

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW031623\  
 Data File : VW030217.D  
 Acq On : 16 Mar 2023 11:35  
 Operator : SY/MD  
 Sample : VSTDCCC005  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD005304

Quant Time: Mar 17 05:44:06 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        | 5.542  | 114   | 120008   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.792  | 117   | 112167   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.194 | 152   | 66062    | 5.000    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.281  | 65    | 37293    | 4.803    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 96.000%  |
| 7) Chloroethane-d5            | 1.535  | 69    | 32518    | 4.461    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 89.200%  |
| 11) 1,1-Dichloroethene-d2     | 2.066  | 63    | 79929    | 5.007    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 100.200% |
| 20) 2-Butanone-d5             | 3.828  | 46    | 76583    | 53.493   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 106.980% |
| 24) Chloroform-d              | 4.259  | 84    | 77974    | 4.916    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 98.400%  |
| 26) 1,2-Dichloroethane-d4     | 4.953  | 65    | 36808    | 5.684    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 113.600% |
| 32) Benzene-d6                | 4.969  | 84    | 140689   | 4.661    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 93.200%  |
| 36) 1,2-Dichloropropane-d6    | 5.998  | 67    | 41885    | 4.613    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 92.200%  |
| 41) Toluene-d8                | 7.252  | 98    | 137094   | 4.792    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 95.800%  |
| 43) trans-1,3-Dichloroprop... | 7.561  | 79    | 15444    | 4.972    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 99.400%  |
| 46) 2-Hexanone-d5             | 8.034  | 63    | 59781    | 46.515   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 93.020%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.162 | 84    | 30533    | 4.727    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 94.600%  |
| 66) 1,2-Dichlorobenzene-d4    | 11.570 | 152   | 48670    | 4.354    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 87.000%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.108  | 85    | 44124    | 4.519    | ug/L   | 100      |
| 3) Chloromethane              | 1.217  | 50    | 63710    | 4.141    | ug/L   | 97       |
| 5) Vinyl chloride             | 1.288  | 62    | 46417    | 4.539    | ug/L   | 98       |
| 6) Bromomethane               | 1.494  | 94    | 10743    | 5.853    | ug/L   | 95       |
| 8) Chloroethane               | 1.555  | 64    | 28464    | 4.569    | ug/L   | 100      |
| 9) Trichlorofluoromethane     | 1.719  | 101   | 73394    | 5.003    | ug/L   | 98       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.072  | 101   | 41920    | 4.607    | ug/L   | 96       |
| 12) 1,1-Dichloroethene        | 2.076  | 96    | 36323    | 4.510    | ug/L   | 86       |
| 13) Acetone                   | 2.153  | 43    | 62087    | 58.675   | ug/L # | 64       |
| 14) Carbon disulfide          | 2.246  | 76    | 85994    | 3.991    | ug/L   | 98       |
| 15) Methyl Acetate            | 2.391  | 43    | 13866    | 5.611    | ug/L   | 92       |
| 16) Methylene chloride        | 2.455  | 84    | 56581    | 5.751    | ug/L   | 89       |
| 17) Methyl tert-butyl Ether   | 2.712  | 73    | 76804    | 4.877    | ug/L # | 93       |
| 18) trans-1,2-Dichloroethene  | 2.703  | 96    | 33254    | 4.340    | ug/L   | 94       |
| 19) 1,1-Dichloroethane        | 3.121  | 63    | 71070    | 4.980    | ug/L   | 99       |
| 21) 2-Butanone                | 3.911  | 43    | 79566    | 55.911   | ug/L   | 84       |
| 22) cis-1,2-Dichloroethene    | 3.825  | 96    | 38604    | 4.559    | ug/L   | 98       |
| 23) Bromochloromethane        | 4.156  | 128   | 17086    | 4.722    | ug/L   | 95       |
| 25) Chloroform                | 4.288  | 83    | 76698    | 5.166    | ug/L   | 97       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW031623\  
 Data File : VW030217.D  
 Acq On : 16 Mar 2023 11:35  
 Operator : SY/MD  
 Sample : VSTDCCC005  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 2 Sample Multiplier: 1

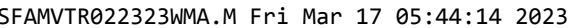
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD005304

