

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV091722\  
 Data File : VV027903.D  
 Acq On : 17 Sep 2022 16:08  
 Operator : SY/MD  
 Sample : VSTDICV005  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Sep 19 02:33:13 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR091722WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Mon Sep 19 02:25:21 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon           | Response | Conc   | Units   | Dev(Min) |
|-------------------------------|--------|----------------|----------|--------|---------|----------|
| Internal Standards            |        |                |          |        |         |          |
| 1) 1,4-Difluorobenzene        | 5.613  | 114            | 217687   | 5.000  | ug/L    | 0.00     |
| 28) Chlorobenzene-d5          | 8.847  | 117            | 211986   | 5.000  | ug/L    | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.246 | 152            | 122979   | 5.000  | ug/L    | 0.00     |
| System Monitoring Compounds   |        |                |          |        |         |          |
| 4) Vinyl Chloride-d3          | 1.307  | 65             | 72566    | 4.176  | ug/L    | 0.00     |
| Spiked Amount                 | 5.000  | Range 40 - 130 | Recovery | =      | 83.600% |          |
| 7) Chloroethane-d5            | 1.568  | 69             | 49528    | 4.032  | ug/L    | 0.00     |
| Spiked Amount                 | 5.000  | Range 65 - 130 | Recovery | =      | 80.600% |          |
| 11) 1,1-Dichloroethene-d2     | 2.108  | 63             | 116235   | 4.252  | ug/L    | 0.00     |
| Spiked Amount                 | 5.000  | Range 60 - 125 | Recovery | =      | 85.000% |          |
| 20) 2-Butanone-d5             | 3.886  | 46             | 121719   | 45.352 | ug/L    | 0.00     |
| Spiked Amount                 | 50.000 | Range 40 - 130 | Recovery | =      | 90.700% |          |
| 24) Chloroform-d              | 4.339  | 84             | 134843   | 4.209  | ug/L    | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 125 | Recovery | =      | 84.200% |          |
| 26) 1,2-Dichloroethane-d4     | 5.027  | 65             | 67180    | 4.182  | ug/L    | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 130 | Recovery | =      | 83.600% |          |
| 32) Benzene-d6                | 5.043  | 84             | 252449   | 4.319  | ug/L    | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 125 | Recovery | =      | 86.400% |          |
| 36) 1,2-Dichloropropane-d6    | 6.063  | 67             | 65762    | 4.305  | ug/L    | 0.00     |
| Spiked Amount                 | 5.000  | Range 60 - 140 | Recovery | =      | 86.200% |          |
| 41) Toluene-d8                | 7.310  | 98             | 233811   | 4.320  | ug/L    | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 130 | Recovery | =      | 86.400% |          |
| 43) trans-1,3-Dichloroprop... | 7.619  | 79             | 30108    | 4.605  | ug/L    | 0.00     |
| Spiked Amount                 | 5.000  | Range 55 - 130 | Recovery | =      | 92.200% |          |
| 46) 2-Hexanone-d5             | 8.085  | 63             | 100062   | 46.146 | ug/L    | 0.00     |
| Spiked Amount                 | 50.000 | Range 45 - 130 | Recovery | =      | 92.300% |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.214 | 84             | 44578    | 4.219  | ug/L    | 0.00     |
| Spiked Amount                 | 5.000  | Range 65 - 120 | Recovery | =      | 84.400% |          |
| 66) 1,2-Dichlorobenzene-d4    | 11.622 | 152            | 89301    | 4.148  | ug/L    | 0.00     |
| Spiked Amount                 | 5.000  | Range 80 - 120 | Recovery | =      | 83.000% |          |
| Target Compounds              |        |                |          |        |         |          |
|                               |        |                |          |        |         | Qvalue   |
| 2) Dichlorodifluoromethane    | 1.130  | 85             | 92559    | 5.298  | ug/L    | 99       |
| 3) Chloromethane              | 1.240  | 50             | 71414    | 5.232  | ug/L    | 96       |
| 5) Vinyl chloride             | 1.311  | 62             | 82558    | 5.284  | ug/L    | 99       |
| 6) Bromomethane               | 1.523  | 94             | 45366    | 5.389  | ug/L    | 98       |
| 8) Chloroethane               | 1.584  | 64             | 44600    | 5.005  | ug/L    | 100      |
| 9) Trichlorofluoromethane     | 1.751  | 101            | 141689   | 5.448  | ug/L    | 96       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.114  | 101            | 64773    | 5.182  | ug/L    | 92       |
| 12) 1,1-Dichloroethene        | 2.118  | 96             | 60098    | 5.038  | ug/L    | 84       |
| 13) Acetone                   | 2.179  | 43             | 92789    | 53.155 | ug/L    | 86       |
| 14) Carbon disulfide          | 2.291  | 76             | 162255   | 5.635  | ug/L    | 99       |
| 15) Methyl Acetate            | 2.436  | 43             | 22759    | 5.938  | ug/L #  | 85       |
| 16) Methylene chloride        | 2.503  | 84             | 77813    | 5.043  | ug/L    | 87       |
| 17) Methyl tert-butyl Ether   | 2.764  | 73             | 170120   | 5.538  | ug/L    | 96       |
| 18) trans-1,2-Dichloroethene  | 2.757  | 96             | 73083    | 5.436  | ug/L    | 90       |
| 19) 1,1-Dichloroethane        | 3.185  | 63             | 137697   | 5.472  | ug/L    | 99       |
| 21) 2-Butanone                | 3.966  | 43             | 144085   | 61.230 | ug/L    | 95       |
| 22) cis-1,2-Dichloroethene    | 3.902  | 96             | 82144    | 5.431  | ug/L #  | 88       |
| 23) Bromochloromethane        | 4.243  | 128            | 36115    | 5.226  | ug/L #  | 78       |
| 25) Chloroform                | 4.365  | 83             | 157064   | 5.203  | ug/L    | 97       |

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 Sample : VSTDICV005  
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 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Sep 19 02:33:13 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR091722WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Mon Sep 19 02:25:21 2022  
 Response via : Initial Calibration

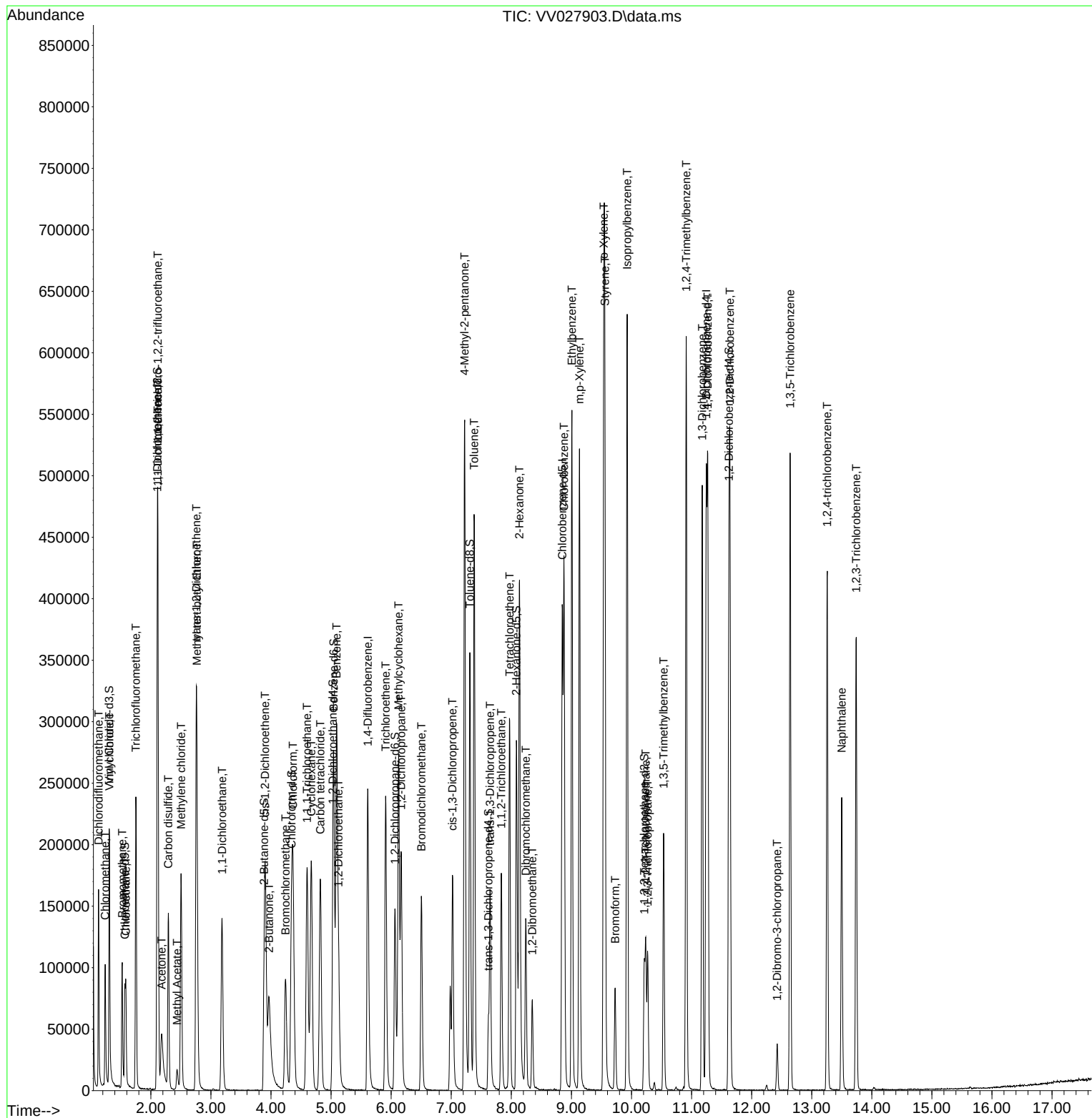
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|-------------------------------|--------|------|----------|--------|--------|----------|
| 27) 1,2-Dichloroethane        | 5.124  | 62   | 90854    | 5.321  | ug/L   | 98       |
| 29) 1,1,1-Trichloroethane     | 4.600  | 97   | 152960   | 5.521  | ug/L   | 96       |
| 30) Cyclohexane               | 4.670  | 56   | 96734    | 5.692  | ug/L   | 94       |
| 31) Carbon tetrachloride      | 4.822  | 117  | 134248   | 5.467  | ug/L   | 99       |
| 33) Benzene                   | 5.092  | 78   | 298173   | 5.396  | ug/L   | 100      |
| 34) Trichloroethene           | 5.908  | 95   | 81656    | 5.469  | ug/L   | 95       |
| 35) Methylcyclohexane         | 6.124  | 83   | 114788   | 5.553  | ug/L   | 92       |
| 37) 1,2-Dichloropropane       | 6.169  | 63   | 70539    | 5.668  | ug/L   | 99       |
| 38) Bromodichloromethane      | 6.503  | 83   | 105267   | 5.421  | ug/L   | 97       |
| 39) cis-1,3-Dichloropropene   | 7.021  | 75   | 105366   | 5.627  | ug/L   | 99       |
| 40) 4-Methyl-2-pentanone      | 7.223  | 43   | 348807   | 57.687 | ug/L # | 93       |
| 42) Toluene                   | 7.381  | 91   | 339673   | 5.598  | ug/L   | 99       |
| 44) trans-1,3-Dichloropropene | 7.648  | 75   | 93644    | 5.660  | ug/L   | 99       |
| 45) 1,1,2-Trichloroethane     | 7.834  | 97   | 52678    | 5.450  | ug/L   | 99       |
| 47) Tetrachloroethene         | 7.973  | 164  | 69636    | 5.583  | ug/L   | 97       |
| 48) 2-Hexanone                | 8.133  | 43   | 249409   | 57.481 | ug/L # | 93       |
| 49) Dibromochloromethane      | 8.243  | 129  | 70263    | 5.542  | ug/L   | 99       |
| 50) 1,2-Dibromoethane         | 8.349  | 107  | 47125    | 5.438  | ug/L   | 97       |
| 51) Chlorobenzene             | 8.876  | 112  | 228659   | 5.506  | ug/L   | 99       |
| 52) Ethylbenzene              | 9.008  | 91   | 372731   | 5.644  | ug/L   | 99       |
| 53) m,p-Xylene                | 9.133  | 106  | 147864   | 5.652  | ug/L   | 100      |
| 54) o-Xylene                  | 9.538  | 106  | 144183   | 5.673  | ug/L   | 95       |
| 55) Styrene                   | 9.558  | 104  | 254330   | 5.790  | ug/L   | 98       |
| 57) 1,1,2,2-Tetrachloroethane | 10.236 | 83   | 53731    | 5.417  | ug/L   | 98       |
| 59) Bromoform                 | 9.728  | 173  | 38379    | 5.268  | ug/L   | 98       |
| 60) Isopropylbenzene          | 9.928  | 105  | 396643   | 5.525  | ug/L   | 99       |
| 61) 1,2,3-Trichloropropane    | 10.268 | 75   | 43291    | 5.126  | ug/L   | 98       |
| 62) 1,3,5-Trimethylbenzene    | 10.535 | 105  | 113656   | 5.406  | ug/L   | 99       |
| 63) 1,2,4-Trimethylbenzene    | 10.911 | 105  | 327716   | 5.545  | ug/L   | 100      |
| 64) 1,3-Dichlorobenzene       | 11.178 | 146  | 202466   | 5.555  | ug/L   | 96       |
| 65) 1,4-Dichlorobenzene       | 11.268 | 146  | 197770   | 5.354  | ug/L   | 96       |
| 67) 1,2-Dichlorobenzene       | 11.638 | 146  | 178678   | 5.324  | ug/L   | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 12.423 | 75   | 9816     | 5.449  | ug/L   | 91       |
| 69) 1,3,5-Trichlorobenzene    | 12.641 | 180  | 160675   | 5.440  | ug/L   | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.259 | 180  | 130250   | 5.601  | ug/L   | 98       |
| 71) Naphthalene               | 13.500 | 128  | 195491   | 6.048  | ug/L   | 99       |
| 72) 1,2,3-Trichlorobenzene    | 13.741 | 180  | 115173   | 5.818  | ug/L   | 98       |

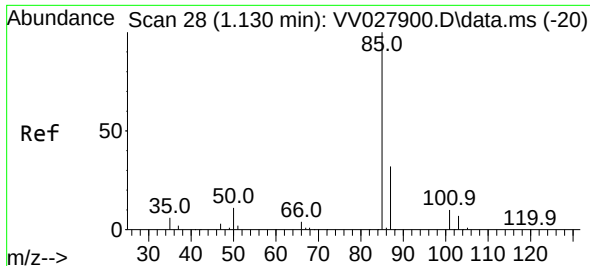
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

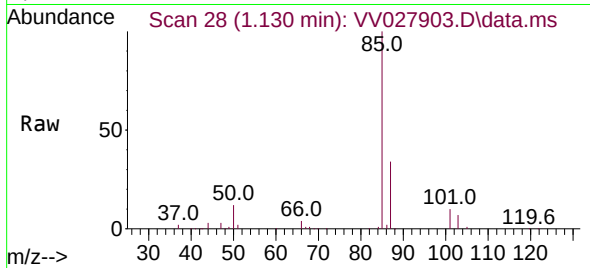
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR091722WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Mon Sep 19 02:25:21 2022  
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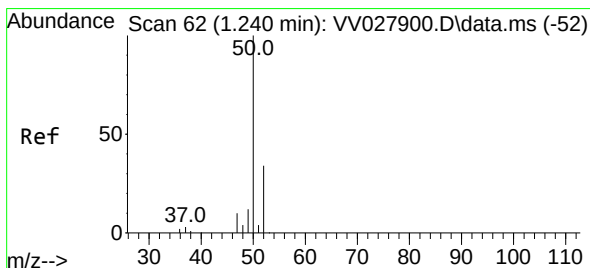
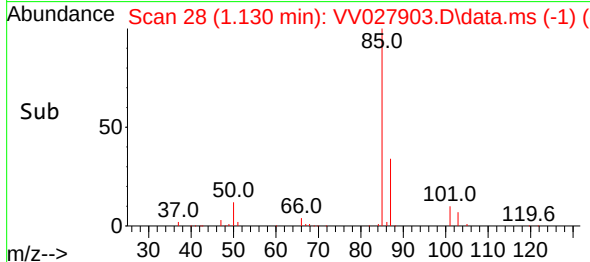
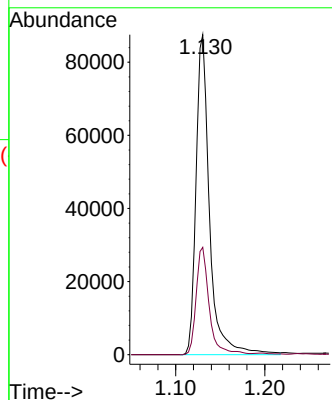


#2  
 Dichlorodifluoromethane  
 Concen: 5.298 ug/L  
 RT: 1.130 min Scan# 28  
 Delta R.T. 0.000 min  
 Lab File: VV027903.D  
 Acq: 17 Sep 2022 16:08

Instrument :  
 MSVOA\_V  
 ClientSampleId :

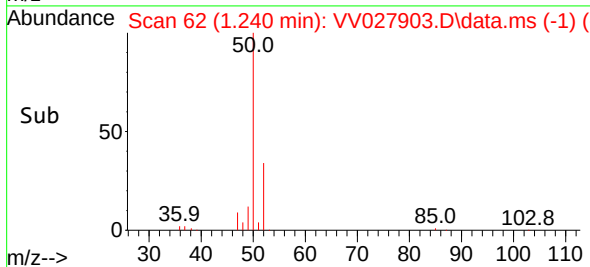
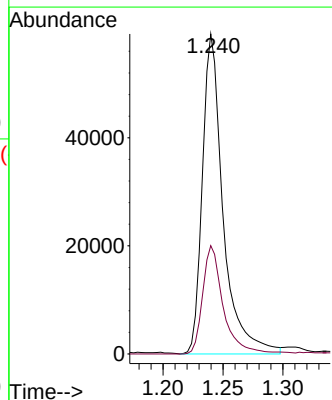
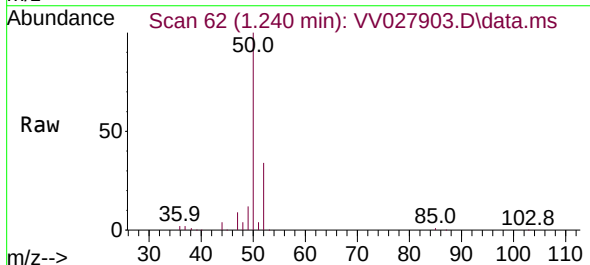


