

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW031523\  
 Data File : VW030215.D  
 Acq On : 15 Mar 2023 16:37  
 Operator : SY/MD  
 Sample : VSTDCCC005EC  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Mar 16 01:53:15 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR022323WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Thu Mar 16 01:47:11 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.545  | 114   | 194922   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.792  | 117   | 190224   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.194 | 152   | 119347   | 5.000    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.281  | 65    | 54596    | 4.329    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 86.600%  |
| 7) Chloroethane-d5            | 1.539  | 69    | 49310    | 4.165    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 83.200%  |
| 11) 1,1-Dichloroethene-d2     | 2.066  | 63    | 112670   | 4.345    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 87.000%  |
| 20) 2-Butanone-d5             | 3.818  | 46    | 97336    | 41.859   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 83.720%  |
| 24) Chloroform-d              | 4.262  | 84    | 113792   | 4.417    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 88.400%  |
| 26) 1,2-Dichloroethane-d4     | 4.953  | 65    | 46908    | 4.460    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 89.200%  |
| 32) Benzene-d6                | 4.973  | 84    | 211730   | 4.137    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 82.800%  |
| 36) 1,2-Dichloropropane-d6    | 5.998  | 67    | 63050    | 4.095    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 81.800%  |
| 41) Toluene-d8                | 7.252  | 98    | 209461   | 4.317    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 86.400%  |
| 43) trans-1,3-Dichloroprop... | 7.561  | 79    | 23196    | 4.403    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 88.000%  |
| 46) 2-Hexanone-d5             | 8.034  | 63    | 90387    | 41.470   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 82.940%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.162 | 84    | 49171    | 4.488    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 89.800%  |
| 66) 1,2-Dichlorobenzene-d4    | 11.570 | 152   | 81972    | 4.060    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 81.200%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.108  | 85    | 68687    | 4.331    | ug/L   | 100      |
| 3) Chloromethane              | 1.217  | 50    | 84921    | 3.398    | ug/L   | 100      |
| 5) Vinyl chloride             | 1.288  | 62    | 72335    | 4.355    | ug/L   | 100      |
| 6) Bromomethane               | 1.494  | 94    | 24932    | 8.363    | ug/L   | 97       |
| 8) Chloroethane               | 1.555  | 64    | 47180    | 4.662    | ug/L   | 100      |
| 9) Trichlorofluoromethane     | 1.719  | 101   | 117462   | 4.929    | ug/L   | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.076  | 101   | 72355    | 4.896    | ug/L   | 97       |
| 12) 1,1-Dichloroethene        | 2.076  | 96    | 63198    | 4.831    | ug/L   | 97       |
| 13) Acetone                   | 2.146  | 43    | 78328    | 45.574   | ug/L   | # 46     |
| 14) Carbon disulfide          | 2.249  | 76    | 138290   | 3.951    | ug/L   | 98       |
| 15) Methyl Acetate            | 2.391  | 43    | 17555    | 4.373    | ug/L   | # 90     |
| 16) Methylene chloride        | 2.455  | 84    | 63536    | 3.976    | ug/L   | 96       |
| 17) Methyl tert-butyl Ether   | 2.712  | 73    | 120415   | 4.707    | ug/L   | 100      |
| 18) trans-1,2-Dichloroethene  | 2.703  | 96    | 57059    | 4.585    | ug/L   | 99       |
| 19) 1,1-Dichloroethane        | 3.121  | 63    | 115186   | 4.969    | ug/L   | 99       |
| 21) 2-Butanone                | 3.899  | 43    | 113081   | 48.922   | ug/L   | 99       |
| 22) cis-1,2-Dichloroethene    | 3.825  | 96    | 65553    | 4.766    | ug/L   | 99       |
| 23) Bromochloromethane        | 4.159  | 128   | 32045    | 5.452    | ug/L   | 91       |
| 25) Chloroform                | 4.288  | 83    | 124662   | 5.170    | ug/L   | 99       |

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 Sample : VSTDCCC005EC  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Mar 16 01:53:15 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR022323WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Thu Mar 16 01:47:11 2023  
 Response via : Initial Calibration

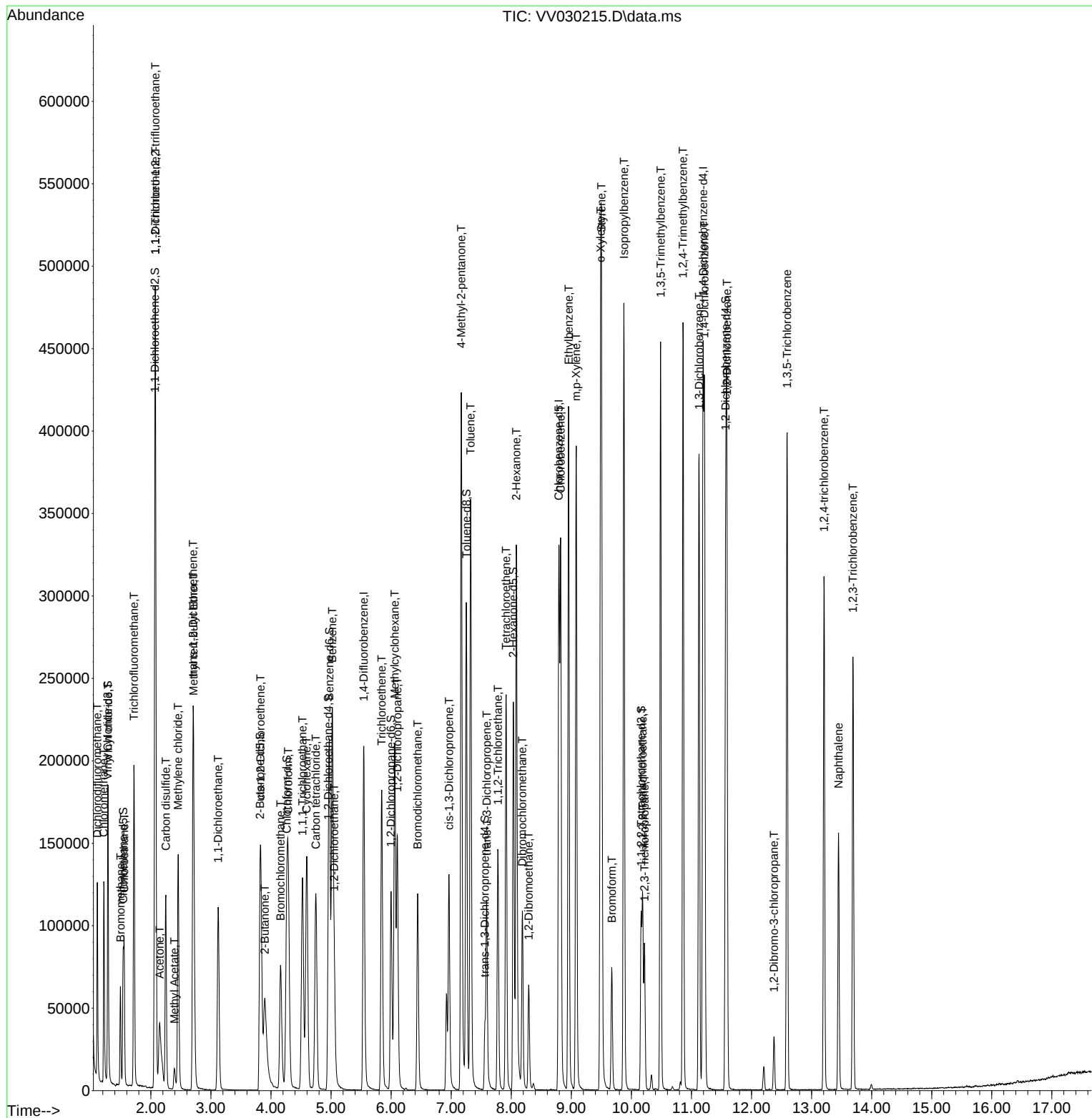
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.053  | 62   | 61618    | 4.885  | ug/L  | 99       |
| 29) 1,1,1-Trichloroethane     | 4.522  | 97   | 110196   | 4.931  | ug/L  | 98       |
| 30) Cyclohexane               | 4.593  | 56   | 75515    | 3.911  | ug/L  | 99       |
| 31) Carbon tetrachloride      | 4.748  | 117  | 97352    | 4.847  | ug/L  | 98       |
| 33) Benzene                   | 5.021  | 78   | 244444   | 4.705  | ug/L  | 100      |
| 34) Trichloroethene           | 5.844  | 95   | 66755    | 4.586  | ug/L  | 97       |
| 35) Methylcyclohexane         | 6.059  | 83   | 89100    | 4.044  | ug/L  | 99       |
| 37) 1,2-Dichloropropane       | 6.104  | 63   | 64909    | 4.911  | ug/L  | 99       |
| 38) Bromodichloromethane      | 6.442  | 83   | 85188    | 5.049  | ug/L  | 100      |
| 39) cis-1,3-Dichloropropene   | 6.963  | 75   | 86927    | 4.493  | ug/L  | 99       |
| 40) 4-Methyl-2-pentanone      | 7.169  | 43   | 272936   | 50.045 | ug/L  | 99       |
| 42) Toluene                   | 7.323  | 91   | 276493   | 4.914  | ug/L  | 100      |
| 44) trans-1,3-Dichloropropene | 7.590  | 75   | 72589    | 4.806  | ug/L  | 100      |
| 45) 1,1,2-Trichloroethane     | 7.776  | 97   | 47940    | 5.069  | ug/L  | 99       |
| 47) Tetrachloroethene         | 7.915  | 164  | 58409    | 4.674  | ug/L  | 97       |
| 48) 2-Hexanone                | 8.085  | 43   | 202480   | 51.860 | ug/L  | 99       |
| 49) Dibromochloromethane      | 8.185  | 129  | 57370    | 5.184  | ug/L  | 100      |
| 50) 1,2-Dibromoethane         | 8.291  | 107  | 44372    | 5.029  | ug/L  | 98       |
| 51) Chlorobenzene             | 8.821  | 112  | 185624   | 4.892  | ug/L  | 98       |
| 52) Ethylbenzene              | 8.956  | 91   | 290421   | 4.743  | ug/L  | 100      |
| 53) m,p-Xylene                | 9.082  | 106  | 114703   | 4.874  | ug/L  | 99       |
| 54) o-Xylene                  | 9.487  | 106  | 112289   | 4.995  | ug/L  | 97       |
| 55) Styrene                   | 9.503  | 104  | 195144   | 5.220  | ug/L  | 99       |
| 57) 1,1,2,2-Tetrachloroethane | 10.188 | 83   | 56244    | 5.317  | ug/L  | 100      |
| 59) Bromoform                 | 9.673  | 173  | 34693    | 4.850  | ug/L  | 99       |
| 60) Isopropylbenzene          | 9.876  | 105  | 305679   | 4.451  | ug/L  | 100      |
| 61) 1,2,3-Trichloropropane    | 10.220 | 75   | 37449    | 4.688  | ug/L  | 98       |
| 62) 1,3,5-Trimethylbenzene    | 10.487 | 105  | 243908   | 4.324  | ug/L  | 100      |
| 63) 1,2,4-Trimethylbenzene    | 10.860 | 105  | 258149   | 4.474  | ug/L  | 100      |
| 64) 1,3-Dichlorobenzene       | 11.127 | 146  | 166806   | 4.665  | ug/L  | 98       |
| 65) 1,4-Dichlorobenzene       | 11.217 | 146  | 169274   | 4.692  | ug/L  | 98       |
| 67) 1,2-Dichlorobenzene       | 11.590 | 146  | 151549   | 4.800  | ug/L  | 97       |
| 68) 1,2-Dibromo-3-chloropr... | 12.374 | 75   | 7903     | 4.430  | ug/L  | 97       |
| 69) 1,3,5-Trichlorobenzene    | 12.593 | 180  | 130739   | 4.448  | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.207 | 180  | 99232    | 4.167  | ug/L  | 99       |
| 71) Naphthalene               | 13.448 | 128  | 124689   | 4.007  | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 13.689 | 180  | 84287    | 4.300  | ug/L  | 98       |

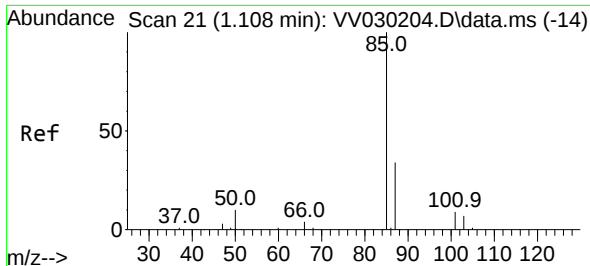
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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 Sample : VSTDCCC005EC  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Mar 16 01:53:15 2023  
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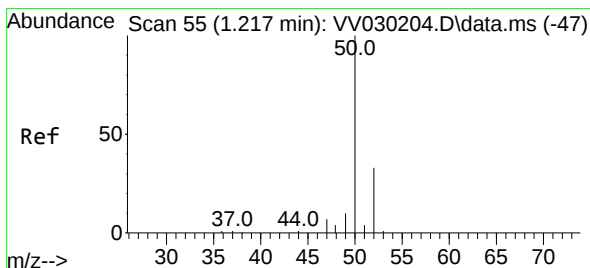
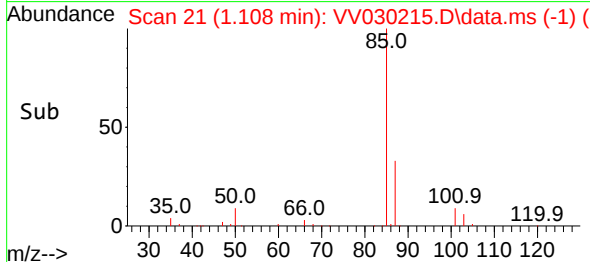
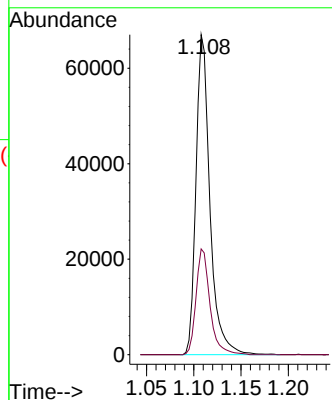
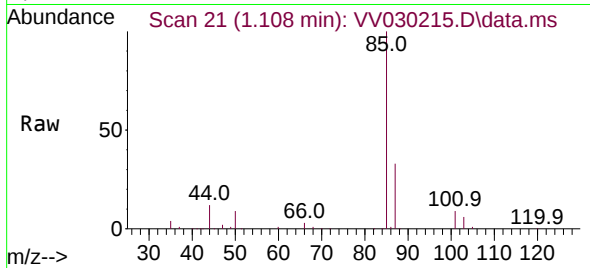




#2  
Dichlorodifluoromethane  
Concen: 4.331 ug/L  
RT: 1.108 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VV030215.D  
Acq: 15 Mar 2023 16:37

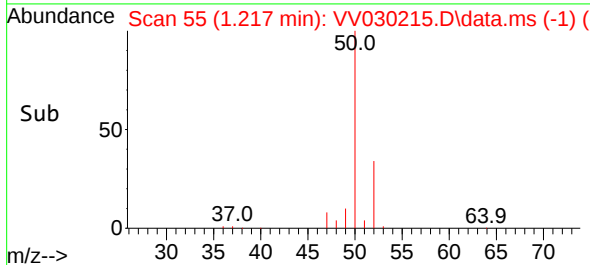
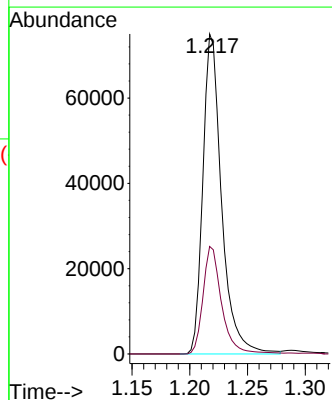
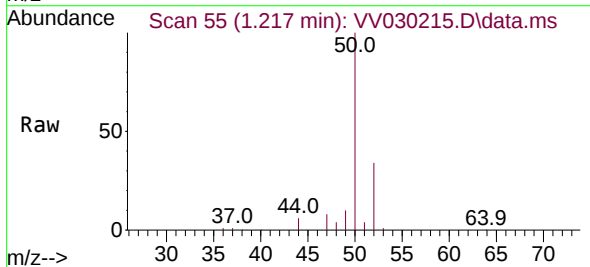
Instrument :  
MSVOA\_V  
ClientSampleId :

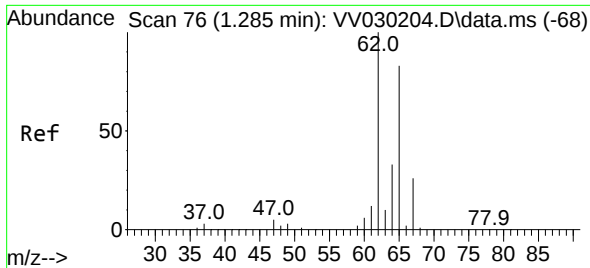
Tgt Ion: 85 Resp: 68687  
Ion Ratio Lower Upper  
85 100  
87 33.1 26.6 39.8



#3  
Chloromethane  
Concen: 3.398 ug/L  
RT: 1.217 min Scan# 55  
Delta R.T. -0.000 min  
Lab File: VV030215.D  
Acq: 15 Mar 2023 16:37

Tgt Ion: 50 Resp: 84921  
Ion Ratio Lower Upper  
50 100  
52 33.6 23.6 43.8

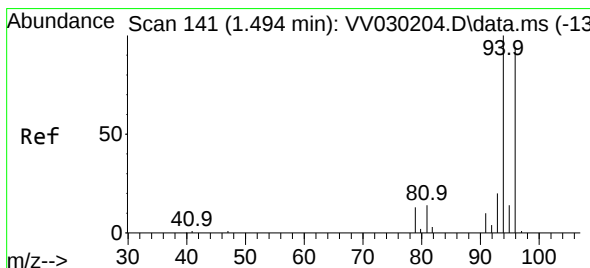
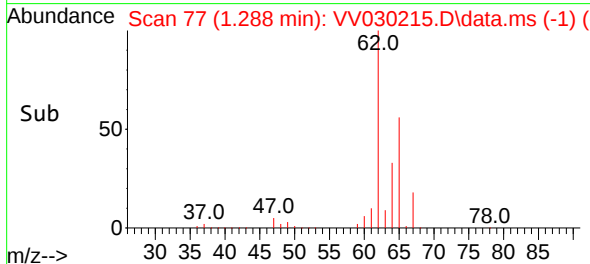
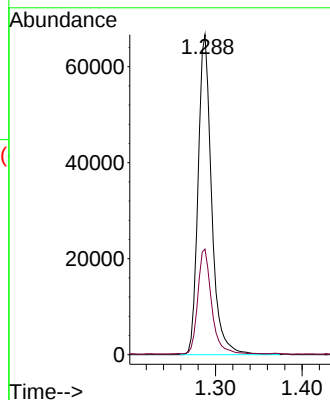
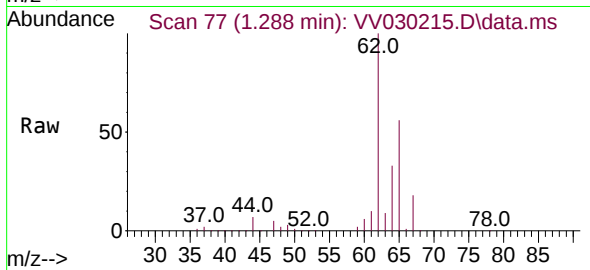




