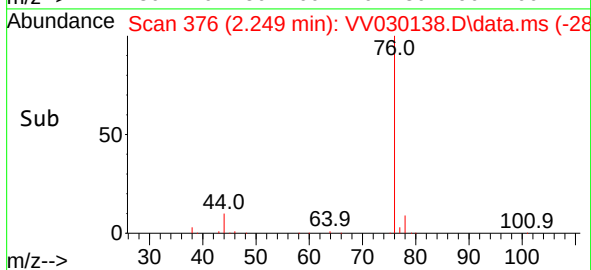
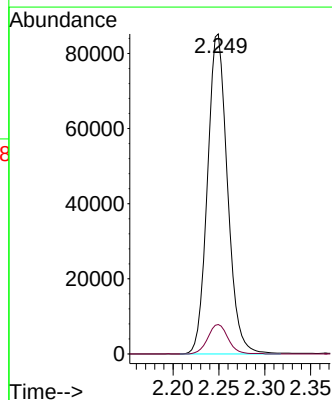
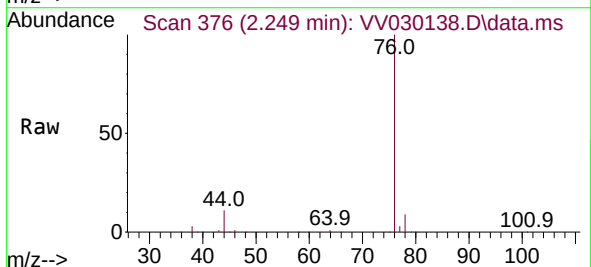
Acq: 03 Mar 2023 14:22

Tgt Ion: 76 Resp: 129250

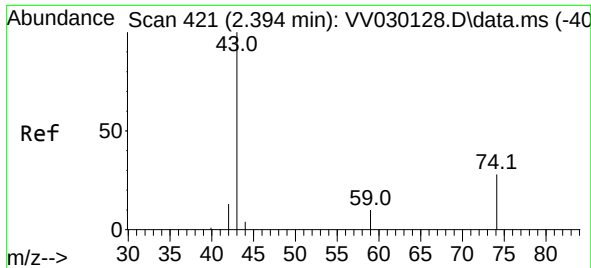
Ion Ratio Lower Upper

76 100

78 9.2 7.7 11.5



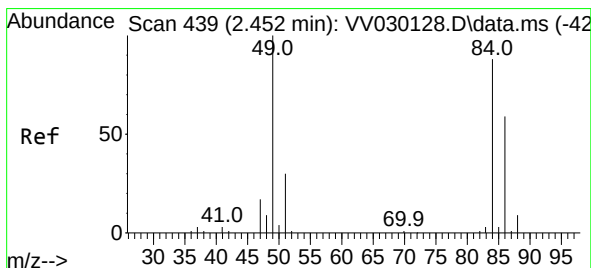
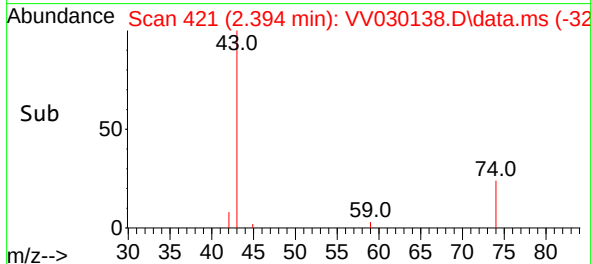
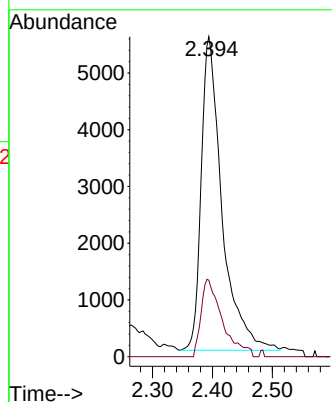
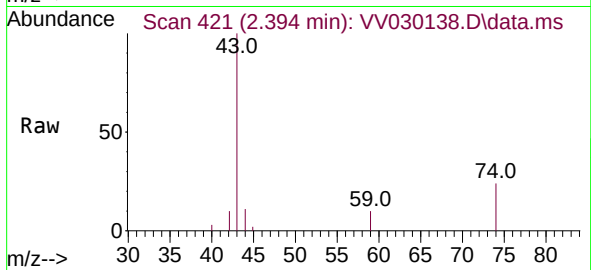




#15  
Methyl Acetate  
Concen: 4.588 ug/L  
RT: 2.394 min Scan# 41  
Delta R.T. -0.000 min  
Lab File: VV030138.D  
Acq: 03 Mar 2023 14:22

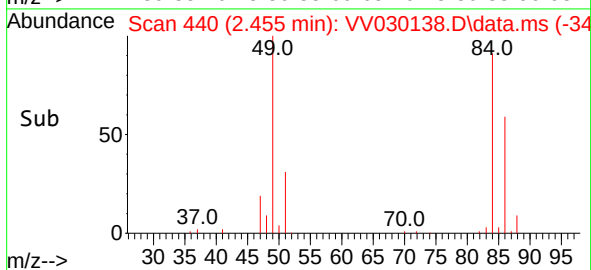
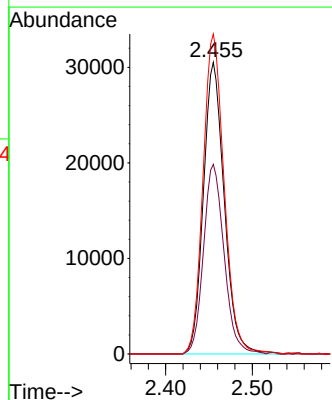
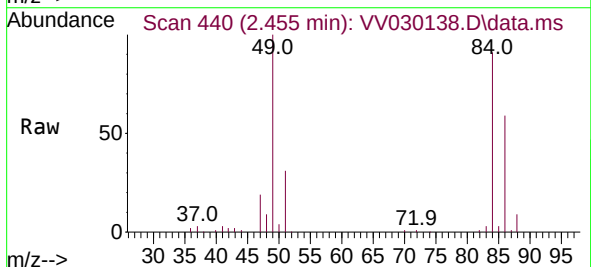
Instrument :  
MSVOA\_V  
ClientSampleId :  
DBYL5MS

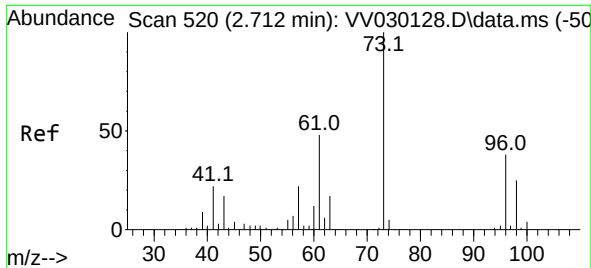
Tgt Ion: 43 Resp: 13343  
Ion Ratio Lower Upper  
43 100  
74 25.2 20.1 30.1



#16  
Methylene chloride  
Concen: 4.403 ug/L  
RT: 2.455 min Scan# 440  
Delta R.T. 0.003 min  
Lab File: VV030138.D  
Acq: 03 Mar 2023 14:22

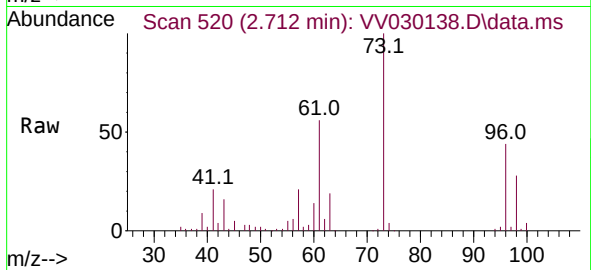
Tgt Ion: 84 Resp: 50978  
Ion Ratio Lower Upper  
84 100  
86 65.0 44.7 83.1  
49 109.7 78.8 146.3



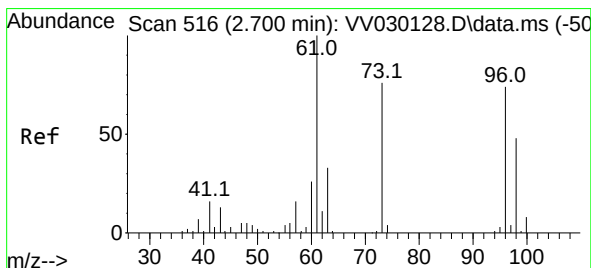
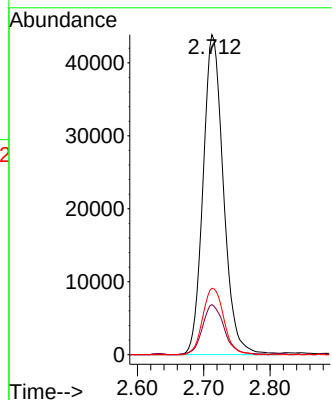
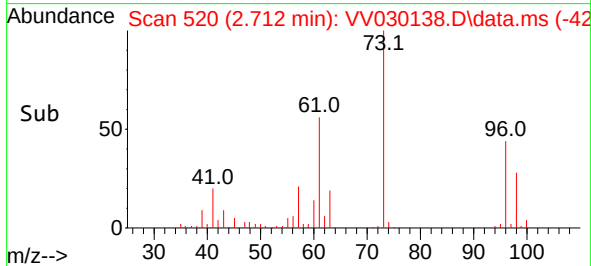


#17  
Methyl tert-butyl Ether  
Concen: 5.052 ug/L  
RT: 2.712 min Scan# 517  
Delta R.T. -0.000 min  
Lab File: VV030138.D  
Acq: 03 Mar 2023 14:22

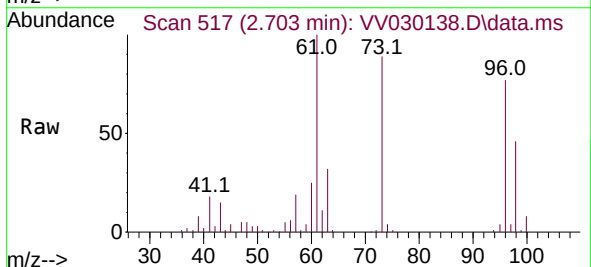
Instrument :  
MSVOA\_V  
ClientSampleId :  
DBYL5MS



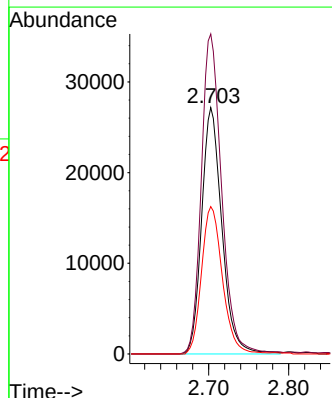
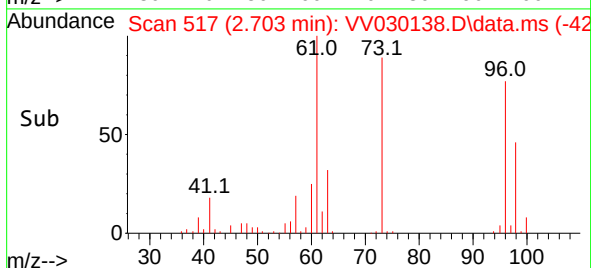
|             |             |
|-------------|-------------|
| Tgt Ion: 73 | Resp: 93635 |
| Ion Ratio   | Lower Upper |
| 73 100      |             |
| 43 16.8     | 13.4 20.2   |
| 57 21.6     | 16.8 25.2   |

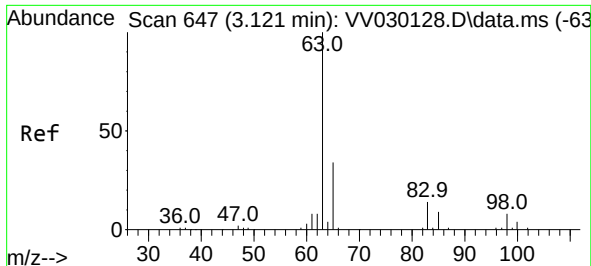


#18  
trans-1,2-Dichloroethene  
Concen: 5.322 ug/L  
RT: 2.703 min Scan# 517  
Delta R.T. 0.003 min  
Lab File: VV030138.D  
Acq: 03 Mar 2023 14:22



|             |             |
|-------------|-------------|
| Tgt Ion: 96 | Resp: 47978 |
| Ion Ratio   | Lower Upper |
| 96 100      |             |
| 61 129.8    | 91.0 169.0  |
| 98 59.8     | 45.2 84.0   |

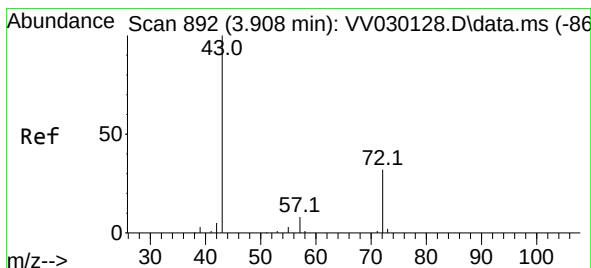
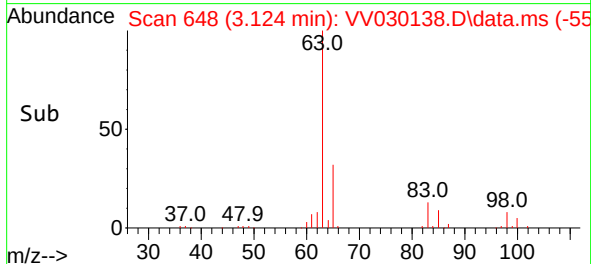
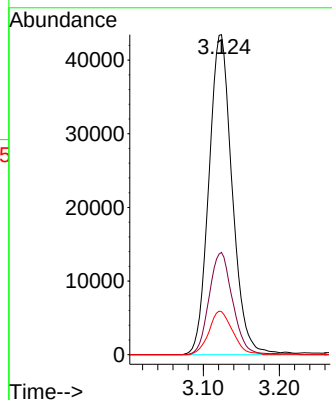
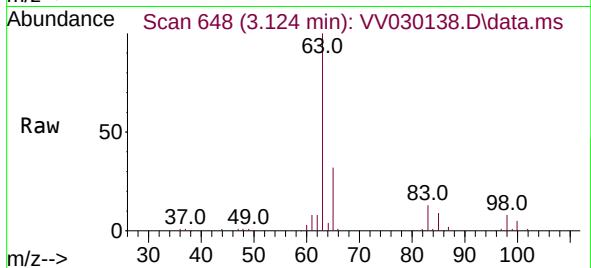