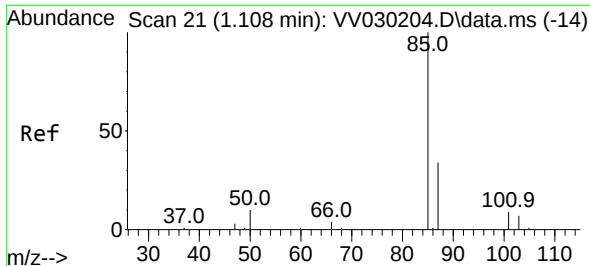
Quant Time: Mar 17 05:44:06 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR022323WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Thu Mar 16 01:47:11 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 27) 1,2-Dichloroethane        | 5.053  | 62   | 44633    | 5.747  | ug/L   | 95       |
| 29) 1,1,1-Trichloroethane     | 4.522  | 97   | 69112    | 5.245  | ug/L   | 95       |
| 30) Cyclohexane               | 4.593  | 56   | 52579    | 4.618  | ug/L   | 92       |
| 31) Carbon tetrachloride      | 4.744  | 117  | 61510    | 5.194  | ug/L   | 99       |
| 33) Benzene                   | 5.021  | 78   | 149888   | 4.893  | ug/L   | 100      |
| 34) Trichloroethene           | 5.841  | 95   | 38537    | 4.490  | ug/L   | 96       |
| 35) Methylcyclohexane         | 6.059  | 83   | 56330    | 4.336  | ug/L   | 92       |
| 37) 1,2-Dichloropropane       | 6.101  | 63   | 38252    | 4.908  | ug/L   | 99       |
| 38) Bromodichloromethane      | 6.442  | 83   | 53127    | 5.340  | ug/L   | 99       |
| 39) cis-1,3-Dichloropropene   | 6.963  | 75   | 55694    | 4.882  | ug/L   | 100      |
| 40) 4-Methyl-2-pentanone      | 7.169  | 43   | 209616   | 65.181 | ug/L # | 90       |
| 42) Toluene                   | 7.323  | 91   | 165693   | 4.994  | ug/L   | 98       |
| 44) trans-1,3-Dichloropropene | 7.590  | 75   | 44593    | 5.007  | ug/L   | 99       |
| 45) 1,1,2-Trichloroethane     | 7.776  | 97   | 25936    | 4.651  | ug/L   | 97       |
| 47) Tetrachloroethene         | 7.911  | 164  | 32565    | 4.420  | ug/L   | 98       |
| 48) 2-Hexanone                | 8.085  | 43   | 143586   | 62.368 | ug/L   | 90       |
| 49) Dibromochloromethane      | 8.185  | 129  | 32016    | 4.906  | ug/L   | 99       |
| 50) 1,2-Dibromoethane         | 8.291  | 107  | 23077    | 4.435  | ug/L   | 92       |
| 51) Chlorobenzene             | 8.821  | 112  | 103486   | 4.625  | ug/L   | 99       |
| 52) Ethylbenzene              | 8.953  | 91   | 171211   | 4.742  | ug/L   | 99       |
| 53) m,p-Xylene                | 9.082  | 106  | 65985    | 4.755  | ug/L   | 99       |
| 54) o-Xylene                  | 9.487  | 106  | 63134    | 4.763  | ug/L   | 95       |
| 55) Styrene                   | 9.503  | 104  | 113779   | 5.161  | ug/L   | 98       |
| 57) 1,1,2,2-Tetrachloroethane | 10.188 | 83   | 31131    | 4.991  | ug/L   | 99       |
| 59) Bromoform                 | 9.673  | 173  | 19355    | 4.888  | ug/L   | 97       |
| 60) Isopropylbenzene          | 9.876  | 105  | 180485   | 4.748  | ug/L   | 98       |
| 61) 1,2,3-Trichloropropane    | 10.220 | 75   | 21484    | 4.859  | ug/L   | 98       |
| 62) 1,3,5-Trimethylbenzene    | 10.484 | 105  | 145874   | 4.672  | ug/L   | 99       |
| 63) 1,2,4-Trimethylbenzene    | 10.860 | 105  | 151321   | 4.738  | ug/L   | 100      |
| 64) 1,3-Dichlorobenzene       | 11.127 | 146  | 92450    | 4.671  | ug/L   | 99       |
| 65) 1,4-Dichlorobenzene       | 11.217 | 146  | 91970    | 4.606  | ug/L   | 97       |
| 67) 1,2-Dichlorobenzene       | 11.590 | 146  | 83491    | 4.777  | ug/L   | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 12.374 | 75   | 5202     | 5.268  | ug/L   | 89       |
| 69) 1,3,5-Trichlorobenzene    | 12.593 | 180  | 72034    | 4.427  | ug/L   | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.207 | 180  | 54592    | 4.142  | ug/L   | 99       |
| 71) Naphthalene               | 13.448 | 128  | 73958    | 4.294  | ug/L   | 99       |
| 72) 1,2,3-Trichlorobenzene    | 13.689 | 180  | 45857    | 4.226  | ug/L   | 99       |

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

Quant Time: Mar 17 05:44:06 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

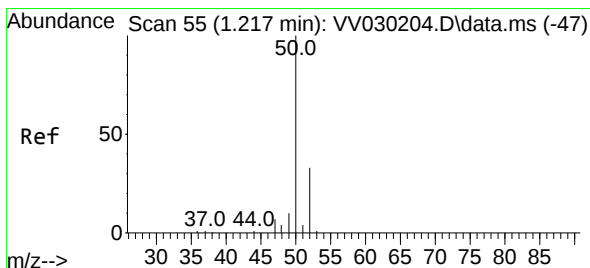
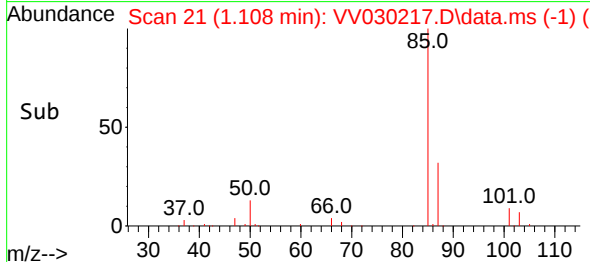
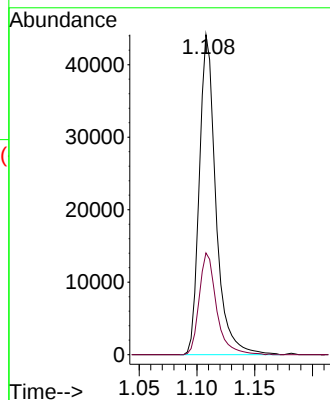
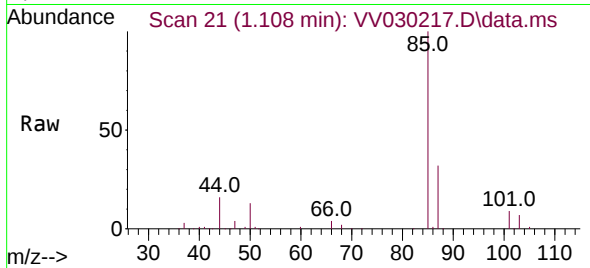




#2  
 Dichlorodifluoromethane  
 Concen: 4.519 ug/L  
 RT: 1.108 min Scan# 21  
 Delta R.T. -0.000 min  
 Lab File: VV030217.D  
 Acq: 16 Mar 2023 11:35

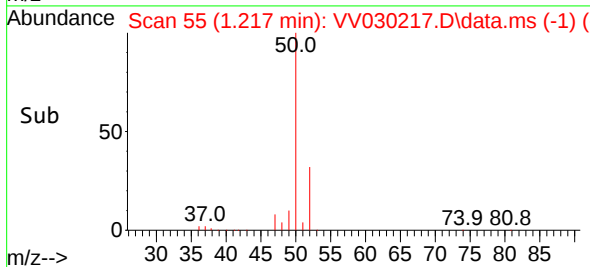
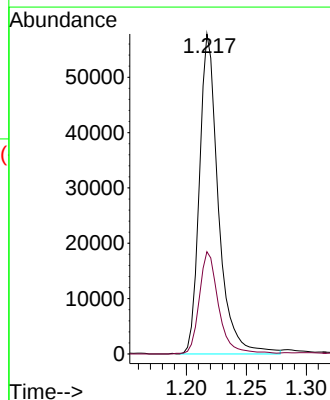
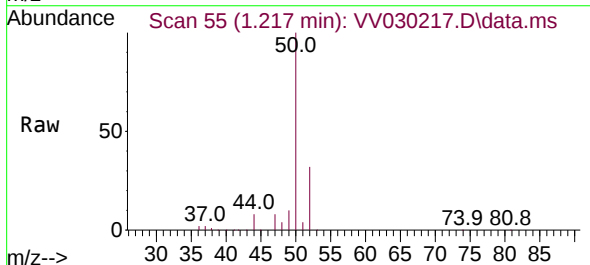
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD005304