#5  
 Vinyl chloride  
 Concen: 4.355 ug/L  
 RT: 1.288 min Scan# 76  
 Delta R.T. 0.003 min  
 Lab File: VV030215.D  
 Acq: 15 Mar 2023 16:37

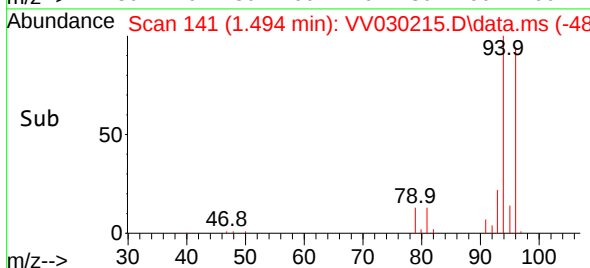
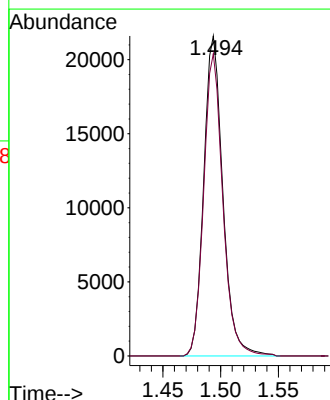
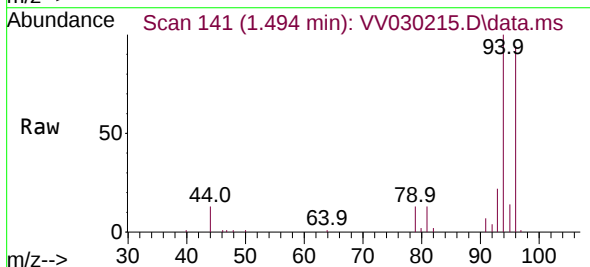
Instrument :  
 MSVOA\_V  
 ClientSampleId :

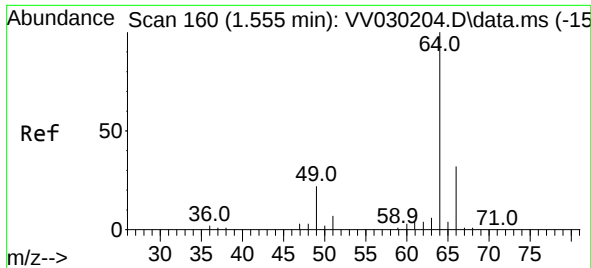
Tgt Ion: 62 Resp: 72335  
 Ion Ratio Lower Upper  
 62 100  
 64 33.0 23.1 42.9



#6  
 Bromomethane  
 Concen: 8.363 ug/L  
 RT: 1.494 min Scan# 141  
 Delta R.T. -0.000 min  
 Lab File: VV030215.D  
 Acq: 15 Mar 2023 16:37

Tgt Ion: 94 Resp: 24932  
 Ion Ratio Lower Upper  
 94 100  
 96 94.4 68.4 127.0





#8

Chloroethane

Concen: 4.662 ug/L

RT: 1.555 min Scan# 1

Delta R.T. -0.000 min

Lab File: VV030215.D

Acq: 15 Mar 2023 16:37

Instrument :

MSVOA\_V

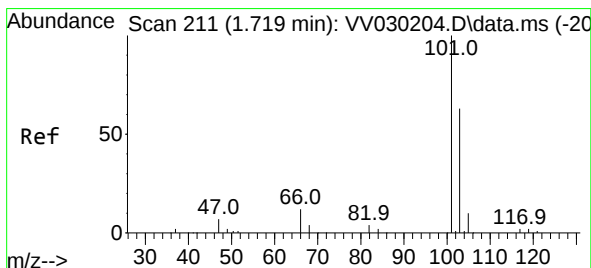
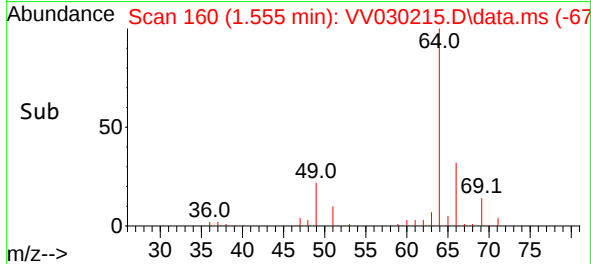
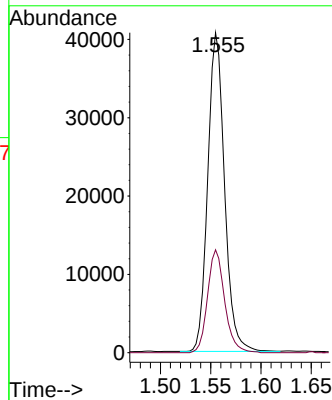
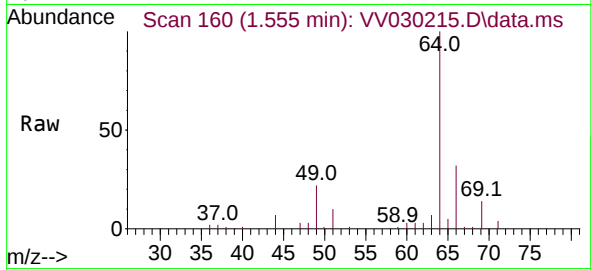
ClientSampleId :

Tgt Ion: 64 Resp: 47180

Ion Ratio Lower Upper

64 100

66 32.2 22.4 41.6



#9

Trichlorofluoromethane

Concen: 4.929 ug/L

RT: 1.719 min Scan# 211

Delta R.T. -0.000 min

Lab File: VV030215.D

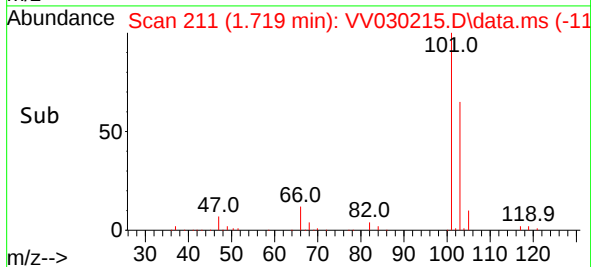
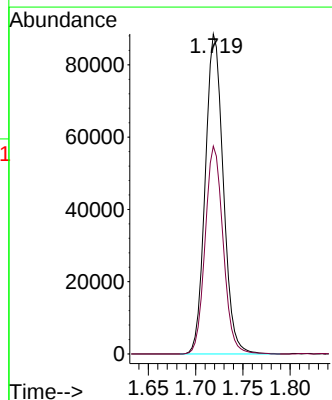
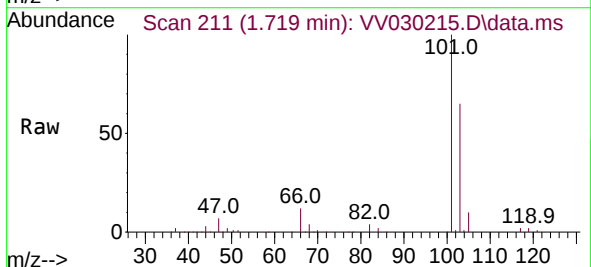
Acq: 15 Mar 2023 16:37

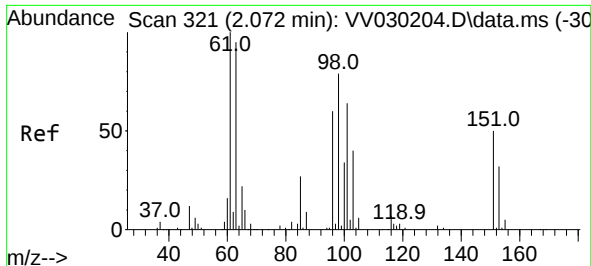
Tgt Ion:101 Resp: 117462

Ion Ratio Lower Upper

101 100

103 64.8 52.7 79.1

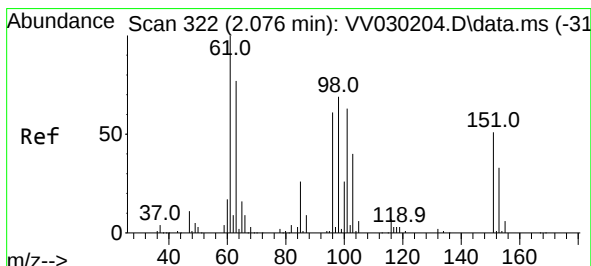
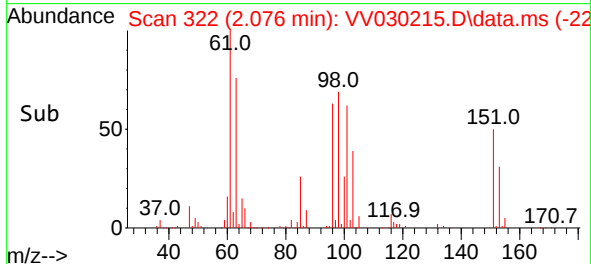
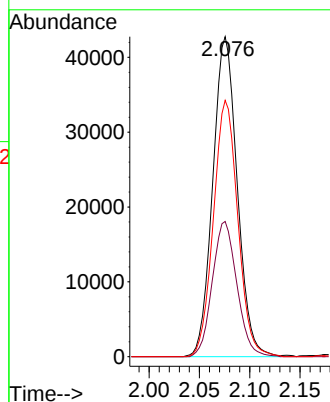
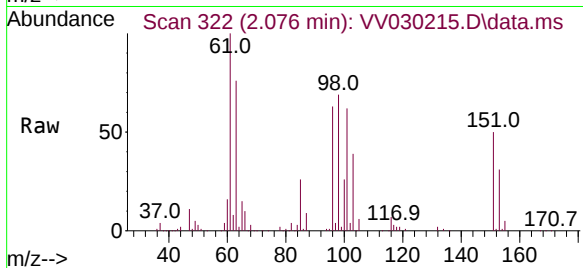




#10  
1,1,2-Trichloro-1,2,2-trifluoroethane  
Concen: 4.896 ug/L  
RT: 2.076 min Scan# 311  
Delta R.T. 0.003 min  
Lab File: VV030215.D  
Acq: 15 Mar 2023 16:37

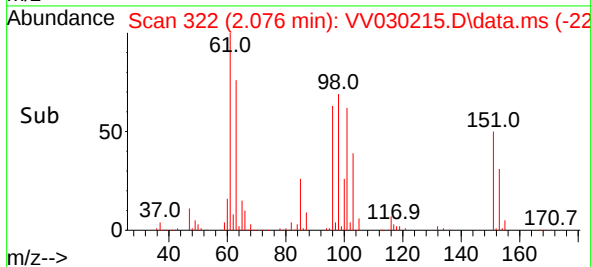
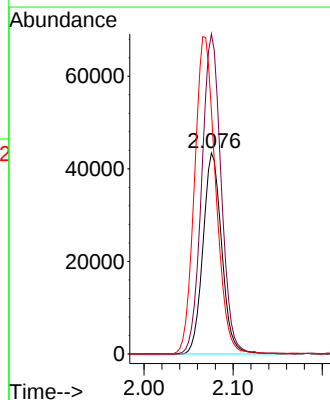
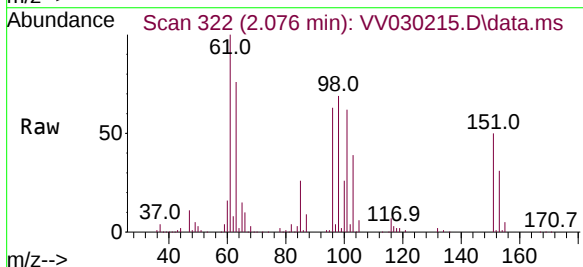
Instrument :  
MSVOA\_V  
ClientSampleId :

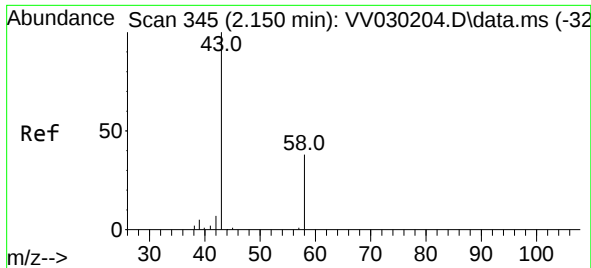
Tgt Ion:101 Resp: 72355  
Ion Ratio Lower Upper  
101 100  
85 42.4 33.5 50.3  
151 80.0 61.6 92.4



#12  
1,1-Dichloroethene  
Concen: 4.831 ug/L  
RT: 2.076 min Scan# 322  
Delta R.T. -0.000 min  
Lab File: VV030215.D  
Acq: 15 Mar 2023 16:37

Tgt Ion: 96 Resp: 63198  
Ion Ratio Lower Upper  
96 100  
61 159.3 115.6 214.6  
63 121.3 85.6 159.0





#13

Acetone

Concen: 45.574 ug/L

RT: 2.146 min Scan# 34

Delta R.T. -0.003 min

Lab File: VV030215.D

Acq: 15 Mar 2023 16:37

Instrument :

MSVOA\_V

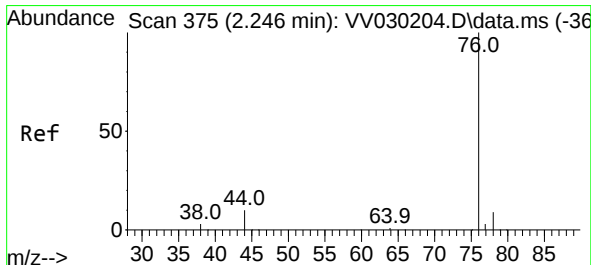
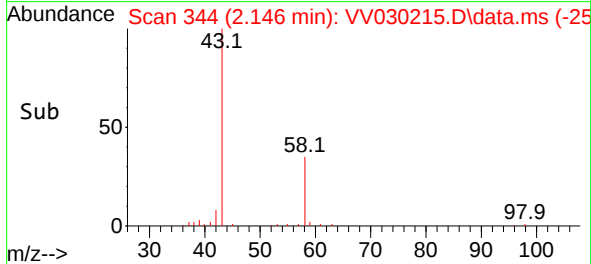
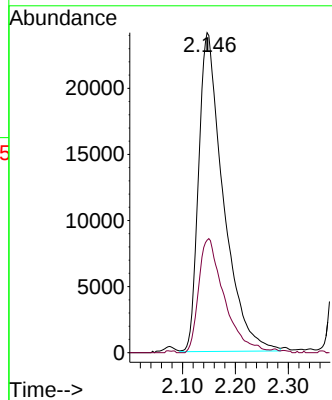
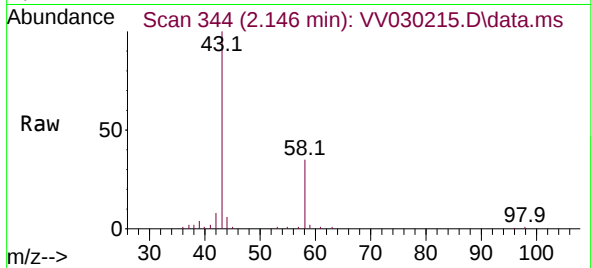
ClientSampleId :

Tgt Ion: 43 Resp: 78328

Ion Ratio Lower Upper

43 100

58 37.1 0.0 29.4#



#14

Carbon disulfide

Concen: 3.951 ug/L

RT: 2.249 min Scan# 376

Delta R.T. 0.003 min

Lab File: VV030215.D

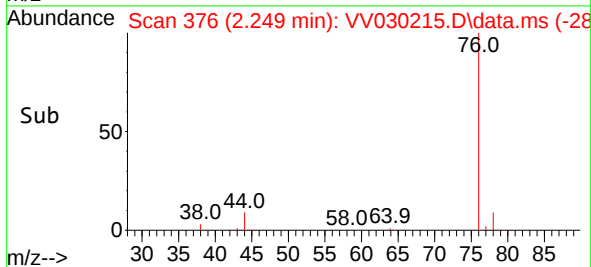
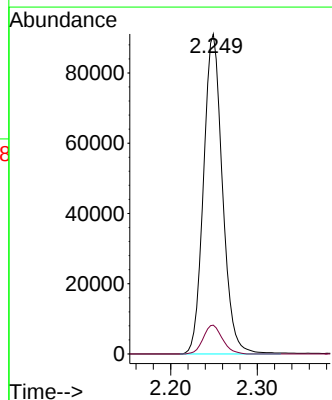
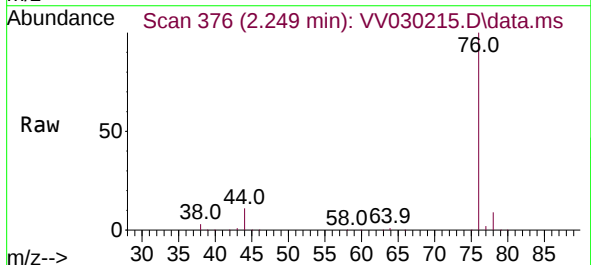
Acq: 15 Mar 2023 16:37