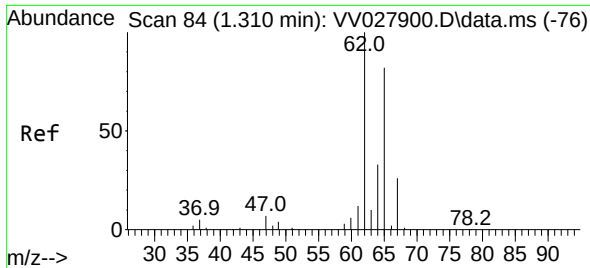
Tgt Ion: 85 Resp: 92559  
 Ion Ratio Lower Upper  
 85 100  
 87 32.5 25.4 38.0



#3  
 Chloromethane  
 Concen: 5.232 ug/L  
 RT: 1.240 min Scan# 62  
 Delta R.T. 0.000 min  
 Lab File: VV027903.D  
 Acq: 17 Sep 2022 16:08

Tgt Ion: 50 Resp: 71414  
 Ion Ratio Lower Upper  
 50 100  
 52 33.9 22.1 41.1

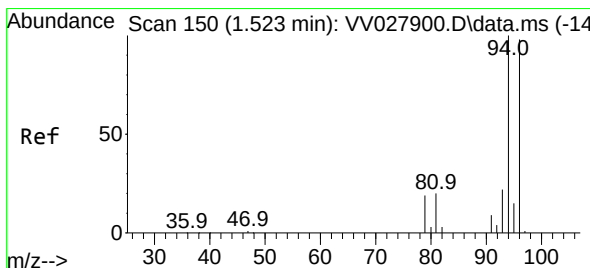
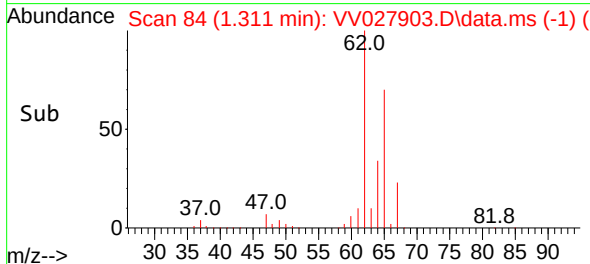
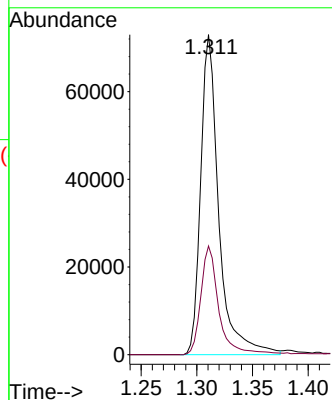
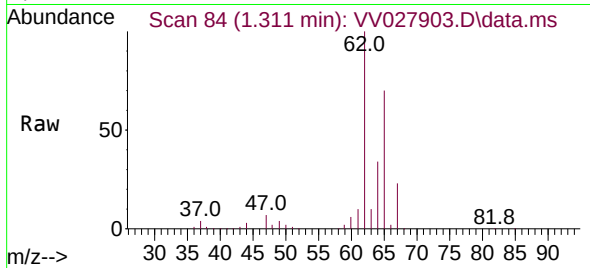




#5  
 Vinyl chloride  
 Concen: 5.284 ug/L  
 RT: 1.311 min Scan# 84  
 Delta R.T. 0.000 min  
 Lab File: VV027903.D  
 Acq: 17 Sep 2022 16:08

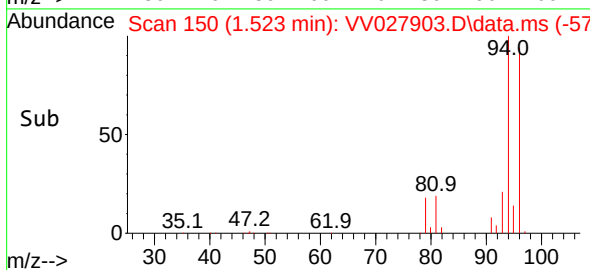
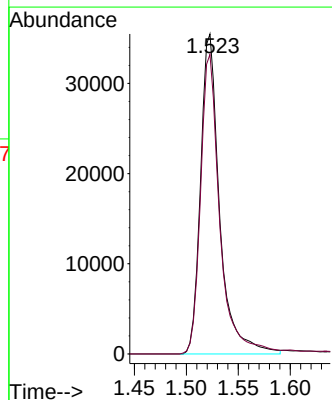
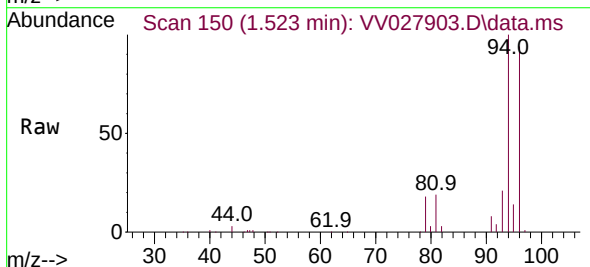
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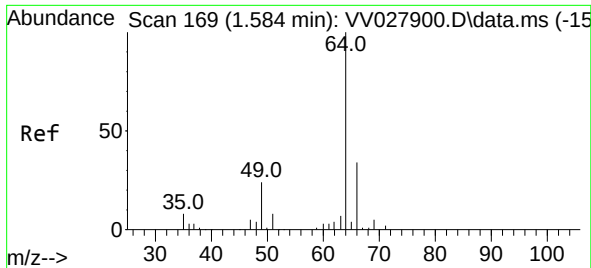
Tgt Ion: 62 Resp: 82558  
 Ion Ratio Lower Upper  
 62 100  
 64 33.9 23.2 43.2



#6  
 Bromomethane  
 Concen: 5.389 ug/L  
 RT: 1.523 min Scan# 150  
 Delta R.T. 0.000 min  
 Lab File: VV027903.D  
 Acq: 17 Sep 2022 16:08

Tgt Ion: 94 Resp: 45366  
 Ion Ratio Lower Upper  
 94 100  
 96 93.6 64.2 119.2

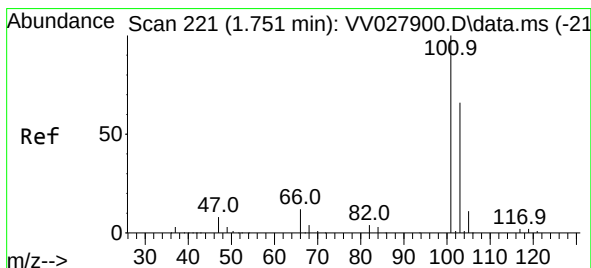
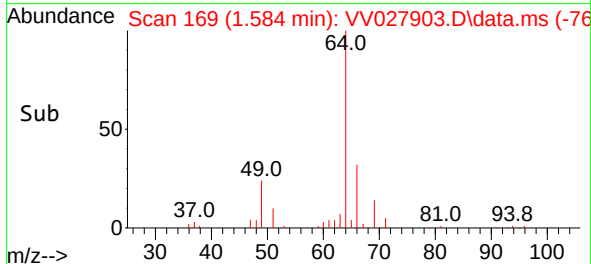
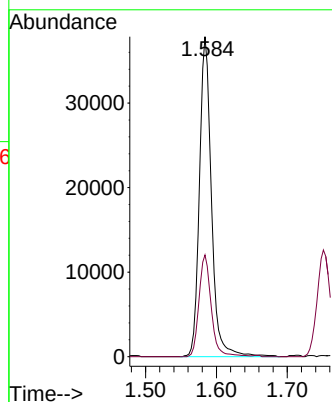
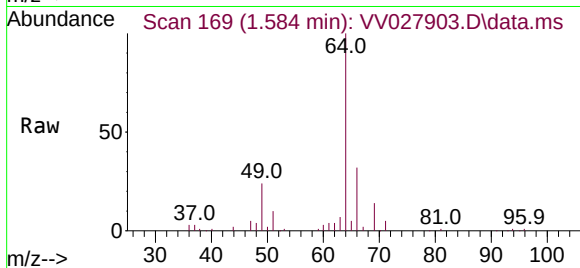




#8  
Chloroethane  
Concen: 5.005 ug/L  
RT: 1.584 min Scan# 169  
Delta R.T. 0.000 min  
Lab File: VV027903.D  
Acq: 17 Sep 2022 16:08

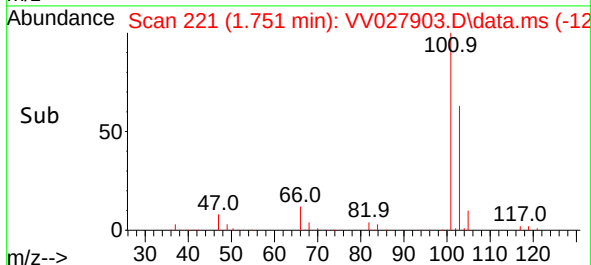
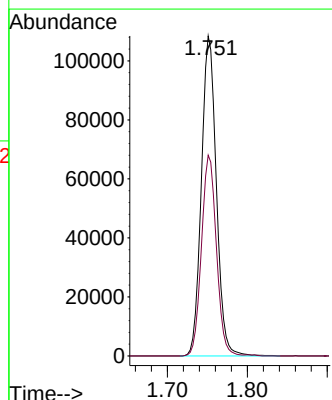
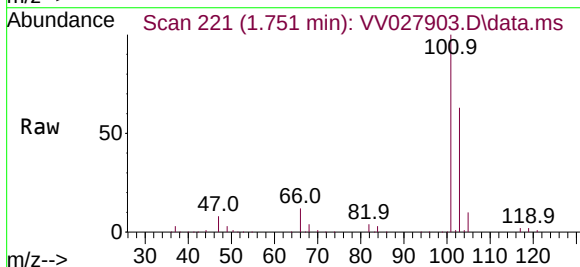
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MSVOA\_V  
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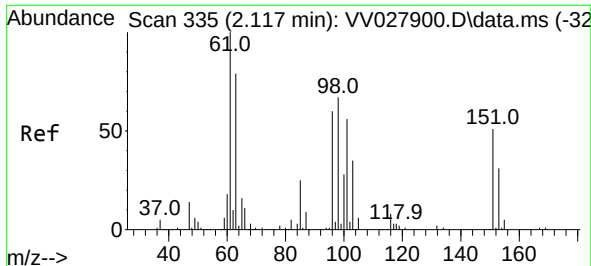
Tgt Ion: 64 Resp: 44600  
Ion Ratio Lower Upper  
64 100  
66 31.8 22.1 41.1



#9  
Trichlorofluoromethane  
Concen: 5.448 ug/L  
RT: 1.751 min Scan# 221  
Delta R.T. 0.000 min  
Lab File: VV027903.D  
Acq: 17 Sep 2022 16:08

Tgt Ion:101 Resp: 141689  
Ion Ratio Lower Upper  
101 100  
103 62.5 52.3 78.5





#10

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

Concen: 5.182 ug/L

RT: 2.114 min Scan# 31

Delta R.T. -0.003 min

Lab File: VV027903.D

Acq: 17 Sep 2022 16:08

Instrument :

MSVOA\_V

ClientSampleId :

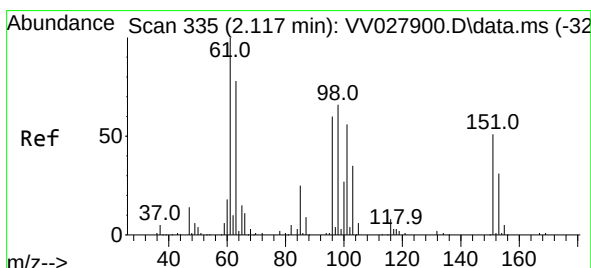
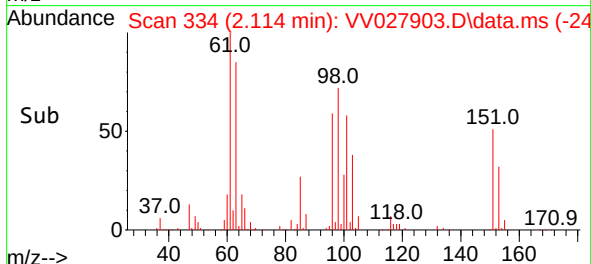
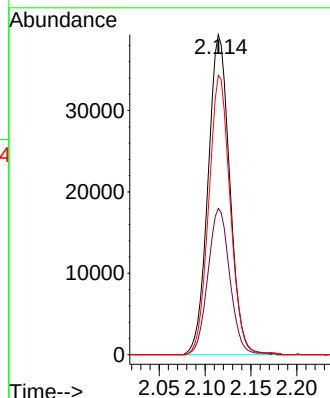
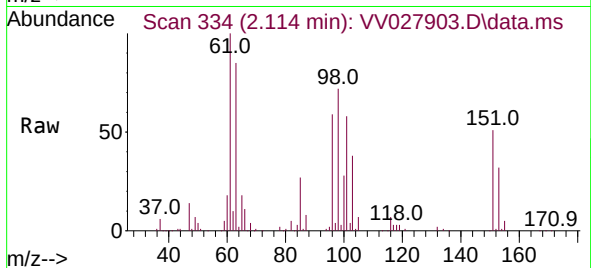
Tgt Ion:101 Resp: 64773

Ion Ratio Lower Upper

101 100

85 46.0 35.8 53.8

151 86.2 61.2 91.8



#12

1,1-Dichloroethene

Concen: 5.038 ug/L

RT: 2.118 min Scan# 335

Delta R.T. 0.000 min

Lab File: VV027903.D

Acq: 17 Sep 2022 16:08

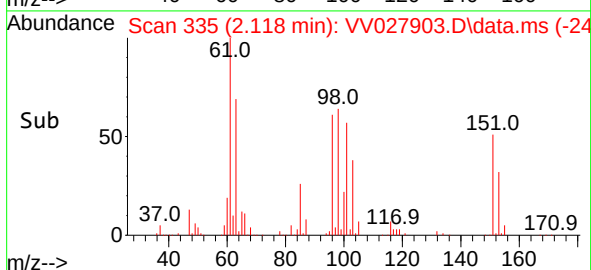
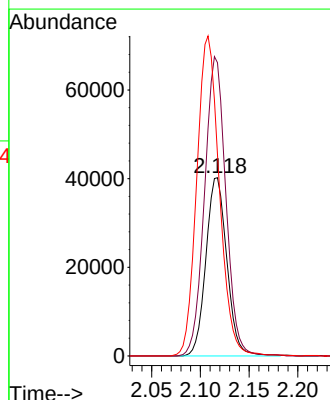
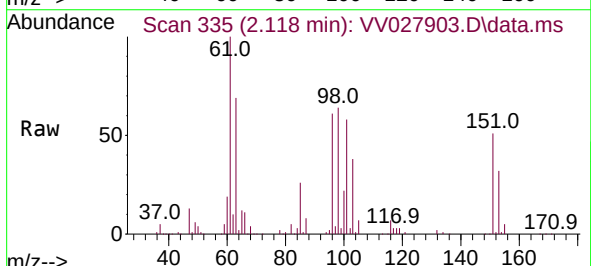
Tgt Ion: 96 Resp: 60098

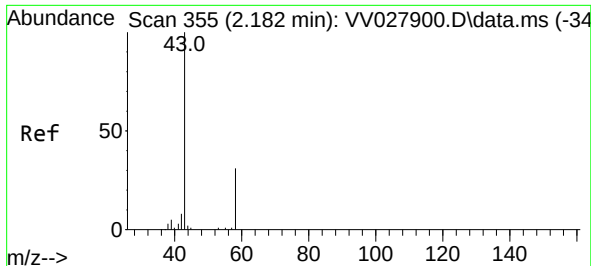
Ion Ratio Lower Upper

96 100

61 164.6 129.9 241.3

63 113.1 94.6 175.8





#13

Acetone

Concen: 53.155 ug/L

RT: 2.179 min Scan# 3

Delta R.T. -0.003 min

Lab File: VV027903.D

Acq: 17 Sep 2022 16:08

Instrument :

MSVOA\_V

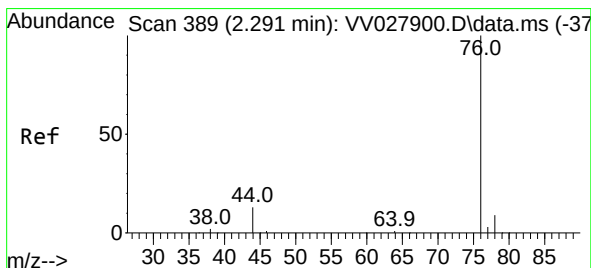
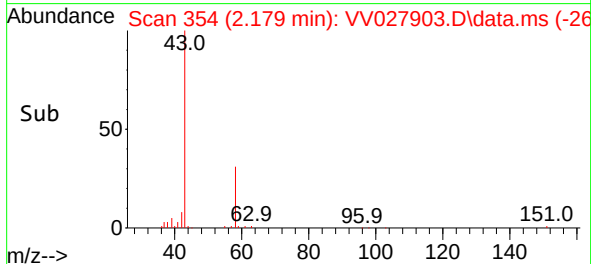
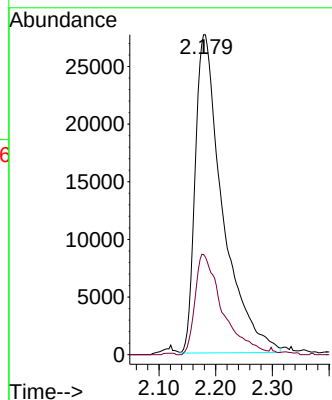
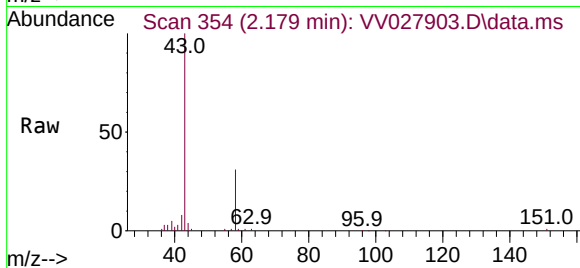
ClientSampleId :

Tgt Ion: 43 Resp: 92789

Ion Ratio Lower Upper

43 100

58 31.5 0.0 49.4



#14

Carbon disulfide

Concen: 5.635 ug/L

RT: 2.291 min Scan# 389

Delta R.T. 0.000 min

Lab File: VV027903.D

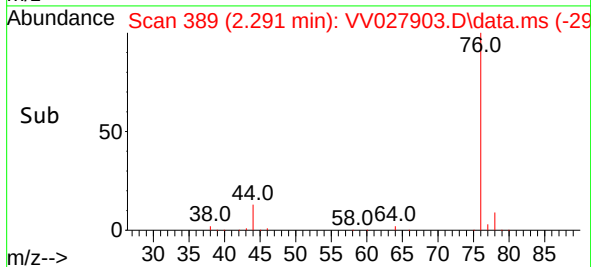
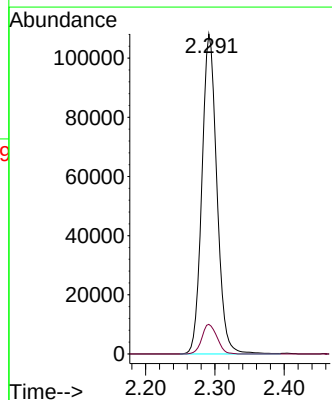
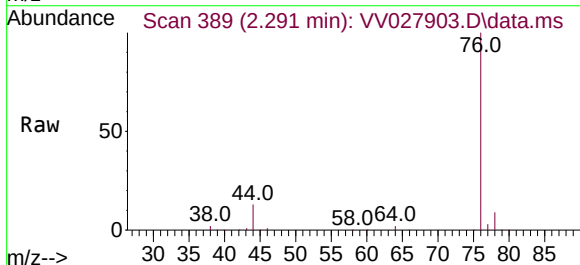
Acq: 17 Sep 2022 16:08