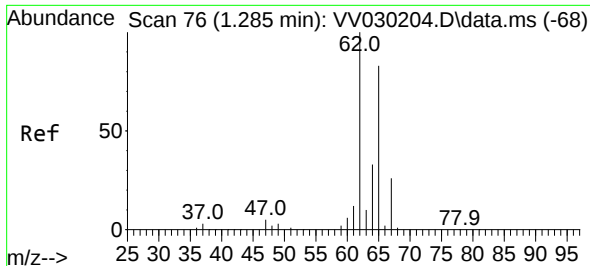
Tgt Ion: 85 Resp: 44124  
 Ion Ratio Lower Upper  
 85 100  
 87 33.3 26.6 39.8



#3  
 Chloromethane  
 Concen: 4.141 ug/L  
 RT: 1.217 min Scan# 55  
 Delta R.T. -0.000 min  
 Lab File: VV030217.D  
 Acq: 16 Mar 2023 11:35

Tgt Ion: 50 Resp: 63710  
 Ion Ratio Lower Upper  
 50 100  
 52 31.9 23.6 43.8

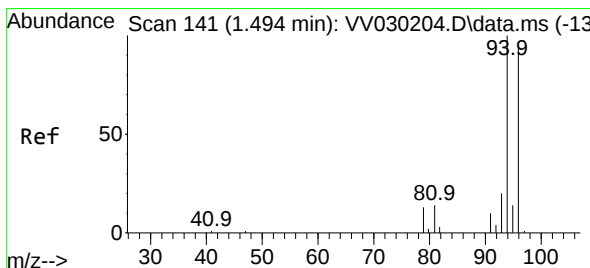
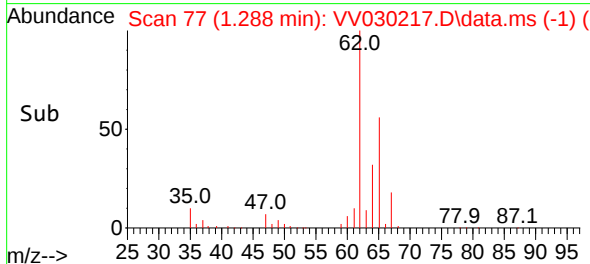
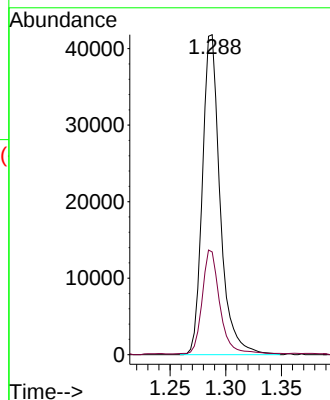
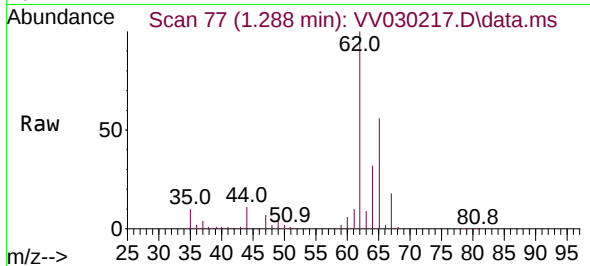




#5  
 Vinyl chloride  
 Concen: 4.539 ug/L  
 RT: 1.288 min Scan# 76  
 Delta R.T. 0.003 min  
 Lab File: VV030217.D  
 Acq: 16 Mar 2023 11:35

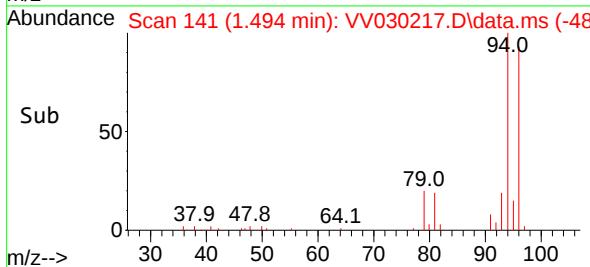
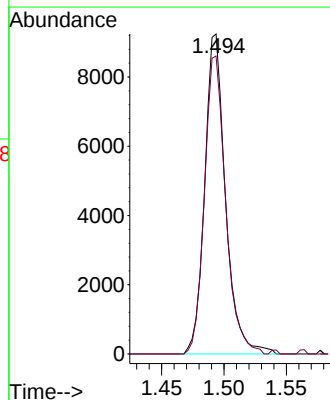
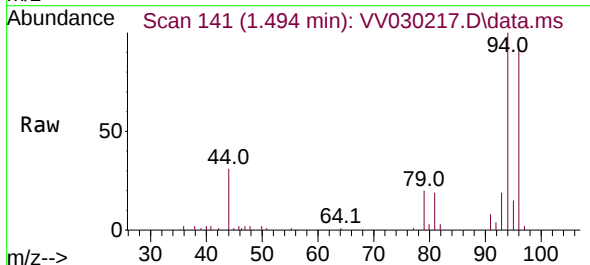
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD005304

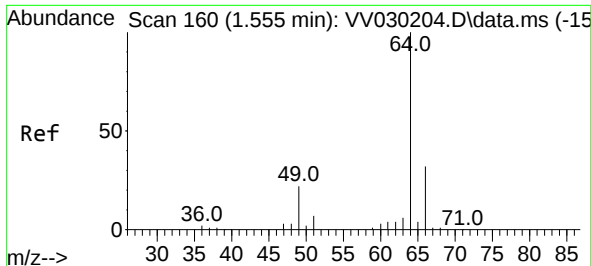
Tgt Ion: 62 Resp: 46417  
 Ion Ratio Lower Upper  
 62 100  
 64 32.1 23.1 42.9



#6  
 Bromomethane  
 Concen: 5.853 ug/L  
 RT: 1.494 min Scan# 141  
 Delta R.T. -0.000 min  
 Lab File: VV030217.D  
 Acq: 16 Mar 2023 11:35