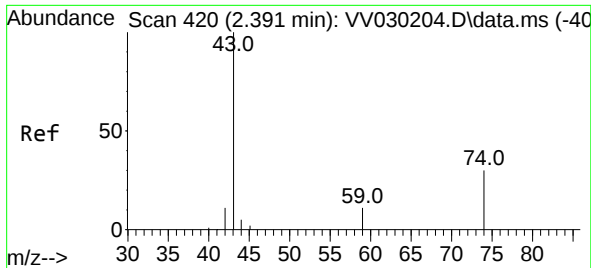
Tgt Ion: 76 Resp: 138290

Ion Ratio Lower Upper

76 100

78 9.0 7.7 11.5

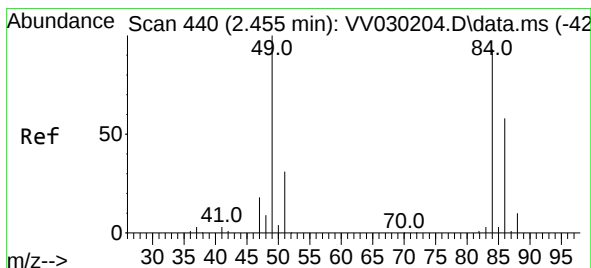
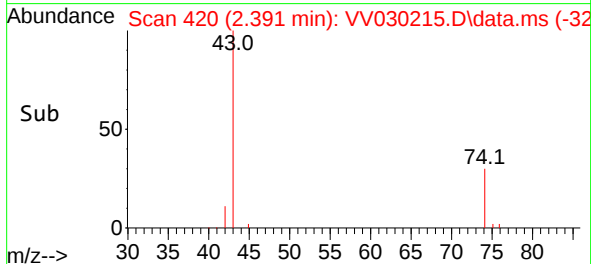
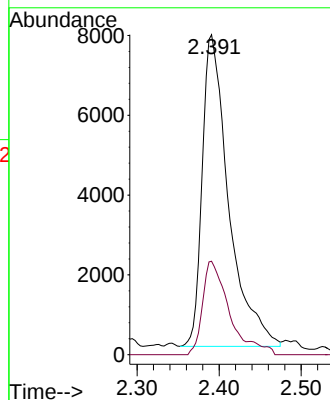
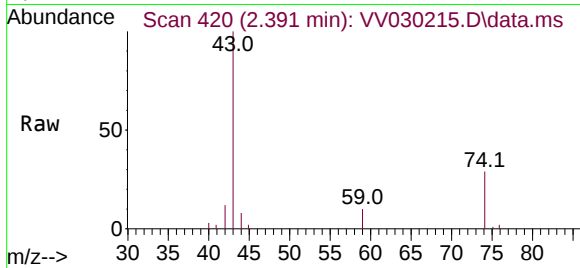




#15  
Methyl Acetate  
Concen: 4.373 ug/L  
RT: 2.391 min Scan# 41  
Delta R.T. -0.000 min  
Lab File: VV030215.D  
Acq: 15 Mar 2023 16:37

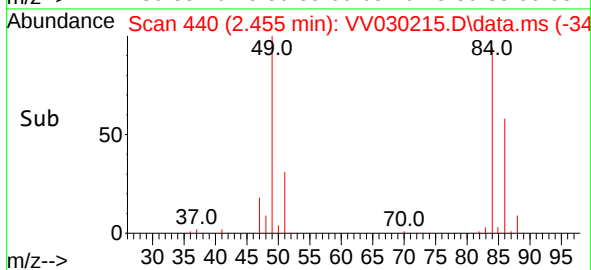
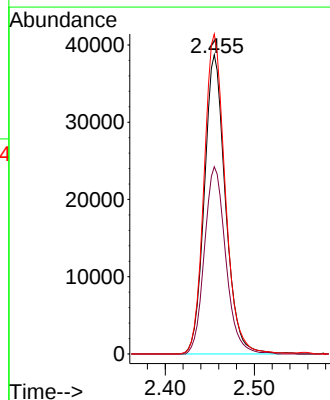
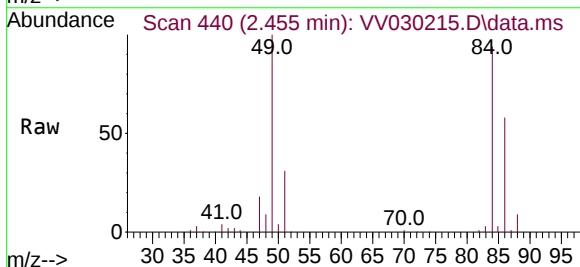
Instrument :  
MSVOA\_V  
ClientSampleId :

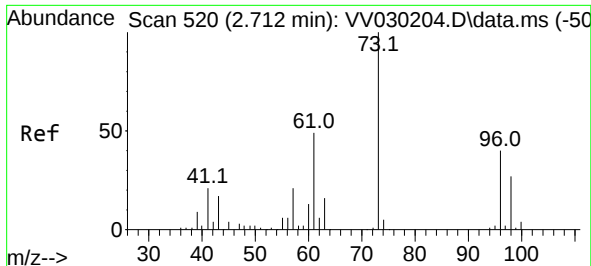
Tgt Ion: 43 Resp: 17555  
Ion Ratio Lower Upper  
43 100  
74 30.2 20.1 30.1#



#16  
Methylene chloride  
Concen: 3.976 ug/L  
RT: 2.455 min Scan# 440  
Delta R.T. -0.000 min  
Lab File: VV030215.D  
Acq: 15 Mar 2023 16:37

Tgt Ion: 84 Resp: 63536  
Ion Ratio Lower Upper  
84 100  
86 62.5 44.7 83.1  
49 106.9 78.8 146.3





#17

Methyl tert-butyl Ether

Concen: 4.707 ug/L

RT: 2.712 min Scan# 517

Delta R.T. -0.000 min

Lab File: VV030215.D

Acq: 15 Mar 2023 16:37

Instrument :

MSVOA\_V

ClientSampleId :

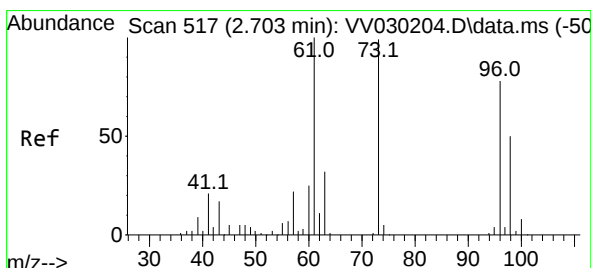
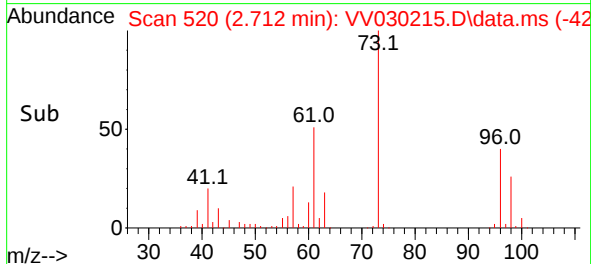
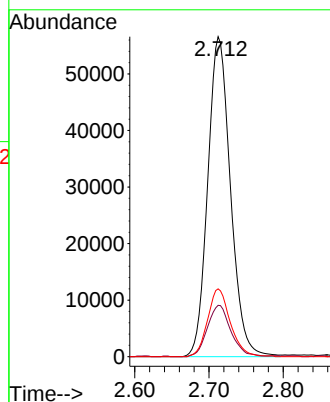
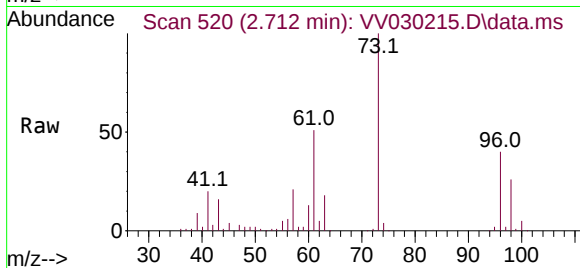
Tgt Ion: 73 Resp: 120415

Ion Ratio Lower Upper

73 100

43 16.6 13.4 20.2

57 21.1 16.8 25.2



#18

trans-1,2-Dichloroethene

Concen: 4.585 ug/L

RT: 2.703 min Scan# 517

Delta R.T. -0.000 min

Lab File: VV030215.D

Acq: 15 Mar 2023 16:37

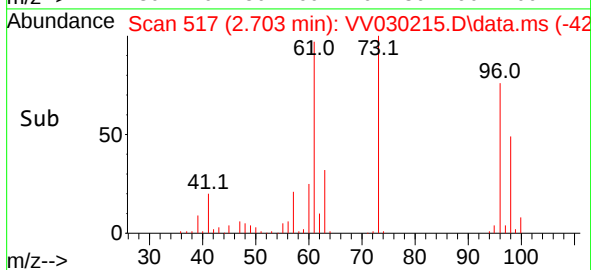
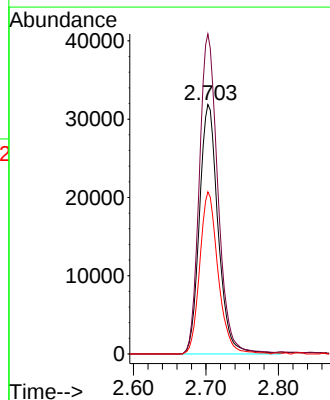
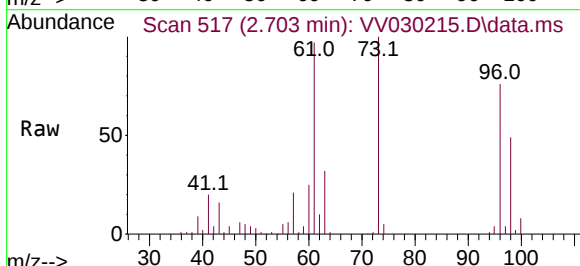
Tgt Ion: 96 Resp: 57059

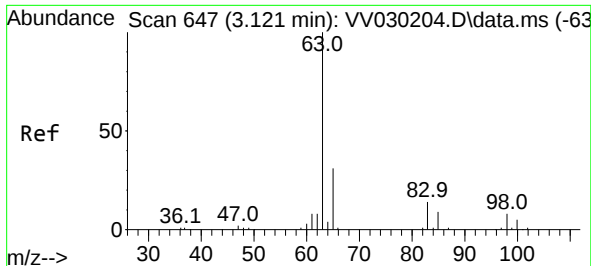
Ion Ratio Lower Upper

96 100

61 128.3 91.0 169.0

98 65.0 45.2 84.0





#19

1,1-Dichloroethane

Concen: 4.969 ug/L

RT: 3.121 min Scan# 64

Delta R.T. -0.000 min

Lab File: VV030215.D

Acq: 15 Mar 2023 16:37

Instrument :

MSVOA\_V

ClientSampleId :

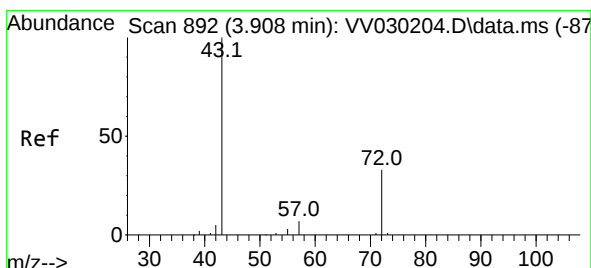
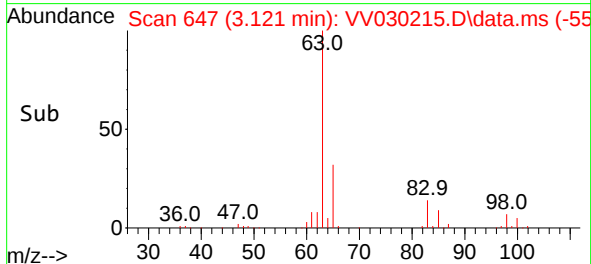
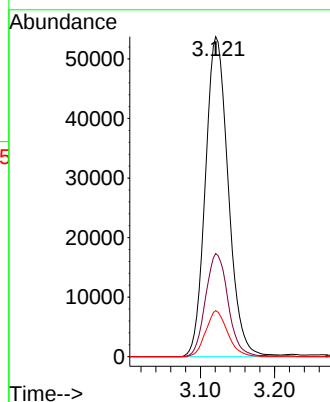
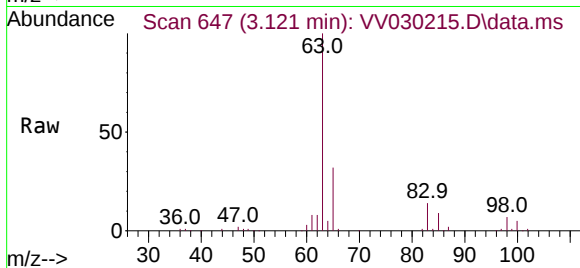
Tgt Ion: 63 Resp: 115186

Ion Ratio Lower Upper

63 100

65 32.2 23.0 42.8

83 14.4 9.6 17.8



#21

2-Butanone

Concen: 48.922 ug/L

RT: 3.899 min Scan# 889

Delta R.T. -0.010 min

Lab File: VV030215.D

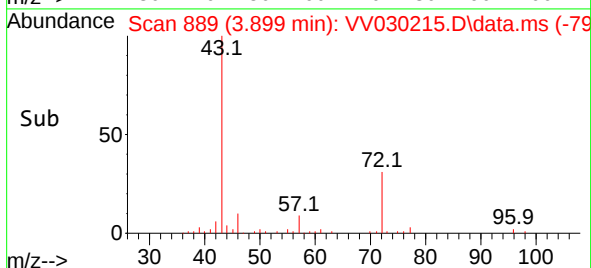
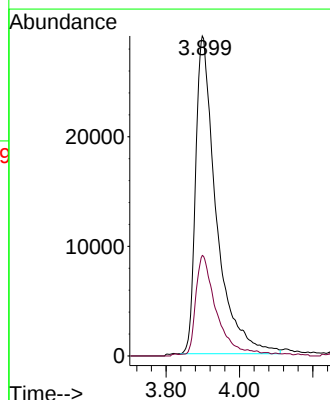
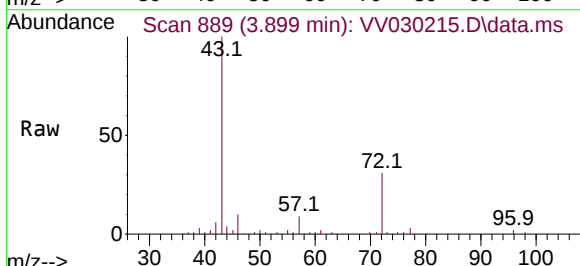
Acq: 15 Mar 2023 16:37

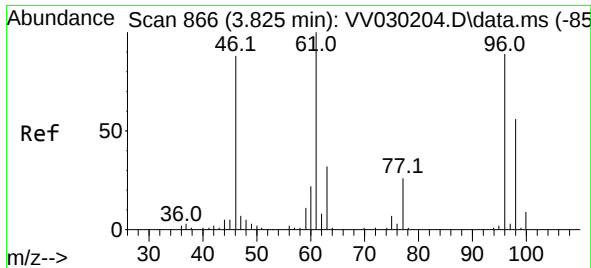
Tgt Ion: 43 Resp: 113081

Ion Ratio Lower Upper

43 100

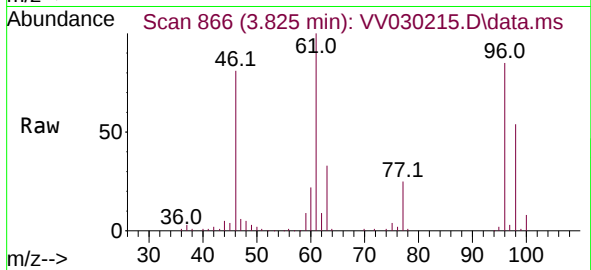
72 29.5 15.1 45.3



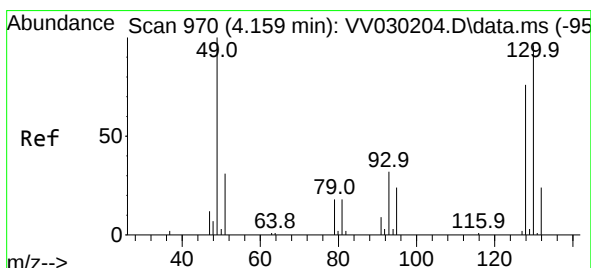
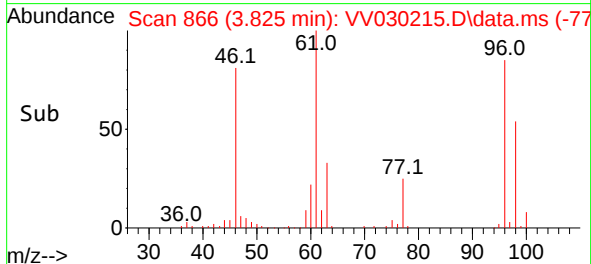
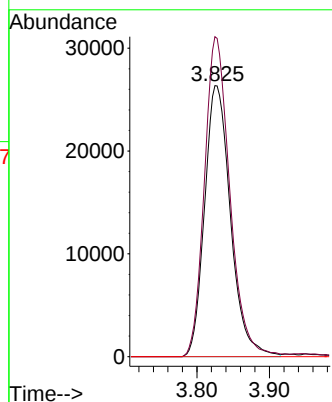


#22  
 cis-1,2-Dichloroethene  
 Concen: 4.766 ug/L  
 RT: 3.825 min Scan# 866  
 Delta R.T. -0.000 min  
 Lab File: VV030215.D  
 Acq: 15 Mar 2023 16:37

Instrument :  
 MSVOA\_V  
 ClientSampleId :

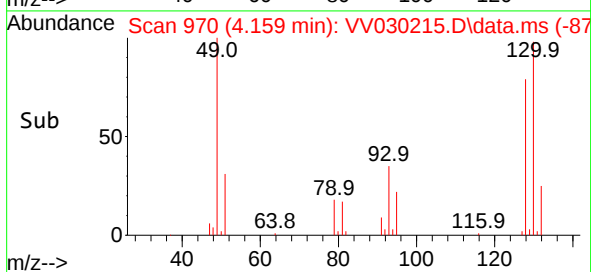
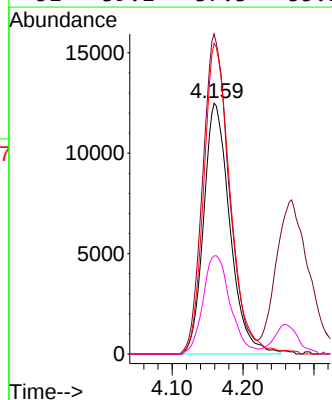
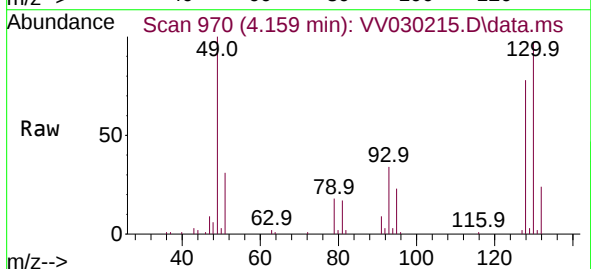