#19  
1,1-Dichloroethane  
Concen: 5.497 ug/L  
RT: 3.124 min Scan# 64  
Delta R.T. 0.003 min  
Lab File: VV030138.D  
Acq: 03 Mar 2023 14:22

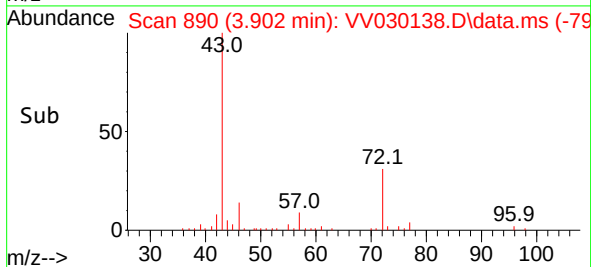
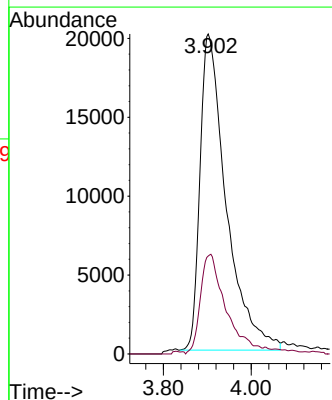
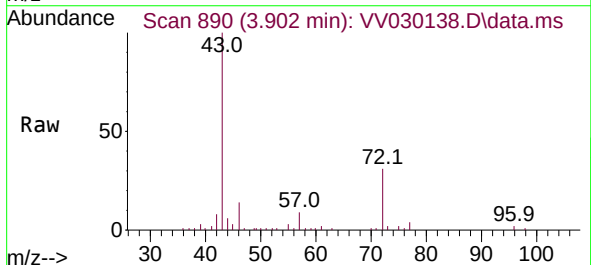
Instrument :  
MSVOA\_V  
ClientSampleId :  
DBYL5MS

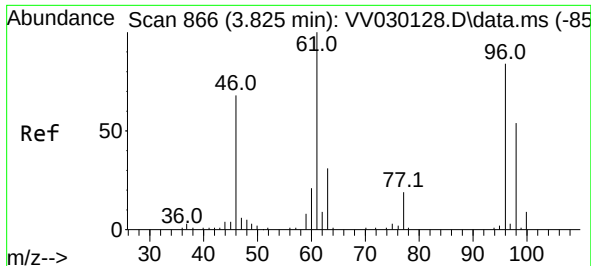
Tgt Ion: 63 Resp: 92327  
Ion Ratio Lower Upper  
63 100  
65 31.9 23.0 42.8  
83 13.5 9.6 17.8



#21  
2-Butanone  
Concen: 49.437 ug/L  
RT: 3.902 min Scan# 890  
Delta R.T. -0.007 min  
Lab File: VV030138.D  
Acq: 03 Mar 2023 14:22

Tgt Ion: 43 Resp: 82789  
Ion Ratio Lower Upper  
43 100  
72 30.6 15.1 45.3

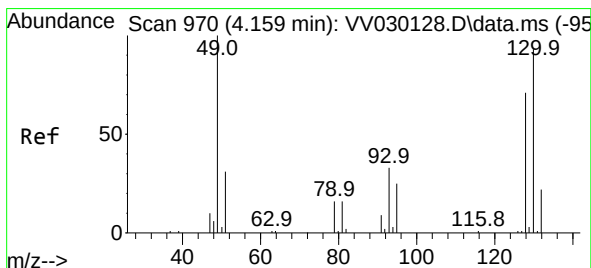
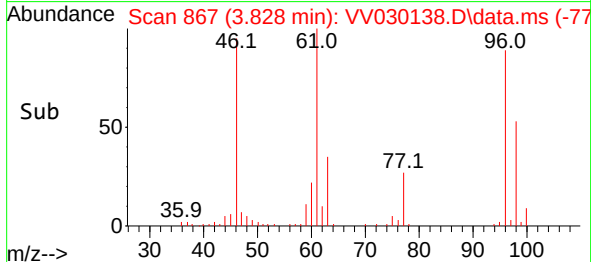
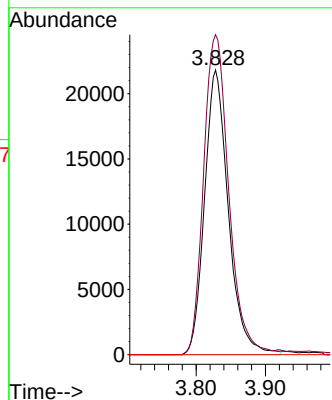
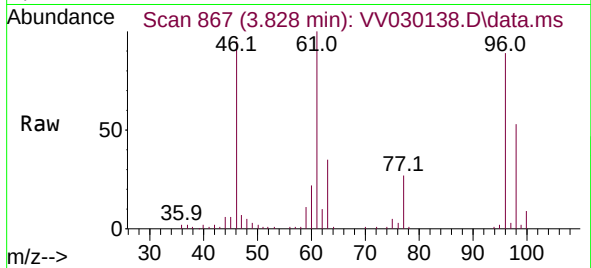




#22  
 cis-1,2-Dichloroethene  
 Concen: 5.232 ug/L  
 RT: 3.828 min Scan# 866  
 Delta R.T. 0.003 min  
 Lab File: VV030138.D  
 Acq: 03 Mar 2023 14:22

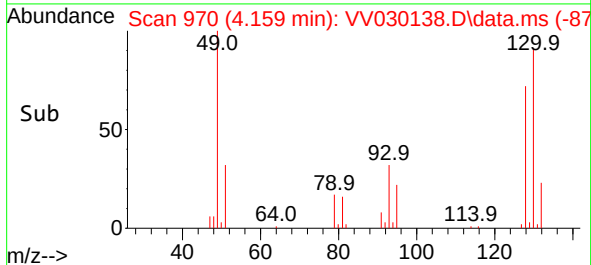
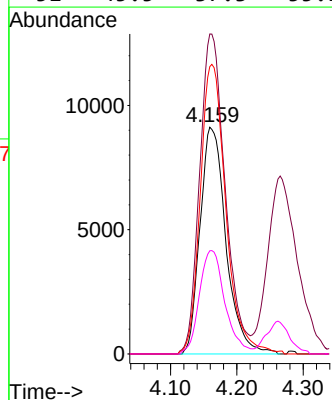
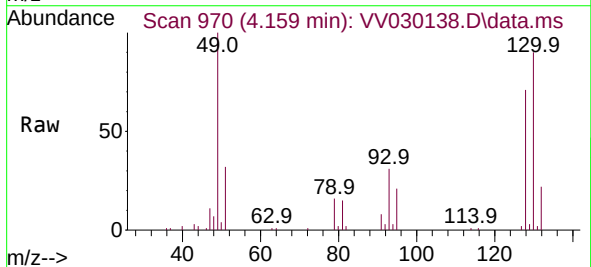
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 DBYL5MS

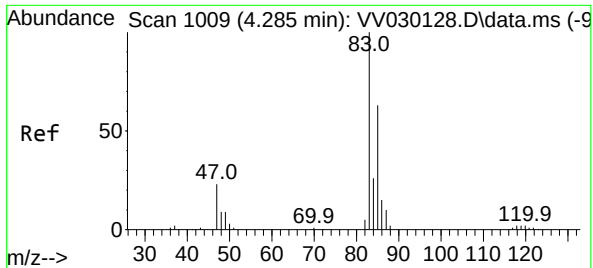
Tgt Ion: 96 Resp: 52134  
 Ion Ratio Lower Upper  
 96 100  
 61 112.4 83.4 154.8  
 68 0.0 0.0 0.0



#23  
 Bromochloromethane  
 Concen: 5.814 ug/L  
 RT: 4.159 min Scan# 970  
 Delta R.T. -0.000 min  
 Lab File: VV030138.D  
 Acq: 03 Mar 2023 14:22

Tgt Ion: 128 Resp: 24758  
 Ion Ratio Lower Upper  
 128 100  
 49 141.1 99.5 184.9  
 130 126.7 90.5 168.1  
 51 45.5 37.3 55.9





#25

Chloroform

Concen: 5.666 ug/L

RT: 4.291 min Scan# 1009

Delta R.T. 0.006 min

Lab File: VV030138.D

Acq: 03 Mar 2023 14:22

Instrument :

MSVOA\_V

ClientSampleId :

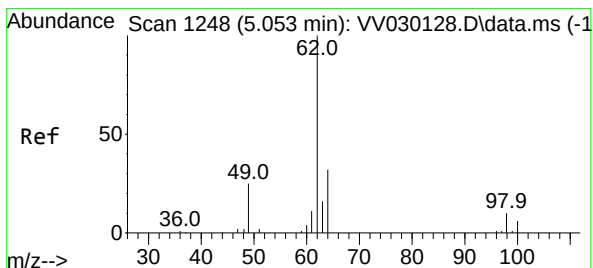
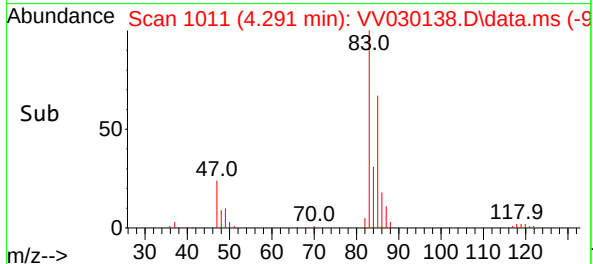
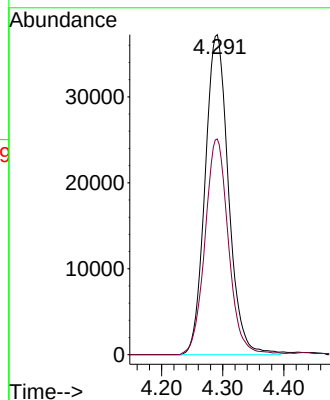
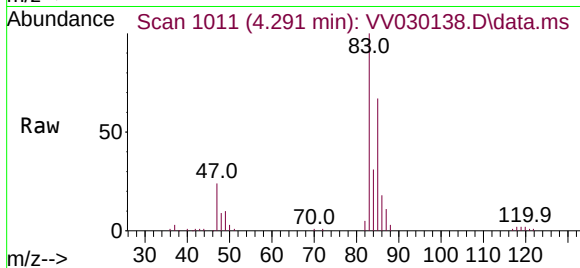
DBYL5MS

Tgt Ion: 83 Resp: 98989

Ion Ratio Lower Upper

83 100

85 67.4 46.5 86.5



#27

1,2-Dichloroethane

Concen: 5.609 ug/L

RT: 5.053 min Scan# 1248

Delta R.T. -0.000 min

Lab File: VV030138.D

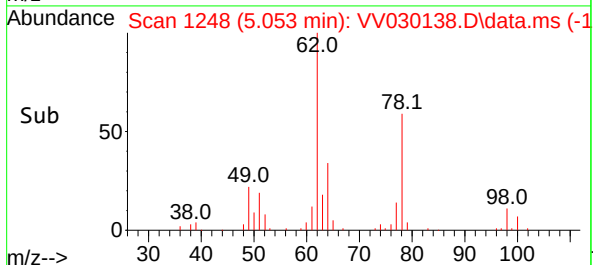
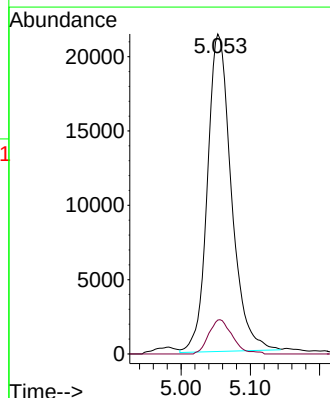
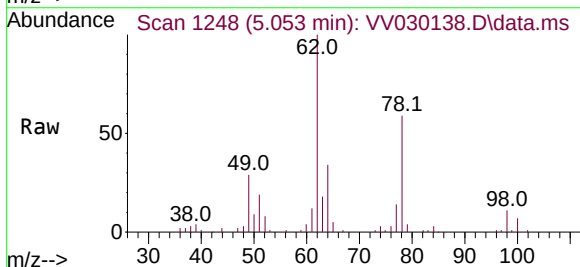
Acq: 03 Mar 2023 14:22

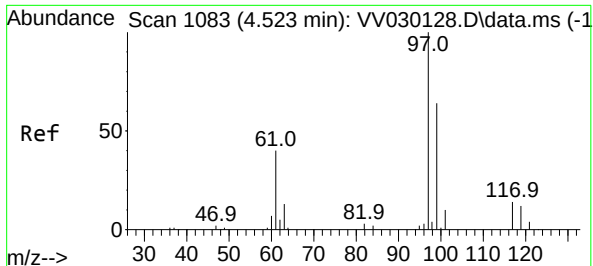
Tgt Ion: 62 Resp: 51255

Ion Ratio Lower Upper

62 100

98 10.6 9.0 13.4





#29

1,1,1-Trichloroethane

Concen: 5.476 ug/L

RT: 4.526 min Scan# 1083

Delta R.T. 0.003 min

Lab File: VV030138.D

Acq: 03 Mar 2023 14:22

Instrument :

MSVOA\_V

ClientSampleId :

DBYL5MS

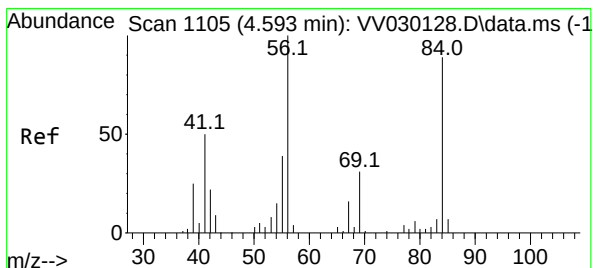
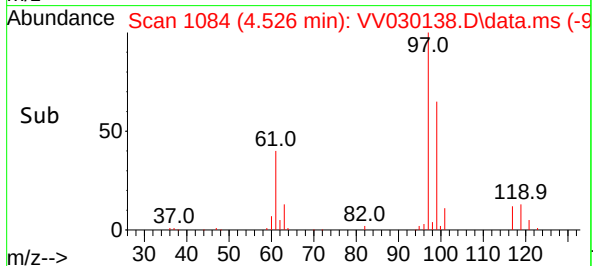
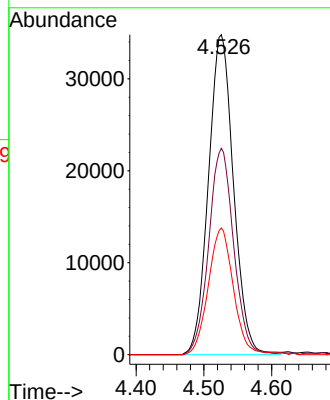
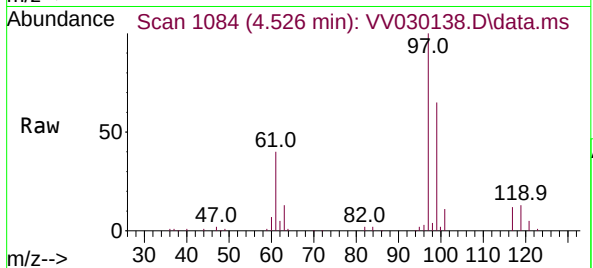
Tgt Ion: 97 Resp: 89329