Tgt Ion: 94 Resp: 10743  
 Ion Ratio Lower Upper  
 94 100  
 96 93.1 68.4 127.0

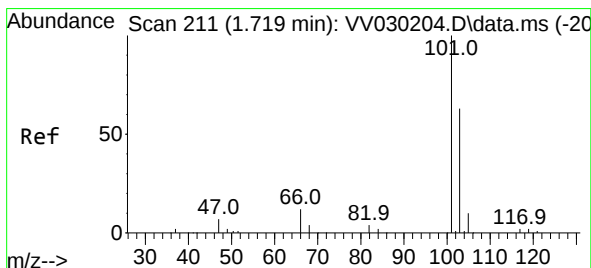
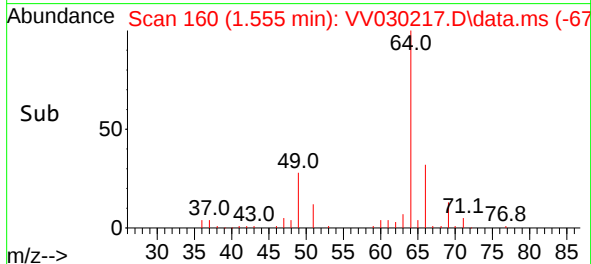
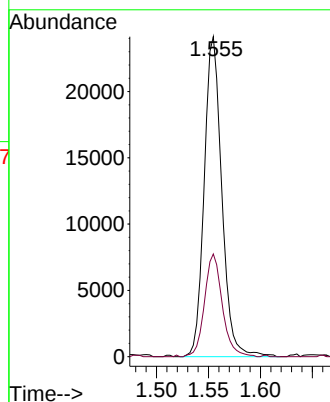
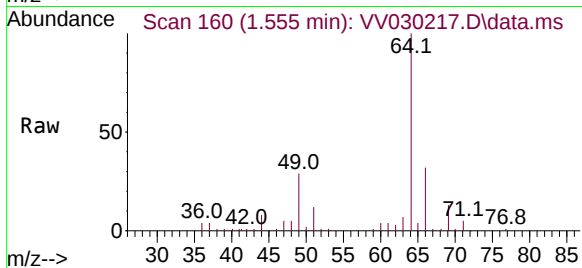




#8  
Chloroethane  
Concen: 4.569 ug/L  
RT: 1.555 min Scan# 160  
Delta R.T. -0.000 min  
Lab File: VV030217.D  
Acq: 16 Mar 2023 11:35

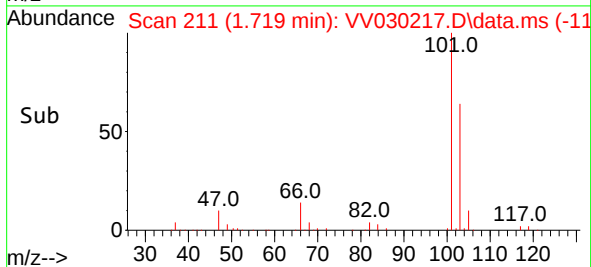
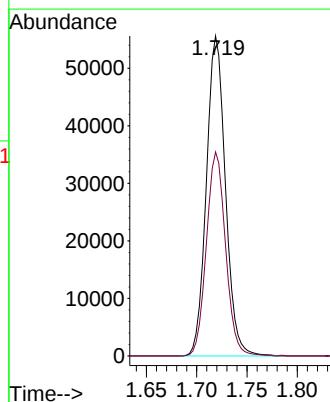
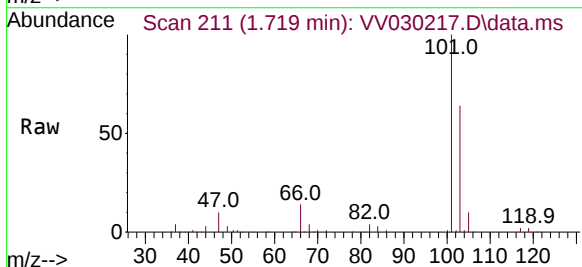
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD005304

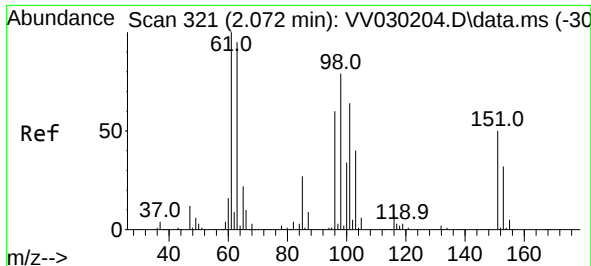
Tgt Ion: 64 Resp: 28464  
Ion Ratio Lower Upper  
64 100  
66 32.1 22.4 41.6



#9  
Trichlorofluoromethane  
Concen: 5.003 ug/L  
RT: 1.719 min Scan# 211  
Delta R.T. -0.000 min  
Lab File: VV030217.D  
Acq: 16 Mar 2023 11:35

Tgt Ion:101 Resp: 73394  
Ion Ratio Lower Upper  
101 100  
103 64.2 52.7 79.1

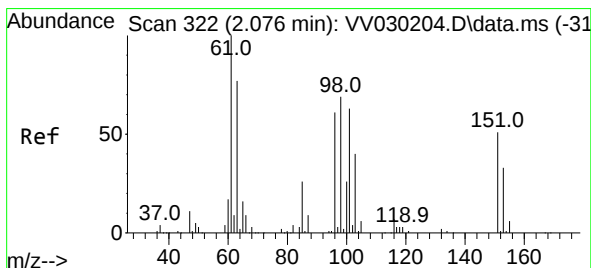
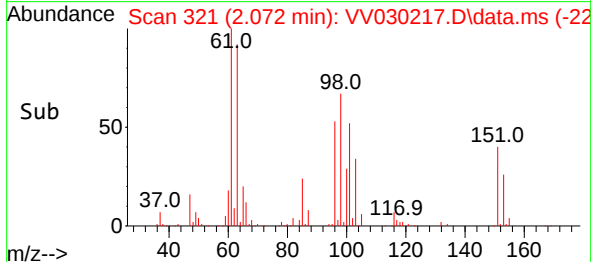
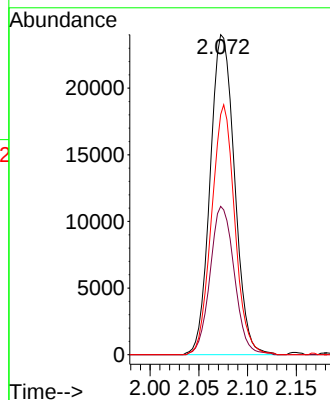
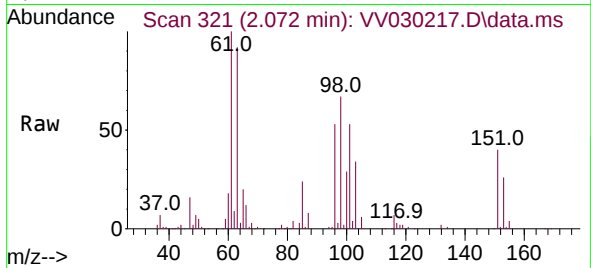