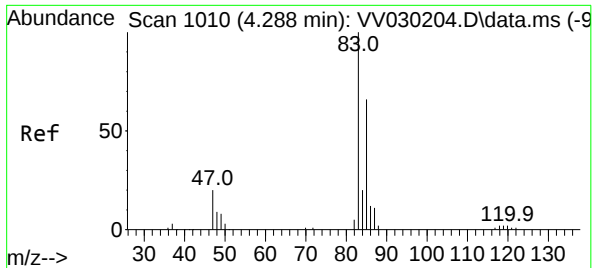
Tgt Ion: 96 Resp: 65553  
 Ion Ratio Lower Upper  
 96 100  
 61 118.1 83.4 154.8  
 68 0.0 0.0 0.0



#23  
 Bromochloromethane  
 Concen: 5.452 ug/L  
 RT: 4.159 min Scan# 970  
 Delta R.T. -0.000 min  
 Lab File: VV030215.D  
 Acq: 15 Mar 2023 16:37

Tgt Ion: 128 Resp: 32045  
 Ion Ratio Lower Upper  
 128 100  
 49 127.6 99.5 184.9  
 130 123.9 90.5 168.1  
 51 39.1 37.3 55.9

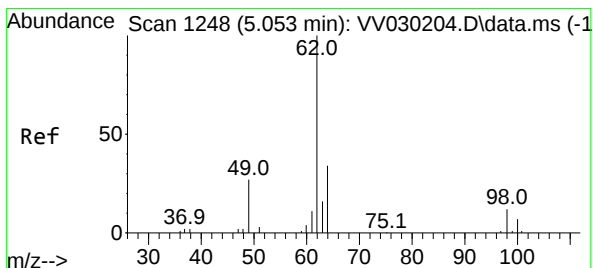
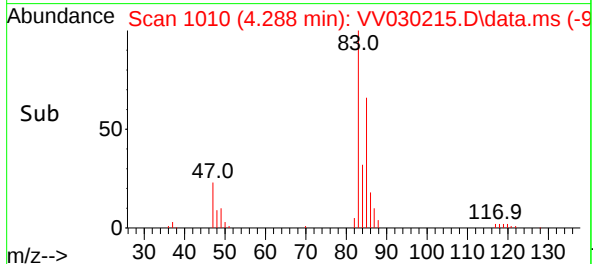
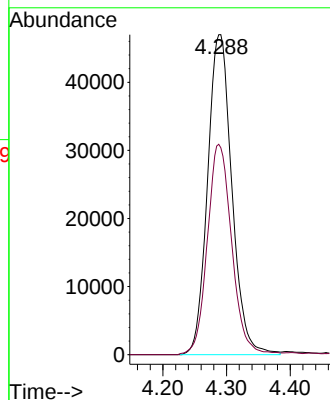
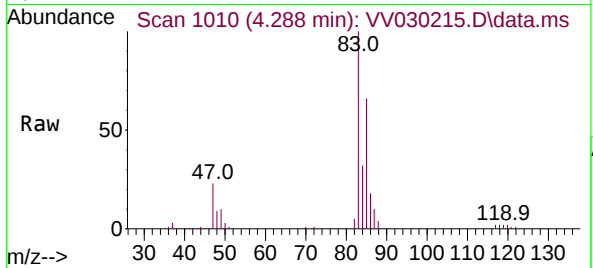




#25  
Chloroform  
Concen: 5.170 ug/L  
RT: 4.288 min Scan# 1010  
Delta R.T. -0.000 min  
Lab File: VV030215.D  
Acq: 15 Mar 2023 16:37

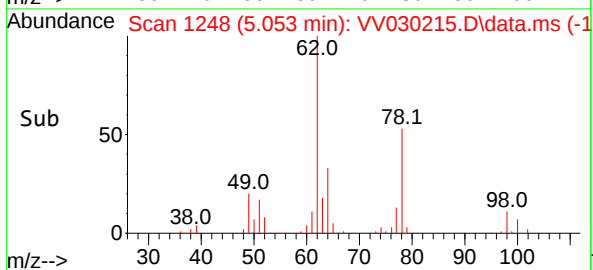
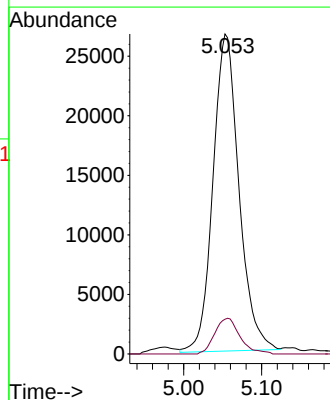
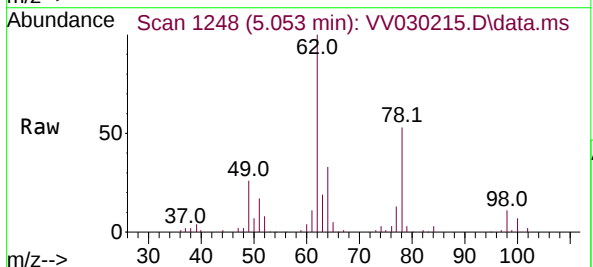
Instrument :  
MSVOA\_V  
ClientSampleId :

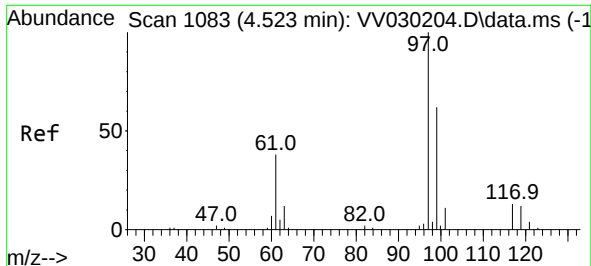
Tgt Ion: 83 Resp: 124662  
Ion Ratio Lower Upper  
83 100  
85 65.7 46.5 86.5



#27  
1,2-Dichloroethane  
Concen: 4.885 ug/L  
RT: 5.053 min Scan# 1248  
Delta R.T. -0.000 min  
Lab File: VV030215.D  
Acq: 15 Mar 2023 16:37

Tgt Ion: 62 Resp: 61618  
Ion Ratio Lower Upper  
62 100  
98 10.9 9.0 13.4





#29

1,1,1-Trichloroethane

Concen: 4.931 ug/L

RT: 4.522 min Scan# 110

Delta R.T. -0.000 min

Lab File: VV030215.D

Acq: 15 Mar 2023 16:37

Instrument :

MSVOA\_V

ClientSampleId :

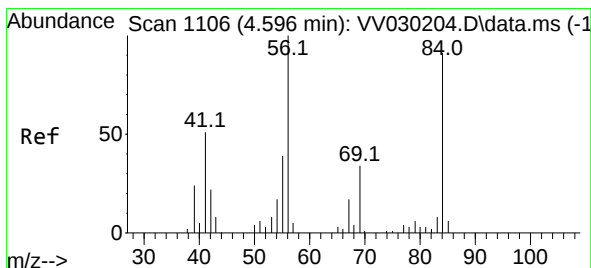
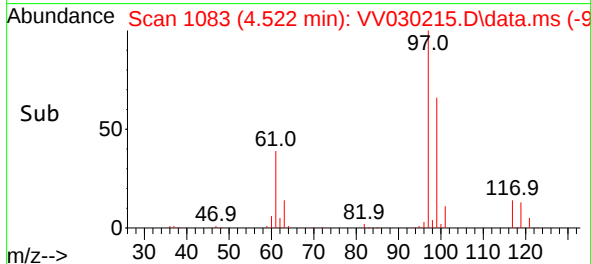
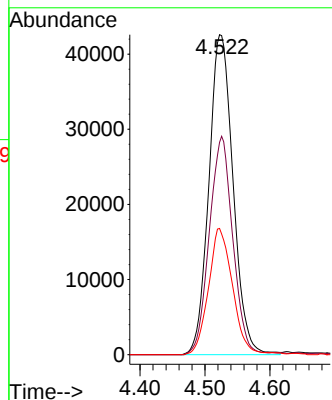
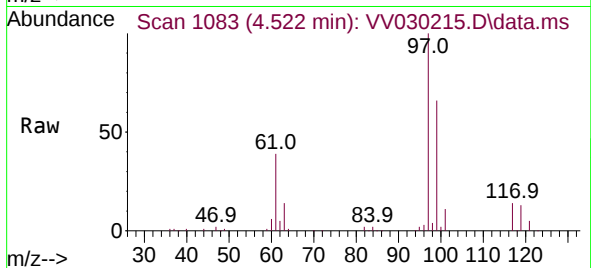
Tgt Ion: 97 Resp: 110196

Ion Ratio Lower Upper

97 100

99 66.2 51.3 76.9

61 39.0 31.5 47.3



#30

Cyclohexane

Concen: 3.911 ug/L

RT: 4.593 min Scan# 1105

Delta R.T. -0.003 min

Lab File: VV030215.D

Acq: 15 Mar 2023 16:37

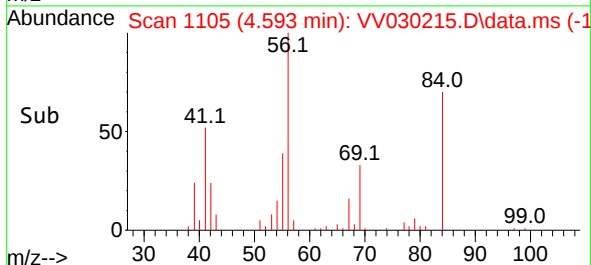
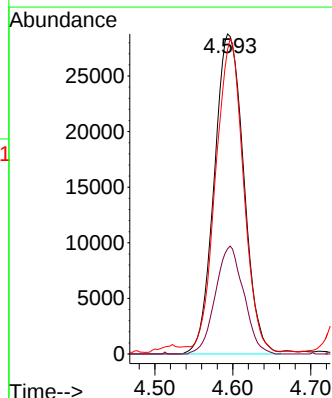
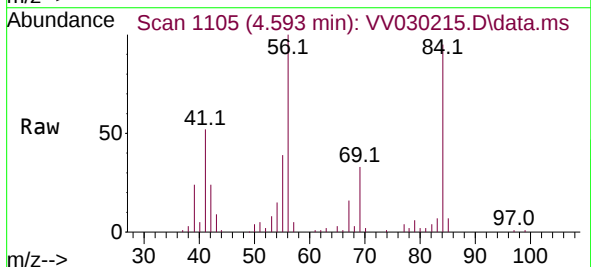
Tgt Ion: 56 Resp: 75515

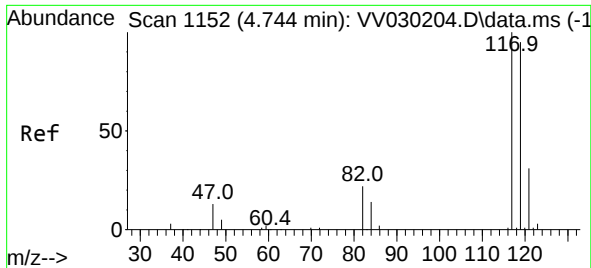
Ion Ratio Lower Upper

56 100

69 32.4 25.1 37.7

84 92.0 74.6 111.8

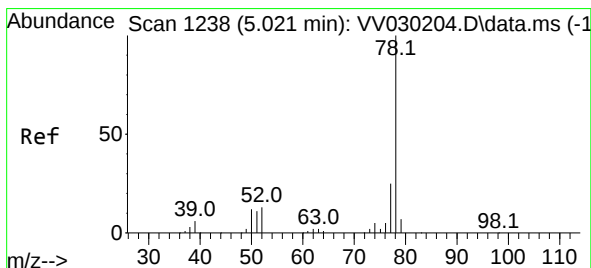
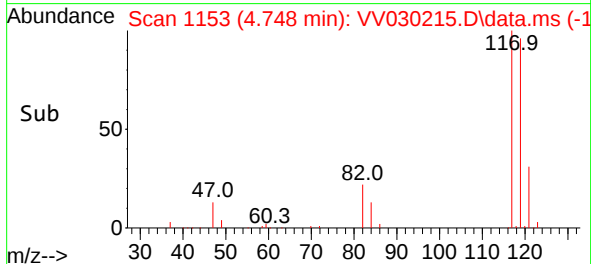
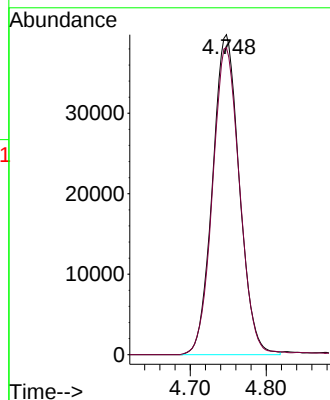
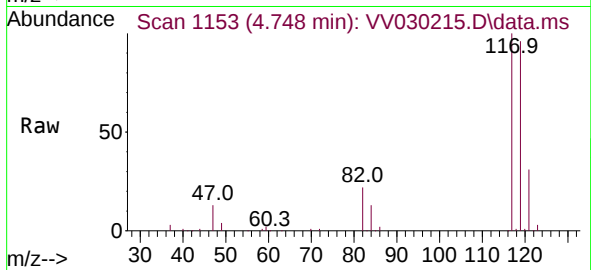




#31  
Carbon tetrachloride  
Concen: 4.847 ug/L  
RT: 4.748 min Scan# 1152  
Delta R.T. 0.003 min  
Lab File: VV030215.D  
Acq: 15 Mar 2023 16:37

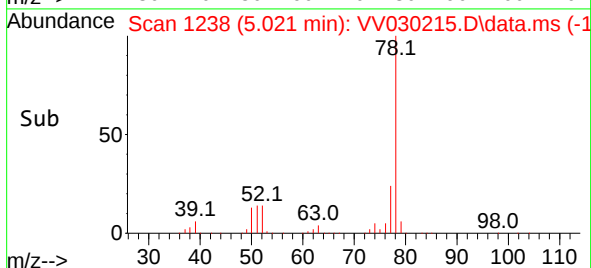
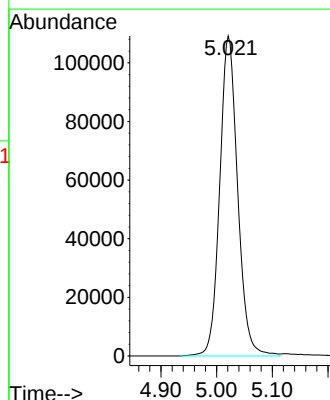
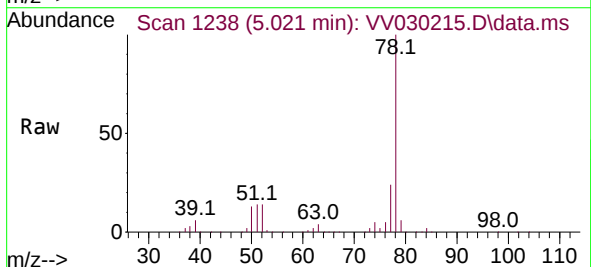
Instrument :  
MSVOA\_V  
ClientSampleId :

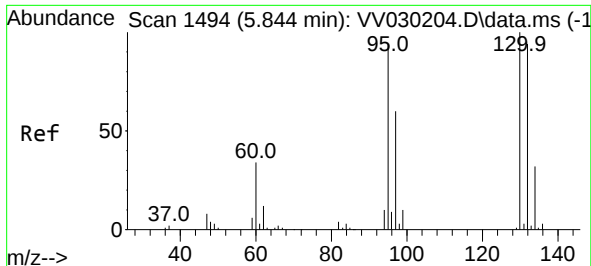
Tgt Ion:117 Resp: 97352  
Ion Ratio Lower Upper  
117 100  
119 97.0 76.1 114.1



#33  
Benzene  
Concen: 4.705 ug/L  
RT: 5.021 min Scan# 1238  
Delta R.T. -0.000 min  
Lab File: VV030215.D  
Acq: 15 Mar 2023 16:37

Tgt Ion: 78 Resp: 244444

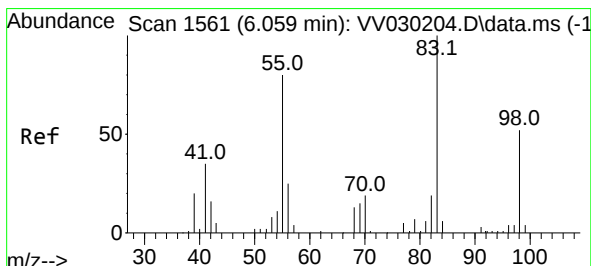
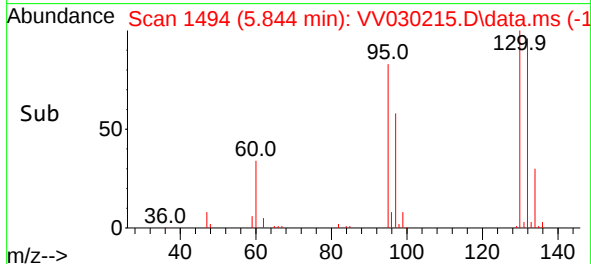
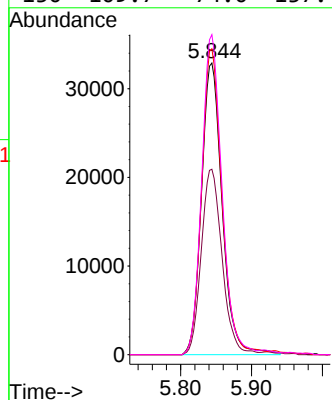
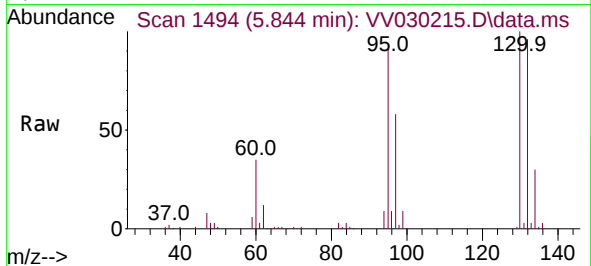




#34  
Trichloroethene  
Concen: 4.586 ug/L  
RT: 5.844 min Scan# 1494  
Delta R.T. -0.000 min  
Lab File: VV030215.D  
Acq: 15 Mar 2023 16:37