Tgt Ion: 76 Resp: 162255

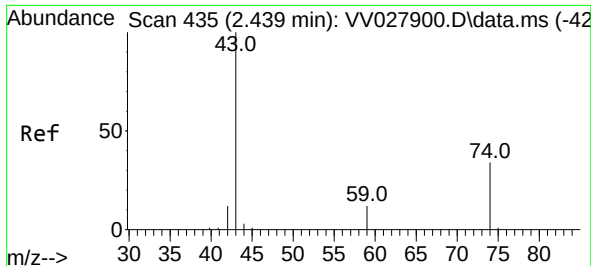
Ion Ratio Lower Upper

76 100

78 9.3 7.7 11.5







#15

Methyl Acetate

Concen: 5.938 ug/L

RT: 2.436 min Scan# 41

Delta R.T. -0.003 min

Lab File: VV027903.D

Acq: 17 Sep 2022 16:08

Instrument :

MSVOA\_V

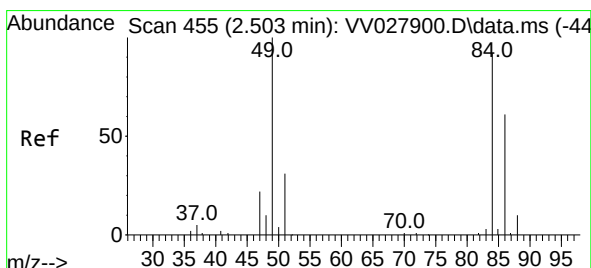
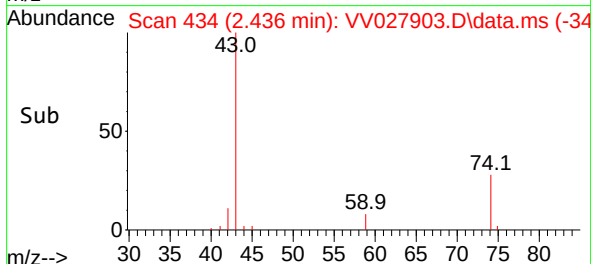
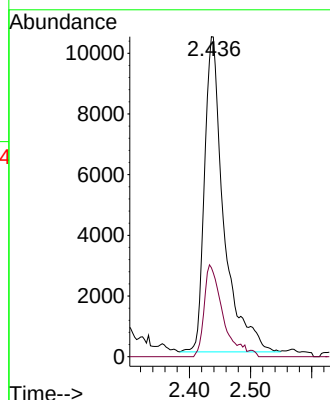
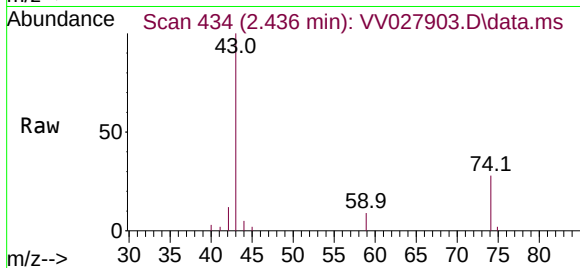
ClientSampleId :

Tgt Ion: 43 Resp: 22759

Ion Ratio Lower Upper

43 100

74 27.8 16.6 25.0#



#16

Methylene chloride

Concen: 5.043 ug/L

RT: 2.503 min Scan# 455

Delta R.T. 0.000 min

Lab File: VV027903.D

Acq: 17 Sep 2022 16:08

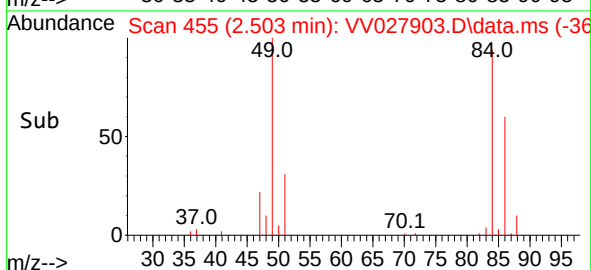
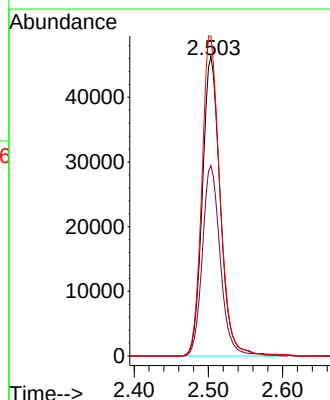
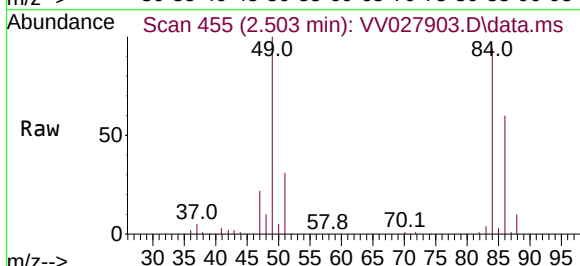
Tgt Ion: 84 Resp: 77813

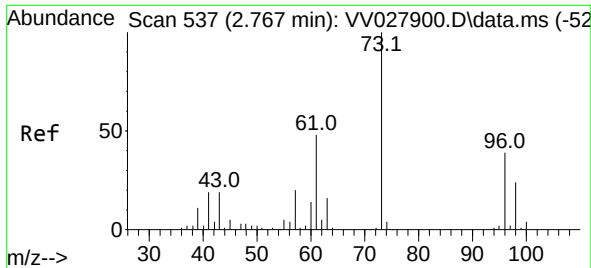
Ion Ratio Lower Upper

84 100

86 63.6 44.9 83.3

49 106.8 90.1 167.3

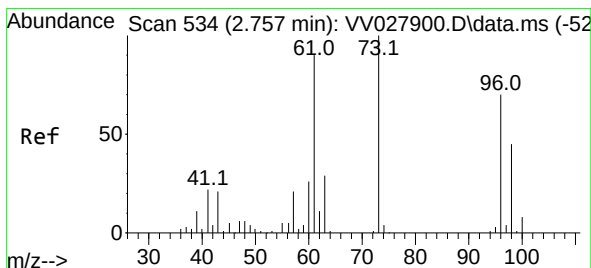
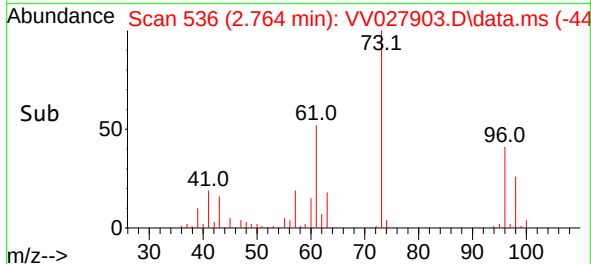
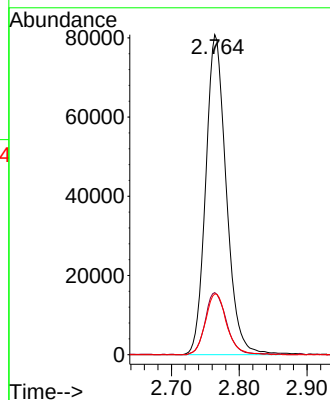
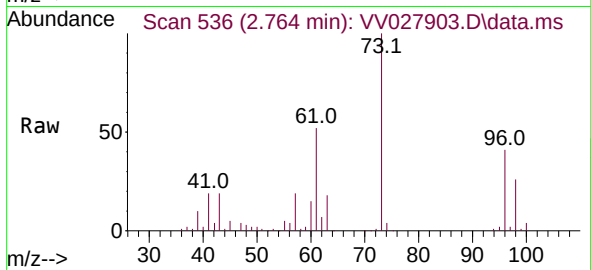




#17  
Methyl tert-butyl Ether  
Concen: 5.538 ug/L  
RT: 2.764 min Scan# 51  
Delta R.T. -0.003 min  
Lab File: VV027903.D  
Acq: 17 Sep 2022 16:08

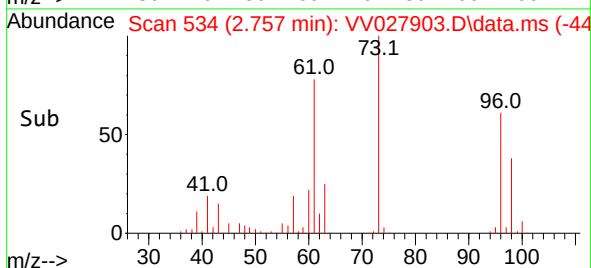
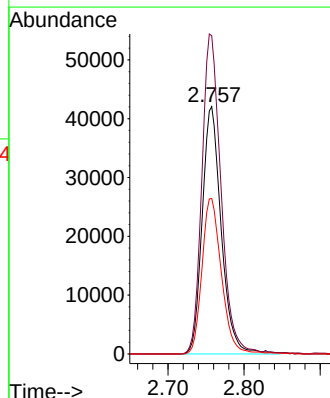
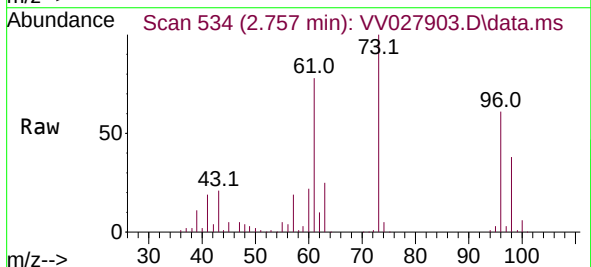
Instrument :  
MSVOA\_V  
ClientSampleId :

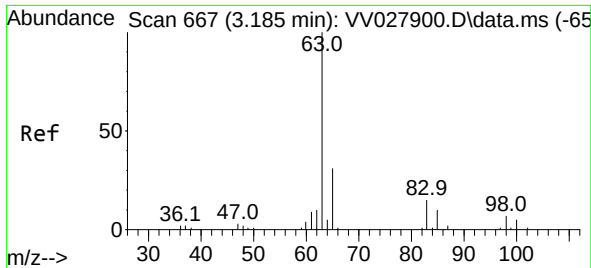
Tgt Ion: 73 Resp: 170120  
Ion Ratio Lower Upper  
73 100  
43 20.0 17.5 26.3  
57 19.6 16.9 25.3



#18  
trans-1,2-Dichloroethene  
Concen: 5.436 ug/L  
RT: 2.757 min Scan# 534  
Delta R.T. 0.000 min  
Lab File: VV027903.D  
Acq: 17 Sep 2022 16:08

Tgt Ion: 96 Resp: 73083  
Ion Ratio Lower Upper  
96 100  
61 128.7 102.6 190.5  
98 62.9 44.0 81.8





#19

1,1-Dichloroethane

Concen: 5.472 ug/L

RT: 3.185 min Scan# 6

Delta R.T. 0.000 min

Lab File: VV027903.D

Acq: 17 Sep 2022 16:08

Instrument :

MSVOA\_V

ClientSampleId :

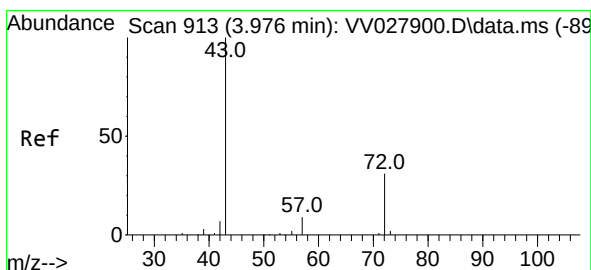
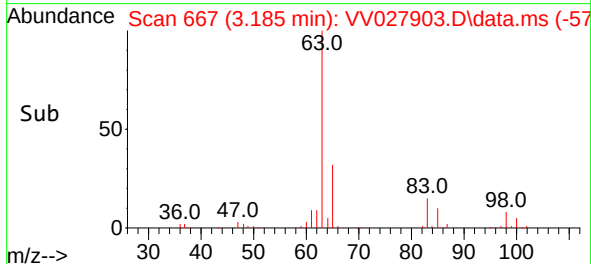
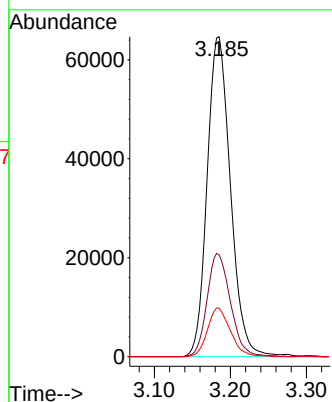
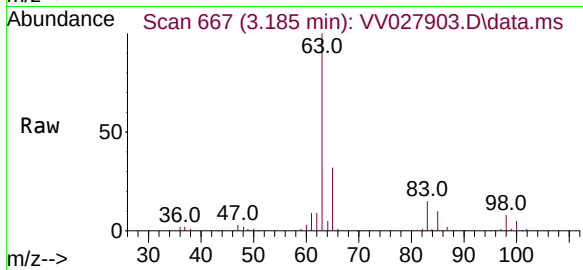
Tgt Ion: 63 Resp: 137697

Ion Ratio Lower Upper

63 100

65 31.9 22.0 41.0

83 15.1 10.1 18.9



#21

2-Butanone

Concen: 61.230 ug/L

RT: 3.966 min Scan# 910

Delta R.T. -0.009 min

Lab File: VV027903.D

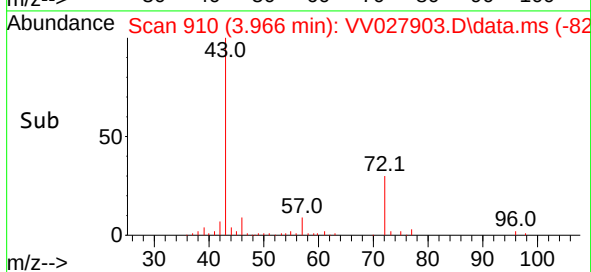
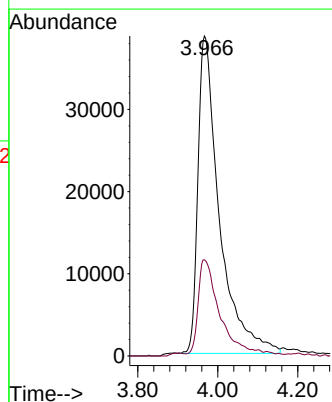
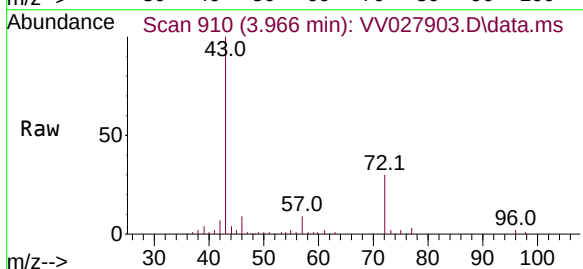
Acq: 17 Sep 2022 16:08

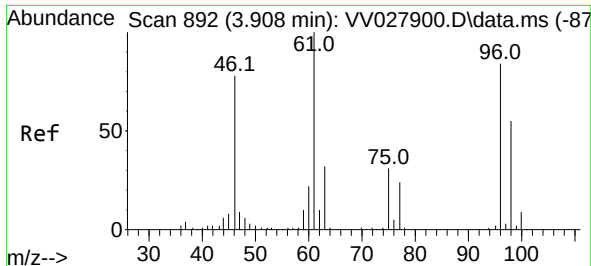
Tgt Ion: 43 Resp: 144085

Ion Ratio Lower Upper

43 100

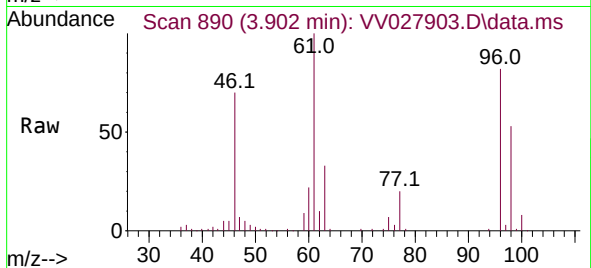
72 28.7 13.0 39.0



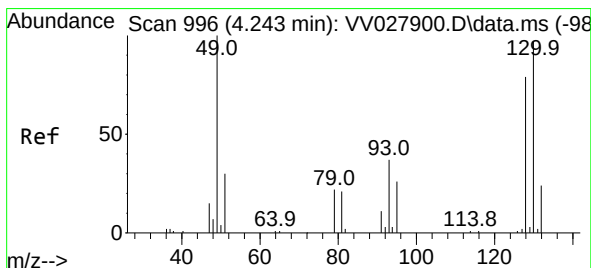
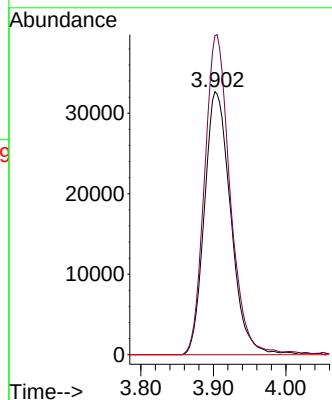
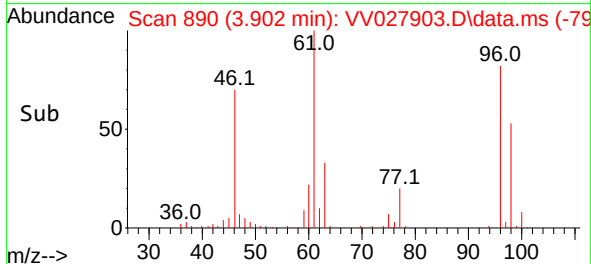


#22  
 cis-1,2-Dichloroethene  
 Concen: 5.431 ug/L  
 RT: 3.902 min Scan# 892  
 Delta R.T. -0.006 min  
 Lab File: VV027903.D  
 Acq: 17 Sep 2022 16:08

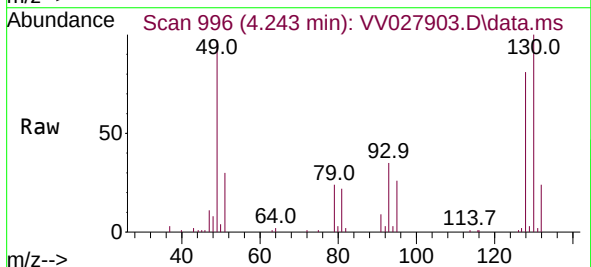
Instrument :  
 MSVOA\_V  
 ClientSampleId :