Ion Ratio Lower Upper

97 100

99 64.4 51.3 76.9

61 39.4 31.5 47.3



#30

Cyclohexane

Concen: 4.556 ug/L

RT: 4.593 min Scan# 1105

Delta R.T. -0.000 min

Lab File: VV030138.D

Acq: 03 Mar 2023 14:22

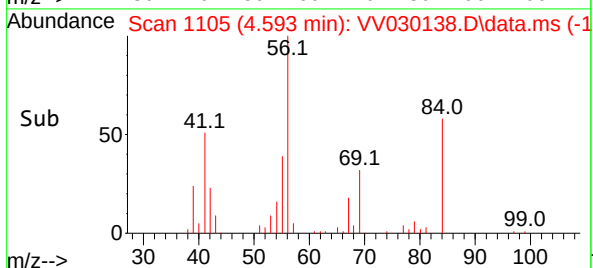
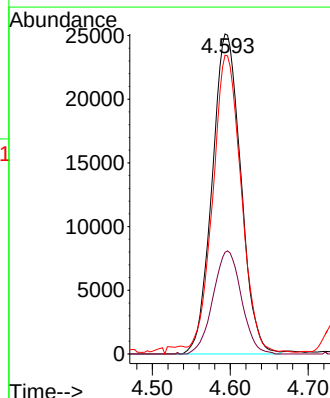
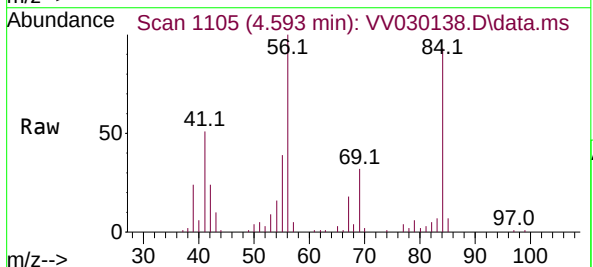
Tgt Ion: 56 Resp: 64227

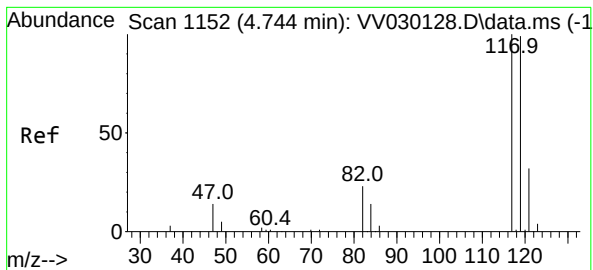
Ion Ratio Lower Upper

56 100

69 31.8 25.1 37.7

84 90.6 74.6 111.8

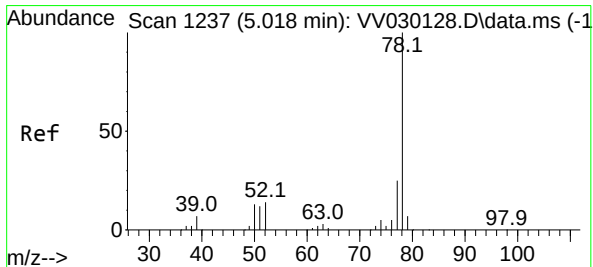
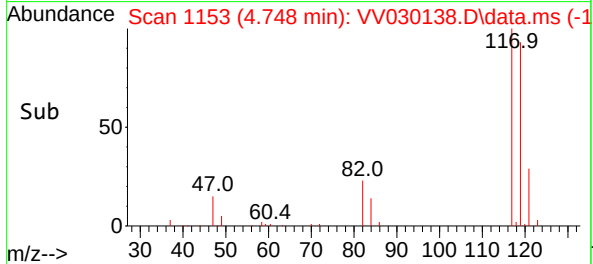
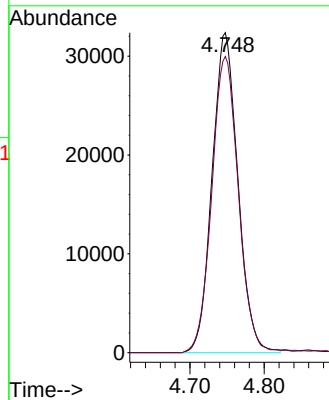
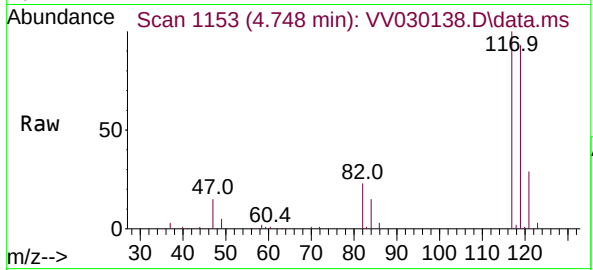




#31  
Carbon tetrachloride  
Concen: 5.321 ug/L  
RT: 4.748 min Scan# 1152  
Delta R.T. 0.003 min  
Lab File: VV030138.D  
Acq: 03 Mar 2023 14:22

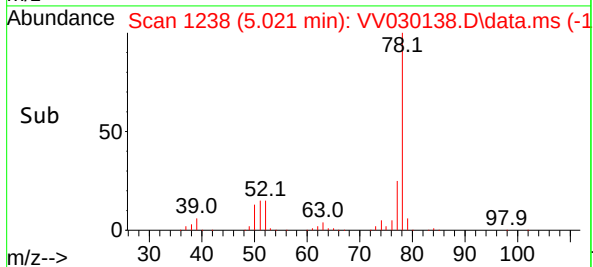
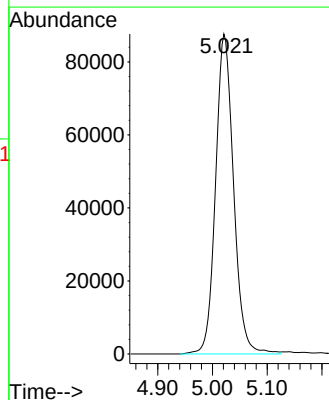
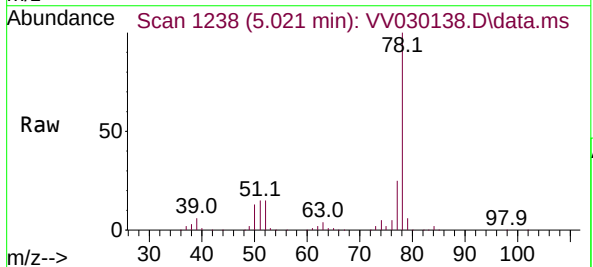
Instrument :  
MSVOA\_V  
ClientSampleId :  
DBYL5MS

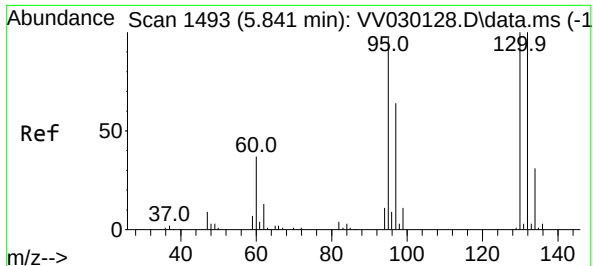
Tgt Ion:117 Resp: 78020  
Ion Ratio Lower Upper  
117 100  
119 95.3 76.1 114.1



#33  
Benzene  
Concen: 5.278 ug/L  
RT: 5.021 min Scan# 1238  
Delta R.T. 0.003 min  
Lab File: VV030138.D  
Acq: 03 Mar 2023 14:22

Tgt Ion: 78 Resp: 200197

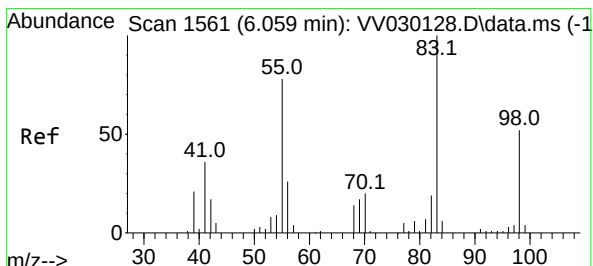
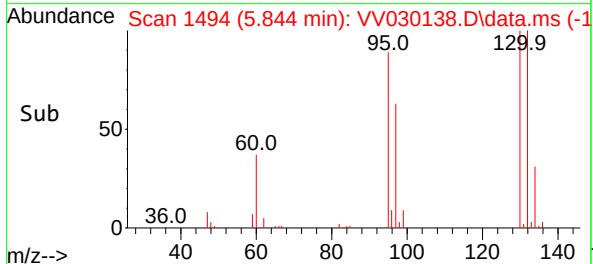
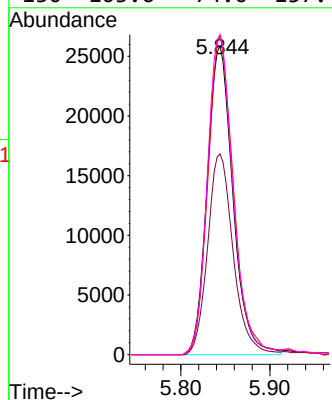
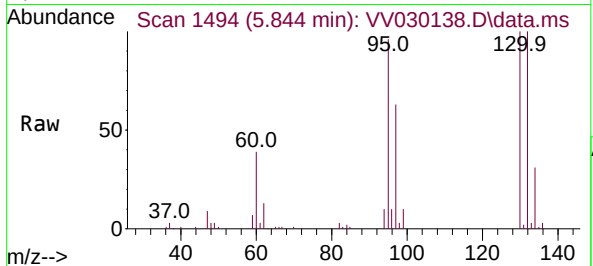




#34  
Trichloroethene  
Concen: 4.874 ug/L  
RT: 5.844 min Scan# 1493  
Delta R.T. 0.003 min  
Lab File: VV030138.D  
Acq: 03 Mar 2023 14:22

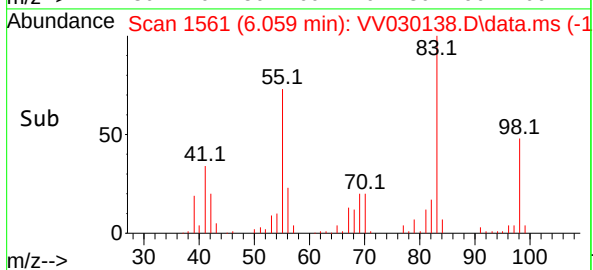
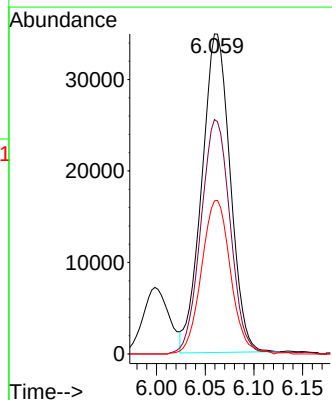
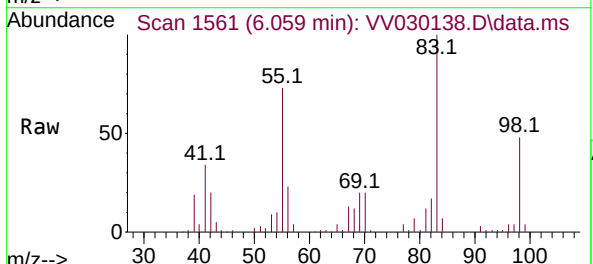
Instrument :  
MSVOA\_V  
ClientSampleId :  
DBYL5MS

Tgt Ion: 95 Resp: 51802  
Ion Ratio Lower Upper  
95 100  
97 65.1 46.5 86.5  
132 103.3 71.7 133.3  
130 103.6 74.0 137.4

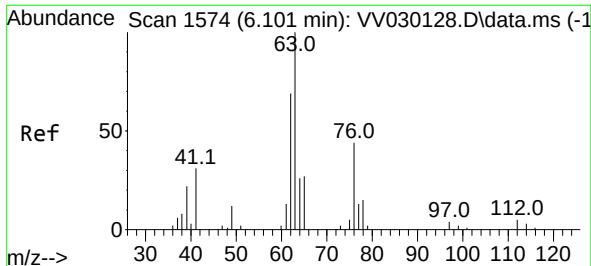


#35  
Methylcyclohexane  
Concen: 4.401 ug/L  
RT: 6.059 min Scan# 1561  
Delta R.T. -0.000 min  
Lab File: VV030138.D  
Acq: 03 Mar 2023 14:22

Tgt Ion: 83 Resp: 70786  
Ion Ratio Lower Upper  
83 100  
55 76.0 57.6 86.4  
98 49.1 38.8 58.2







#37

1,2-Dichloropropane

Concen: 5.377 ug/L

RT: 6.104 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV030138.D

Acq: 03 Mar 2023 14:22

Instrument :

MSVOA\_V

ClientSampleId :