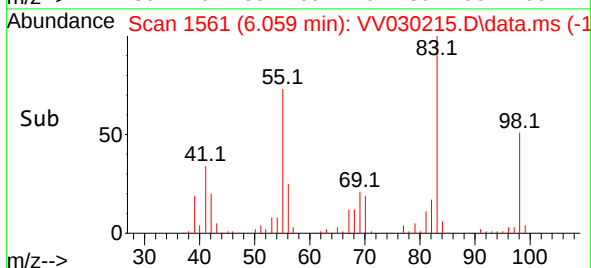
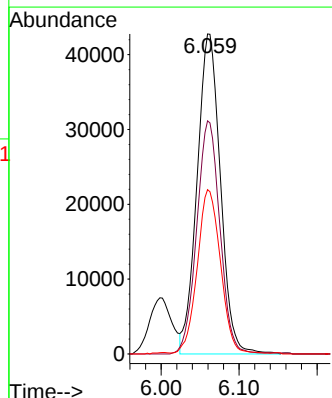
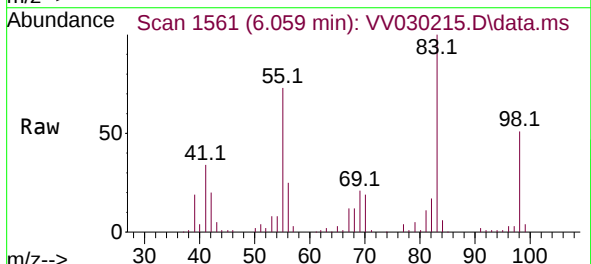
Instrument :  
MSVOA\_V  
ClientSampleId :

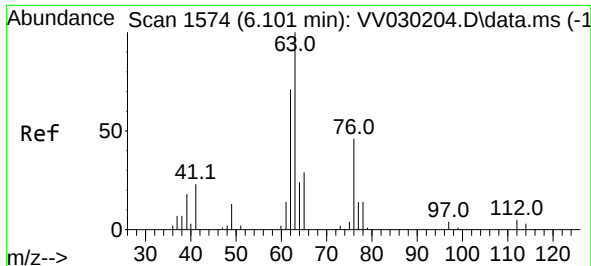
Tgt Ion: 95 Resp: 66755  
Ion Ratio Lower Upper  
95 100  
97 63.6 46.5 86.5  
132 104.9 71.7 133.3  
130 109.7 74.0 137.4



#35  
Methylcyclohexane  
Concen: 4.044 ug/L  
RT: 6.059 min Scan# 1561  
Delta R.T. -0.000 min  
Lab File: VV030215.D  
Acq: 15 Mar 2023 16:37

Tgt Ion: 83 Resp: 89100  
Ion Ratio Lower Upper  
83 100  
55 72.1 57.6 86.4  
98 50.4 38.8 58.2





#37

1,2-Dichloropropane

Concen: 4.911 ug/L

RT: 6.104 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV030215.D

Acq: 15 Mar 2023 16:37

Instrument :

MSVOA\_V

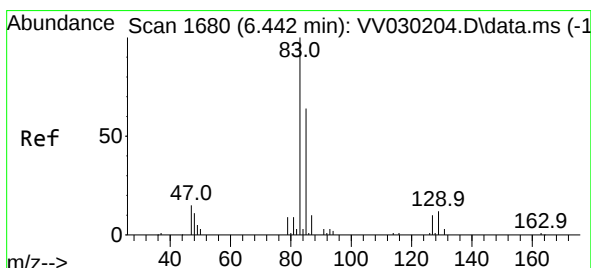
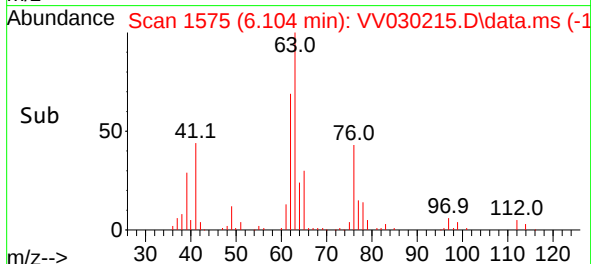
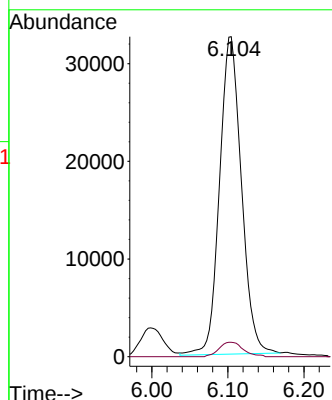
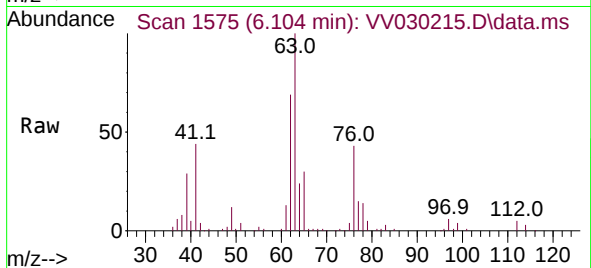
ClientSampleId :

Tgt Ion: 63 Resp: 64909

Ion Ratio Lower Upper

63 100

112 5.0 3.8 5.6



#38

Bromodichloromethane

Concen: 5.049 ug/L

RT: 6.442 min Scan# 1680

Delta R.T. -0.000 min

Lab File: VV030215.D

Acq: 15 Mar 2023 16:37

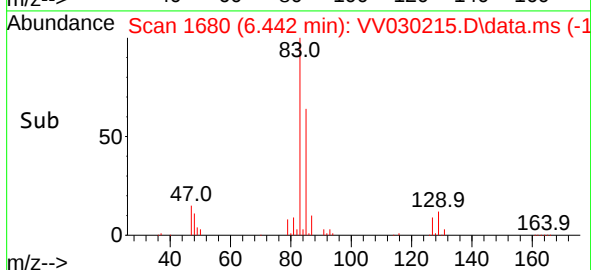
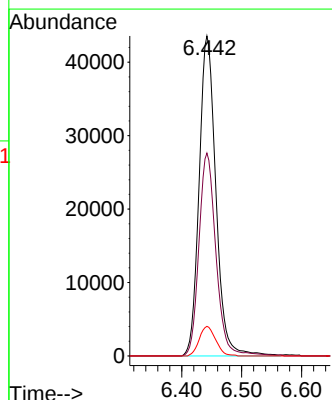
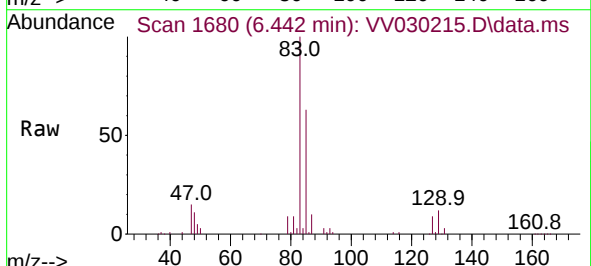
Tgt Ion: 83 Resp: 85188

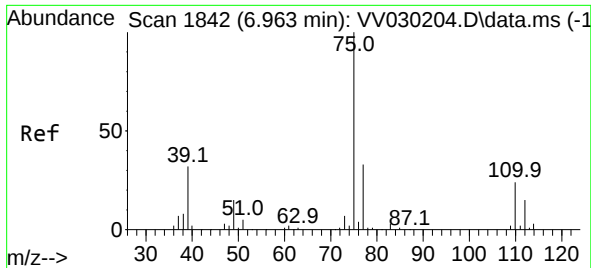
Ion Ratio Lower Upper

83 100

85 63.4 44.3 82.3

127 9.2 7.2 10.8

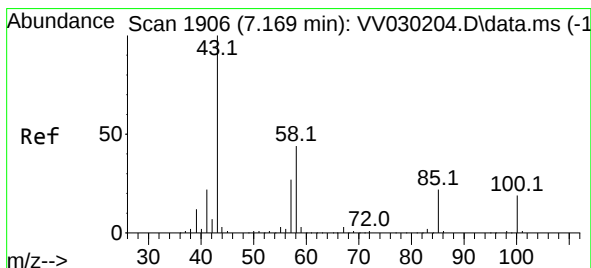
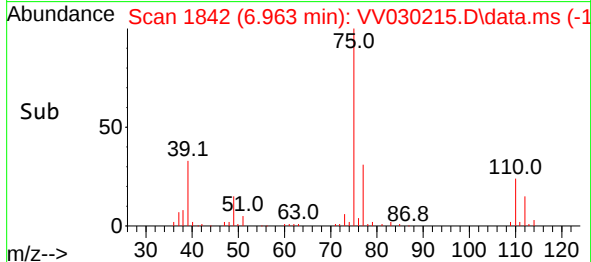
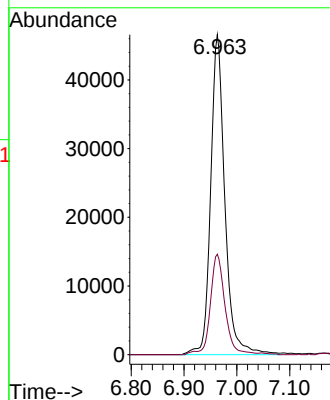
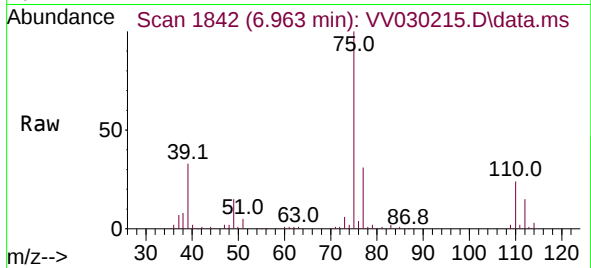




#39  
 cis-1,3-Dichloropropene  
 Concen: 4.493 ug/L  
 RT: 6.963 min Scan# 11  
 Delta R.T. -0.000 min  
 Lab File: VV030215.D  
 Acq: 15 Mar 2023 16:37

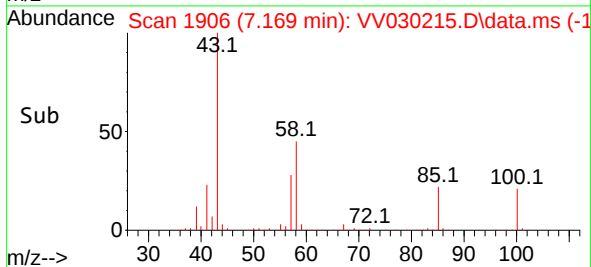
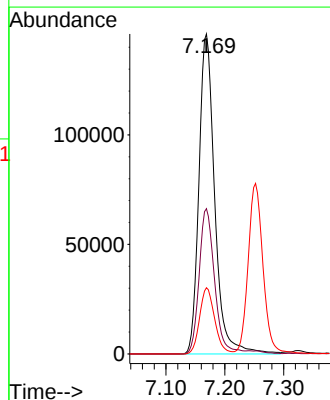
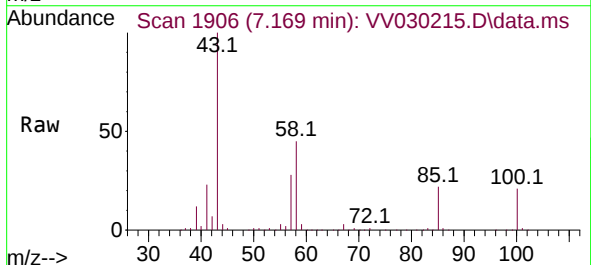
Instrument :  
 MSVOA\_V  
 ClientSampleId :

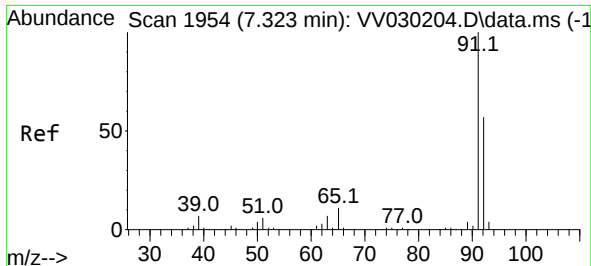
Tgt Ion: 75 Resp: 86927  
 Ion Ratio Lower Upper  
 75 100  
 77 31.4 22.3 41.3



#40  
 4-Methyl-2-pentanone  
 Concen: 50.045 ug/L  
 RT: 7.169 min Scan# 1906  
 Delta R.T. -0.000 min  
 Lab File: VV030215.D  
 Acq: 15 Mar 2023 16:37

Tgt Ion: 43 Resp: 272936  
 Ion Ratio Lower Upper  
 43 100  
 58 44.4 35.3 52.9  
 100 19.7 14.7 22.1





#42

Toluene

Concen: 4.914 ug/L

RT: 7.323 min Scan# 1954

Delta R.T. -0.000 min

Lab File: VV030215.D

Acq: 15 Mar 2023 16:37

Instrument :

MSVOA\_V

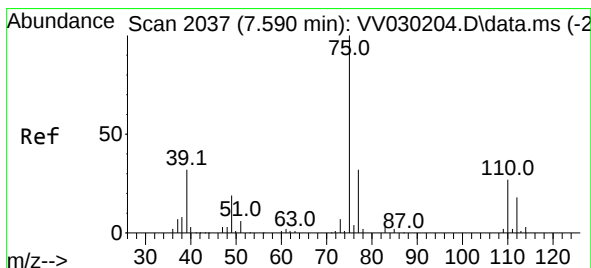
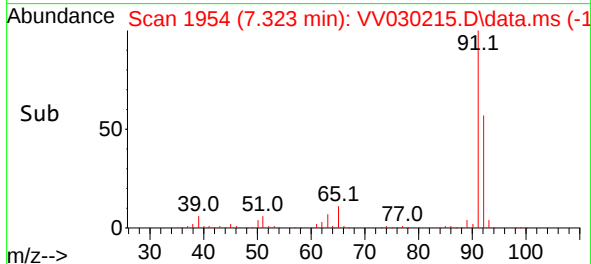
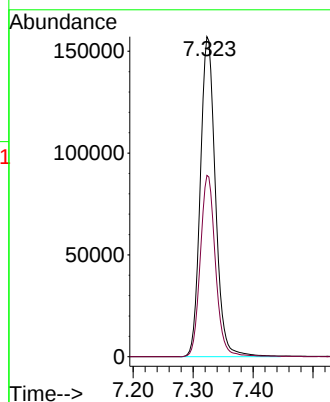
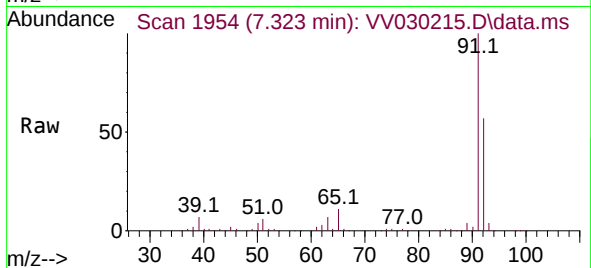
ClientSampleId :

Tgt Ion: 91 Resp: 276493

Ion Ratio Lower Upper

91 100

92 56.6 39.6 73.6



#44

trans-1,3-Dichloropropene

Concen: 4.806 ug/L

RT: 7.590 min Scan# 2037

Delta R.T. -0.000 min

Lab File: VV030215.D

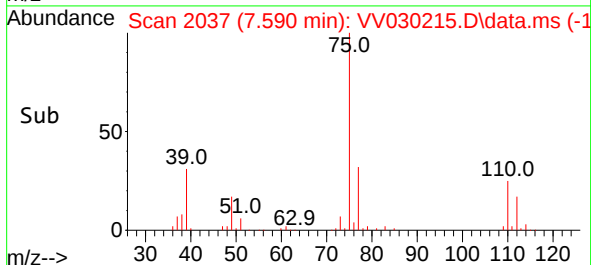
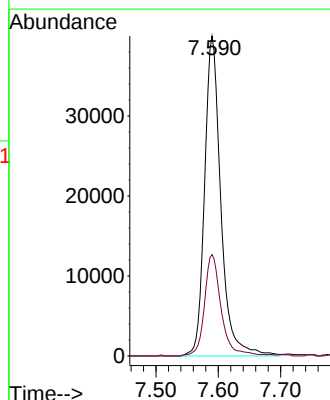
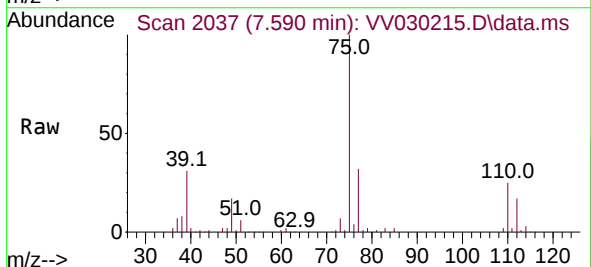
Acq: 15 Mar 2023 16:37

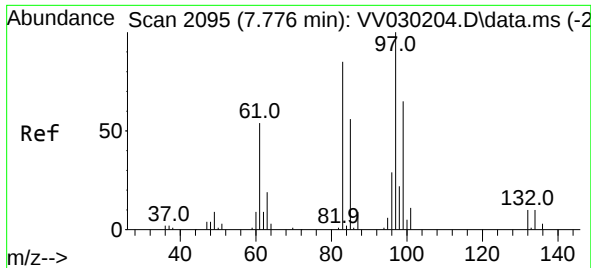
Tgt Ion: 75 Resp: 72589

Ion Ratio Lower Upper

75 100

77 31.7 22.1 41.1

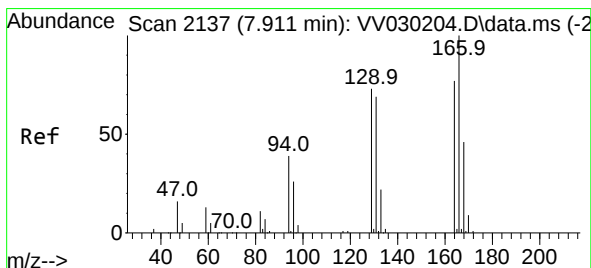
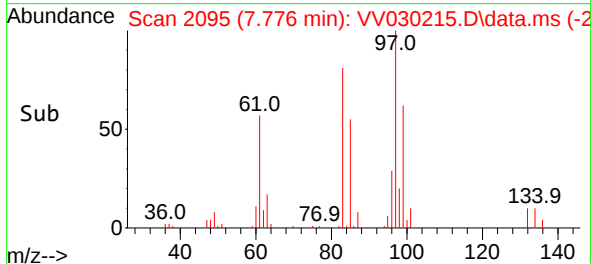
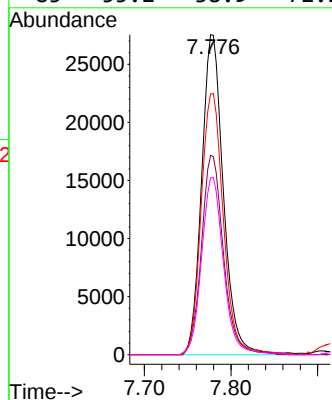
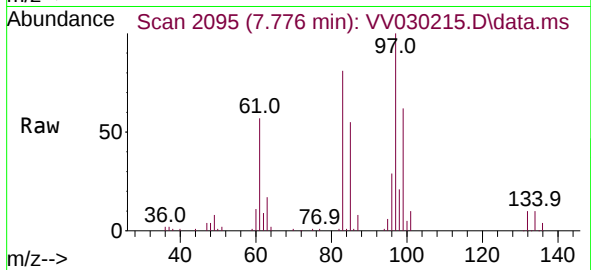