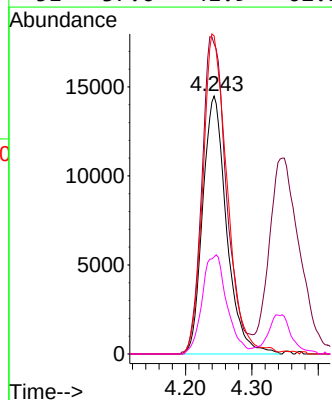
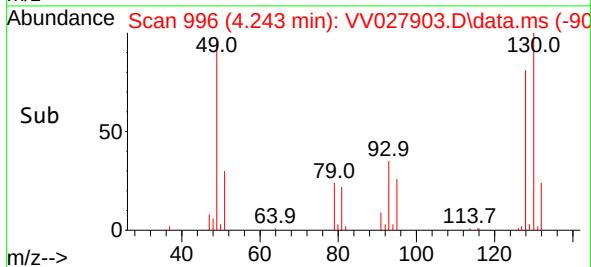
Tgt Ion: 96 Resp: 82144  
 Ion Ratio Lower Upper  
 96 100  
 61 121.3 94.6 175.6  
 68 0.0 0.3 0.5#

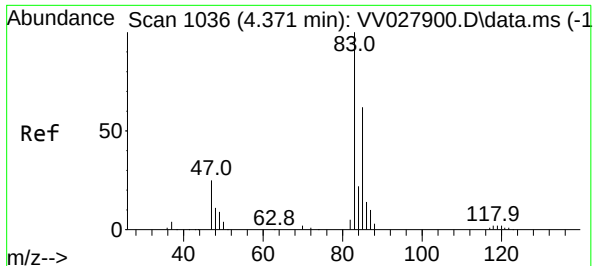


#23  
 Bromochloromethane  
 Concen: 5.226 ug/L  
 RT: 4.243 min Scan# 996  
 Delta R.T. -0.000 min  
 Lab File: VV027903.D  
 Acq: 17 Sep 2022 16:08



Tgt Ion: 128 Resp: 36115  
 Ion Ratio Lower Upper  
 128 100  
 49 120.2 118.4 219.8  
 130 123.4 89.2 165.6  
 51 37.6 41.9 62.9#





#25

Chloroform

Concen: 5.203 ug/L

RT: 4.365 min Scan# 1

Delta R.T. -0.006 min

Lab File: VV027903.D

Acq: 17 Sep 2022 16:08

Instrument :

MSVOA\_V

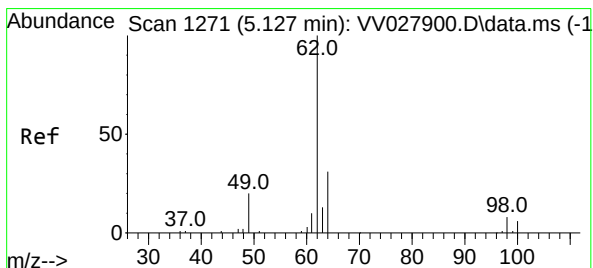
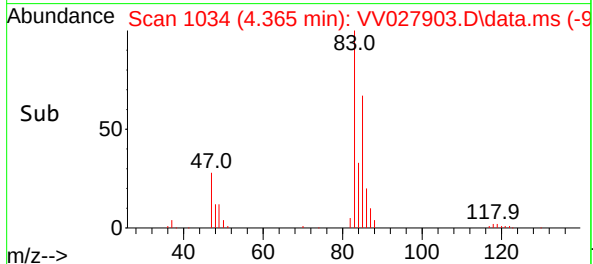
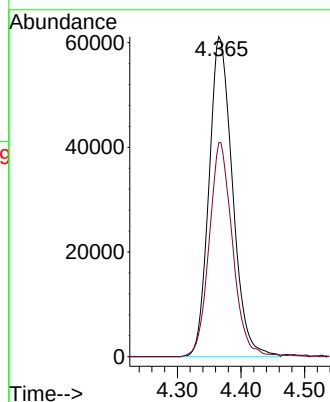
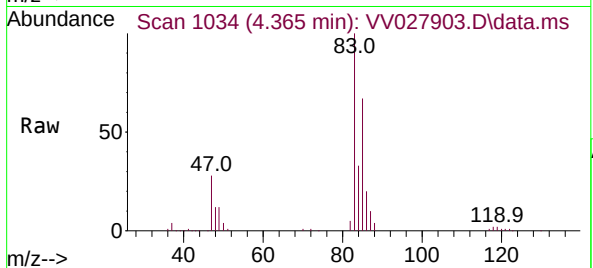
ClientSampleId :

Tgt Ion: 83 Resp: 157064

Ion Ratio Lower Upper

83 100

85 66.8 45.4 84.2



#27

1,2-Dichloroethane

Concen: 5.321 ug/L

RT: 5.124 min Scan# 1270

Delta R.T. -0.003 min

Lab File: VV027903.D

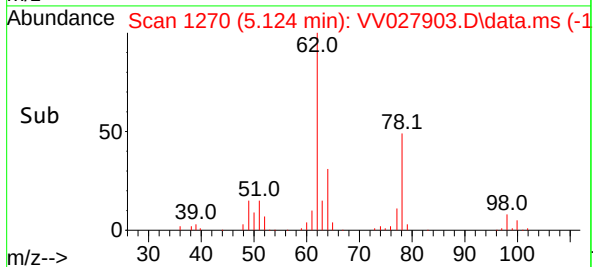
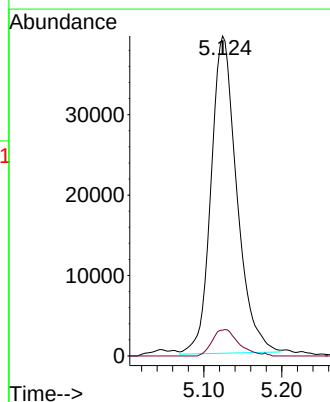
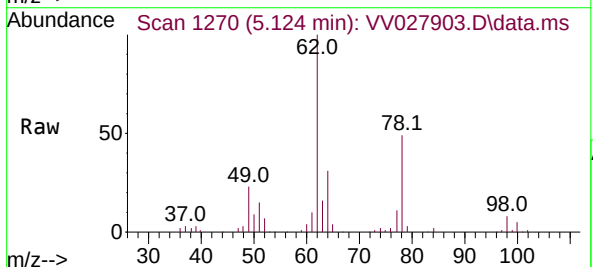
Acq: 17 Sep 2022 16:08

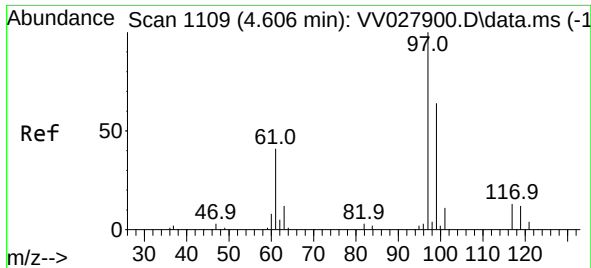
Tgt Ion: 62 Resp: 90854

Ion Ratio Lower Upper

62 100

98 8.1 7.1 10.7





#29

1,1,1-Trichloroethane

Concen: 5.521 ug/L

RT: 4.600 min Scan# 1109

Delta R.T. -0.006 min

Lab File: VV027903.D

Acq: 17 Sep 2022 16:08

Instrument :

MSVOA\_V

ClientSampleId :

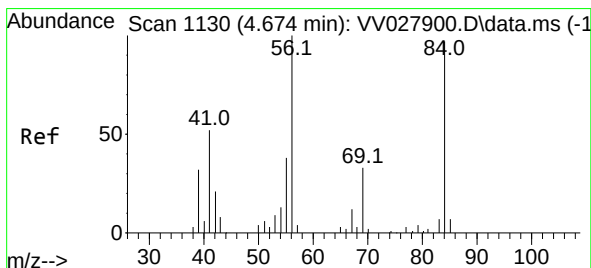
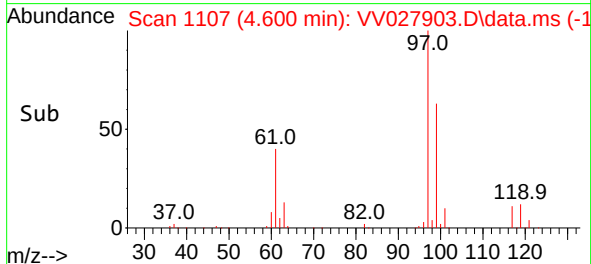
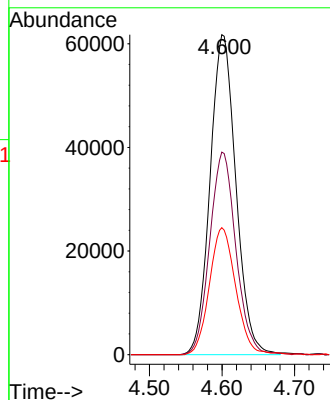
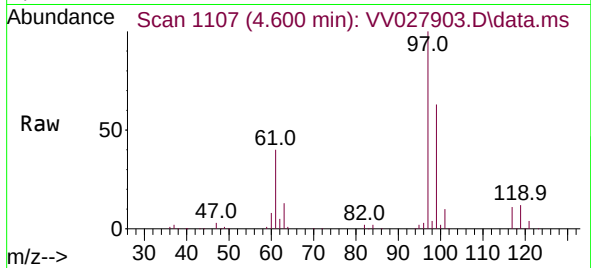
Tgt Ion: 97 Resp: 152960

Ion Ratio Lower Upper

97 100

99 64.2 50.8 76.2

61 40.3 36.2 54.4



#30

Cyclohexane

Concen: 5.692 ug/L

RT: 4.670 min Scan# 1129

Delta R.T. -0.003 min

Lab File: VV027903.D

Acq: 17 Sep 2022 16:08

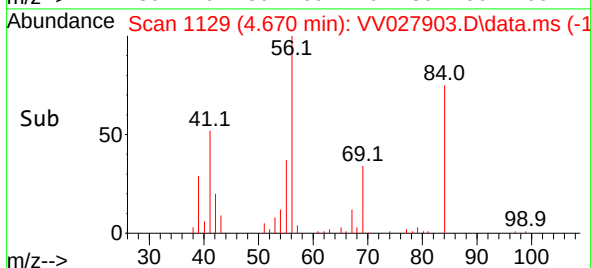
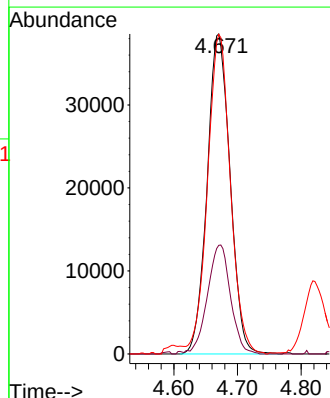
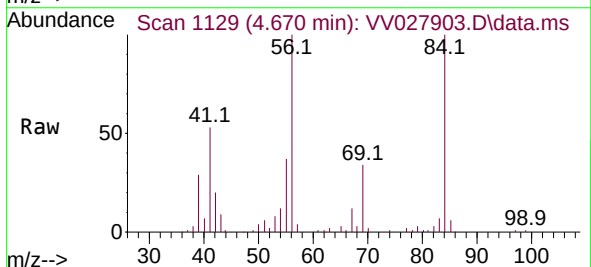
Tgt Ion: 56 Resp: 96734

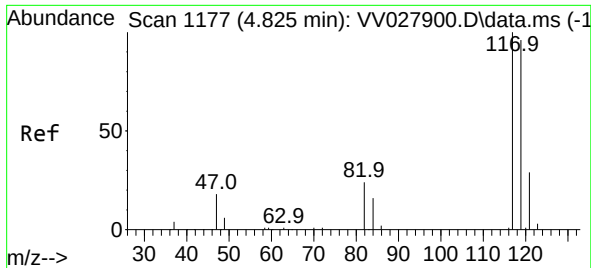
Ion Ratio Lower Upper

56 100

69 34.1 25.4 38.2

84 99.2 73.8 110.8

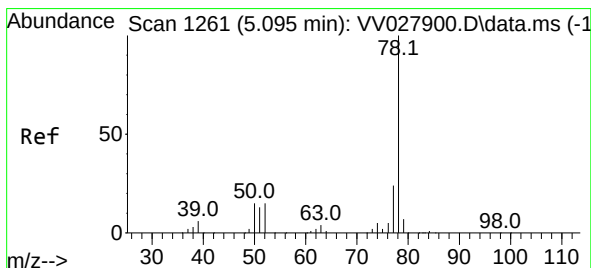
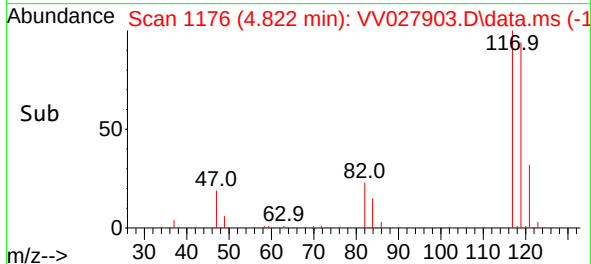
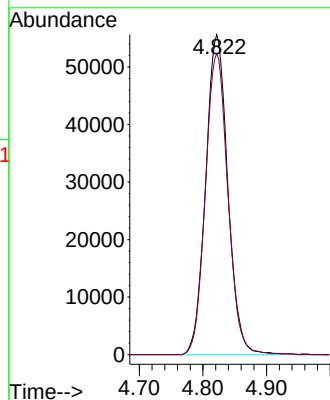
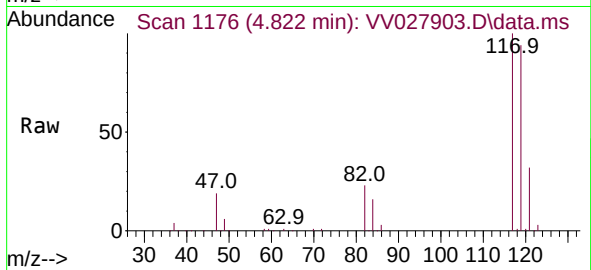




#31  
Carbon tetrachloride  
Concen: 5.467 ug/L  
RT: 4.822 min Scan# 1177  
Delta R.T. -0.003 min  
Lab File: VV027903.D  
Acq: 17 Sep 2022 16:08

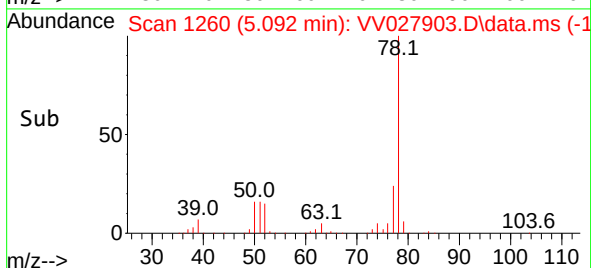
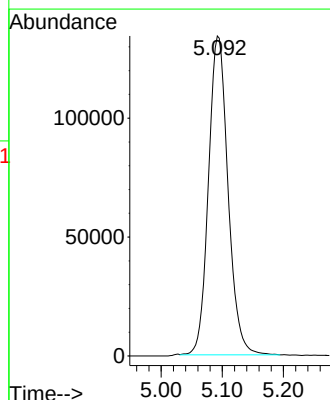
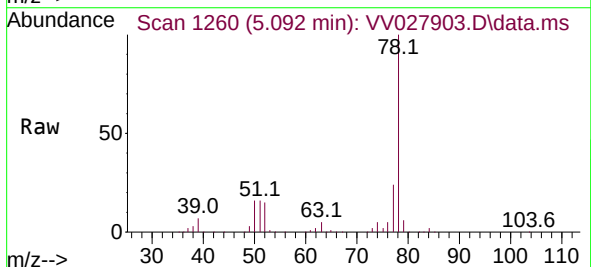
Instrument :  
MSVOA\_V  
ClientSampleId :

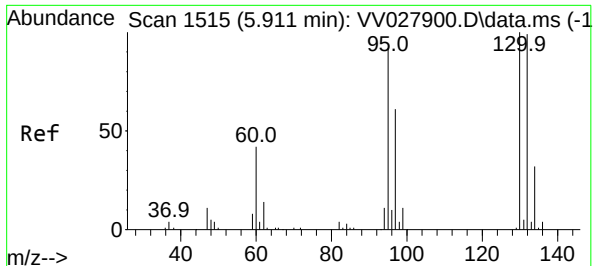
Tgt Ion:117 Resp: 134248  
Ion Ratio Lower Upper  
117 100  
119 95.7 75.8 113.8



#33  
Benzene  
Concen: 5.396 ug/L  
RT: 5.092 min Scan# 1260  
Delta R.T. -0.003 min  
Lab File: VV027903.D  
Acq: 17 Sep 2022 16:08

Tgt Ion: 78 Resp: 298173





#34

Trichloroethene

Concen: 5.469 ug/L

RT: 5.908 min Scan# 1

Delta R.T. -0.003 min

Lab File: VV027903.D

Acq: 17 Sep 2022 16:08

Instrument :

MSVOA\_V

ClientSampleId :

Tgt Ion: 95 Resp: 81656

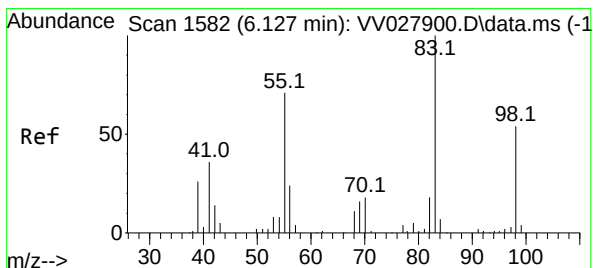
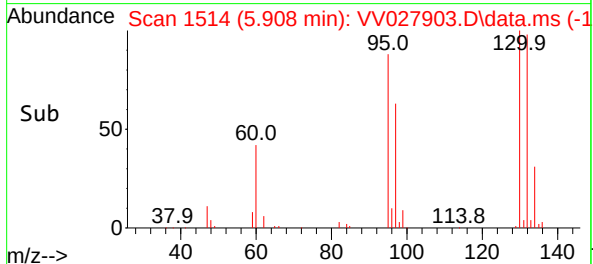
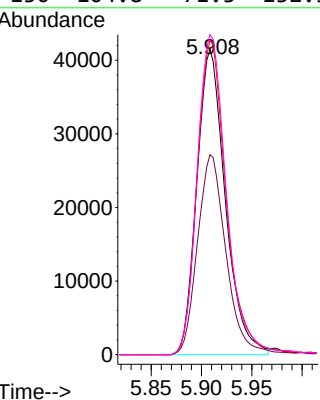
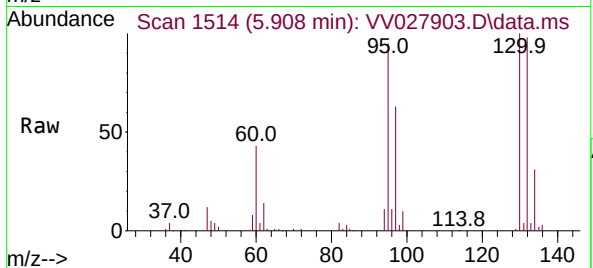
Ion Ratio Lower Upper