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 4.607 ug/L  
 RT: 2.072 min Scan# 31  
 Delta R.T. -0.000 min  
 Lab File: VV030217.D  
 Acq: 16 Mar 2023 11:35

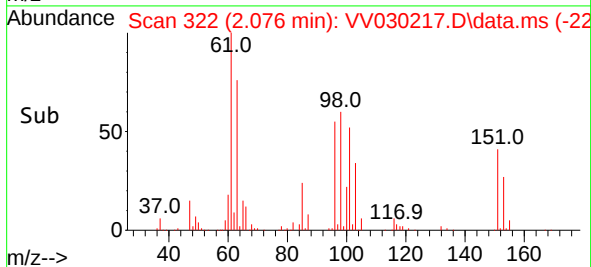
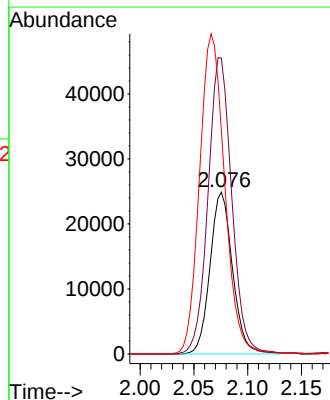
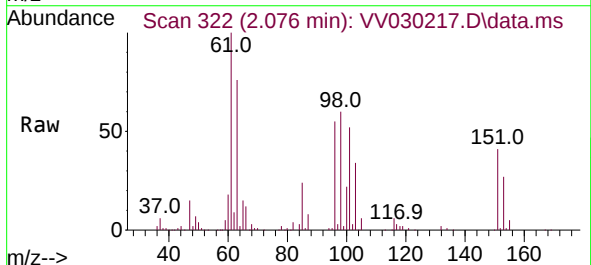
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD005304

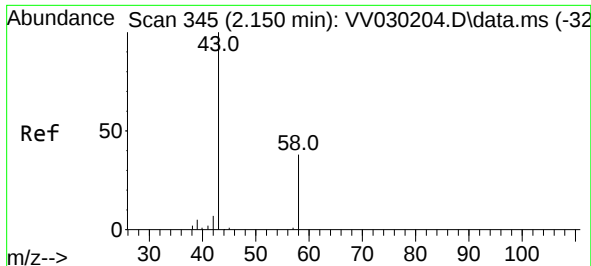
Tgt Ion:101 Resp: 41920  
 Ion Ratio Lower Upper  
 101 100  
 85 45.9 33.5 50.3  
 151 74.3 61.6 92.4



#12  
 1,1-Dichloroethene  
 Concen: 4.510 ug/L  
 RT: 2.076 min Scan# 322  
 Delta R.T. -0.000 min  
 Lab File: VV030217.D  
 Acq: 16 Mar 2023 11:35

Tgt Ion: 96 Resp: 36323  
 Ion Ratio Lower Upper  
 96 100  
 61 183.0 115.6 214.6  
 63 138.8 85.6 159.0





#13

Acetone

Concen: 58.675 ug/L

RT: 2.153 min Scan# 345

Delta R.T. 0.003 min

Lab File: VV030217.D

Acq: 16 Mar 2023 11:35

Instrument :

MSVOA\_V

ClientSampleId :

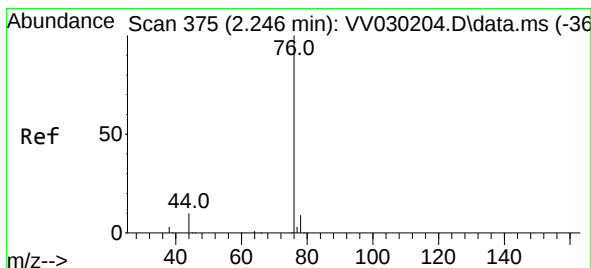
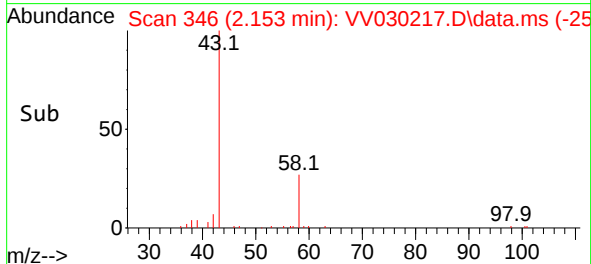
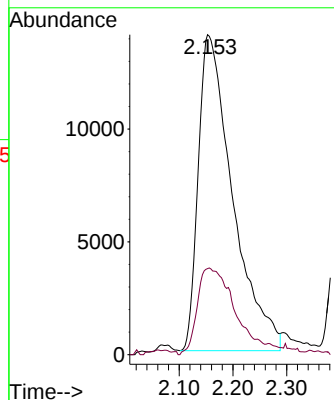
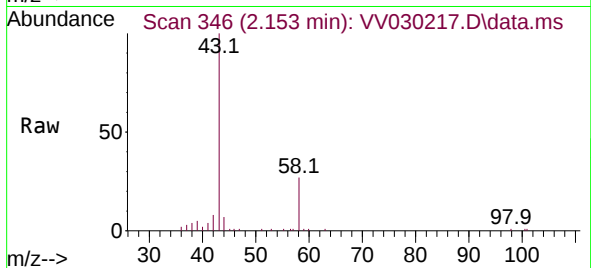
VSTD005304