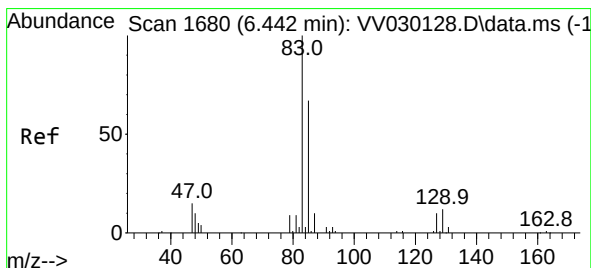
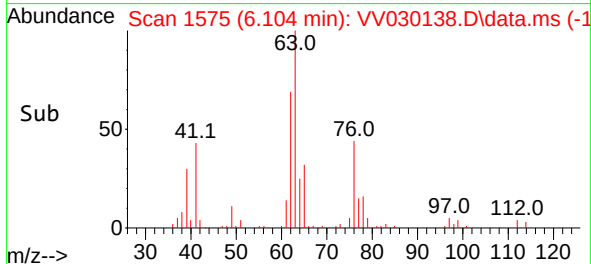
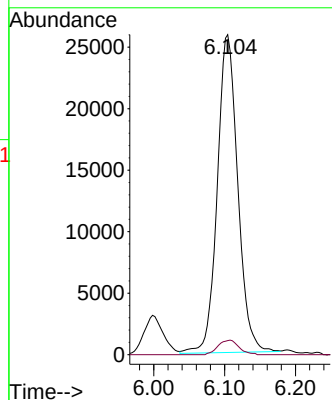
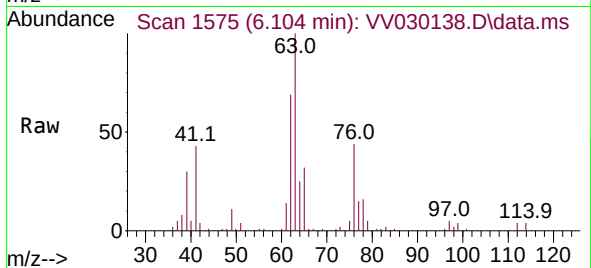
DBYL5MS

Tgt Ion: 63 Resp: 51879

Ion Ratio Lower Upper

63 100

112 4.7 3.8 5.6



#38

Bromodichloromethane

Concen: 5.534 ug/L

RT: 6.442 min Scan# 1680

Delta R.T. -0.000 min

Lab File: VV030138.D

Acq: 03 Mar 2023 14:22

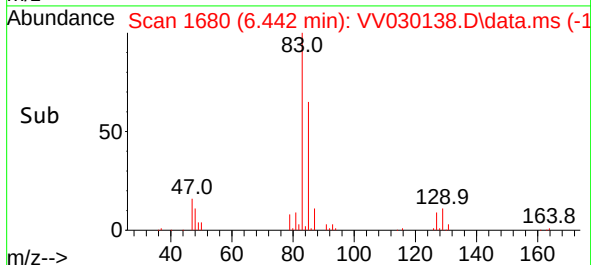
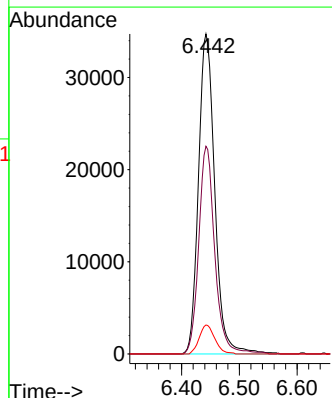
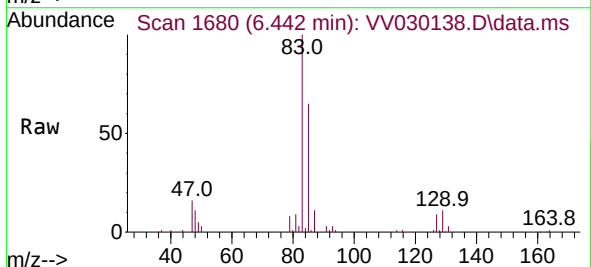
Tgt Ion: 83 Resp: 68169

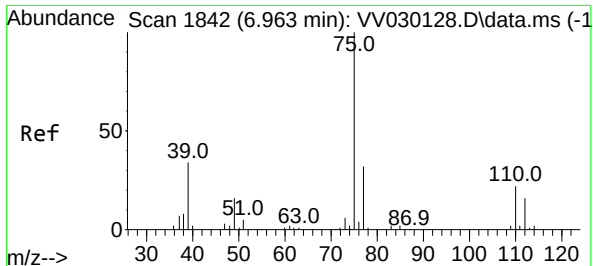
Ion Ratio Lower Upper

83 100

85 64.9 44.3 82.3

127 9.1 7.2 10.8





#39

cis-1,3-Dichloropropene

Concen: 4.634 ug/L

RT: 6.963 min Scan# 1842

Delta R.T. -0.000 min

Lab File: VV030138.D

Acq: 03 Mar 2023 14:22

Instrument :

MSVOA\_V

ClientSampleId :

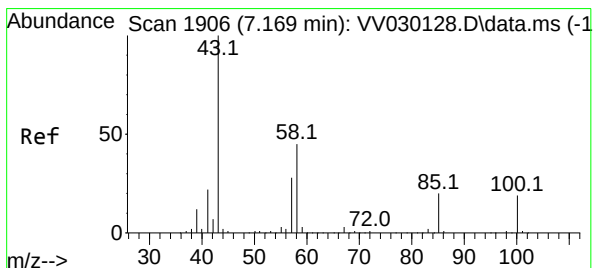
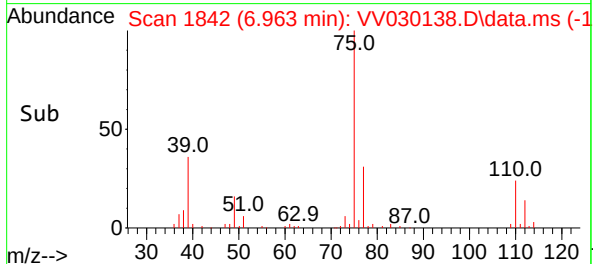
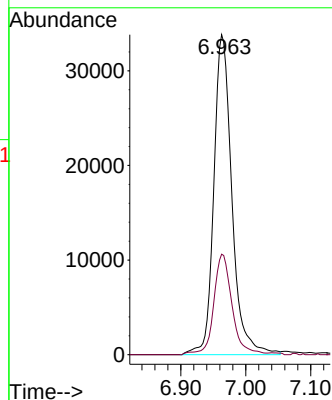
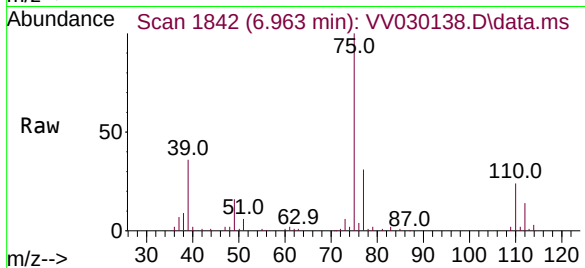
DBYL5MS

Tgt Ion: 75 Resp: 65454

Ion Ratio Lower Upper

75 100

77 31.4 22.3 41.3



#40

4-Methyl-2-pentanone

Concen: 52.442 ug/L

RT: 7.169 min Scan# 1906

Delta R.T. -0.000 min

Lab File: VV030138.D

Acq: 03 Mar 2023 14:22

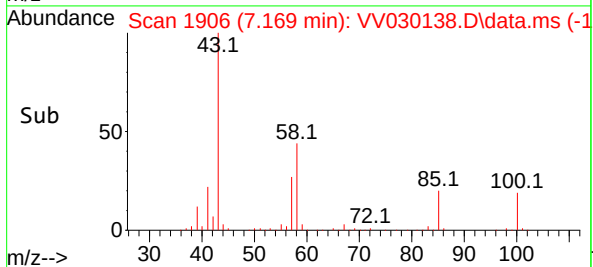
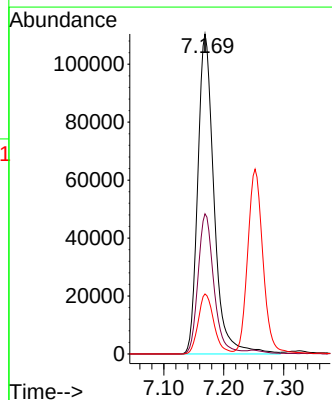
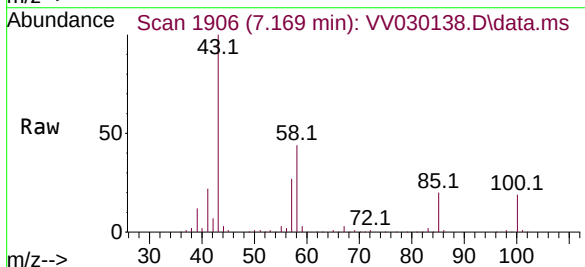
Tgt Ion: 43 Resp: 208805

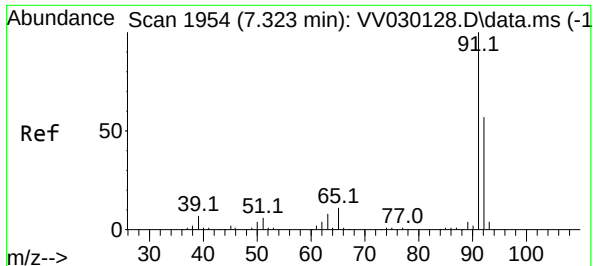
Ion Ratio Lower Upper

43 100

58 42.7 35.3 52.9

100 18.1 14.7 22.1

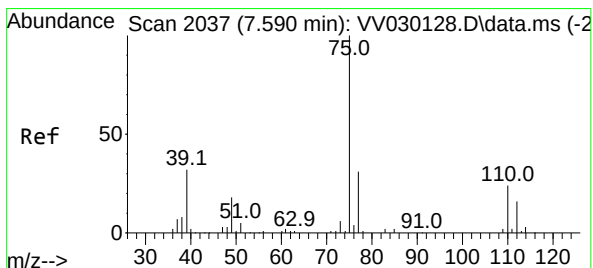
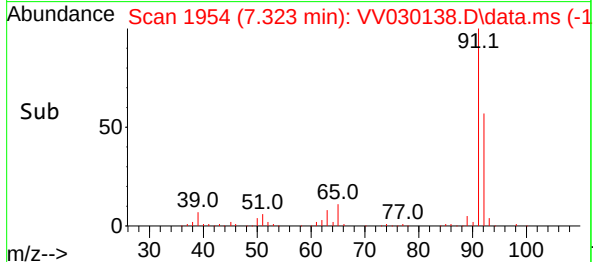
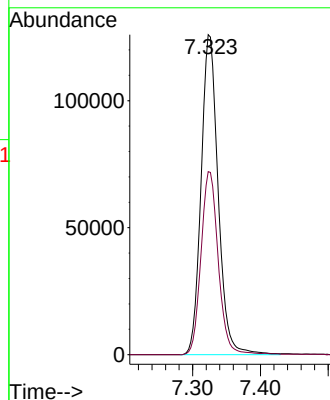
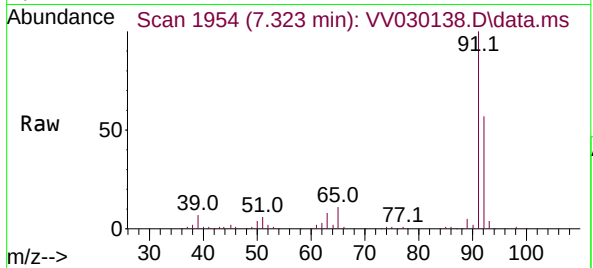




#42  
Toluene  
Concen: 5.370 ug/L  
RT: 7.323 min Scan# 1954  
Delta R.T. -0.000 min  
Lab File: VV030138.D  
Acq: 03 Mar 2023 14:22

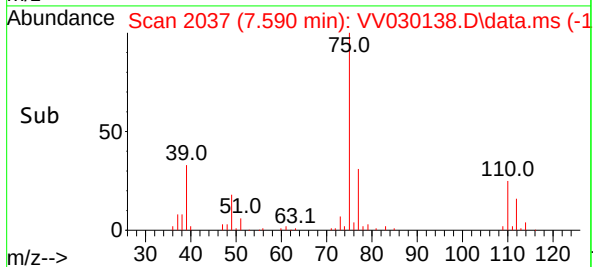
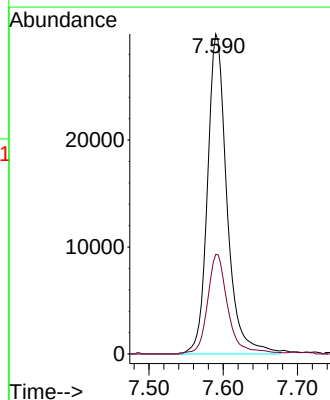
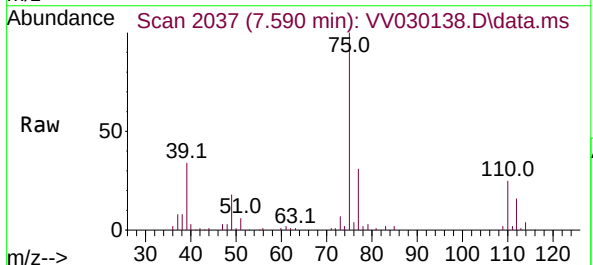
Instrument :  
MSVOA\_V  
ClientSampleId :  
DBYL5MS

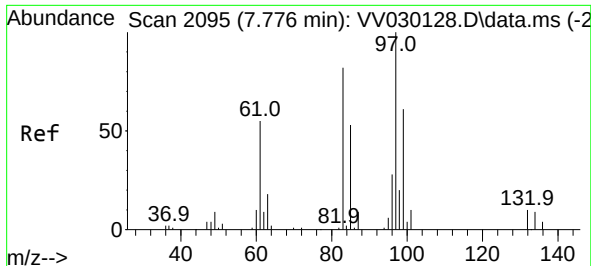
Tgt Ion: 91 Resp: 220590  
Ion Ratio Lower Upper  
91 100  
92 57.2 39.6 73.6



#44  
trans-1,3-Dichloropropene  
Concen: 4.937 ug/L  
RT: 7.590 min Scan# 2037  
Delta R.T. -0.000 min  
Lab File: VV030138.D  
Acq: 03 Mar 2023 14:22

Tgt Ion: 75 Resp: 54442  
Ion Ratio Lower Upper  
75 100  
77 31.1 22.1 41.1





#45

1,1,2-Trichloroethane

Concen: 5.385 ug/L

RT: 7.780 min Scan# 2095

Delta R.T. 0.003 min

Lab File: VV030138.D

Acq: 03 Mar 2023 14:22

Instrument :

MSVOA\_V

ClientSampleId :