95 100

97 65.5 42.9 79.7

132 102.9 67.9 126.1

130 104.8 71.3 132.3



#35

Methylcyclohexane

Concen: 5.553 ug/L

RT: 6.124 min Scan# 1581

Delta R.T. -0.003 min

Lab File: VV027903.D

Acq: 17 Sep 2022 16:08

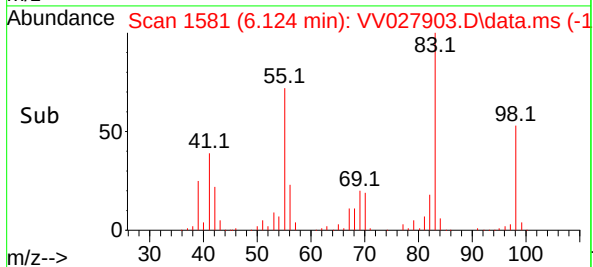
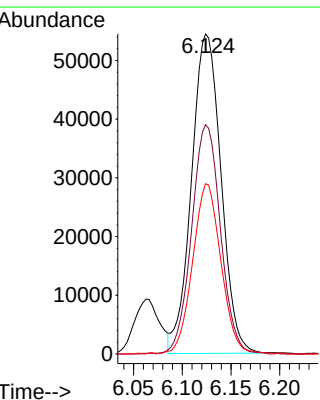
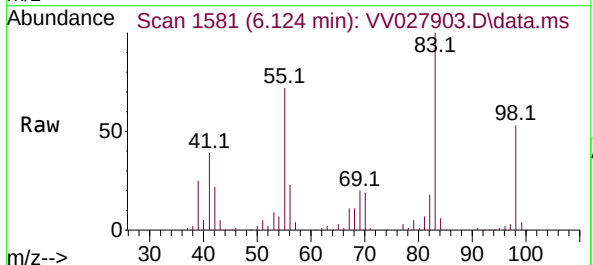
Tgt Ion: 83 Resp: 114788

Ion Ratio Lower Upper

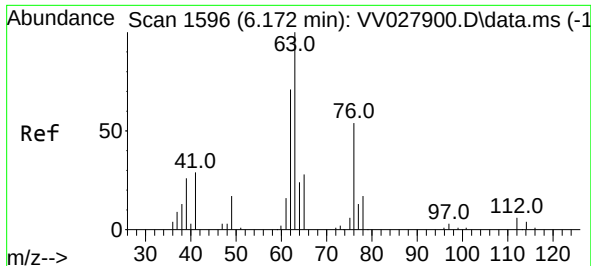
83 100

55 70.2 61.9 92.9

98 51.1 37.5 56.3







#37

1,2-Dichloropropane

Concen: 5.668 ug/L

RT: 6.169 min Scan# 1

Delta R.T. -0.003 min

Lab File: VV027903.D

Acq: 17 Sep 2022 16:08

Instrument :

MSVOA\_V

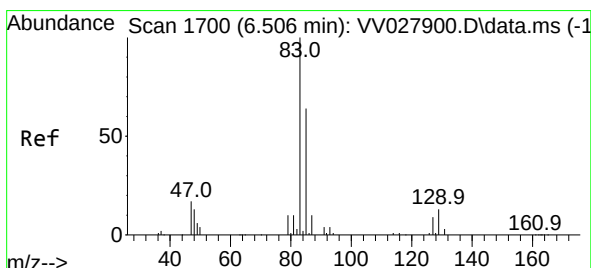
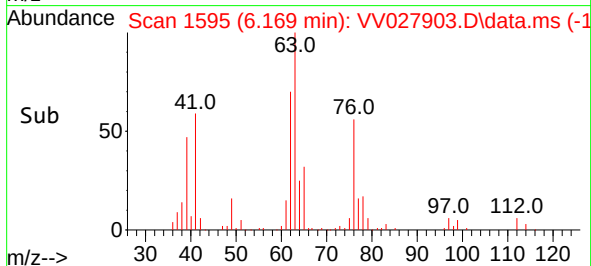
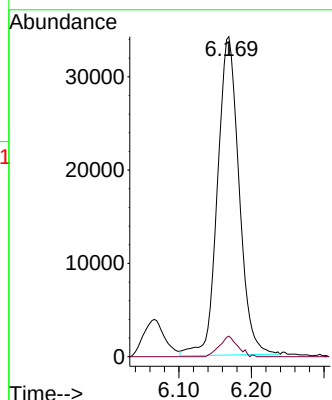
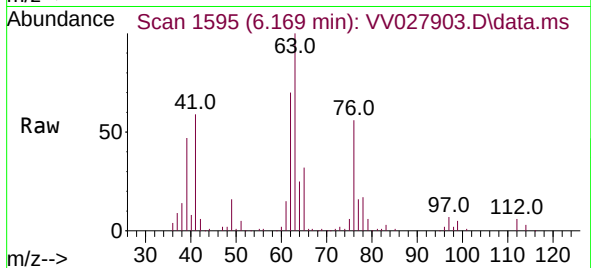
ClientSampleId :

Tgt Ion: 63 Resp: 70539

Ion Ratio Lower Upper

63 100

112 5.4 4.0 6.0



#38

Bromodichloromethane

Concen: 5.421 ug/L

RT: 6.503 min Scan# 1699

Delta R.T. -0.003 min

Lab File: VV027903.D

Acq: 17 Sep 2022 16:08

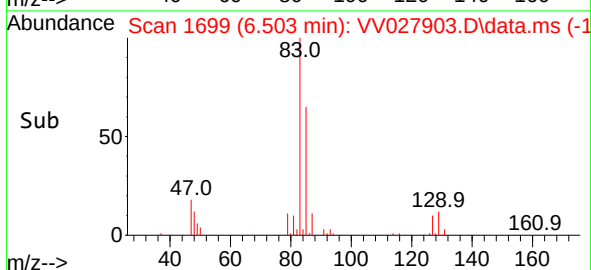
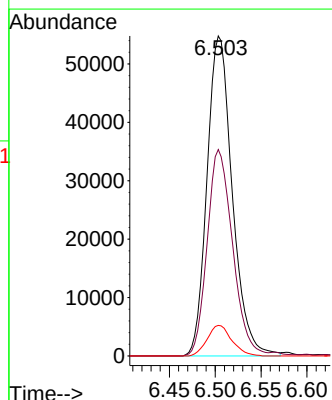
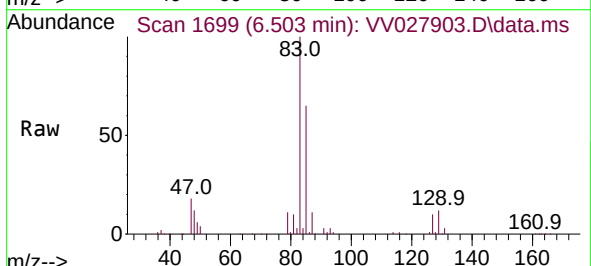
Tgt Ion: 83 Resp: 105267

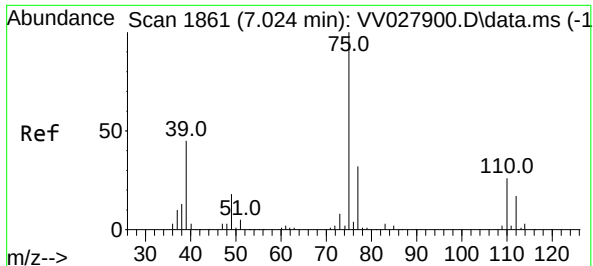
Ion Ratio Lower Upper

83 100

85 64.5 43.3 80.3

127 9.5 7.1 10.7





#39

cis-1,3-Dichloropropene

Concen: 5.627 ug/L

RT: 7.021 min Scan# 1860

Delta R.T. -0.003 min

Lab File: VV027903.D

Acq: 17 Sep 2022 16:08

Instrument :

MSVOA\_V

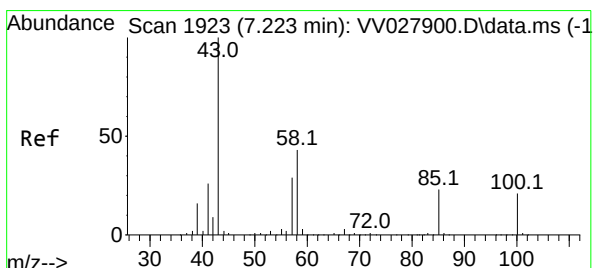
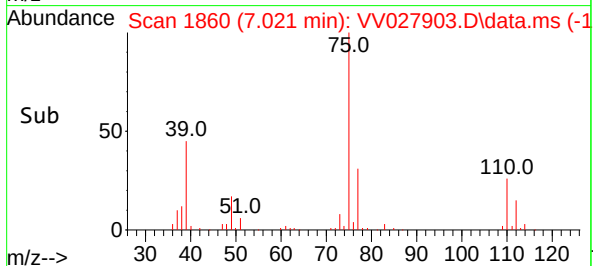
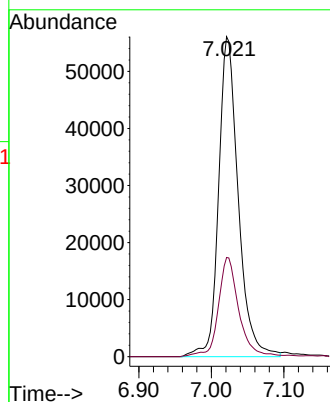
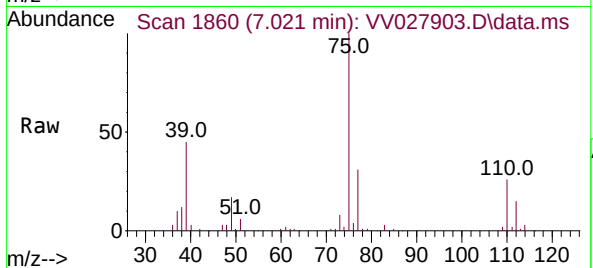
ClientSampleId :

Tgt Ion: 75 Resp: 105366

Ion Ratio Lower Upper

75 100

77 31.0 22.0 40.8



#40

4-Methyl-2-pentanone

Concen: 57.687 ug/L

RT: 7.223 min Scan# 1923

Delta R.T. 0.000 min

Lab File: VV027903.D

Acq: 17 Sep 2022 16:08

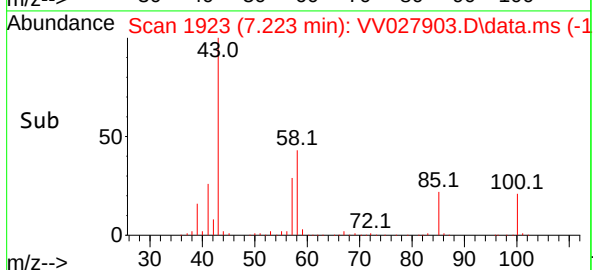
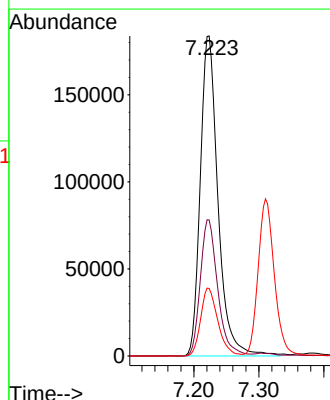
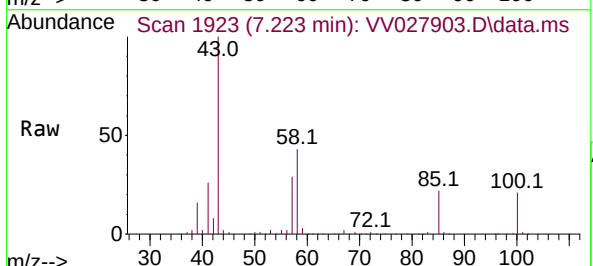
Tgt Ion: 43 Resp: 348807

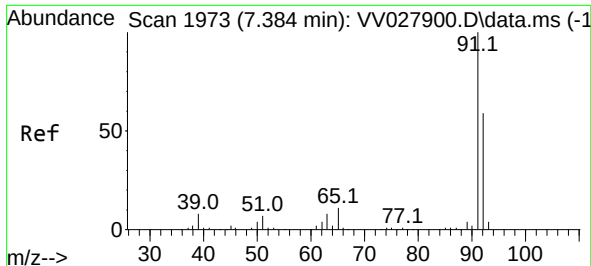
Ion Ratio Lower Upper

43 100

58 42.0 30.9 46.3

100 20.6 13.4 20.0#





#42

Toluene

Concen: 5.598 ug/L

RT: 7.381 min Scan# 1973

Delta R.T. -0.003 min

Lab File: VV027903.D

Acq: 17 Sep 2022 16:08

Instrument :

MSVOA\_V

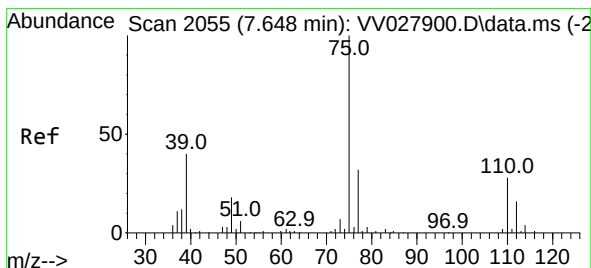
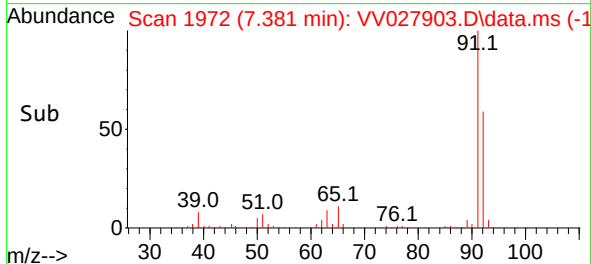
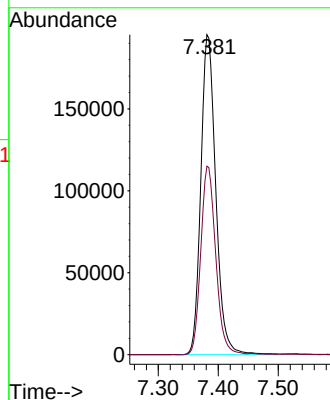
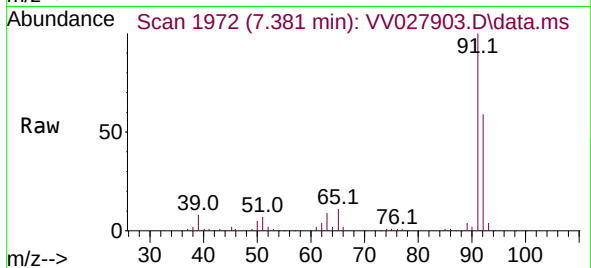
ClientSampleId :

Tgt Ion: 91 Resp: 339673

Ion Ratio Lower Upper

91 100

92 58.9 40.8 75.8



#44

trans-1,3-Dichloropropene

Concen: 5.660 ug/L

RT: 7.648 min Scan# 2055

Delta R.T. 0.000 min

Lab File: VV027903.D

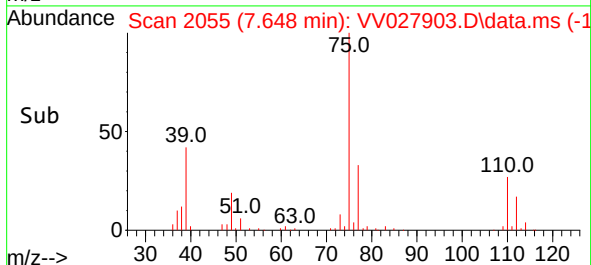
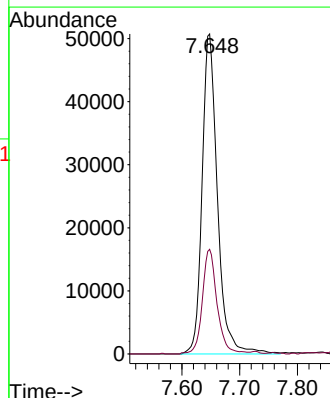
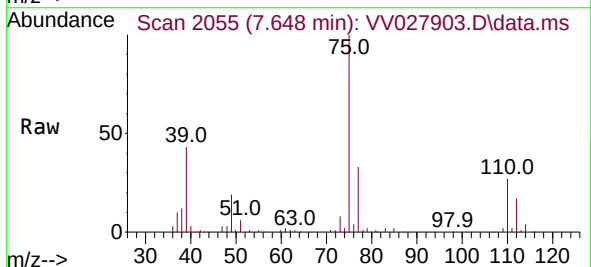
Acq: 17 Sep 2022 16:08

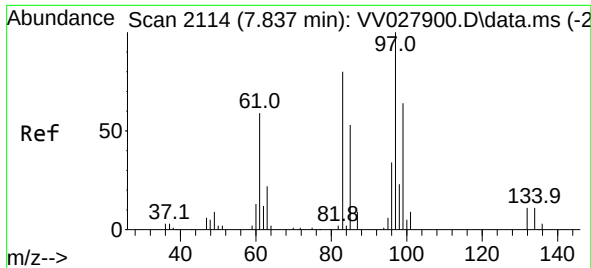
Tgt Ion: 75 Resp: 93644

Ion Ratio Lower Upper

75 100

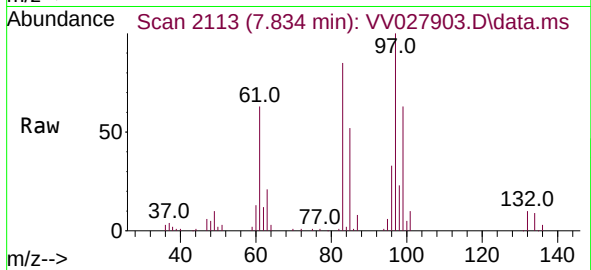
77 32.7 22.6 42.0



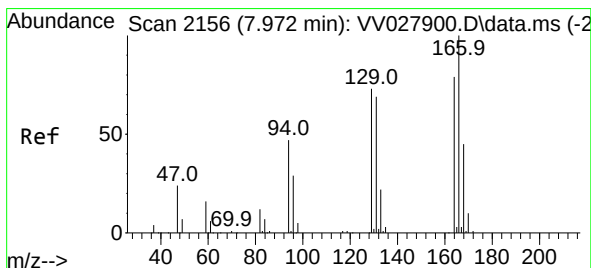
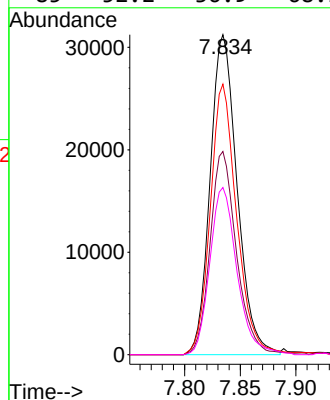
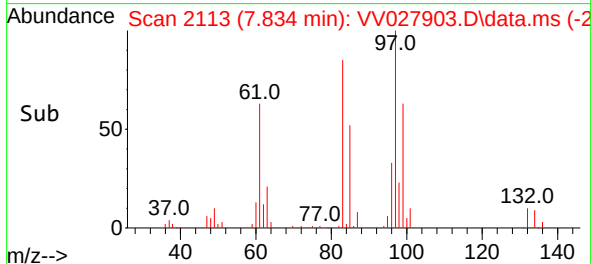