#45  
1,1,2-Trichloroethane  
Concen: 5.069 ug/L  
RT: 7.776 min Scan# 2095  
Delta R.T. -0.000 min  
Lab File: VV030215.D  
Acq: 15 Mar 2023 16:37

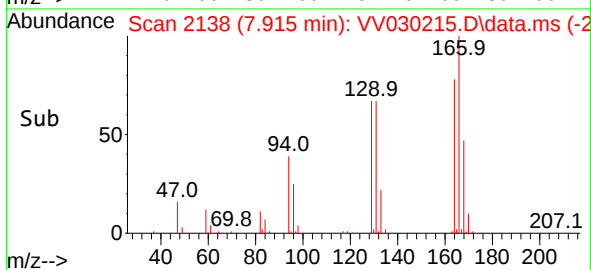
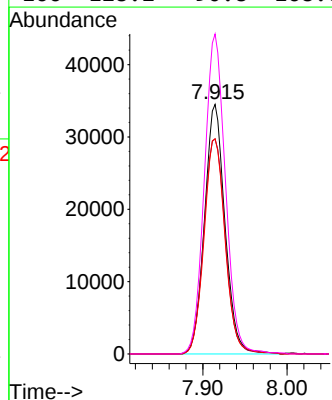
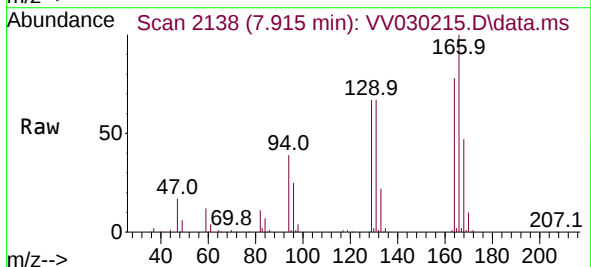
Instrument :  
MSVOA\_V  
ClientSampleId :

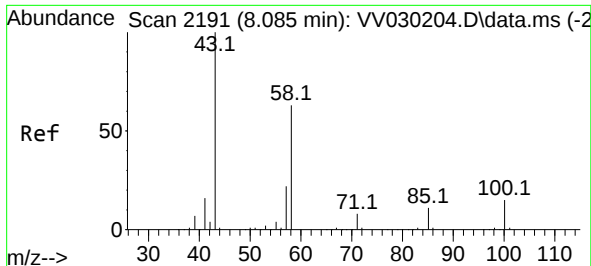
|             |             |
|-------------|-------------|
| Tgt Ion: 97 | Resp: 47940 |
| Ion Ratio   | Lower Upper |
| 97 100      |             |
| 99 62.3     | 42.6 79.2   |
| 83 81.5     | 57.7 107.3  |
| 85 55.2     | 38.9 72.2   |



#47  
Tetrachloroethene  
Concen: 4.674 ug/L  
RT: 7.915 min Scan# 2138  
Delta R.T. 0.003 min  
Lab File: VV030215.D  
Acq: 15 Mar 2023 16:37

|     |         |       |       |
|-----|---------|-------|-------|
| Tgt | Ion:164 | Resp: | 58409 |
| Ion | Ratio   | Lower | Upper |
| 164 | 100     |       |       |
| 129 | 86.2    | 63.6  | 118.2 |
| 131 | 86.2    | 61.7  | 114.7 |
| 166 | 128.2   | 90.8  | 168.6 |



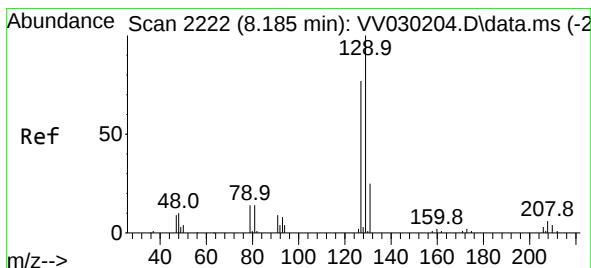
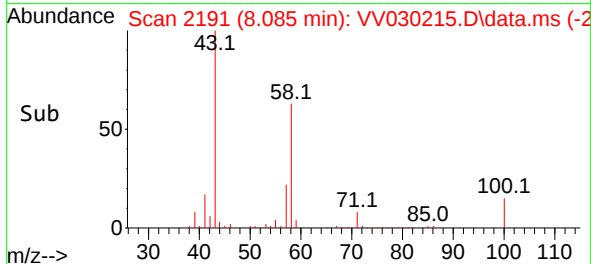
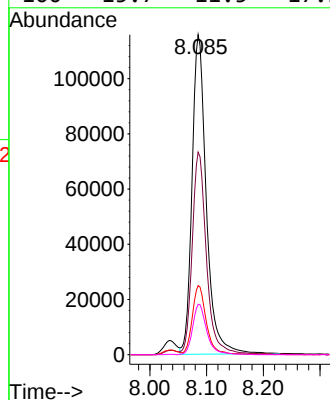
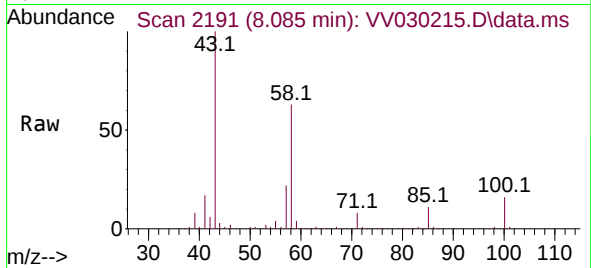


#48  
2-Hexanone  
Concen: 51.860 ug/L  
RT: 8.085 min Scan# 2191  
Delta R.T. -0.000 min  
Lab File: VV030215.D  
Acq: 15 Mar 2023 16:37

Instrument :  
MSVOA\_V  
ClientSampleId :

Tgt Ion: 43 Resp: 202480

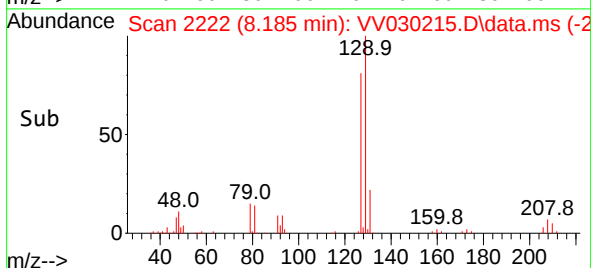
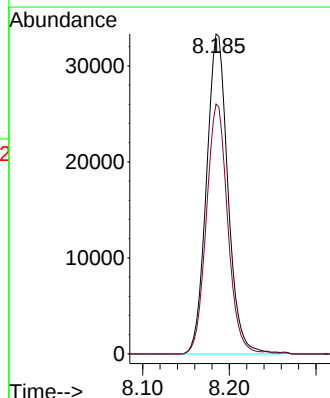
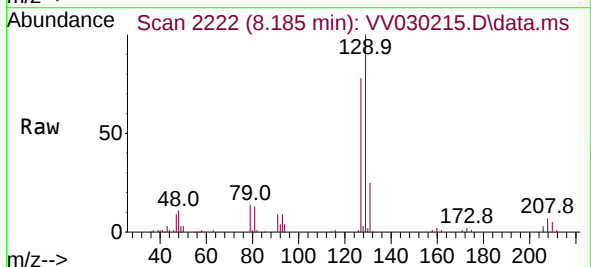
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 58  | 62.5  | 49.8  | 74.8  |
| 57  | 20.9  | 16.6  | 24.8  |
| 100 | 15.7  | 11.5  | 17.3  |

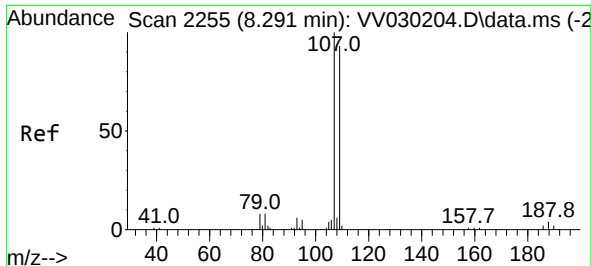


#49  
Dibromochloromethane  
Concen: 5.184 ug/L  
RT: 8.185 min Scan# 2222  
Delta R.T. -0.000 min  
Lab File: VV030215.D  
Acq: 15 Mar 2023 16:37

Tgt Ion: 129 Resp: 57370

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 129 | 100   |       |       |
| 127 | 78.1  | 54.7  | 101.5 |





#50

1,2-Dibromoethane

Concen: 5.029 ug/L

RT: 8.291 min Scan# 21

Delta R.T. -0.000 min

Lab File: VV030215.D

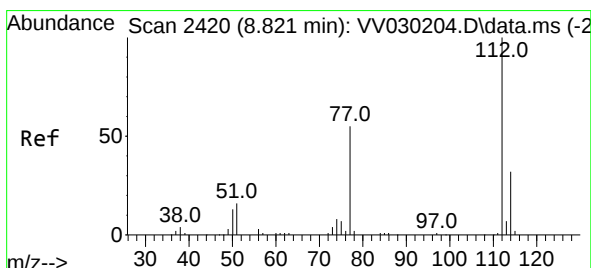
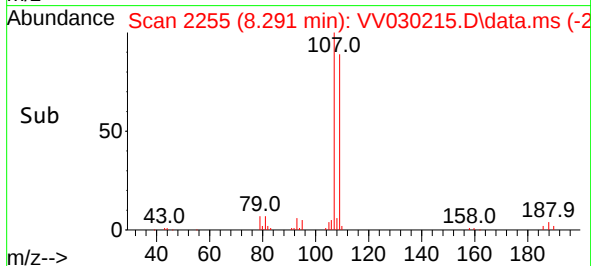
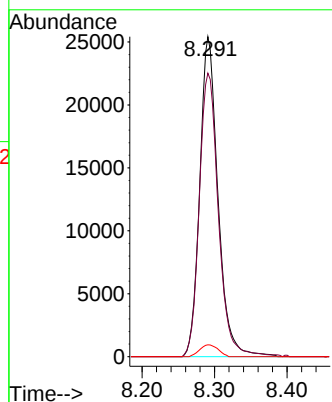
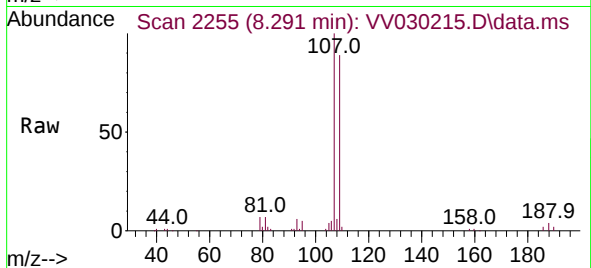
Acq: 15 Mar 2023 16:37

Instrument :

MSVOA\_V

ClientSampleId :

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:107 | Resp: | 44372      |
| Ion Ratio   | Lower | Upper      |
| 107         | 100   |            |
| 109         | 88.6  | 63.3 117.7 |
| 188         | 3.7   | 3.0 4.6    |



#51

Chlorobenzene

Concen: 4.892 ug/L

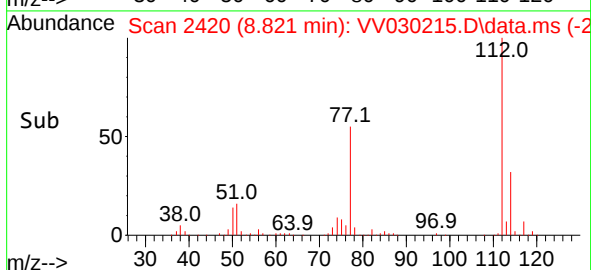
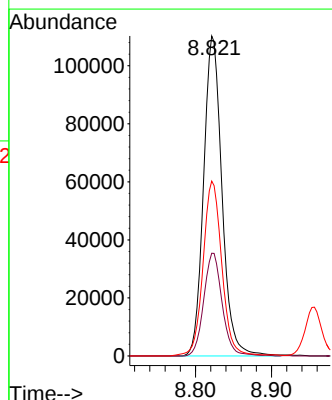
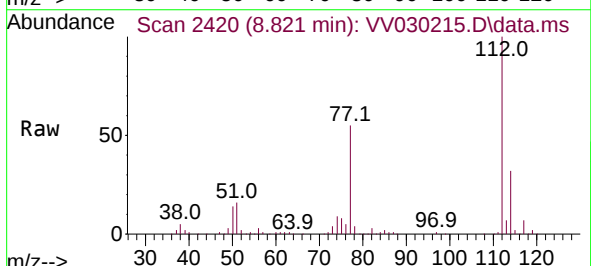
RT: 8.821 min Scan# 2420

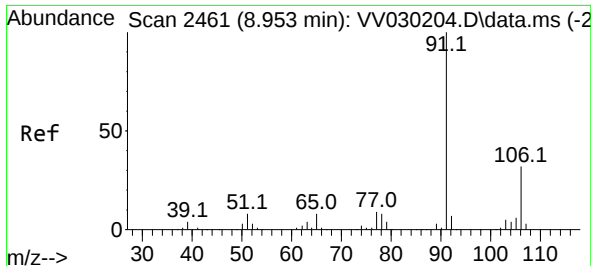
Delta R.T. -0.000 min

Lab File: VV030215.D

Acq: 15 Mar 2023 16:37

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:112 | Resp: | 185624    |
| Ion Ratio   | Lower | Upper     |
| 112         | 100   |           |
| 114         | 32.1  | 22.5 41.7 |
| 77          | 54.6  | 45.3 67.9 |





#52

Ethylbenzene

Concen: 4.743 ug/L

RT: 8.956 min Scan# 2461

Delta R.T. 0.003 min

Lab File: VV030215.D

Acq: 15 Mar 2023 16:37

Instrument :

MSVOA\_V

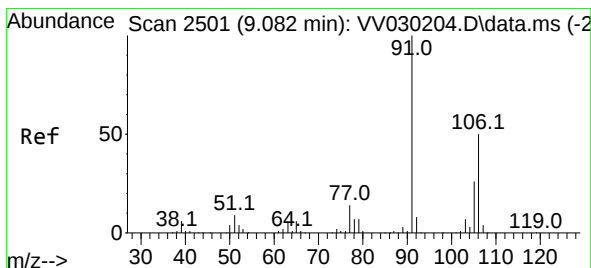
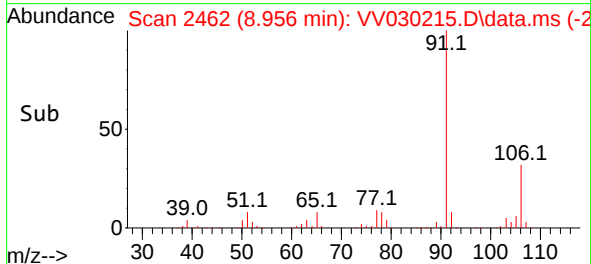
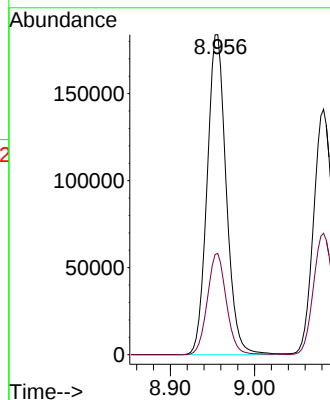
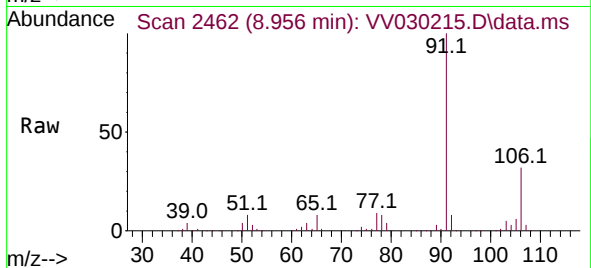
ClientSampleId :

Tgt Ion: 91 Resp: 290421

Ion Ratio Lower Upper

91 100

106 31.7 22.0 40.8



#53

m,p-Xylene

Concen: 4.874 ug/L

RT: 9.082 min Scan# 2501

Delta R.T. -0.000 min

Lab File: VV030215.D

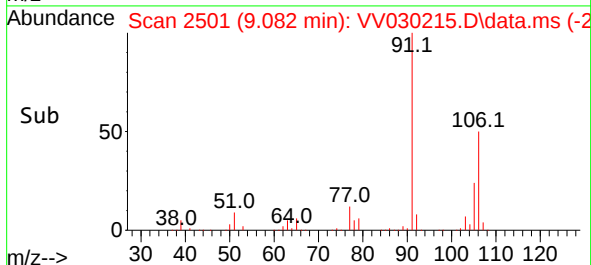
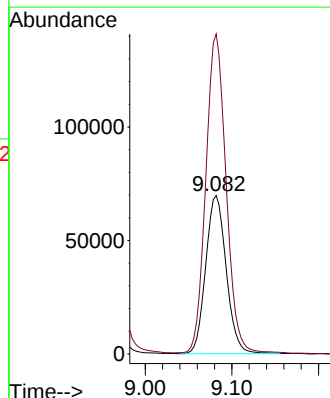
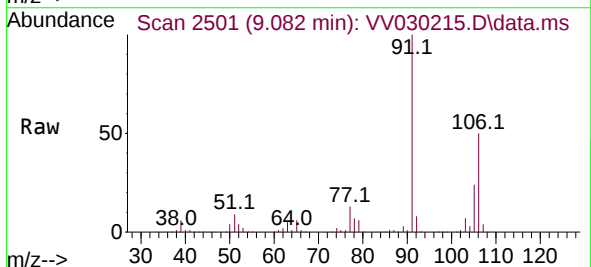
Acq: 15 Mar 2023 16:37