DBYL5MS

Tgt Ion: 97 Resp: 37176

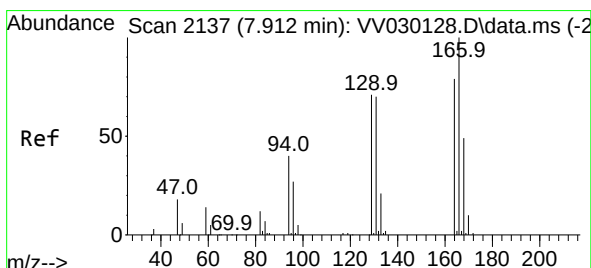
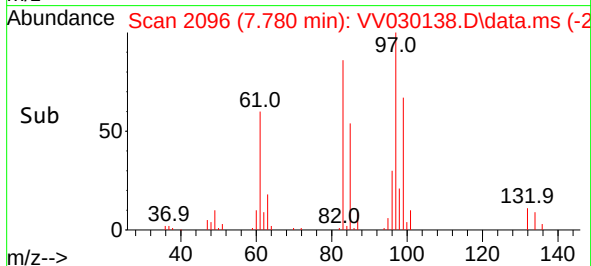
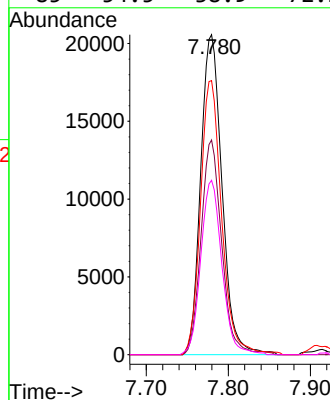
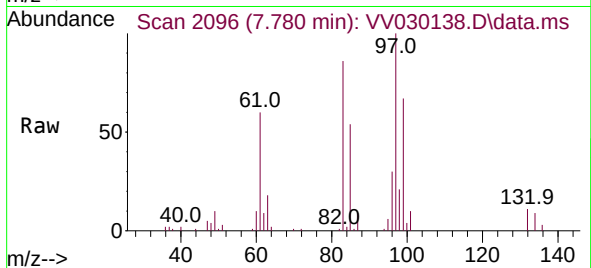
Ion Ratio Lower Upper

97 100

99 67.1 42.6 79.2

83 85.6 57.7 107.3

85 54.5 38.9 72.2



#47

Tetrachloroethene

Concen: 5.037 ug/L

RT: 7.915 min Scan# 2138

Delta R.T. 0.003 min

Lab File: VV030138.D

Acq: 03 Mar 2023 14:22

Tgt Ion: 164 Resp: 45948

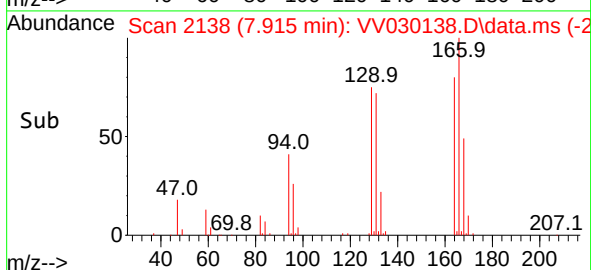
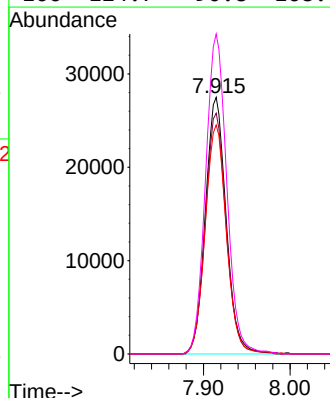
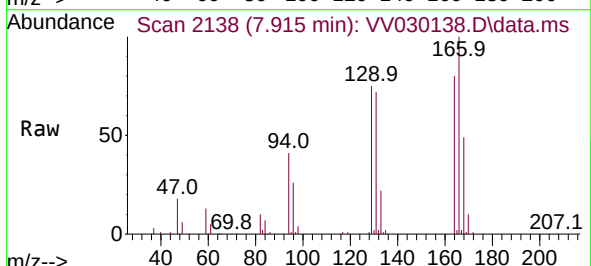
Ion Ratio Lower Upper

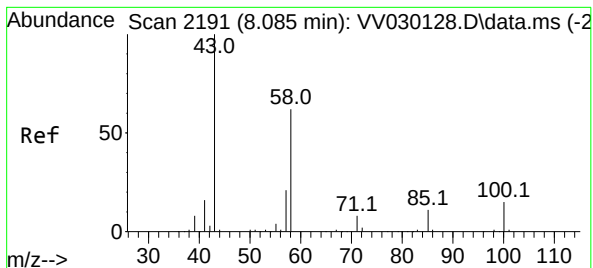
164 100

129 93.9 63.6 118.2

131 89.3 61.7 114.7

166 124.7 90.8 168.6





#48

2-Hexanone

Concen: 52.999 ug/L

RT: 8.085 min Scan# 2191

Delta R.T. -0.000 min

Lab File: VV030138.D

Acq: 03 Mar 2023 14:22

Instrument :

MSVOA\_V

ClientSampleId :

DBYL5MS

Tgt Ion: 43 Resp: 151070

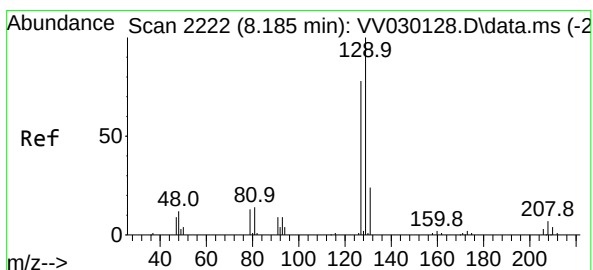
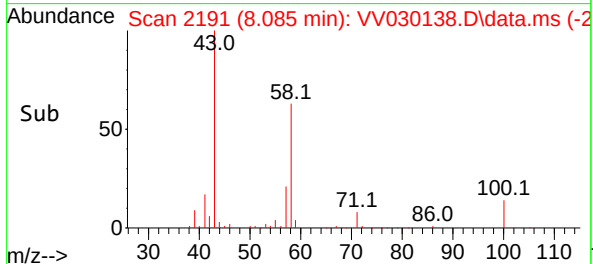
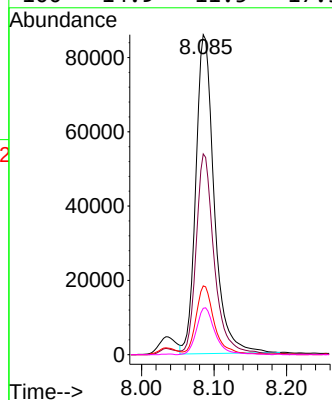
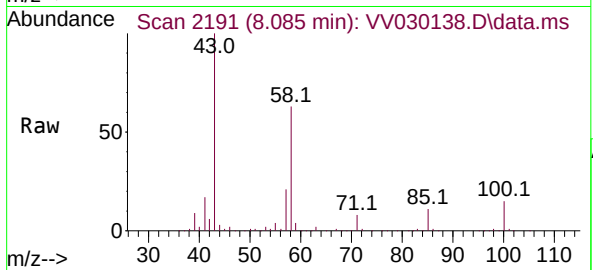
Ion Ratio Lower Upper

43 100

58 61.1 49.8 74.8

57 21.3 16.6 24.8

100 14.9 11.5 17.3



#49

Dibromochloromethane

Concen: 5.545 ug/L

RT: 8.185 min Scan# 2222

Delta R.T. -0.000 min

Lab File: VV030138.D

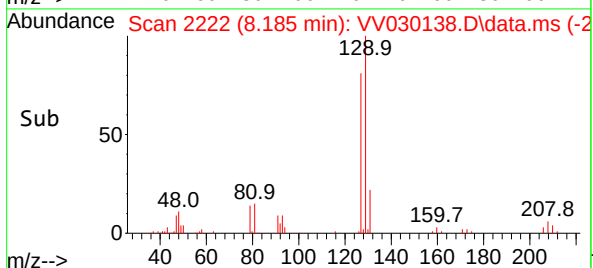
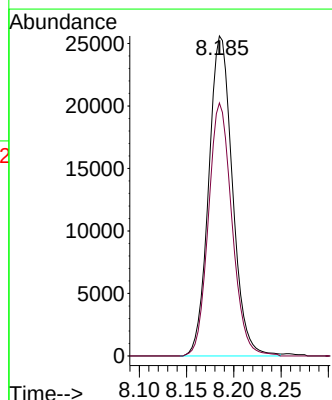
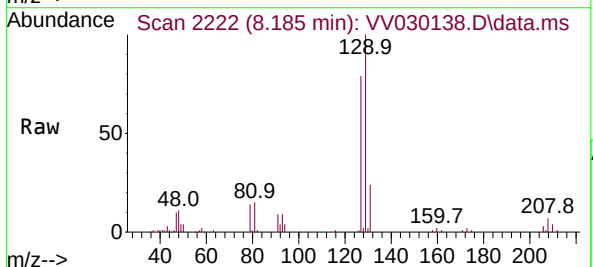
Acq: 03 Mar 2023 14:22

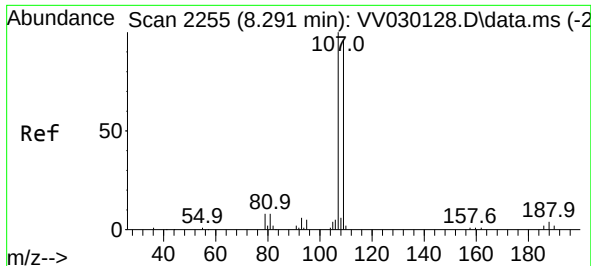
Tgt Ion: 129 Resp: 44795

Ion Ratio Lower Upper

129 100

127 79.0 54.7 101.5





#50

1,2-Dibromoethane

Concen: 5.381 ug/L

RT: 8.291 min Scan# 21

Delta R.T. -0.000 min

Lab File: VV030138.D

Acq: 03 Mar 2023 14:22

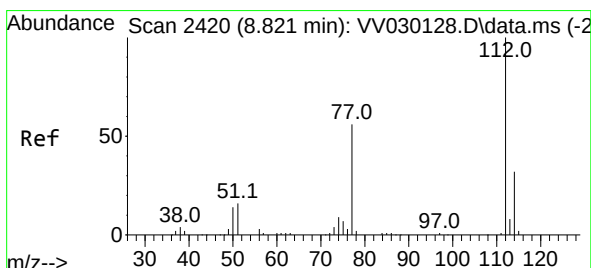
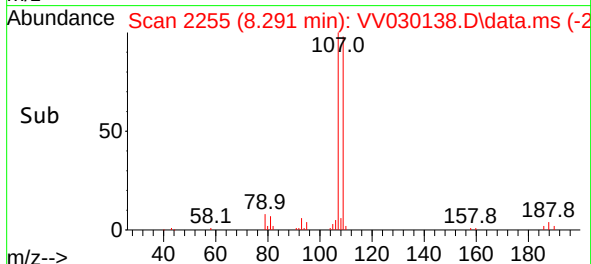
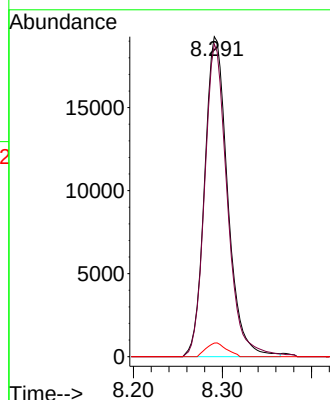
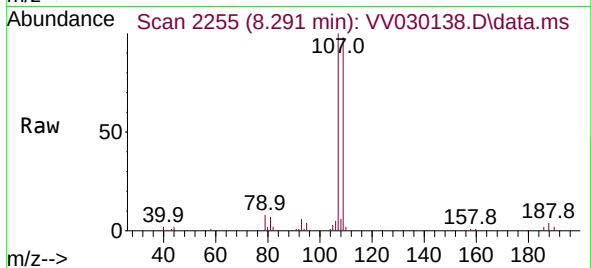
Instrument :

MSVOA\_V

ClientSampleId :

DBYL5MS

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:107 | Resp: | 34663       |
| Ion         | Ratio | Lower Upper |
| 107         | 100   |             |
| 109         | 97.7  | 63.3 117.7  |
| 188         | 4.3   | 3.0 4.6     |



#51

Chlorobenzene

Concen: 5.131 ug/L

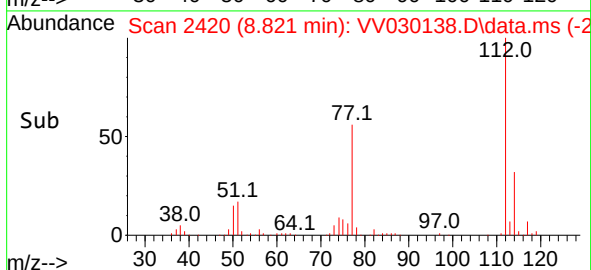
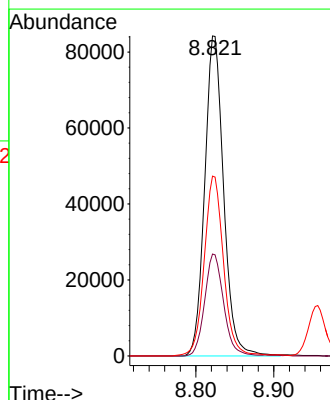
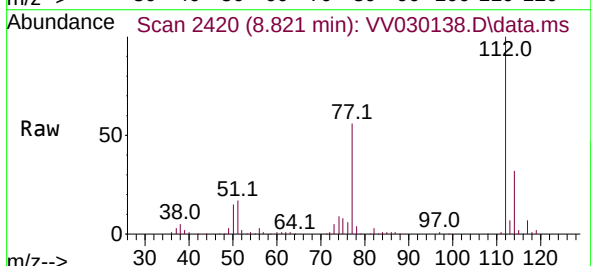
RT: 8.821 min Scan# 2420

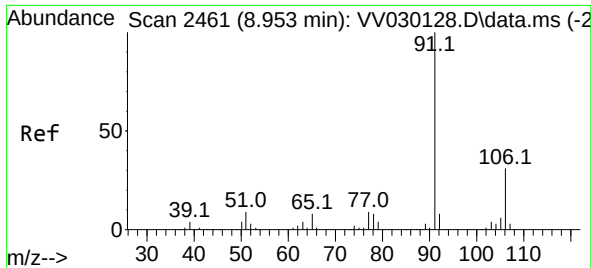
Delta R.T. -0.000 min

Lab File: VV030138.D

Acq: 03 Mar 2023 14:22

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:112 | Resp: | 142154      |
| Ion         | Ratio | Lower Upper |
| 112         | 100   |             |
| 114         | 31.8  | 22.5 41.7   |
| 77          | 56.2  | 45.3 67.9   |