Tgt Ion: 43 Resp: 62087

Ion Ratio Lower Upper

43 100

58 29.6 0.0 29.4#



#14

Carbon disulfide

Concen: 3.991 ug/L

RT: 2.246 min Scan# 375

Delta R.T. -0.000 min

Lab File: VV030217.D

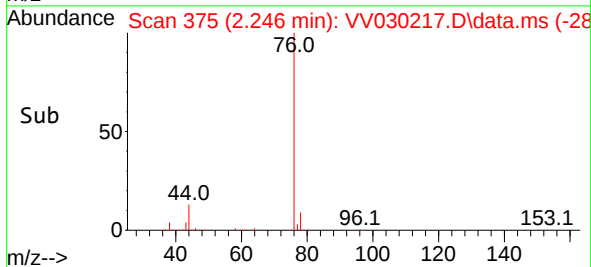
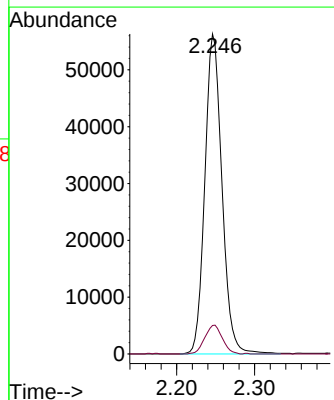
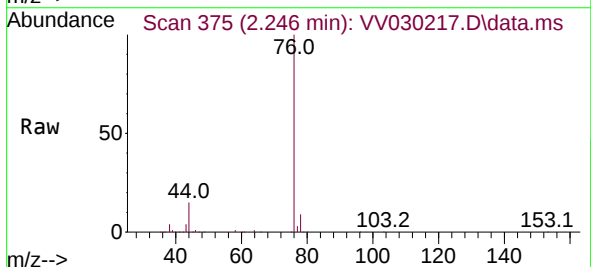
Acq: 16 Mar 2023 11:35

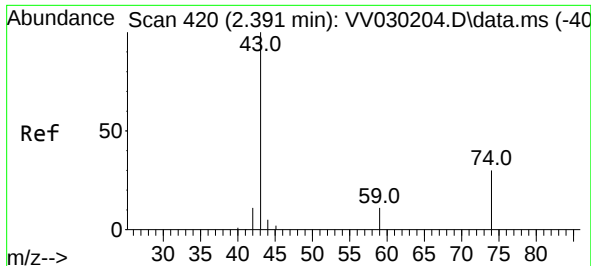
Tgt Ion: 76 Resp: 85994

Ion Ratio Lower Upper

76 100

78 8.9 7.7 11.5

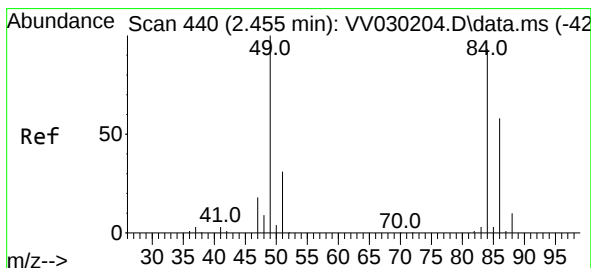
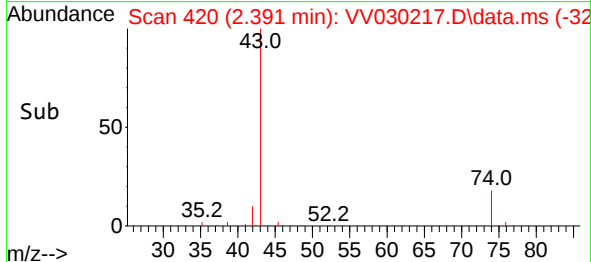
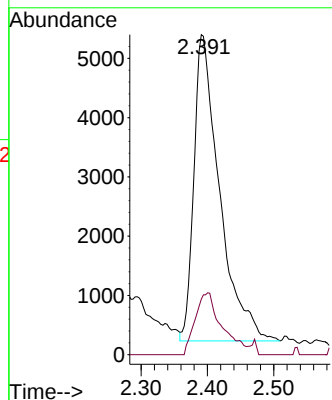
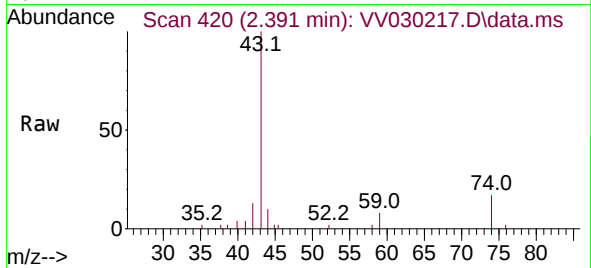




#15  
Methyl Acetate  
Concen: 5.611 ug/L  
RT: 2.391 min Scan# 41  
Delta R.T. -0.000 min  
Lab File: VV030217.D  
Acq: 16 Mar 2023 11:35

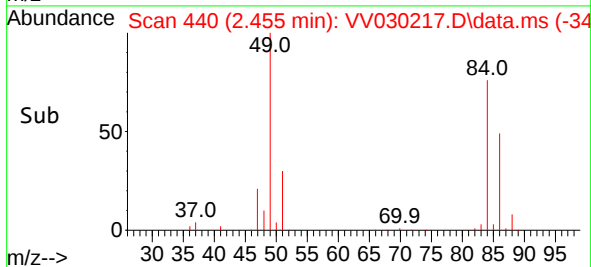
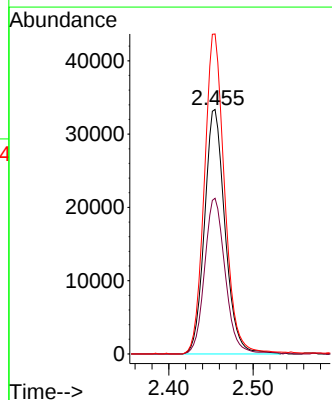
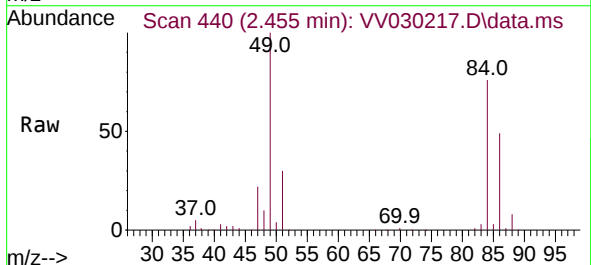
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD005304