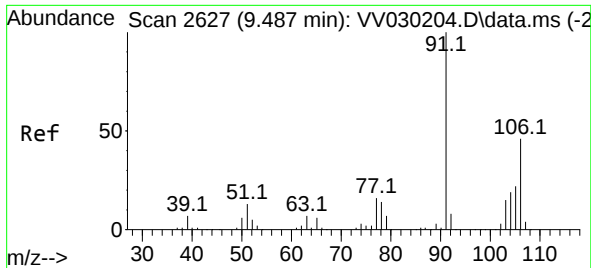
Tgt Ion:106 Resp: 114703

Ion Ratio Lower Upper

106 100

91 201.9 142.5 264.7

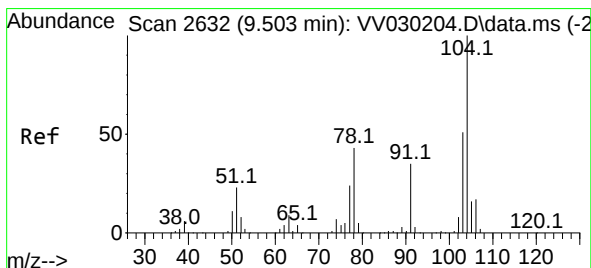
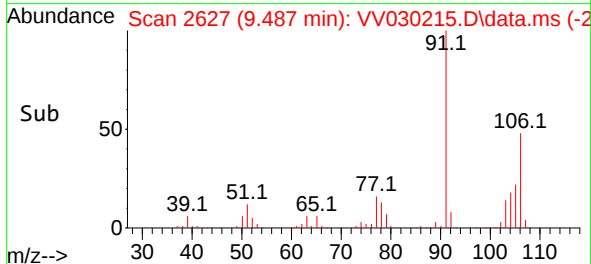
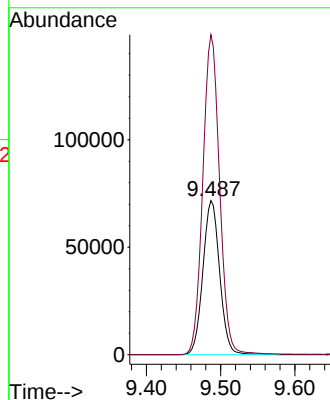
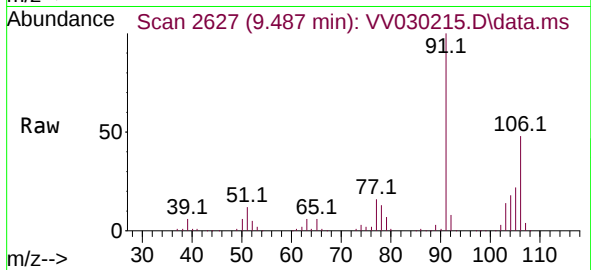




#54  
o-Xylene  
Concen: 4.995 ug/L  
RT: 9.487 min Scan# 2627  
Delta R.T. -0.000 min  
Lab File: VV030215.D  
Acq: 15 Mar 2023 16:37

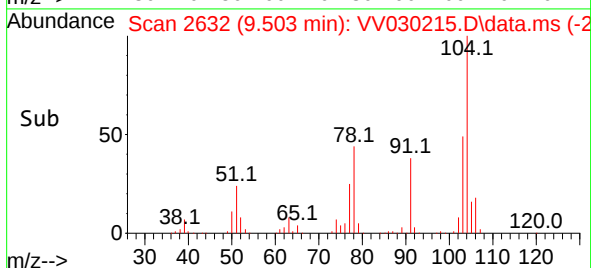
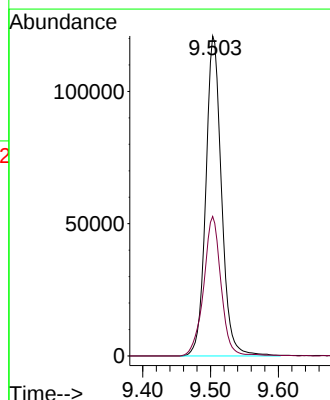
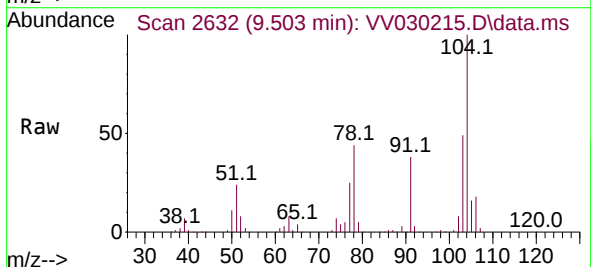
Instrument :  
MSVOA\_V  
ClientSampleId :

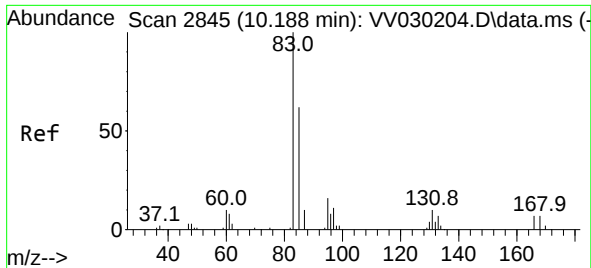
Tgt Ion:106 Resp: 112289  
Ion Ratio Lower Upper  
106 100  
91 207.6 148.8 276.4



#55  
Styrene  
Concen: 5.220 ug/L  
RT: 9.503 min Scan# 2632  
Delta R.T. -0.000 min  
Lab File: VV030215.D  
Acq: 15 Mar 2023 16:37

Tgt Ion:104 Resp: 195144  
Ion Ratio Lower Upper  
104 100  
78 43.6 31.1 57.9





#57

1,1,2,2-Tetrachloroethane

Concen: 5.317 ug/L

RT: 10.188 min Scan# 2845

Delta R.T. -0.000 min

Lab File: VV030215.D

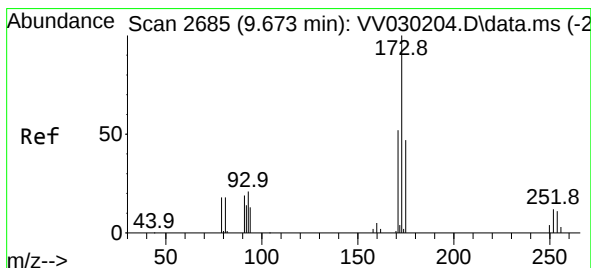
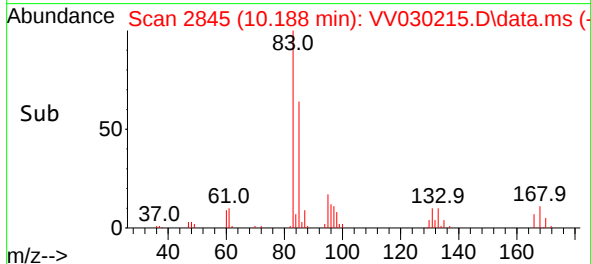
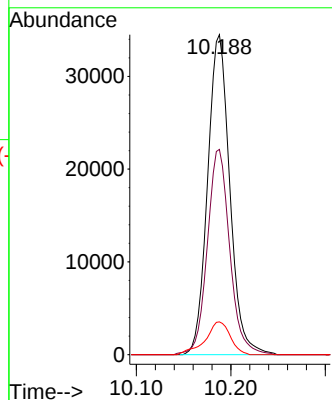
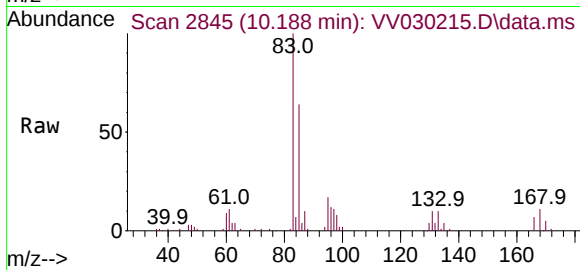
Acq: 15 Mar 2023 16:37

Instrument :

MSVOA\_V

ClientSampleId :

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 56244 |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 85       | 64.1  | 45.0  | 83.6  |
| 131      | 10.2  | 8.2   | 12.4  |



#59

Bromoform

Concen: 4.850 ug/L

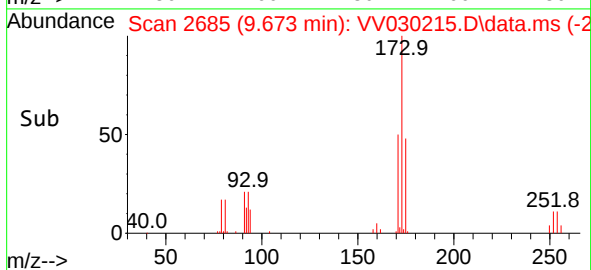
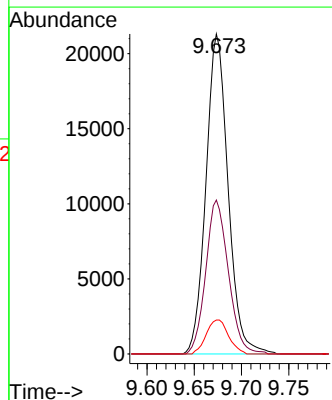
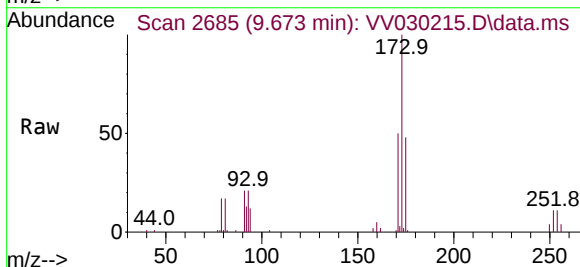
RT: 9.673 min Scan# 2685

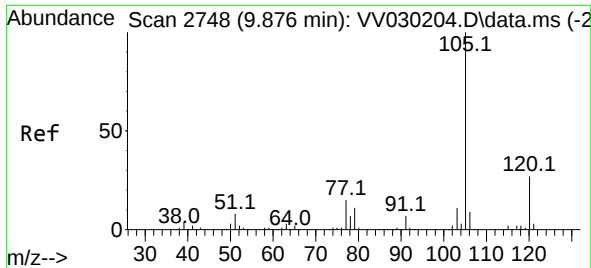
Delta R.T. -0.000 min

Lab File: VV030215.D

Acq: 15 Mar 2023 16:37

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 173   | Resp: | 34693 |
| Ion      | Ratio | Lower | Upper |
| 173      | 100   |       |       |
| 175      | 49.2  | 38.5  | 57.7  |
| 254      | 10.7  | 8.6   | 13.0  |

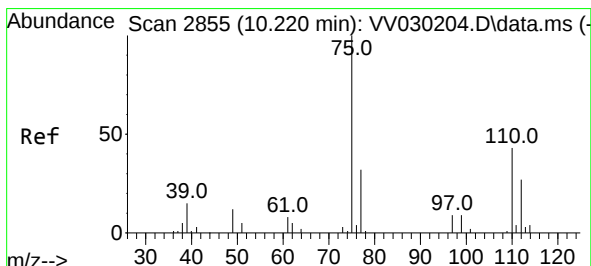
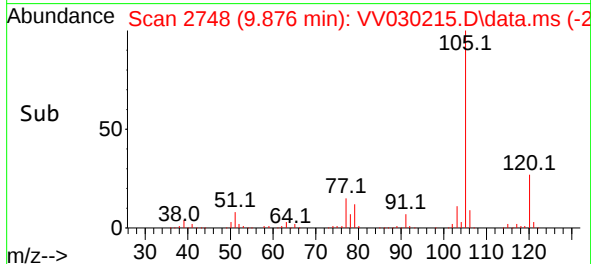
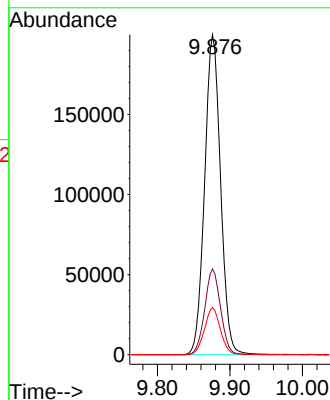
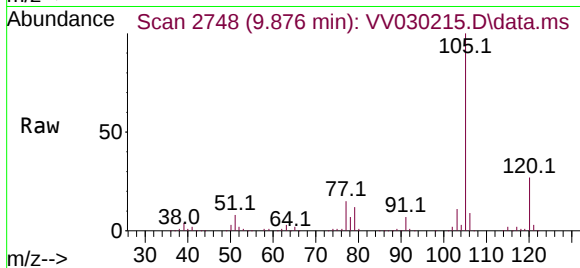




#60  
Isopropylbenzene  
Concen: 4.451 ug/L  
RT: 9.876 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VV030215.D  
Acq: 15 Mar 2023 16:37

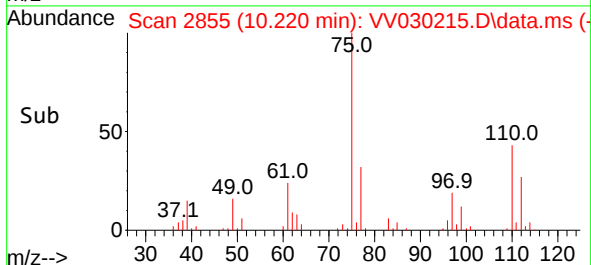
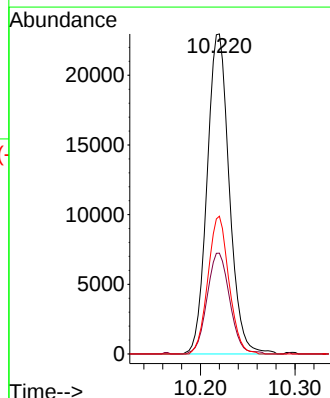
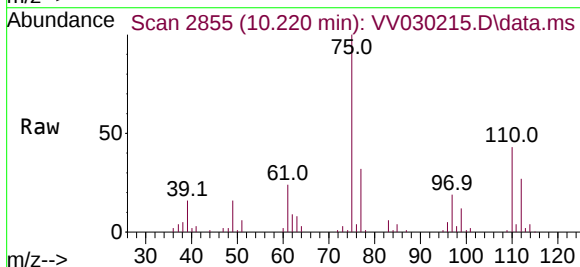
Instrument :  
MSVOA\_V  
ClientSampleId :

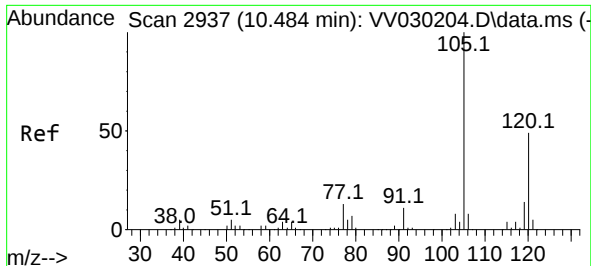
Tgt Ion:105 Resp: 305679  
Ion Ratio Lower Upper  
105 100  
120 26.6 21.4 32.0  
77 14.8 12.1 18.1



#61  
1,2,3-Trichloropropane  
Concen: 4.688 ug/L  
RT: 10.220 min Scan# 2855  
Delta R.T. -0.000 min  
Lab File: VV030215.D  
Acq: 15 Mar 2023 16:37

Tgt Ion: 75 Resp: 37449  
Ion Ratio Lower Upper  
75 100  
77 32.2 26.5 39.7  
110 40.8 31.8 47.6





#62

1,3,5-Trimethylbenzene

Concen: 4.324 ug/L

RT: 10.487 min Scan# 2937

Delta R.T. 0.003 min

Lab File: VV030215.D

Acq: 15 Mar 2023 16:37

Instrument :

MSVOA\_V

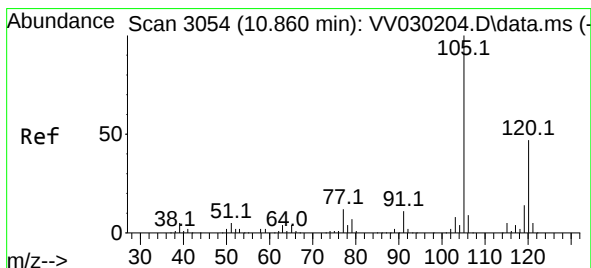
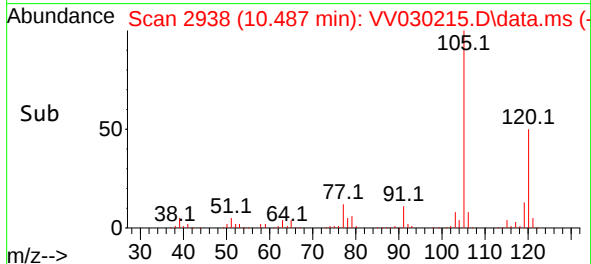
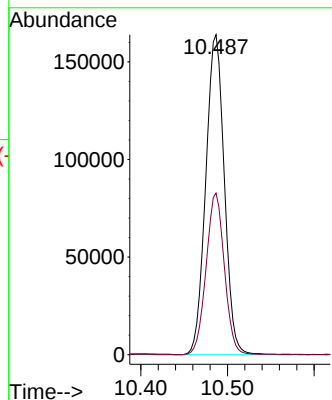
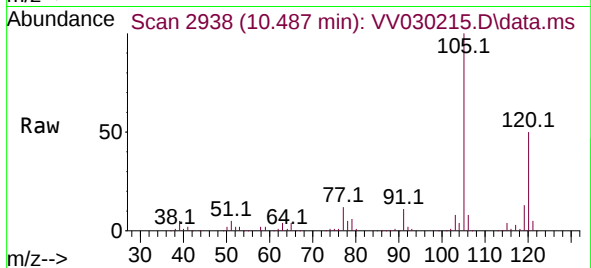
ClientSampleId :

Tgt Ion:105 Resp: 243908

Ion Ratio Lower Upper

105 100

120 49.7 39.6 59.4



#63

1,2,4-Trimethylbenzene

Concen: 4.474 ug/L

RT: 10.860 min Scan# 3054

Delta R.T. -0.000 min

Lab File: VV030215.D

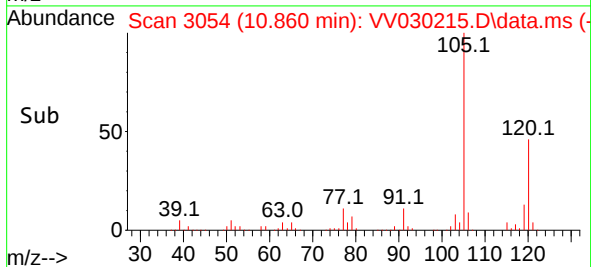
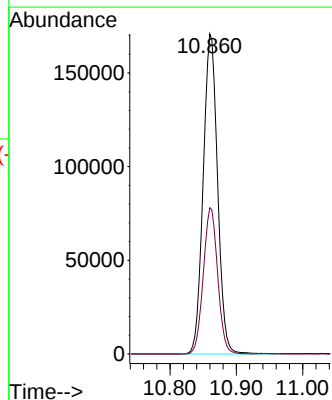
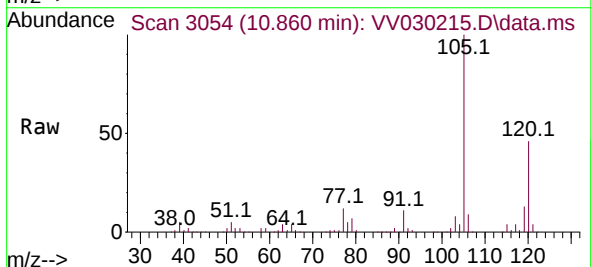
Acq: 15 Mar 2023 16:37