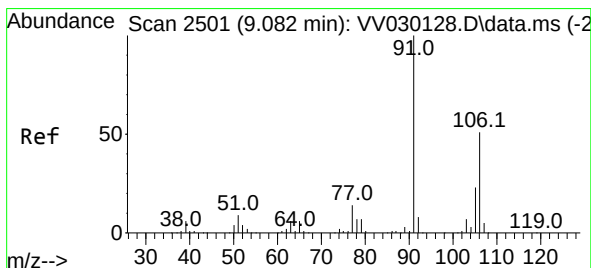
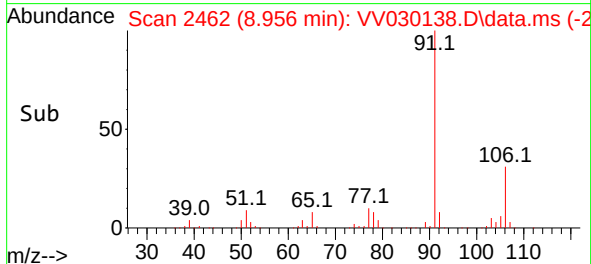
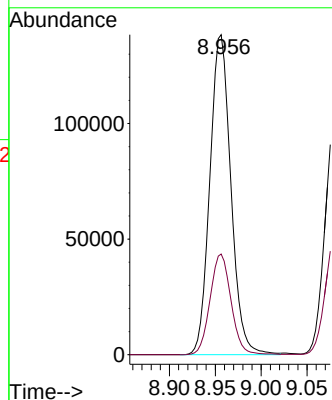
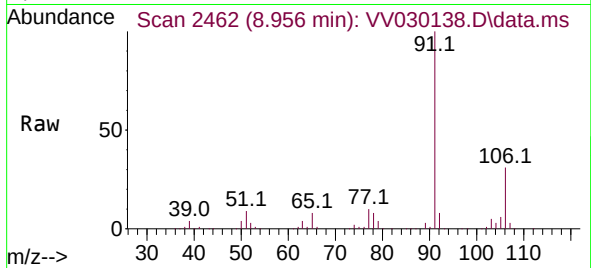




#52  
Ethylbenzene  
Concen: 4.933 ug/L  
RT: 8.956 min Scan# 2461  
Delta R.T. 0.003 min  
Lab File: VV030138.D  
Acq: 03 Mar 2023 14:22

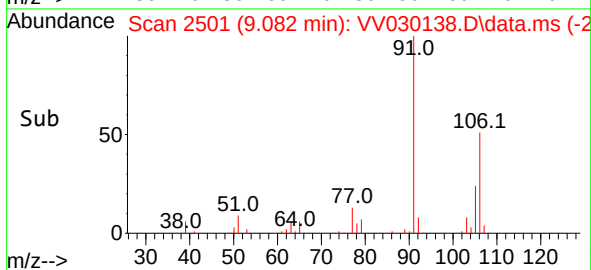
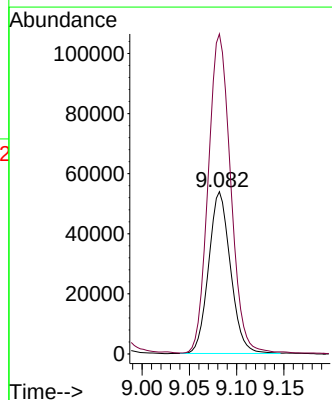
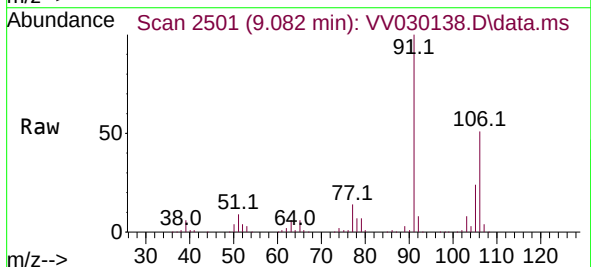
Instrument :  
MSVOA\_V  
ClientSampleId :  
DBYL5MS

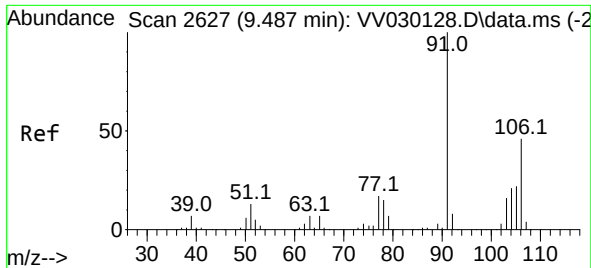
Tgt Ion: 91 Resp: 220536  
Ion Ratio Lower Upper  
91 100  
106 31.5 22.0 40.8



#53  
m,p-Xylene  
Concen: 5.037 ug/L  
RT: 9.082 min Scan# 2501  
Delta R.T. -0.000 min  
Lab File: VV030138.D  
Acq: 03 Mar 2023 14:22

Tgt Ion: 106 Resp: 86546  
Ion Ratio Lower Upper  
106 100  
91 197.2 142.5 264.7

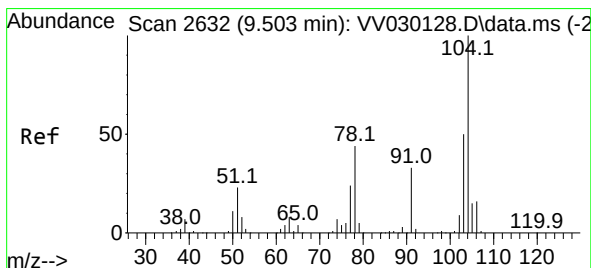
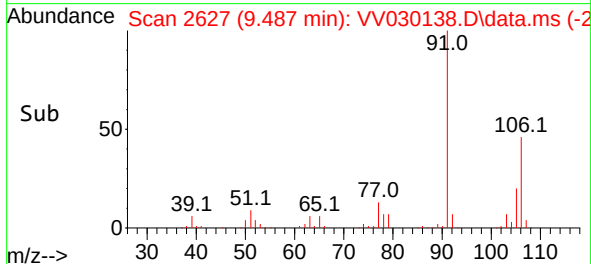
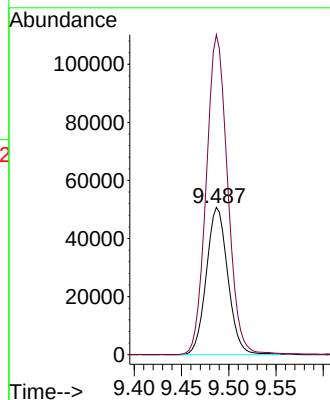
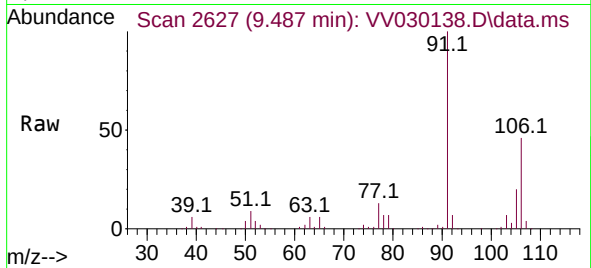




#54  
o-Xylene  
Concen: 4.901 ug/L  
RT: 9.487 min Scan# 2627  
Delta R.T. -0.000 min  
Lab File: VV030138.D  
Acq: 03 Mar 2023 14:22

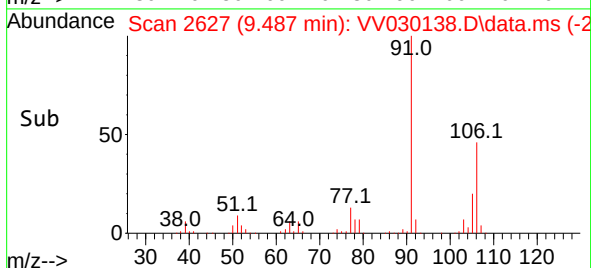
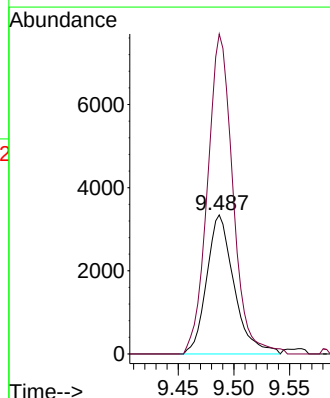
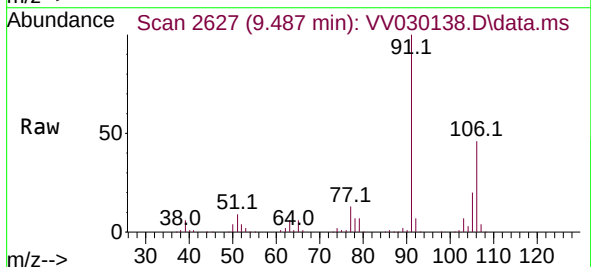
Instrument :  
MSVOA\_V  
ClientSampleId :  
DBYL5MS

Tgt Ion:106 Resp: 80443  
Ion Ratio Lower Upper  
106 100  
91 217.2 148.8 276.4

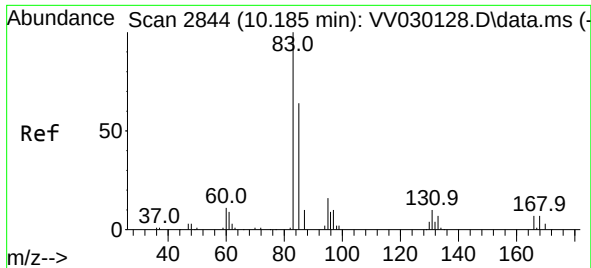


#55  
Styrene  
Concen: 0.209 ug/L  
RT: 9.487 min Scan# 2627  
Delta R.T. -0.016 min  
Lab File: VV030138.D  
Acq: 03 Mar 2023 14:22

Tgt Ion:104 Resp: 5714  
Ion Ratio Lower Upper  
104 100  
78 230.2 31.1 57.9#



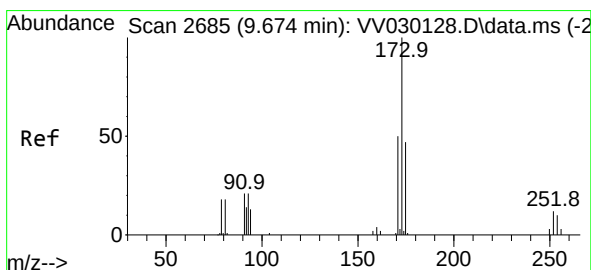
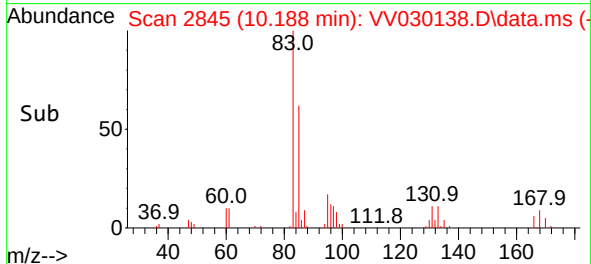
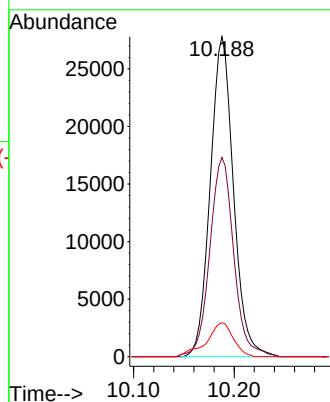
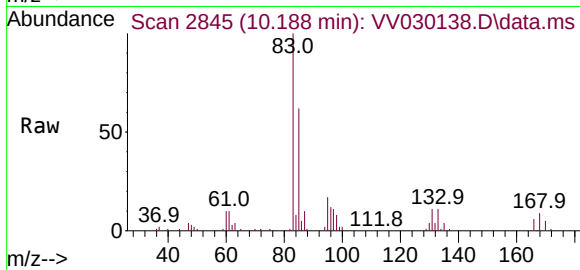




#57  
1,1,2,2-Tetrachloroethane  
Concen: 5.768 ug/L  
RT: 10.188 min Scan# 2844  
Delta R.T. 0.003 min  
Lab File: VV030138.D  
Acq: 03 Mar 2023 14:22

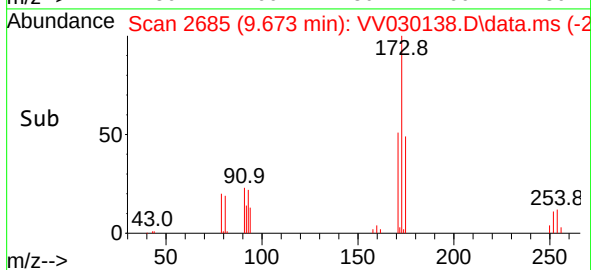
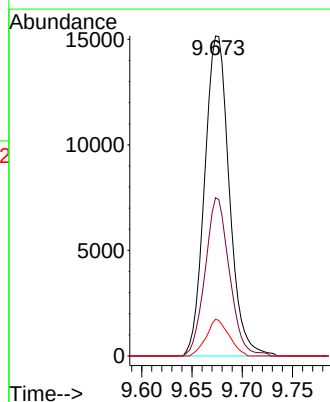
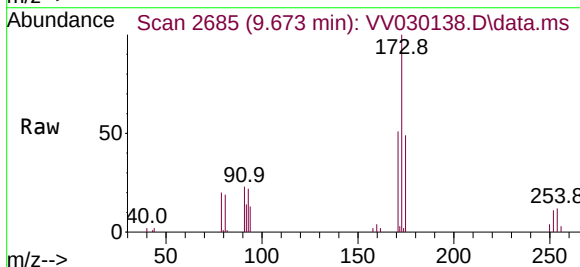
Instrument :  
MSVOA\_V  
ClientSampleId :  
DBYL5MS