#45  
1,1,2-Trichloroethane  
Concen: 5.450 ug/L  
RT: 7.834 min Scan# 2113  
Delta R.T. -0.003 min  
Lab File: VV027903.D  
Acq: 17 Sep 2022 16:08

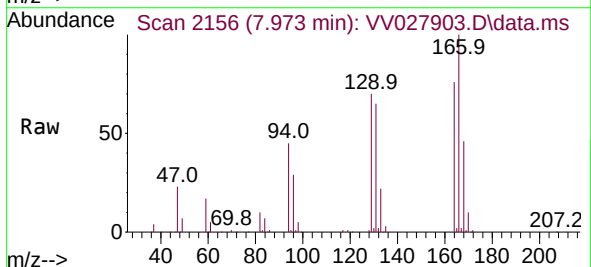
Instrument :  
MSVOA\_V  
ClientSampleId :



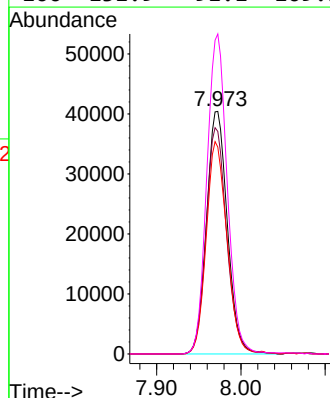
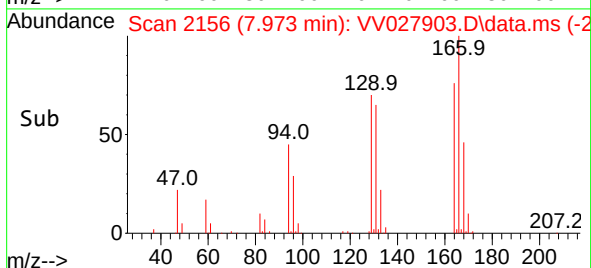
| Tgt Ion: | 97    | Resp: | 52678 |
|----------|-------|-------|-------|
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 99       | 63.5  | 44.2  | 82.0  |
| 83       | 84.5  | 60.3  | 112.1 |
| 85       | 52.2  | 36.9  | 68.5  |

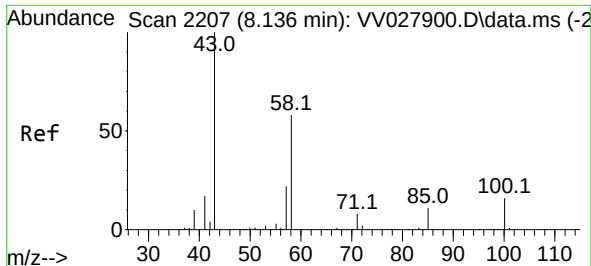


#47  
Tetrachloroethene  
Concen: 5.583 ug/L  
RT: 7.973 min Scan# 2156  
Delta R.T. 0.000 min  
Lab File: VV027903.D  
Acq: 17 Sep 2022 16:08



| Tgt Ion: | 164   | Resp: | 69636 |
|----------|-------|-------|-------|
| Ion      | Ratio | Lower | Upper |
| 164      | 100   |       |       |
| 129      | 91.7  | 67.2  | 124.8 |
| 131      | 85.3  | 61.5  | 114.3 |
| 166      | 131.9 | 91.1  | 169.3 |

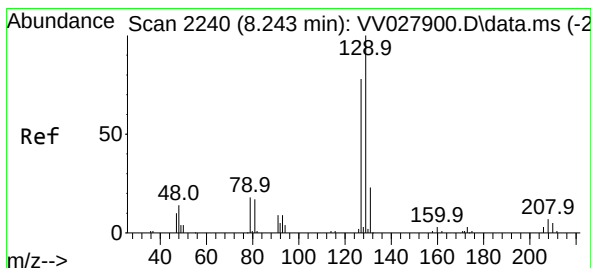
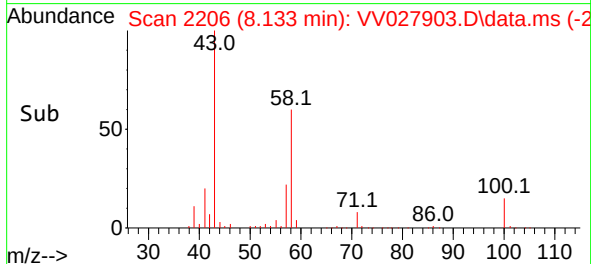
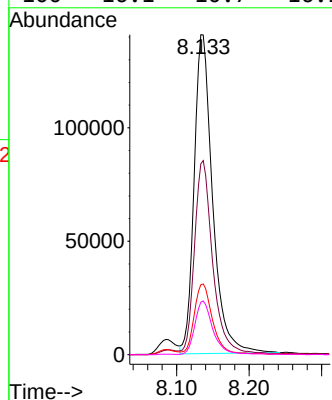
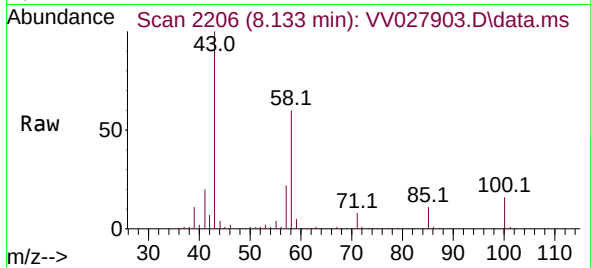




#48  
2-Hexanone  
Concen: 57.481 ug/L  
RT: 8.133 min Scan# 21  
Delta R.T. -0.003 min  
Lab File: VV027903.D  
Acq: 17 Sep 2022 16:08

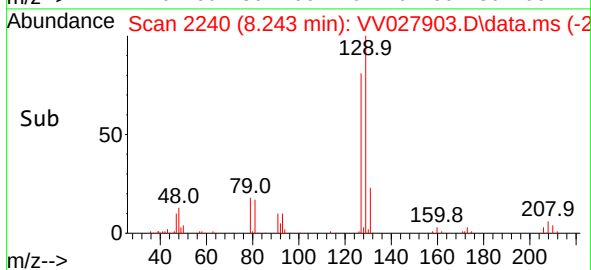
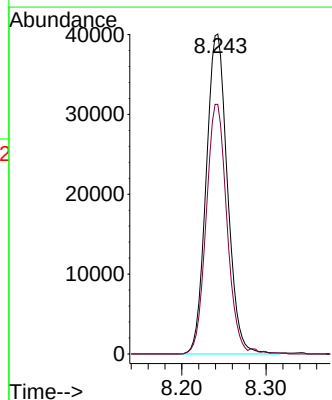
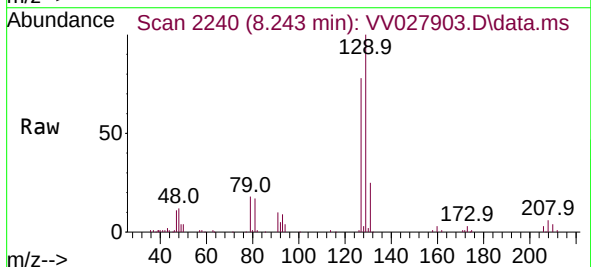
Instrument :  
MSVOA\_V  
ClientSampleId :

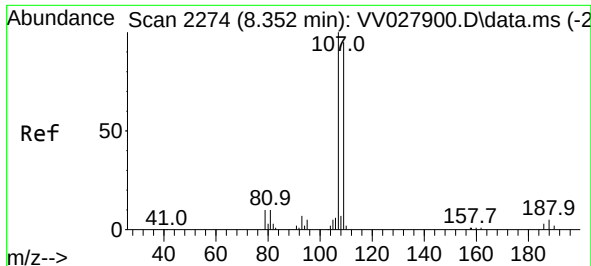
Tgt Ion: 43 Resp: 249409  
Ion Ratio Lower Upper  
43 100  
58 59.8 43.2 64.8  
57 21.5 15.6 23.4  
100 16.1 10.7 16.1#



#49  
Dibromochloromethane  
Concen: 5.542 ug/L  
RT: 8.243 min Scan# 2240  
Delta R.T. 0.000 min  
Lab File: VV027903.D  
Acq: 17 Sep 2022 16:08

Tgt Ion: 129 Resp: 70263  
Ion Ratio Lower Upper  
129 100  
127 78.0 55.2 102.6

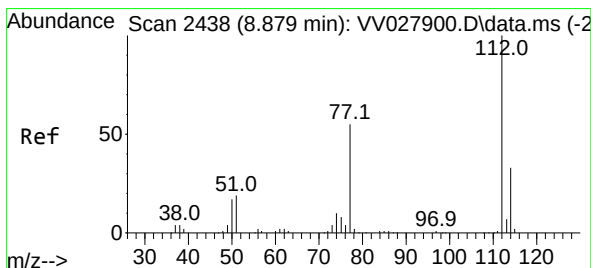
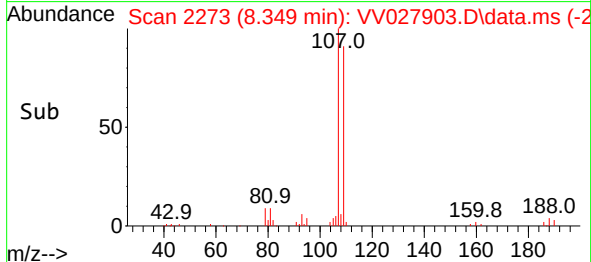
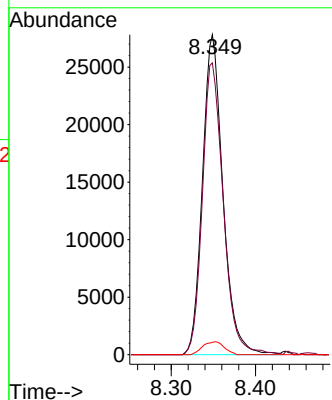
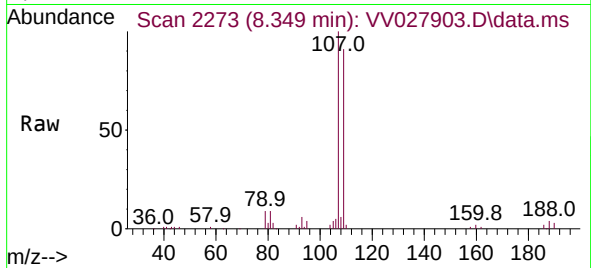




#50  
1,2-Dibromoethane  
Concen: 5.438 ug/L  
RT: 8.349 min Scan# 21  
Delta R.T. -0.003 min  
Lab File: VV027903.D  
Acq: 17 Sep 2022 16:08

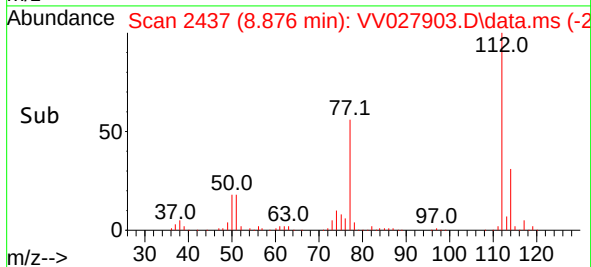
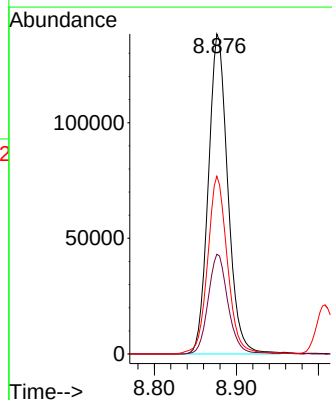
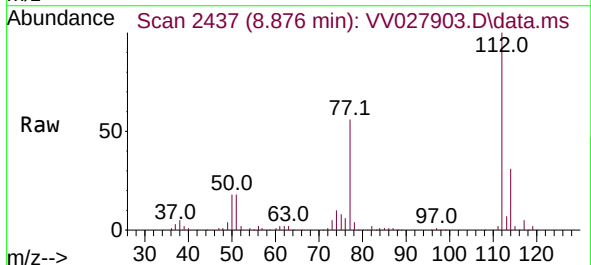
Instrument :  
MSVOA\_V  
ClientSampleId :

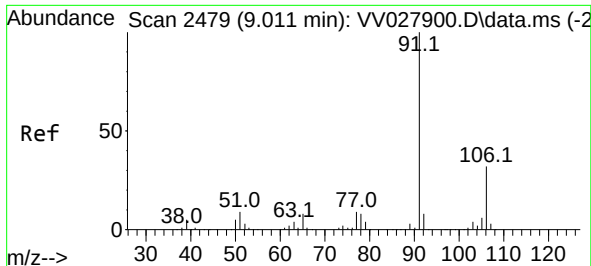
Tgt Ion:107 Resp: 47125  
Ion Ratio Lower Upper  
107 100  
109 91.2 65.9 122.5  
188 3.8 3.1 4.7



#51  
Chlorobenzene  
Concen: 5.506 ug/L  
RT: 8.876 min Scan# 2437  
Delta R.T. -0.003 min  
Lab File: VV027903.D  
Acq: 17 Sep 2022 16:08

Tgt Ion:112 Resp: 228659  
Ion Ratio Lower Upper  
112 100  
114 31.2 21.7 40.3  
77 55.6 45.3 67.9

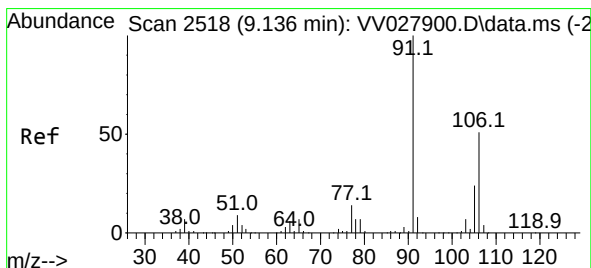
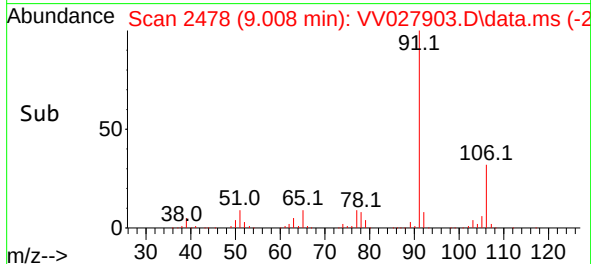
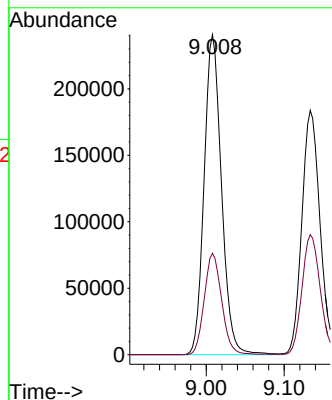
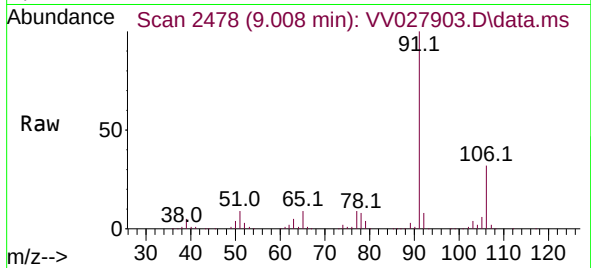




#52  
Ethylbenzene  
Concen: 5.644 ug/L  
RT: 9.008 min Scan# 2479  
Delta R.T. -0.003 min  
Lab File: VV027903.D  
Acq: 17 Sep 2022 16:08

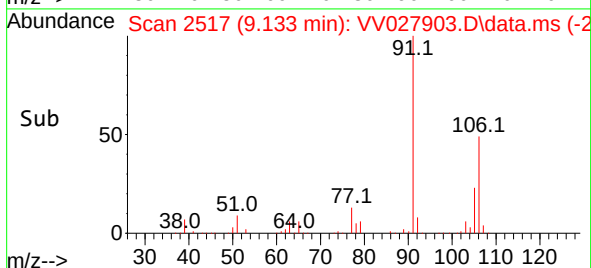
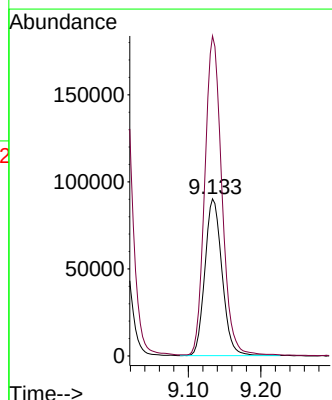
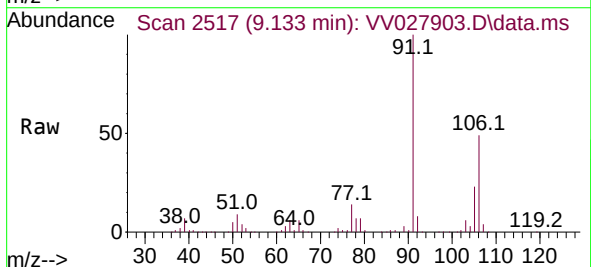
Instrument :  
MSVOA\_V  
ClientSampleId :

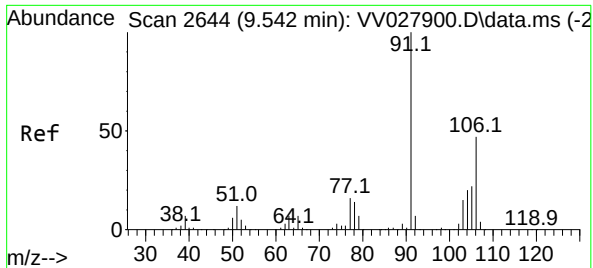
Tgt Ion: 91 Resp: 372731  
Ion Ratio Lower Upper  
91 100  
106 31.7 22.0 40.8



#53  
m,p-Xylene  
Concen: 5.652 ug/L  
RT: 9.133 min Scan# 2517  
Delta R.T. -0.003 min  
Lab File: VV027903.D  
Acq: 17 Sep 2022 16:08

Tgt Ion: 106 Resp: 147864  
Ion Ratio Lower Upper  
106 100  
91 203.7 142.4 264.4