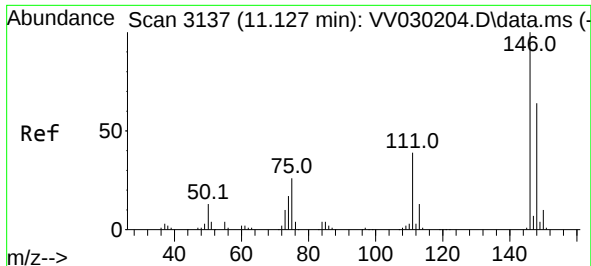
Tgt Ion:105 Resp: 258149

Ion Ratio Lower Upper

105 100

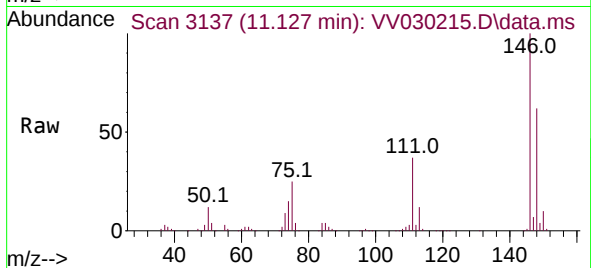
120 45.5 36.2 54.4



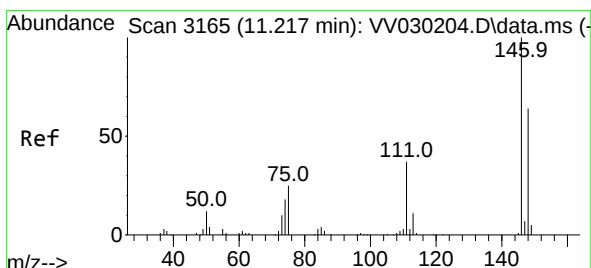
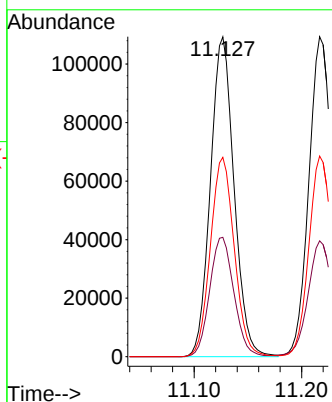
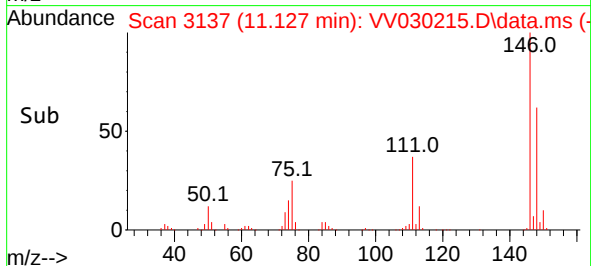


#64  
1,3-Dichlorobenzene  
Concen: 4.665 ug/L  
RT: 11.127 min Scan# 3137  
Delta R.T. -0.000 min  
Lab File: VV030215.D  
Acq: 15 Mar 2023 16:37

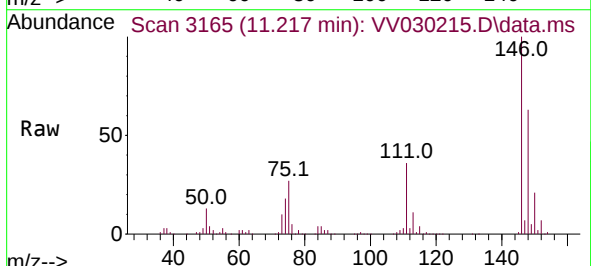
Instrument :  
MSVOA\_V  
ClientSampleId :



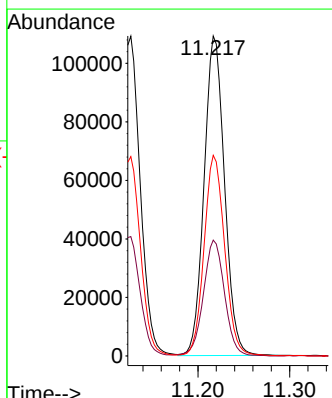
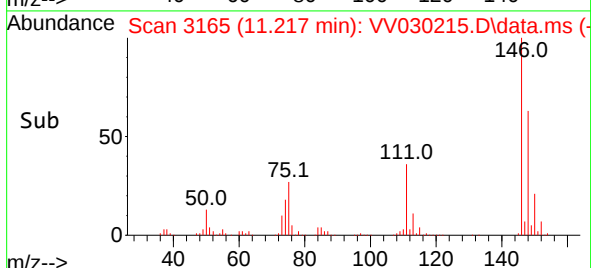
Tgt Ion:146 Resp: 166806  
Ion Ratio Lower Upper  
146 100  
111 37.3 27.7 51.5  
148 62.4 44.5 82.7

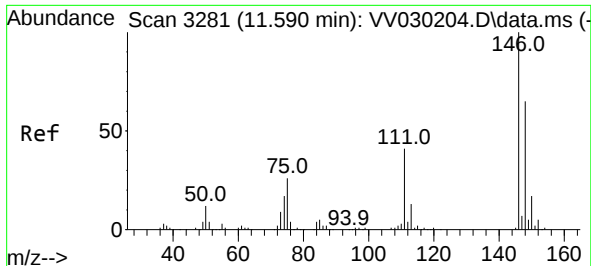


#65  
1,4-Dichlorobenzene  
Concen: 4.692 ug/L  
RT: 11.217 min Scan# 3165  
Delta R.T. -0.000 min  
Lab File: VV030215.D  
Acq: 15 Mar 2023 16:37



Tgt Ion:146 Resp: 169274  
Ion Ratio Lower Upper  
146 100  
111 36.2 27.4 51.0  
148 62.7 44.1 81.9





#67

1,2-Dichlorobenzene

Concen: 4.800 ug/L

RT: 11.590 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV030215.D

Acq: 15 Mar 2023 16:37

Instrument :

MSVOA\_V

ClientSampleId :

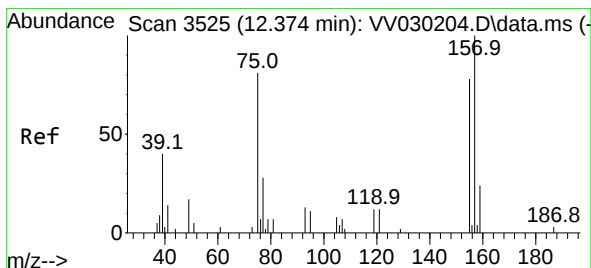
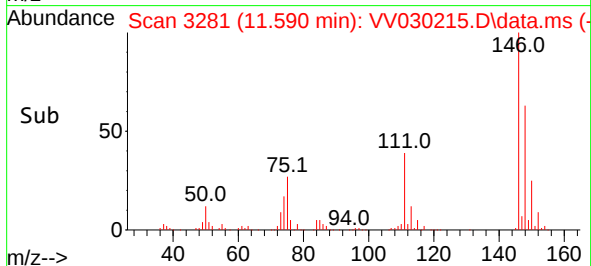
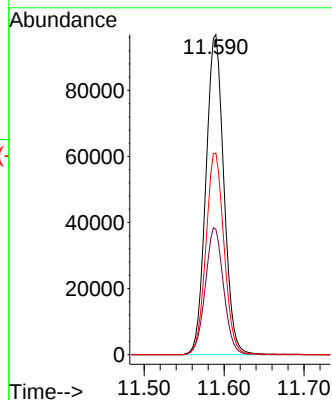
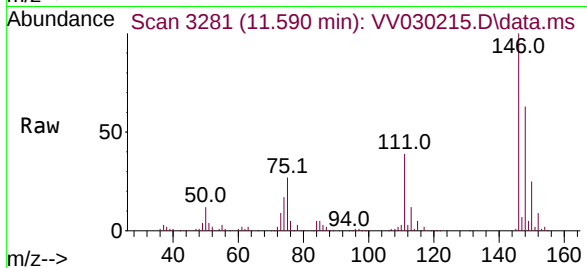
Tgt Ion:146 Resp: 151549

Ion Ratio Lower Upper

146 100

111 39.2 33.5 50.3

148 63.0 51.3 76.9



#68

1,2-Dibromo-3-chloropropane

Concen: 4.430 ug/L

RT: 12.374 min Scan# 3525

Delta R.T. -0.000 min

Lab File: VV030215.D

Acq: 15 Mar 2023 16:37

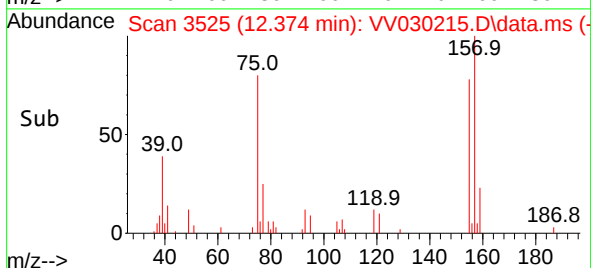
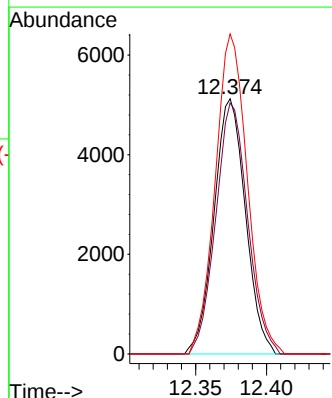
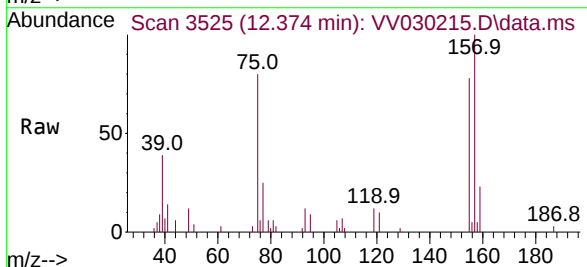
Tgt Ion: 75 Resp: 7903

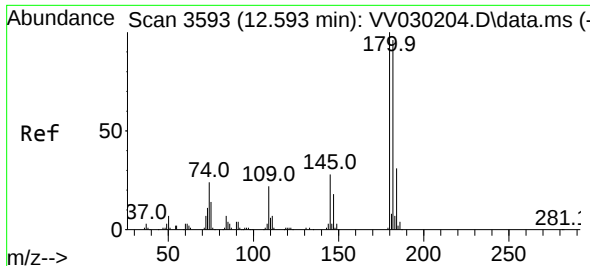
Ion Ratio Lower Upper

75 100

155 98.4 79.1 118.7

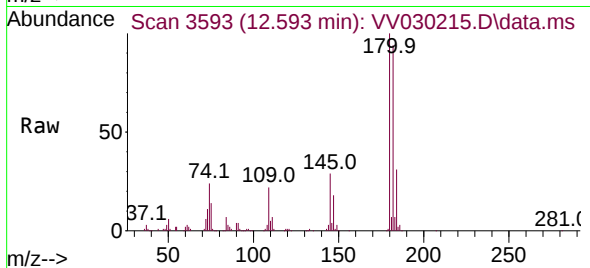
157 125.4 95.5 143.3



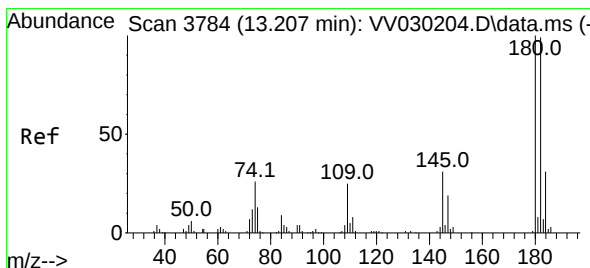
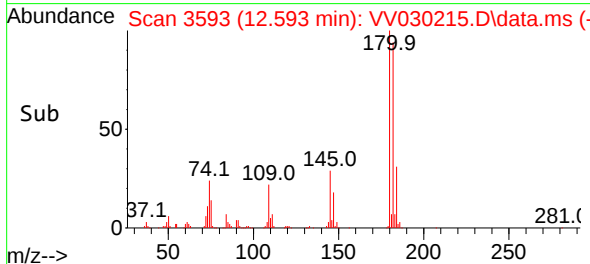
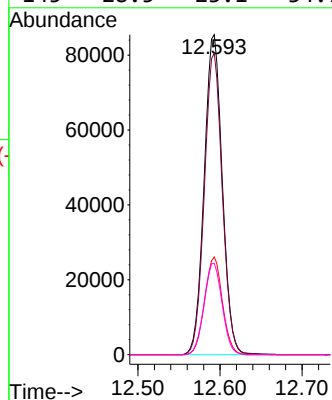


#69  
 1,3,5-Trichlorobenzene  
 Concen: 4.448 ug/L  
 RT: 12.593 min Scan# 3593  
 Delta R.T. -0.000 min  
 Lab File: VV030215.D  
 Acq: 15 Mar 2023 16:37

Instrument :  
 MSVOA\_V  
 ClientSampleId :

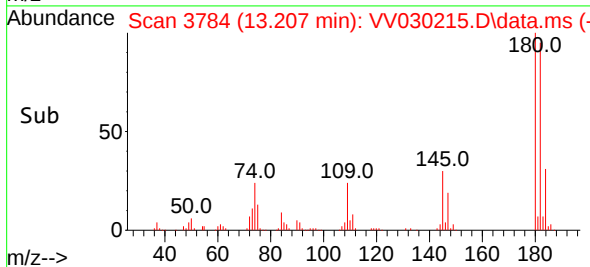
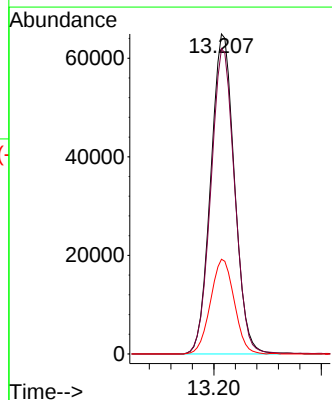
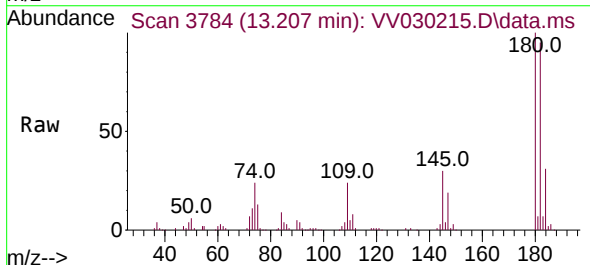


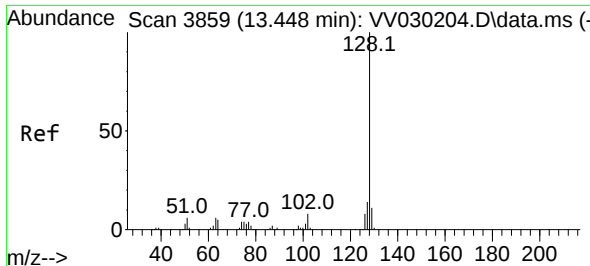
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 180   | Resp: | 130739 |
| Ion Ratio | Lower | Upper |        |
| 180       | 100   |       |        |
| 182       | 93.6  | 76.5  | 114.7  |
| 184       | 30.1  | 24.3  | 36.5   |
| 145       | 28.5  | 23.1  | 34.7   |



#70  
 1,2,4-trichlorobenzene  
 Concen: 4.167 ug/L  
 RT: 13.207 min Scan# 3784  
 Delta R.T. -0.000 min  
 Lab File: VV030215.D  
 Acq: 15 Mar 2023 16:37

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 180   | Resp: | 99232 |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 95.6  | 77.3  | 115.9 |
| 145       | 29.7  | 23.1  | 34.7  |

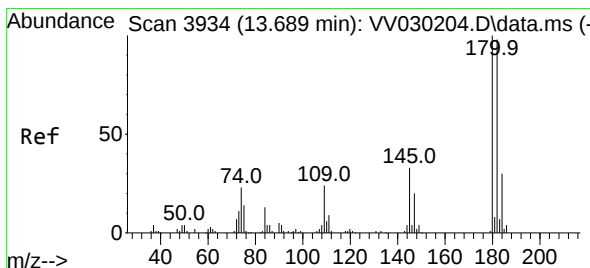
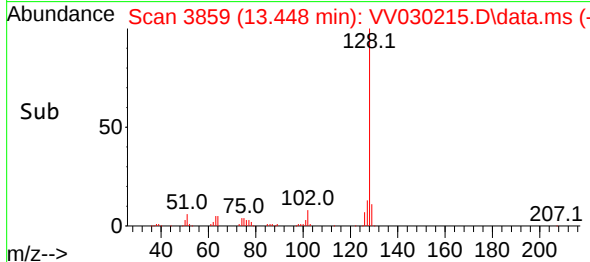
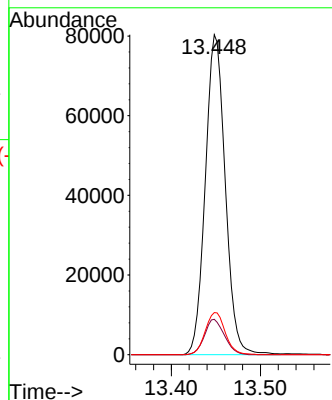
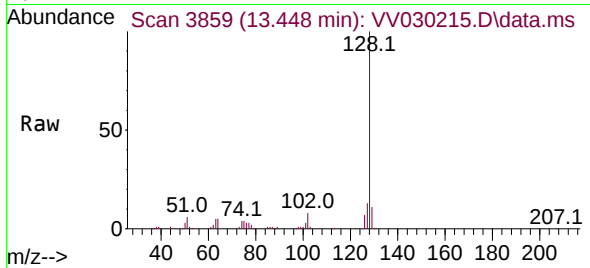




#71  
Naphthalene  
Concen: 4.007 ug/L  
RT: 13.448 min Scan# 3859  
Delta R.T. -0.000 min  
Lab File: VV030215.D  
Acq: 15 Mar 2023 16:37

Instrument :  
MSVOA\_V  
ClientSampleId :

Tgt Ion:128 Resp: 124689  
Ion Ratio Lower Upper  
128 100  
129 11.0 8.6 13.0  
127 13.2 10.4 15.6



#72  
1,2,3-Trichlorobenzene  
Concen: 4.300 ug/L  
RT: 13.689 min Scan# 3934  
Delta R.T. -0.000 min  
Lab File: VV030215.D  
Acq: 15 Mar 2023 16:37

Tgt Ion:180 Resp: 84287  
Ion Ratio Lower Upper  
180 100  
182 97.4 76.2 114.2  
145 31.7 25.1 37.7