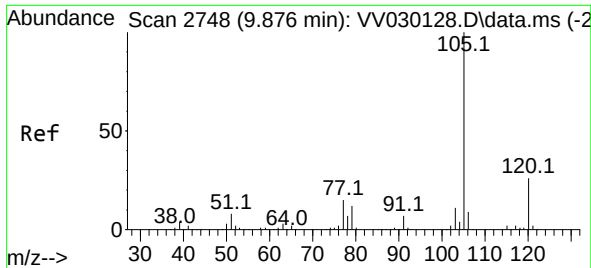
Tgt Ion: 83 Resp: 44546  
Ion Ratio Lower Upper  
83 100  
85 62.2 45.0 83.6  
131 10.6 8.2 12.4



#59  
Bromoform  
Concen: 5.191 ug/L  
RT: 9.673 min Scan# 2685  
Delta R.T. -0.000 min  
Lab File: VV030138.D  
Acq: 03 Mar 2023 14:22

Tgt Ion: 173 Resp: 25828  
Ion Ratio Lower Upper  
173 100  
175 48.8 38.5 57.7  
254 10.6 8.6 13.0

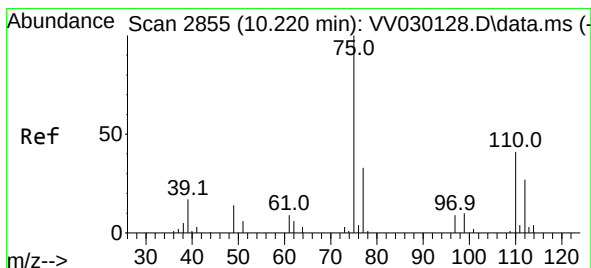
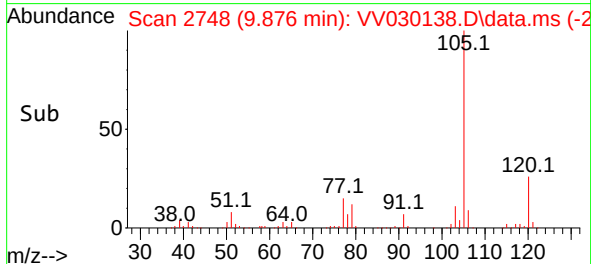
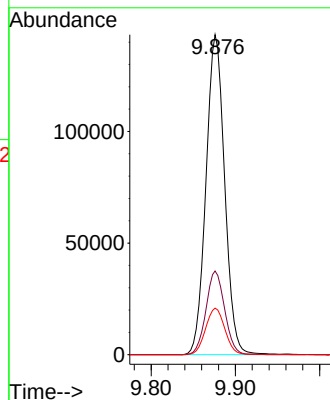
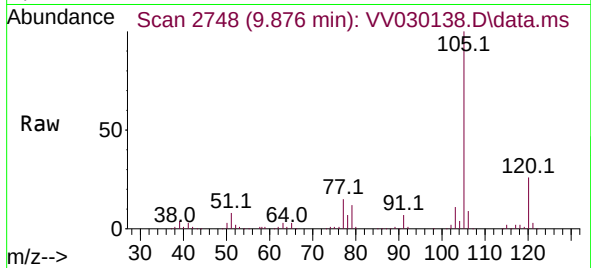




#60  
Isopropylbenzene  
Concen: 4.632 ug/L  
RT: 9.876 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VV030138.D  
Acq: 03 Mar 2023 14:22

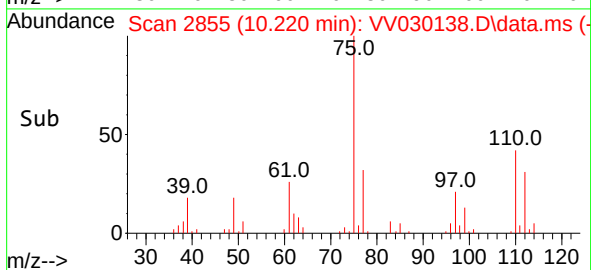
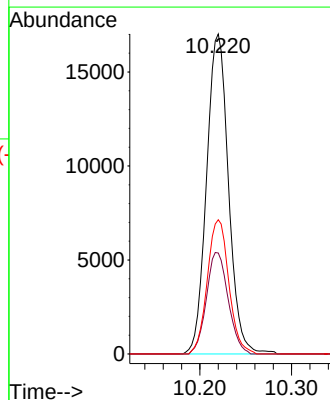
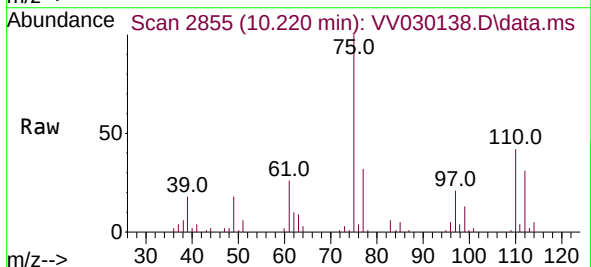
Instrument :  
MSVOA\_V  
ClientSampleId :  
DBYL5MS

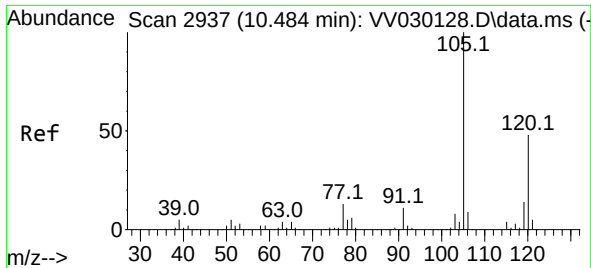
Tgt Ion:105 Resp: 221266  
Ion Ratio Lower Upper  
105 100  
120 26.2 21.4 32.0  
77 15.1 12.1 18.1



#61  
1,2,3-Trichloropropane  
Concen: 5.094 ug/L  
RT: 10.220 min Scan# 2855  
Delta R.T. -0.000 min  
Lab File: VV030138.D  
Acq: 03 Mar 2023 14:22

Tgt Ion: 75 Resp: 28303  
Ion Ratio Lower Upper  
75 100  
77 31.5 26.5 39.7  
110 41.2 31.8 47.6

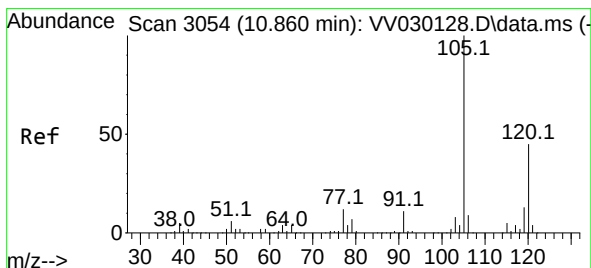
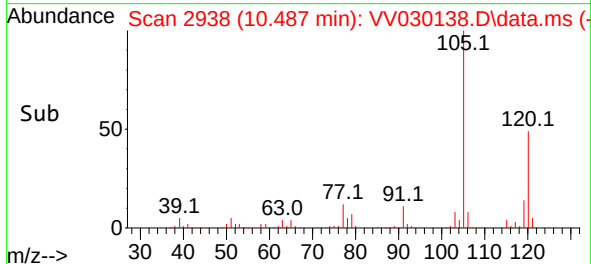
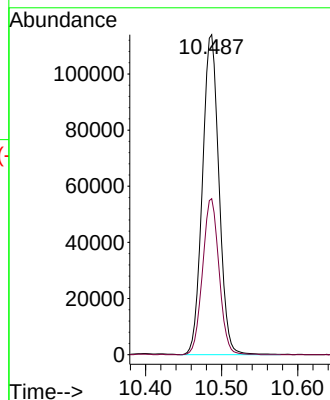
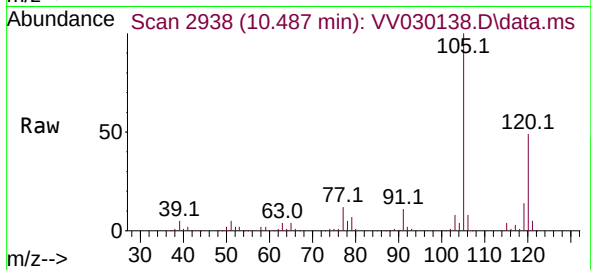




#62  
 1,3,5-Trimethylbenzene  
 Concen: 4.396 ug/L  
 RT: 10.487 min Scan# 2937  
 Delta R.T. 0.003 min  
 Lab File: VV030138.D  
 Acq: 03 Mar 2023 14:22

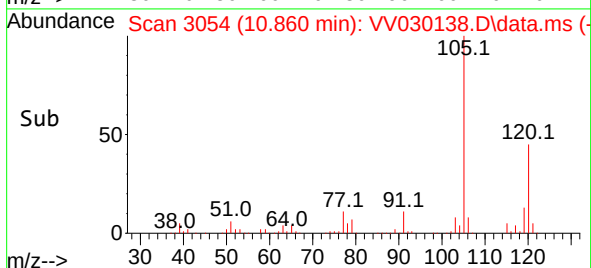
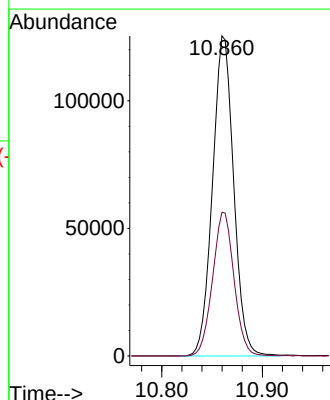
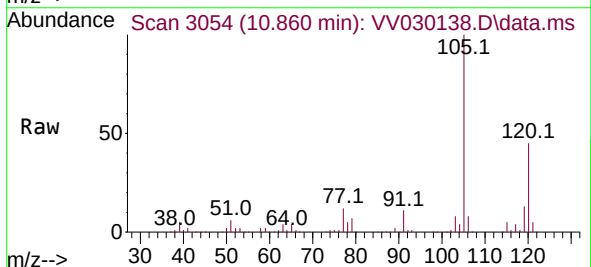
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 DBYL5MS

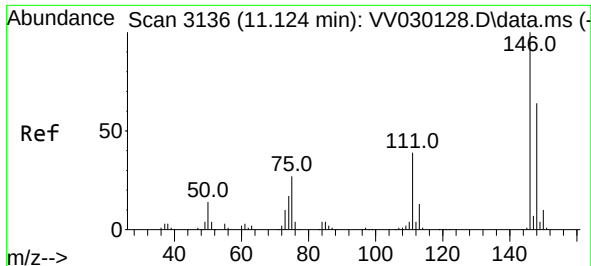
Tgt Ion:105 Resp: 172503  
 Ion Ratio Lower Upper  
 105 100  
 120 48.4 39.6 59.4



#63  
 1,2,4-Trimethylbenzene  
 Concen: 4.578 ug/L  
 RT: 10.860 min Scan# 3054  
 Delta R.T. -0.000 min  
 Lab File: VV030138.D  
 Acq: 03 Mar 2023 14:22

Tgt Ion:105 Resp: 183748  
 Ion Ratio Lower Upper  
 105 100  
 120 45.4 36.2 54.4

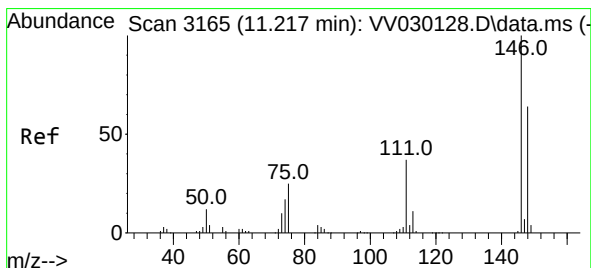
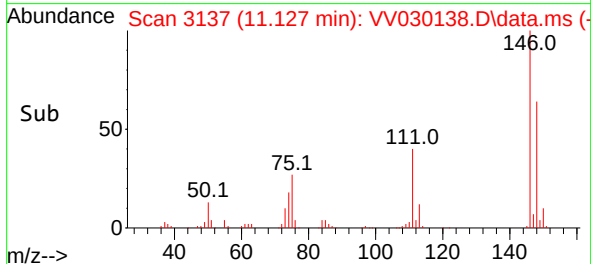
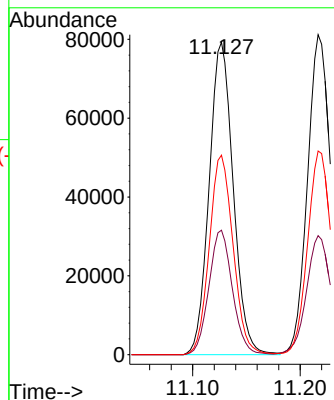
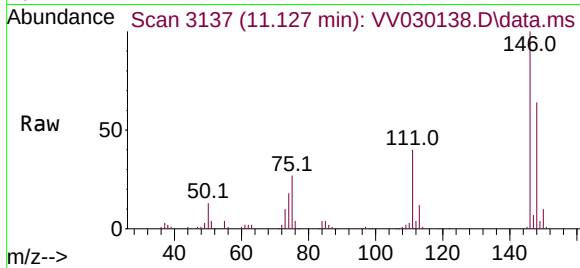




#64  
1,3-Dichlorobenzene  
Concen: 4.953 ug/L  
RT: 11.127 min Scan# 3136  
Delta R.T. 0.003 min  
Lab File: VV030138.D  
Acq: 03 Mar 2023 14:22

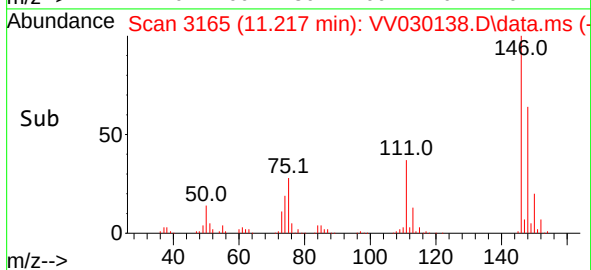
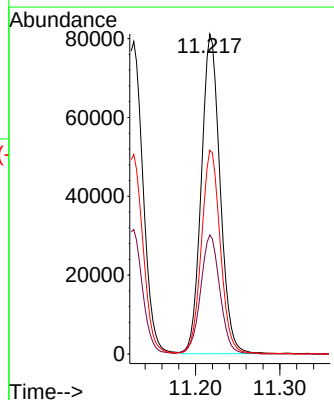
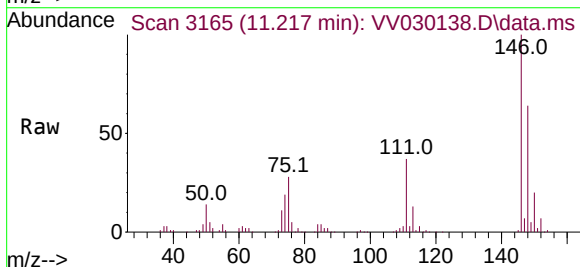
Instrument :  
MSVOA\_V  
ClientSampleId :  
DBYL5MS