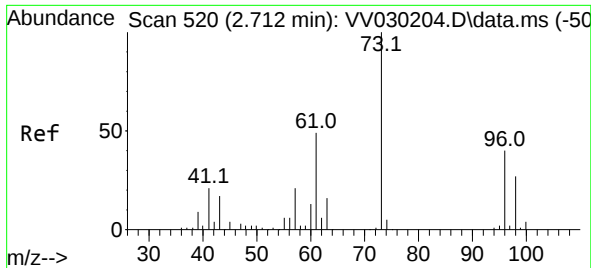
Tgt Ion: 43 Resp: 13866  
Ion Ratio Lower Upper  
43 100  
74 20.9 20.1 30.1



#16  
Methylene chloride  
Concen: 5.751 ug/L  
RT: 2.455 min Scan# 440  
Delta R.T. -0.000 min  
Lab File: VV030217.D  
Acq: 16 Mar 2023 11:35

Tgt Ion: 84 Resp: 56581  
Ion Ratio Lower Upper  
84 100  
86 63.7 44.7 83.1  
49 130.9 78.8 146.3

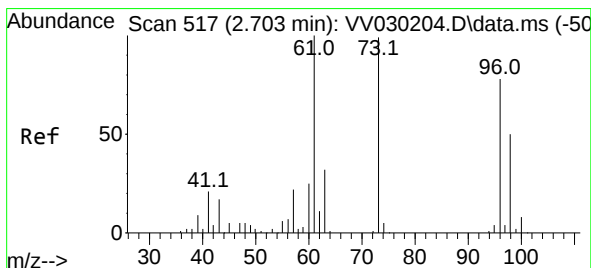
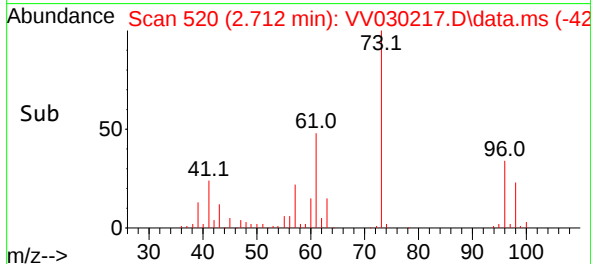
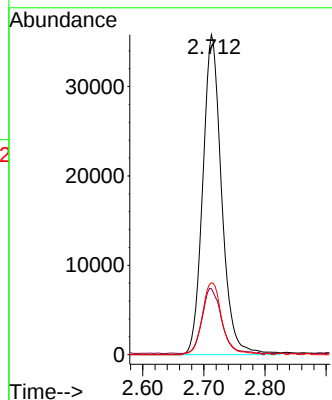
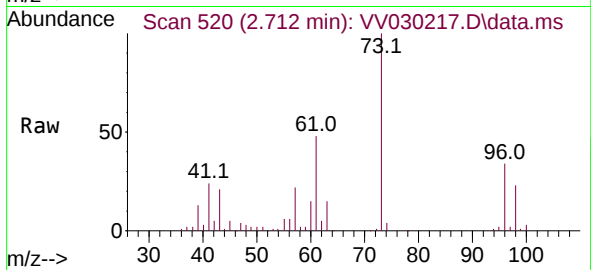




#17  
Methyl tert-butyl Ether  
Concen: 4.877 ug/L  
RT: 2.712 min Scan# 517  
Delta R.T. -0.000 min  
Lab File: VV030217.D  
Acq: 16 Mar 2023 11:35

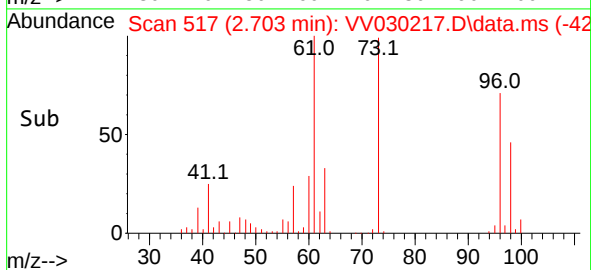
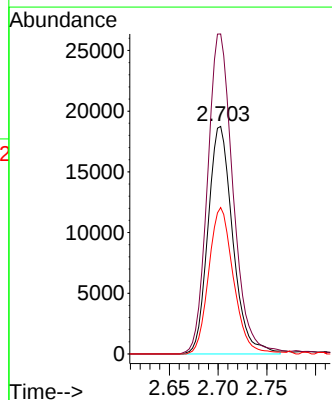
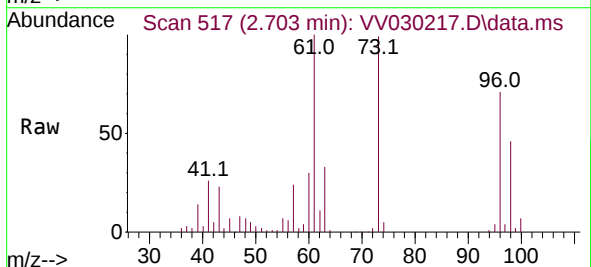
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD005304

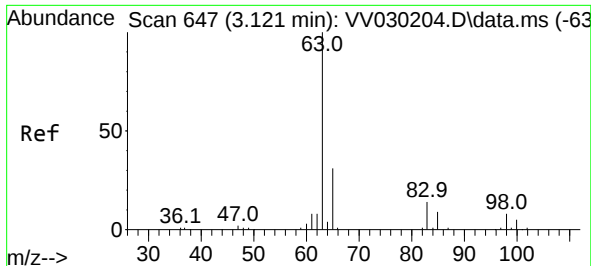
Tgt Ion: 73 Resp: 76804  
Ion Ratio Lower Upper  
73 100  
43 20.8 13.4 20.2#  
57 23.6 16.8 25.2



#18  
trans-1,2-Dichloroethene  
Concen: 4.340 ug/L  
RT: 2.703 min Scan# 517  
Delta R.T. -0.000 min  
Lab File: VV030217.D  
Acq: 16 Mar 2023 11:35

Tgt Ion: 96 Resp: 33254  
Ion Ratio Lower Upper  
96 100  
61 140.6 91.0 169.0  
98 64.3 45.2 84.0





#19

1,1-Dichloroethane

Concen: 4.980 ug/L

RT: 3.121 min Scan# 64

Delta R.T. -0.000 min

Lab File: VV030217.D

Acq: 16 Mar 2023 11:35

Instrument :