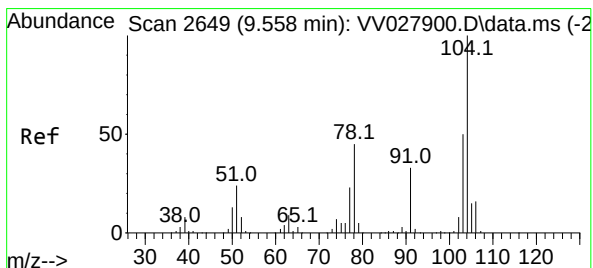
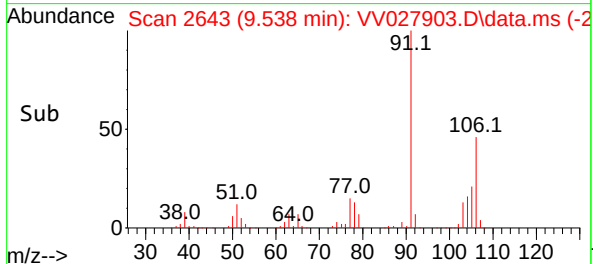
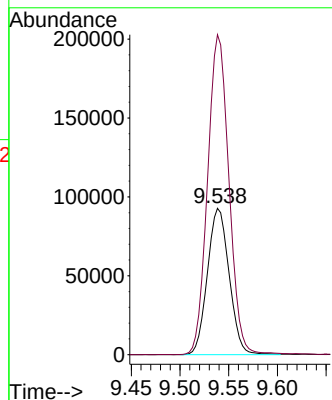
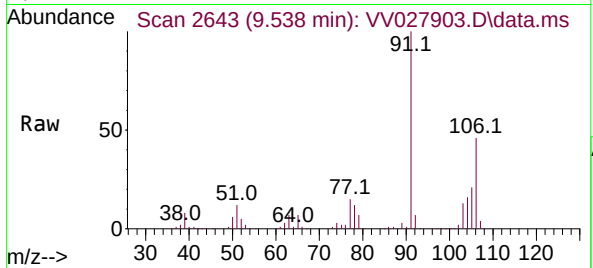




#54  
o-Xylene  
Concen: 5.673 ug/L  
RT: 9.538 min Scan# 2643  
Delta R.T. -0.003 min  
Lab File: VV027903.D  
Acq: 17 Sep 2022 16:08

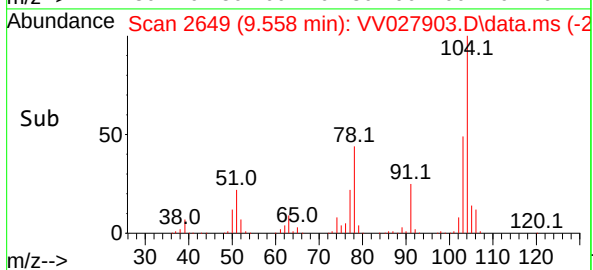
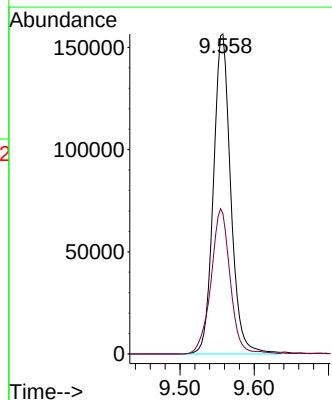
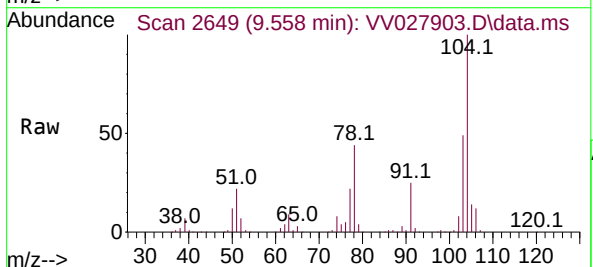
Instrument :  
MSVOA\_V  
ClientSampleId :

Tgt Ion:106 Resp: 144183  
Ion Ratio Lower Upper  
106 100  
91 218.5 147.5 273.9

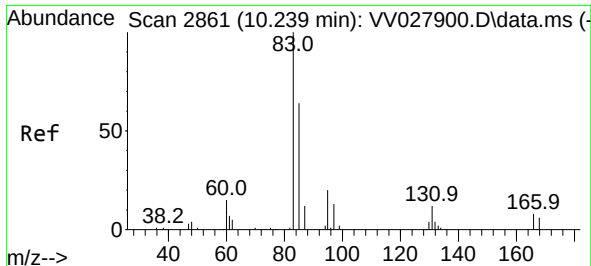


#55  
Styrene  
Concen: 5.790 ug/L  
RT: 9.558 min Scan# 2649  
Delta R.T. 0.000 min  
Lab File: VV027903.D  
Acq: 17 Sep 2022 16:08

Tgt Ion:104 Resp: 254330  
Ion Ratio Lower Upper  
104 100  
78 43.9 31.7 58.9



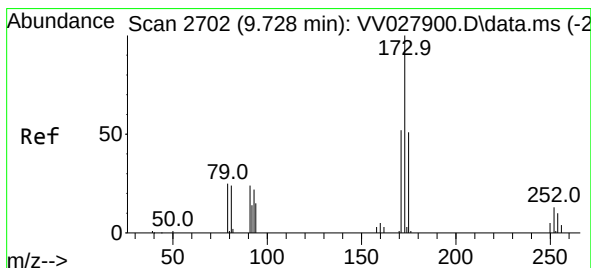
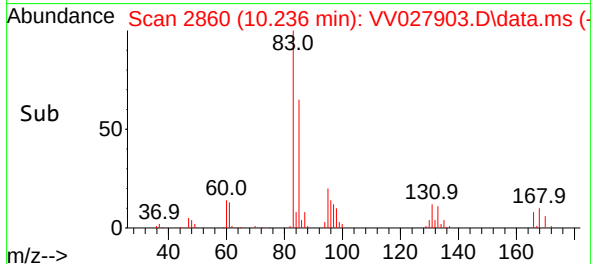
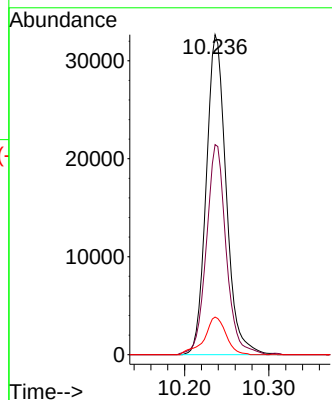
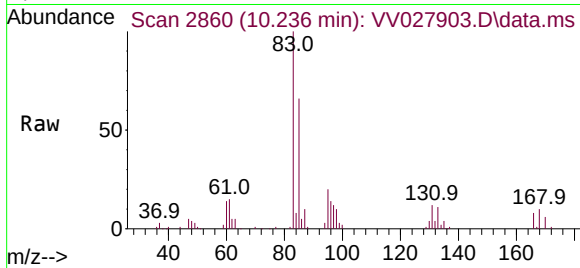




#57  
 1,1,2,2-Tetrachloroethane  
 Concen: 5.417 ug/L  
 RT: 10.236 min Scan# 2861  
 Delta R.T. -0.003 min  
 Lab File: VV027903.D  
 Acq: 17 Sep 2022 16:08

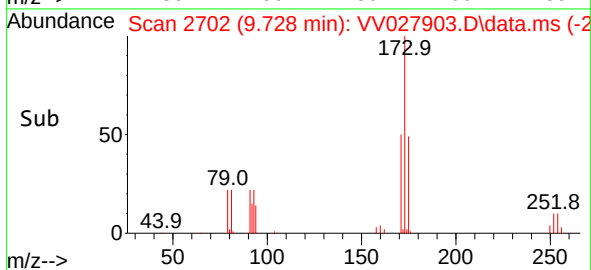
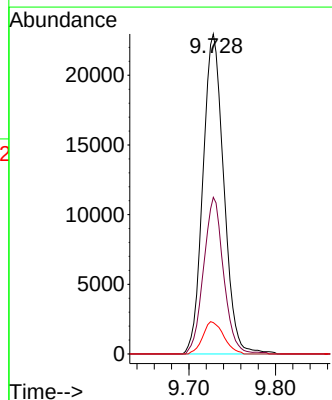
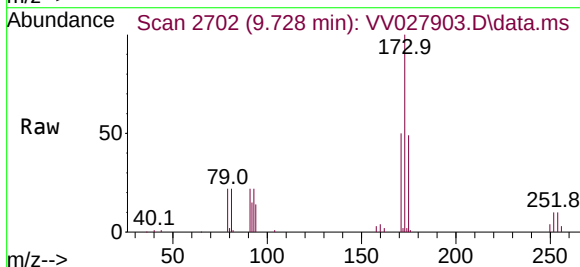
Instrument :  
 MSVOA\_V  
 ClientSampleId :

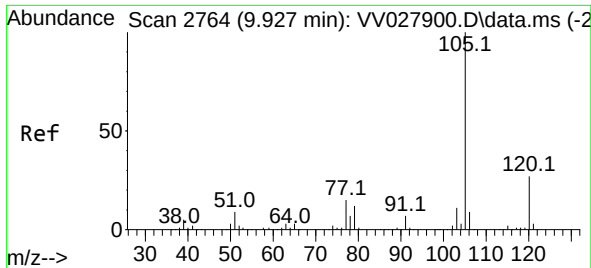
Tgt Ion: 83 Resp: 53731  
 Ion Ratio Lower Upper  
 83 100  
 85 65.6 44.7 83.1  
 131 11.8 8.5 12.7



#59  
 Bromoform  
 Concen: 5.268 ug/L  
 RT: 9.728 min Scan# 2702  
 Delta R.T. 0.000 min  
 Lab File: VV027903.D  
 Acq: 17 Sep 2022 16:08

Tgt Ion: 173 Resp: 38379  
 Ion Ratio Lower Upper  
 173 100  
 175 47.1 38.4 57.6  
 254 10.1 6.8 10.2

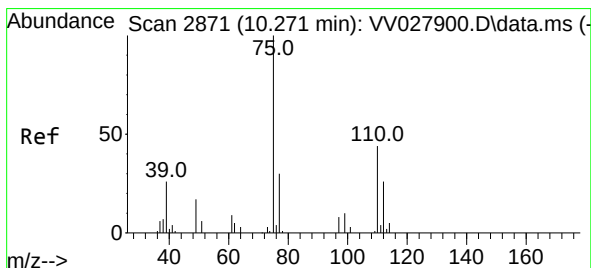
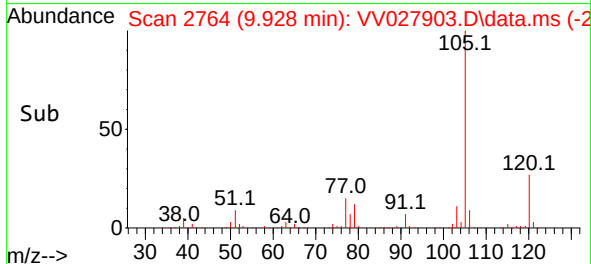
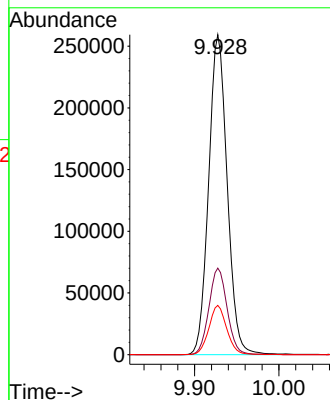
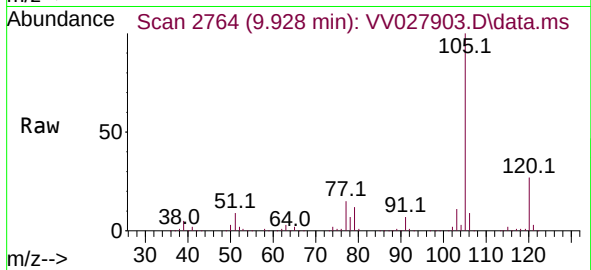




#60  
Isopropylbenzene  
Concen: 5.525 ug/L  
RT: 9.928 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VV027903.D  
Acq: 17 Sep 2022 16:08

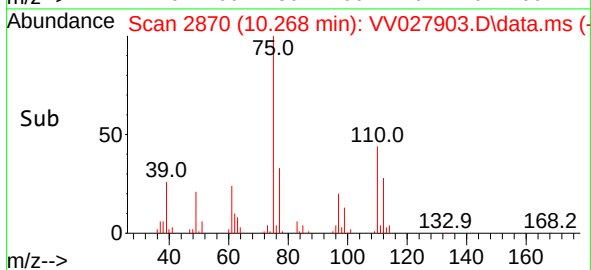
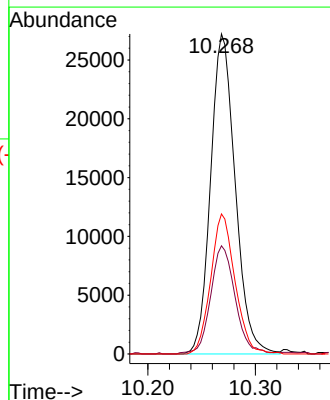
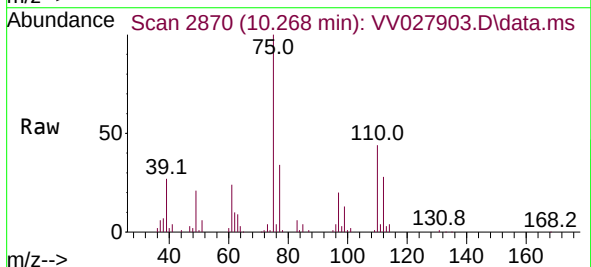
Instrument :  
MSVOA\_V  
ClientSampleId :

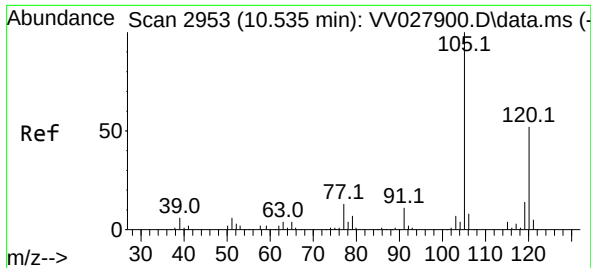
Tgt Ion:105 Resp: 396643  
Ion Ratio Lower Upper  
105 100  
120 26.5 21.3 31.9  
77 14.9 12.6 18.8



#61  
1,2,3-Trichloropropane  
Concen: 5.126 ug/L  
RT: 10.268 min Scan# 2870  
Delta R.T. -0.003 min  
Lab File: VV027903.D  
Acq: 17 Sep 2022 16:08

Tgt Ion: 75 Resp: 43291  
Ion Ratio Lower Upper  
75 100  
77 33.6 27.6 41.4  
110 43.2 35.6 53.4

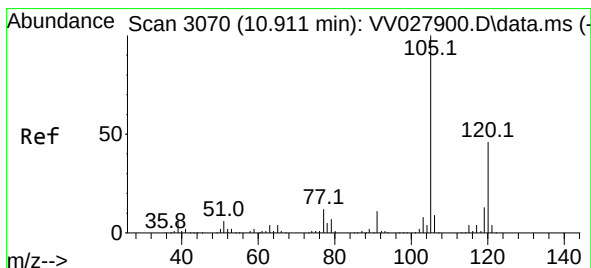
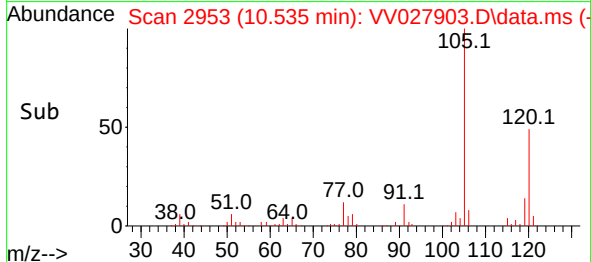
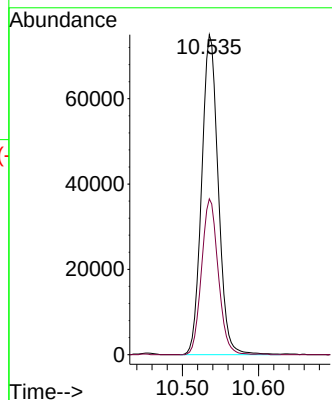
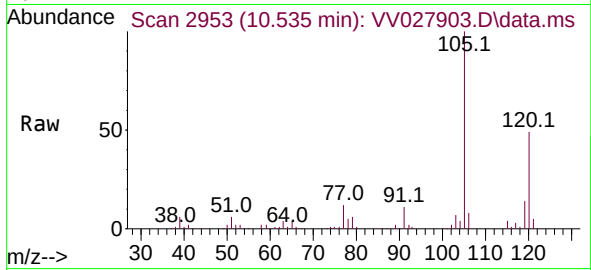




#62  
 1,3,5-Trimethylbenzene  
 Concen: 5.406 ug/L  
 RT: 10.535 min Scan# 2953  
 Delta R.T. 0.000 min  
 Lab File: VV027903.D  
 Acq: 17 Sep 2022 16:08

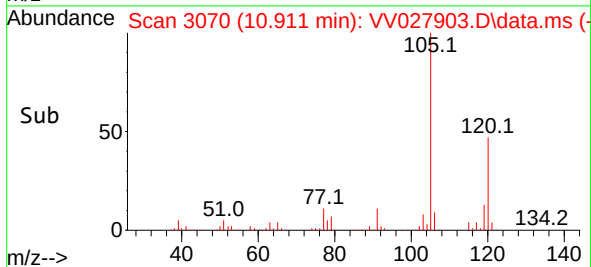
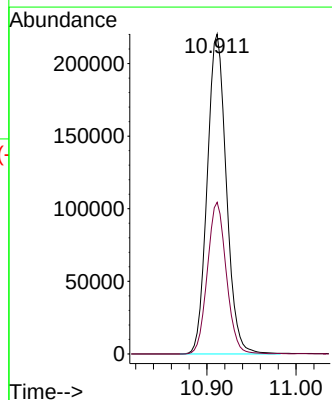
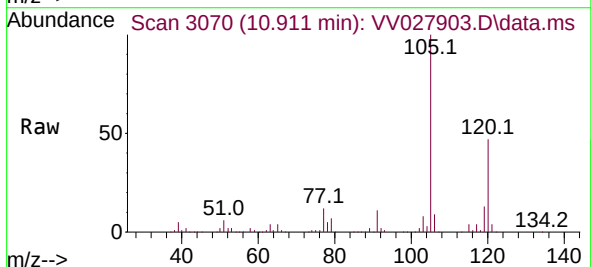
Instrument :  
 MSVOA\_V  
 ClientSampleId :