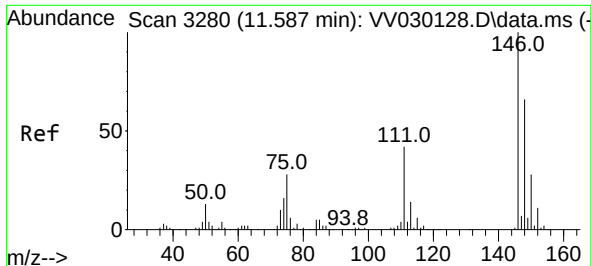
Tgt Ion:146 Resp: 123192  
Ion Ratio Lower Upper  
146 100  
111 39.8 27.7 51.5  
148 63.9 44.5 82.7



#65  
1,4-Dichlorobenzene  
Concen: 5.006 ug/L  
RT: 11.217 min Scan# 3165  
Delta R.T. -0.000 min  
Lab File: VV030138.D  
Acq: 03 Mar 2023 14:22

Tgt Ion:146 Resp: 125614  
Ion Ratio Lower Upper  
146 100  
111 37.2 27.4 51.0  
148 63.7 44.1 81.9





#67

1,2-Dichlorobenzene

Concen: 5.080 ug/L

RT: 11.590 min Scan# 31

Delta R.T. 0.003 min

Lab File: VV030138.D

Acq: 03 Mar 2023 14:22

Instrument :

MSVOA\_V

ClientSampleId :

DBYL5MS

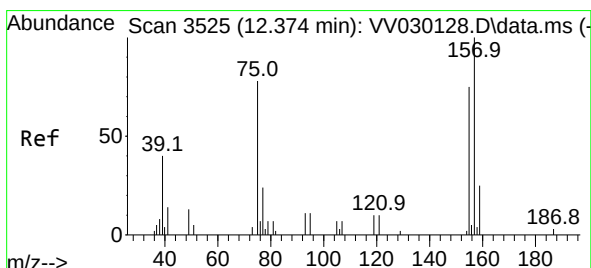
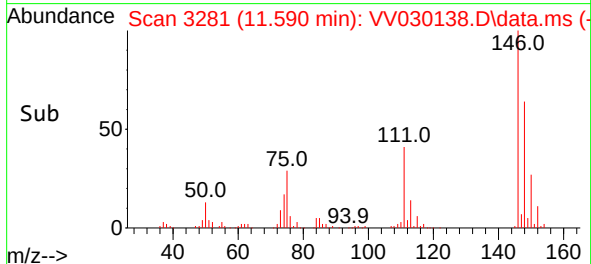
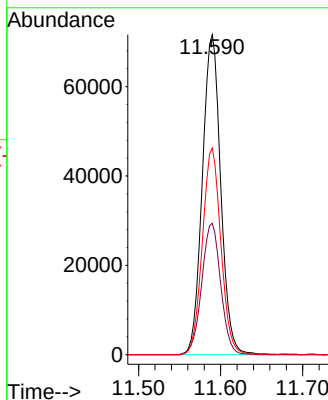
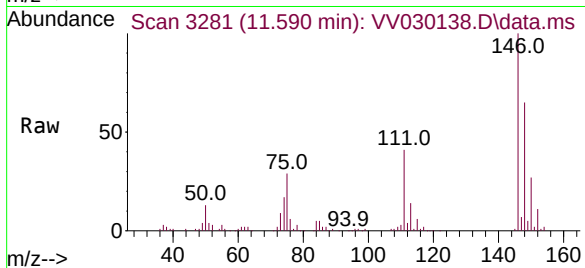
Tgt Ion:146 Resp: 111573

Ion Ratio Lower Upper

146 100

111 41.1 33.5 50.3

148 64.6 51.3 76.9



#68

1,2-Dibromo-3-chloropropane

Concen: 5.165 ug/L

RT: 12.374 min Scan# 3525

Delta R.T. -0.000 min

Lab File: VV030138.D

Acq: 03 Mar 2023 14:22

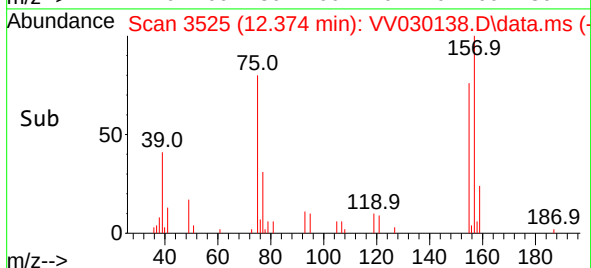
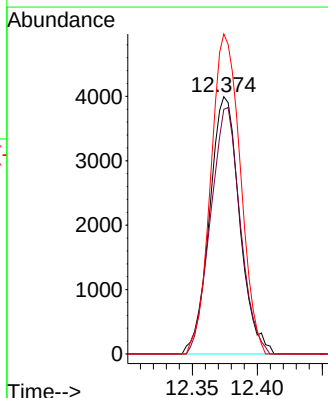
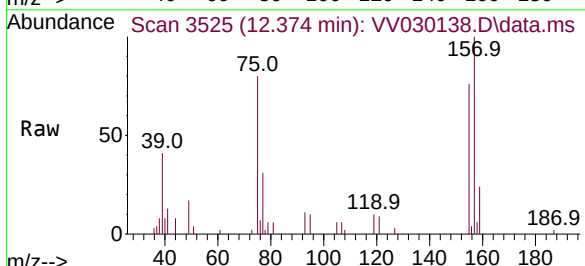
Tgt Ion: 75 Resp: 6409

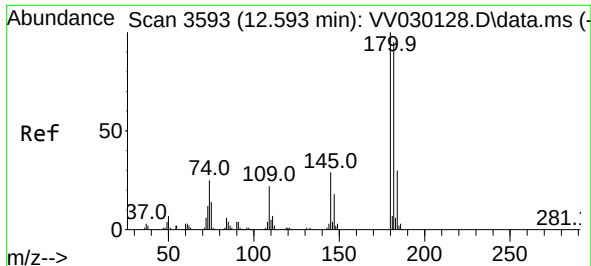
Ion Ratio Lower Upper

75 100

155 95.1 79.1 118.7

157 124.4 95.5 143.3





#69

1,3,5-Trichlorobenzene

Concen: 4.477 ug/L

RT: 12.593 min Scan# 3593

Delta R.T. -0.000 min

Lab File: VV030138.D

Acq: 03 Mar 2023 14:22

Instrument :

MSVOA\_V

ClientSampleId :

DBYL5MS

Tgt Ion:180 Resp: 91544

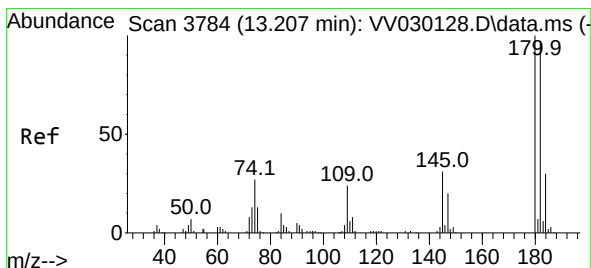
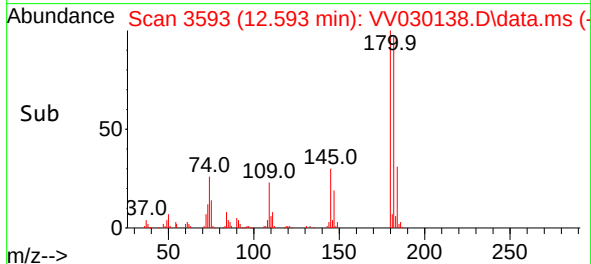
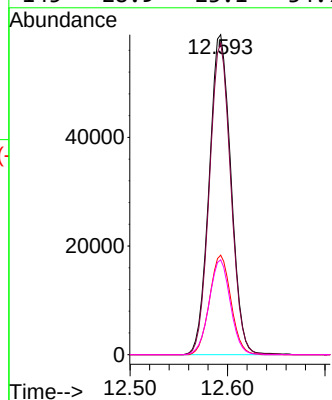
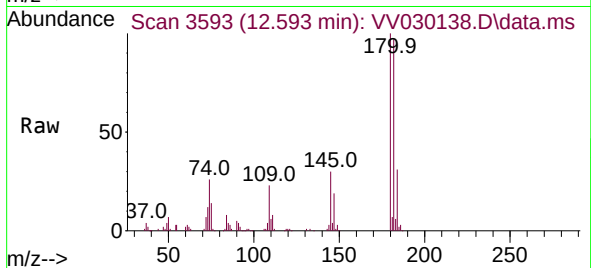
Ion Ratio Lower Upper

180 100

182 95.5 76.5 114.7

184 30.5 24.3 36.5

145 28.9 23.1 34.7



#70

1,2,4-trichlorobenzene

Concen: 4.288 ug/L

RT: 13.207 min Scan# 3784

Delta R.T. -0.000 min

Lab File: VV030138.D

Acq: 03 Mar 2023 14:22

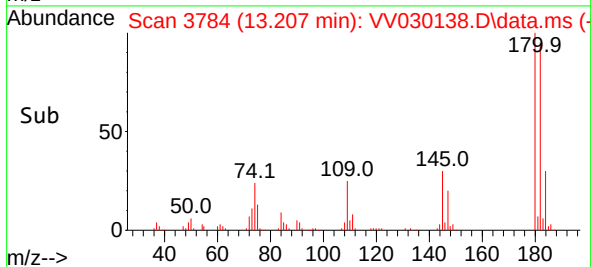
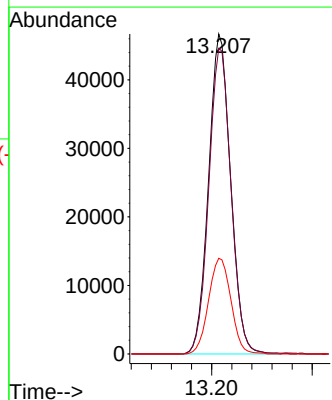
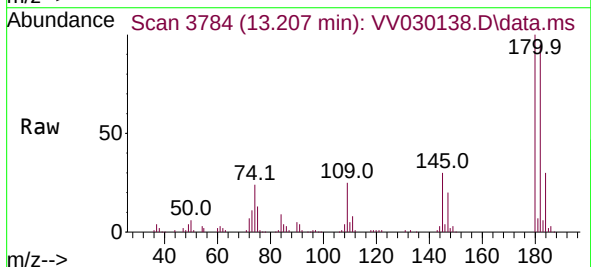
Tgt Ion:180 Resp: 71023

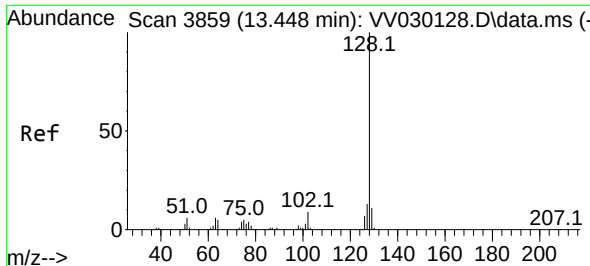
Ion Ratio Lower Upper

180 100

182 96.3 77.3 115.9

145 30.4 23.1 34.7

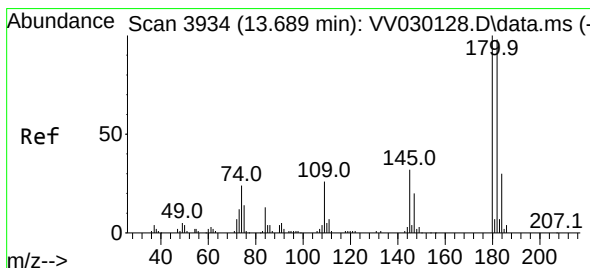
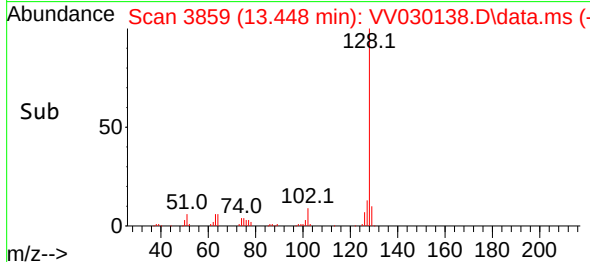
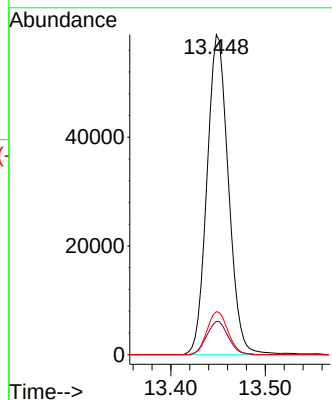
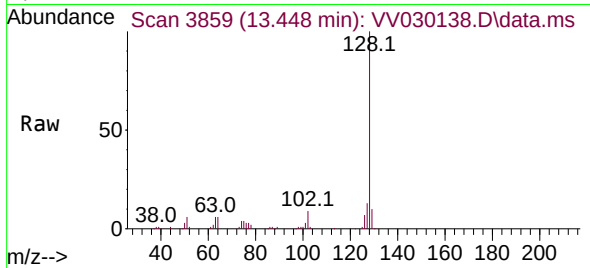




#71  
Naphthalene  
Concen: 4.288 ug/L  
RT: 13.448 min Scan# 3859  
Delta R.T. -0.000 min  
Lab File: VV030138.D  
Acq: 03 Mar 2023 14:22

Instrument :  
MSVOA\_V  
ClientSampleId :  
DBYL5MS

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:128 | Resp: | 92812     |
| Ion Ratio   | Lower | Upper     |
| 128         | 100   |           |
| 129         | 10.4  | 8.6 13.0  |
| 127         | 13.2  | 10.4 15.6 |



#72  
1,2,3-Trichlorobenzene  
Concen: 4.578 ug/L  
RT: 13.693 min Scan# 3935  
Delta R.T. 0.003 min  
Lab File: VV030138.D  
Acq: 03 Mar 2023 14:22

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:180 | Resp: | 62427      |
| Ion Ratio   | Lower | Upper      |
| 180         | 100   |            |
| 182         | 95.3  | 76.2 114.2 |
| 145         | 31.8  | 25.1 37.7  |