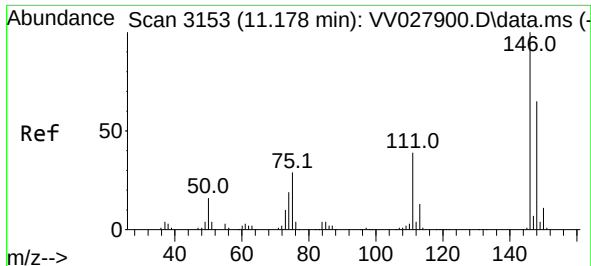
Tgt Ion:105 Resp: 113656  
 Ion Ratio Lower Upper  
 105 100  
 120 48.9 39.6 59.4



#63  
 1,2,4-Trimethylbenzene  
 Concen: 5.545 ug/L  
 RT: 10.911 min Scan# 3070  
 Delta R.T. 0.000 min  
 Lab File: VV027903.D  
 Acq: 17 Sep 2022 16:08

Tgt Ion:105 Resp: 327716  
 Ion Ratio Lower Upper  
 105 100  
 120 47.0 37.4 56.0

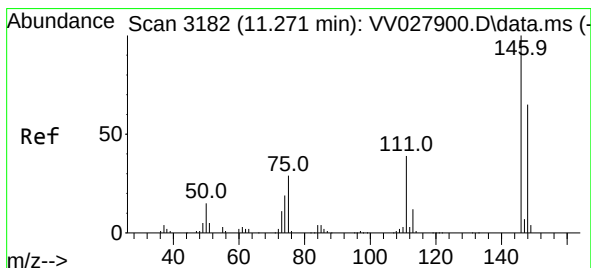
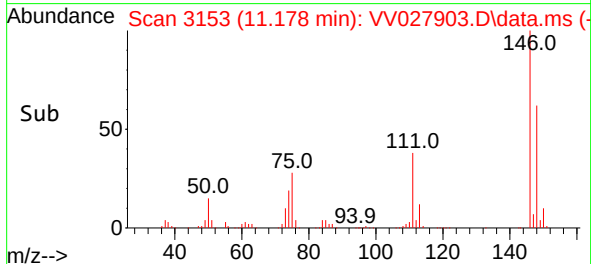
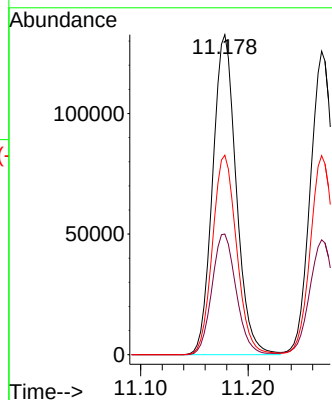
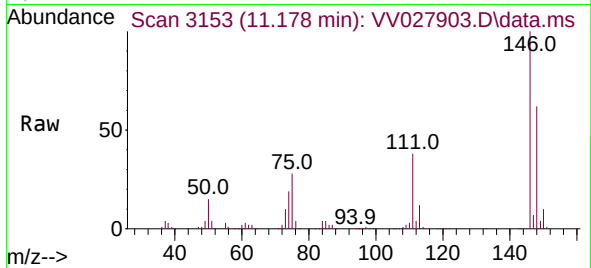




#64  
1,3-Dichlorobenzene  
Concen: 5.555 ug/L  
RT: 11.178 min Scan# 3153  
Delta R.T. 0.000 min  
Lab File: VV027903.D  
Acq: 17 Sep 2022 16:08

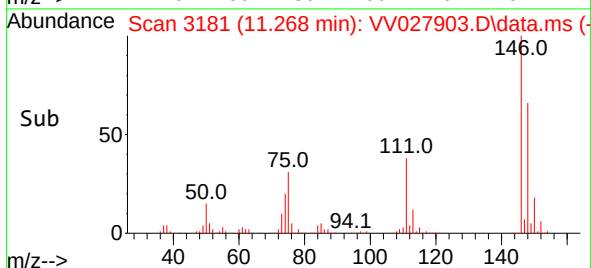
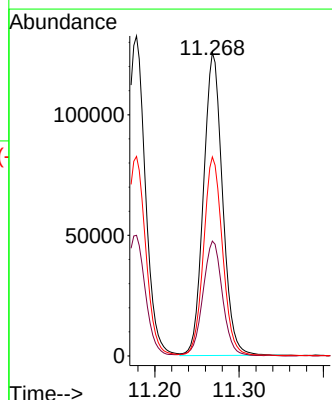
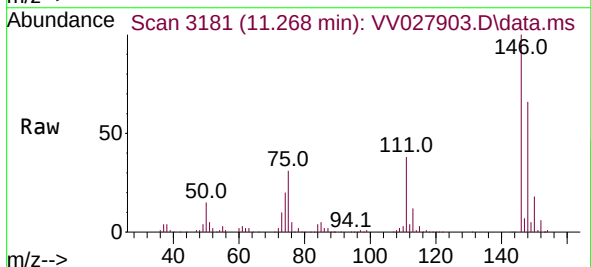
Instrument :  
MSVOA\_V  
ClientSampleId :

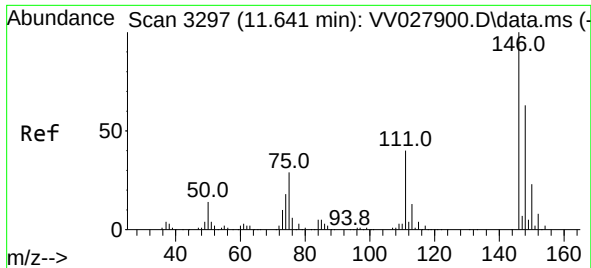
Tgt Ion:146 Resp: 202466  
Ion Ratio Lower Upper  
146 100  
111 37.7 27.9 51.9  
148 62.4 46.0 85.4



#65  
1,4-Dichlorobenzene  
Concen: 5.354 ug/L  
RT: 11.268 min Scan# 3181  
Delta R.T. -0.003 min  
Lab File: VV027903.D  
Acq: 17 Sep 2022 16:08

Tgt Ion:146 Resp: 197770  
Ion Ratio Lower Upper  
146 100  
111 37.9 26.5 49.3  
148 65.6 42.8 79.4

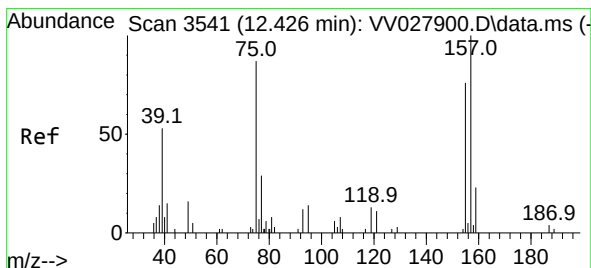
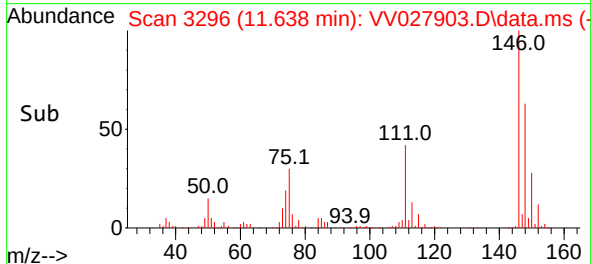
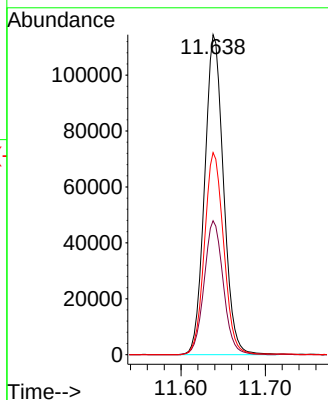
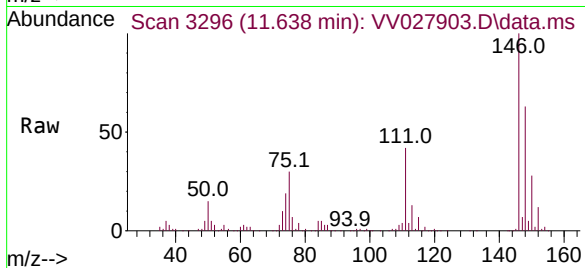




#67  
1,2-Dichlorobenzene  
Concen: 5.324 ug/L  
RT: 11.638 min Scan# 31  
Delta R.T. -0.003 min  
Lab File: VV027903.D  
Acq: 17 Sep 2022 16:08

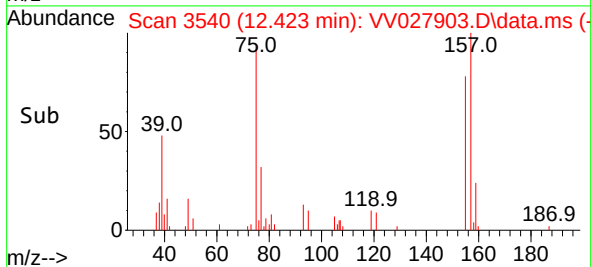
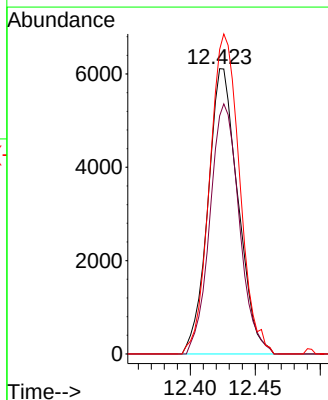
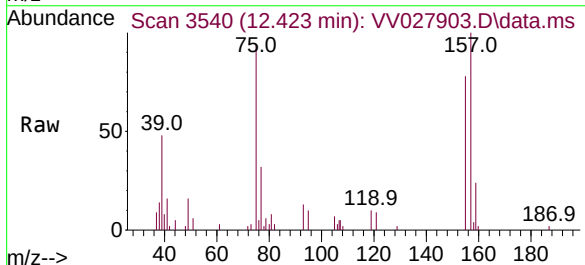
Instrument :  
MSVOA\_V  
ClientSampleId :

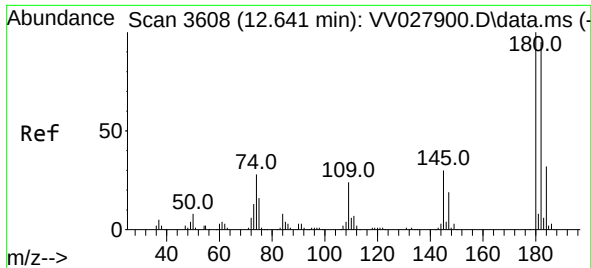
Tgt Ion:146 Resp: 178678  
Ion Ratio Lower Upper  
146 100  
111 41.8 33.1 49.7  
148 63.1 49.8 74.6



#68  
1,2-Dibromo-3-chloropropane  
Concen: 5.449 ug/L  
RT: 12.423 min Scan# 3540  
Delta R.T. -0.003 min  
Lab File: VV027903.D  
Acq: 17 Sep 2022 16:08

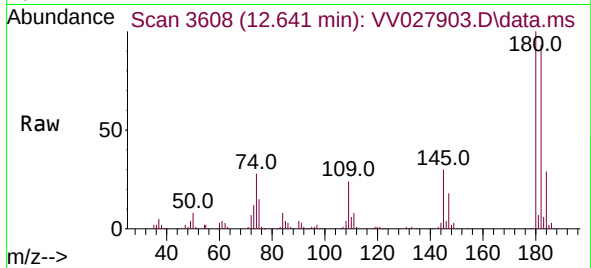
Tgt Ion: 75 Resp: 9816  
Ion Ratio Lower Upper  
75 100  
155 83.4 71.9 107.9  
157 106.7 95.1 142.7



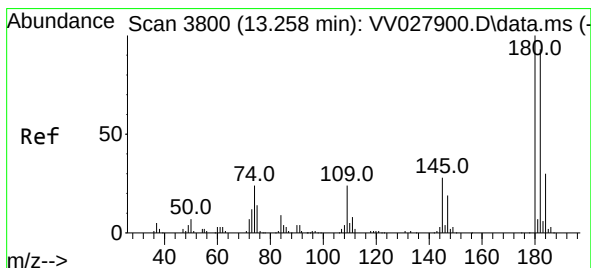
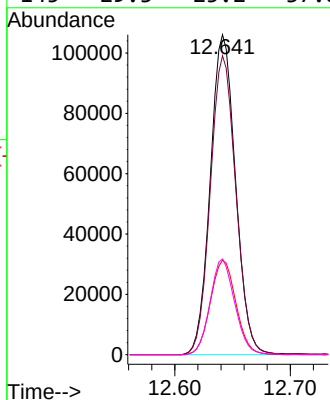
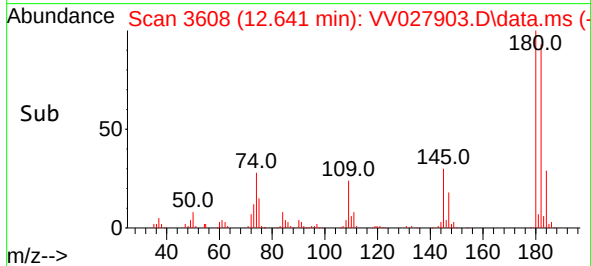


#69  
 1,3,5-Trichlorobenzene  
 Concen: 5.440 ug/L  
 RT: 12.641 min Scan# 3608  
 Delta R.T. 0.000 min  
 Lab File: VV027903.D  
 Acq: 17 Sep 2022 16:08

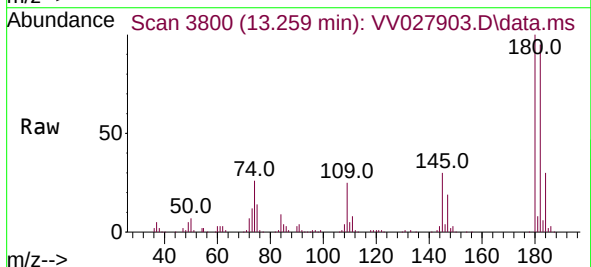
Instrument :  
 MSVOA\_V  
 ClientSampleId :



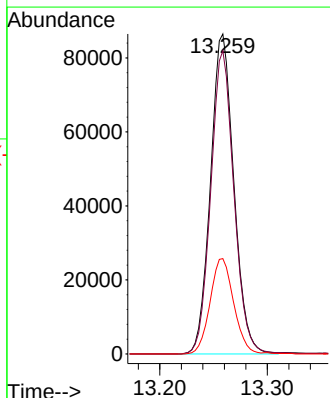
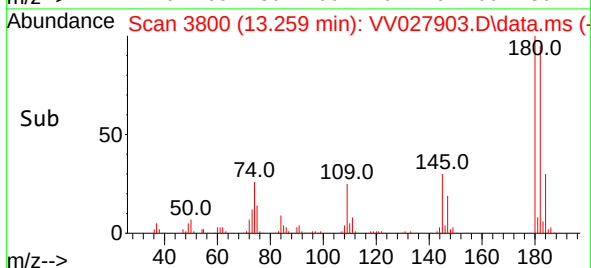
Tgt Ion:180 Resp: 160675  
 Ion Ratio Lower Upper  
 180 100  
 182 94.3 75.8 113.8  
 184 29.9 23.8 35.6  
 145 29.3 25.2 37.8

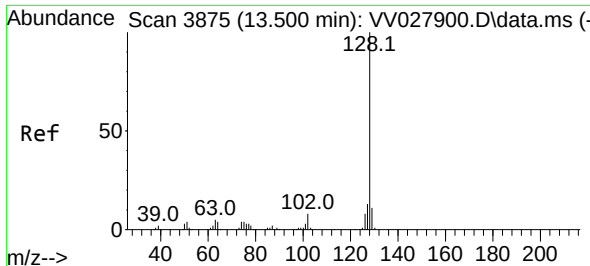


#70  
 1,2,4-trichlorobenzene  
 Concen: 5.601 ug/L  
 RT: 13.259 min Scan# 3800  
 Delta R.T. 0.000 min  
 Lab File: VV027903.D  
 Acq: 17 Sep 2022 16:08



Tgt Ion:180 Resp: 130250  
 Ion Ratio Lower Upper  
 180 100  
 182 94.0 76.6 114.8  
 145 30.3 24.6 37.0

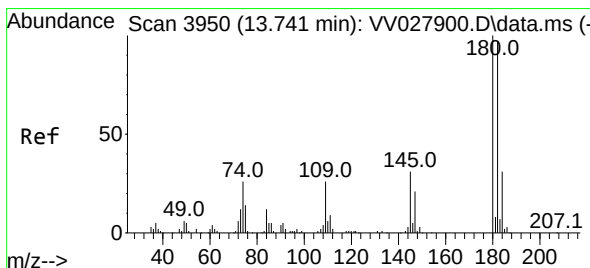
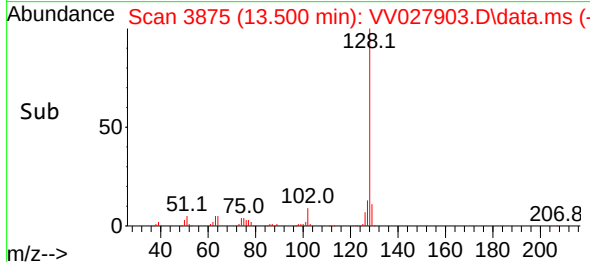
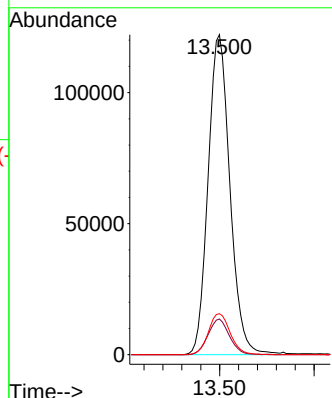
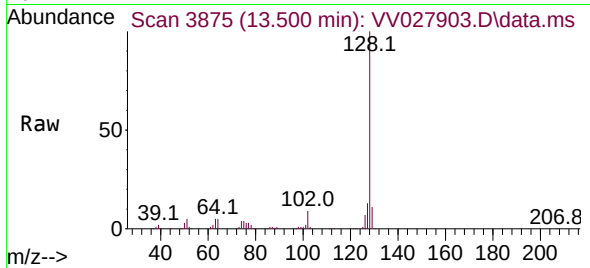




#71  
Naphthalene  
Concen: 6.048 ug/L  
RT: 13.500 min Scan# 3875  
Delta R.T. 0.000 min  
Lab File: VV027903.D  
Acq: 17 Sep 2022 16:08

Instrument :  
MSVOA\_V  
ClientSampleId :

Tgt Ion:128 Resp: 195491  
Ion Ratio Lower Upper  
128 100  
129 10.9 9.2 13.8  
127 12.9 10.6 16.0



#72  
1,2,3-Trichlorobenzene  
Concen: 5.818 ug/L  
RT: 13.741 min Scan# 3950  
Delta R.T. 0.000 min  
Lab File: VV027903.D  
Acq: 17 Sep 2022 16:08

Tgt Ion:180 Resp: 115173  
Ion Ratio Lower Upper  
180 100  
182 93.7 76.5 114.7  
145 31.0 26.5 39.7