MSVOA\_V

ClientSampleId :

VSTD005304

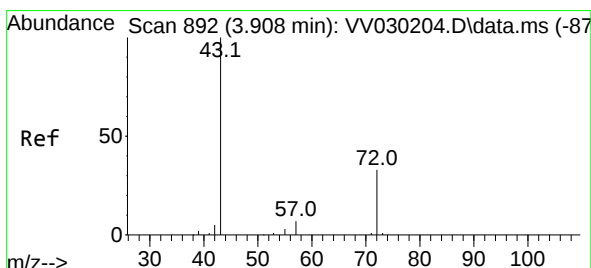
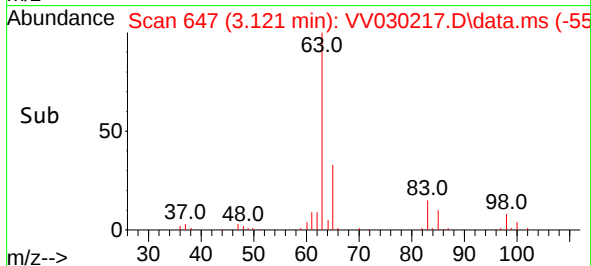
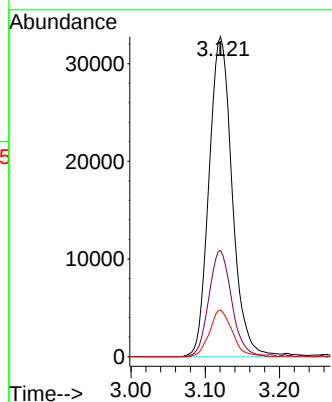
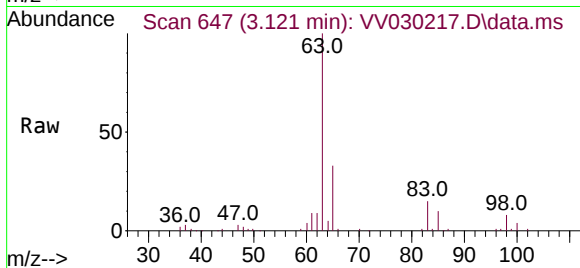
Tgt Ion: 63 Resp: 71070

Ion Ratio Lower Upper

63 100

65 33.2 23.0 42.8

83 14.5 9.6 17.8



#21

2-Butanone

Concen: 55.911 ug/L

RT: 3.911 min Scan# 893

Delta R.T. 0.003 min

Lab File: VV030217.D

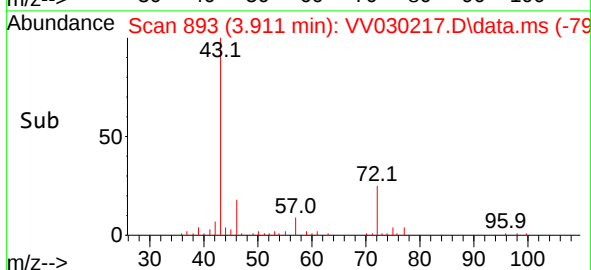
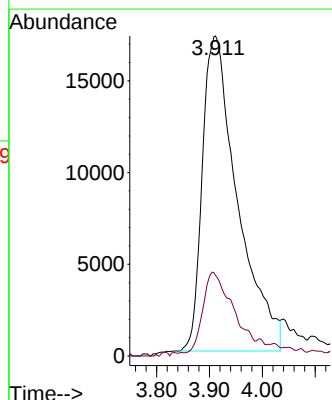
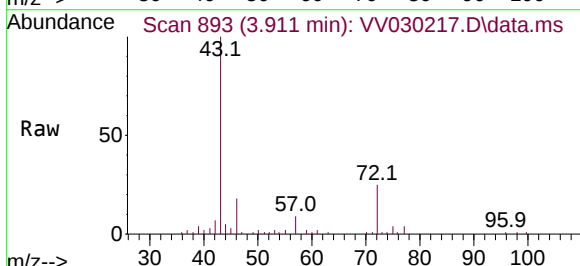
Acq: 16 Mar 2023 11:35

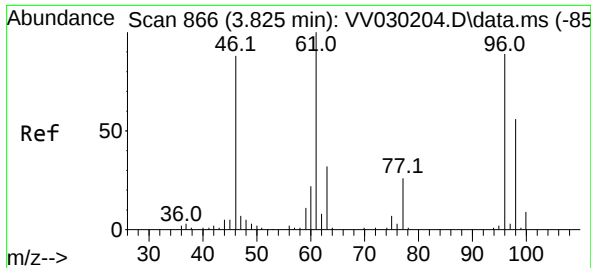
Tgt Ion: 43 Resp: 79566

Ion Ratio Lower Upper

43 100

72 21.7 15.1 45.3

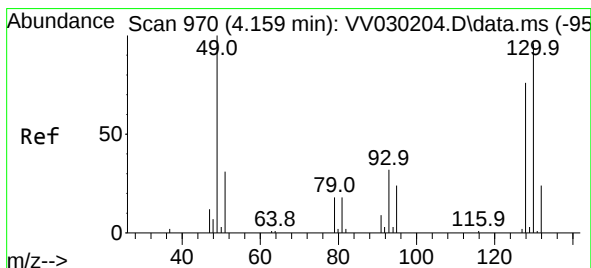
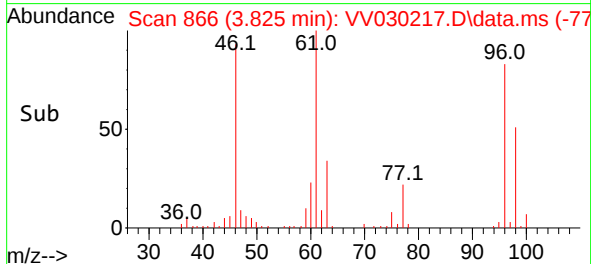
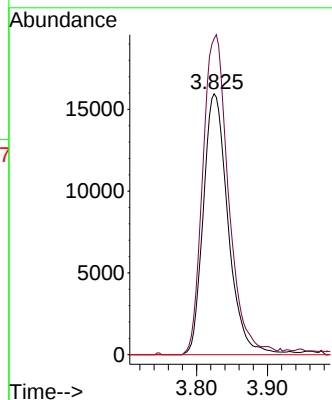
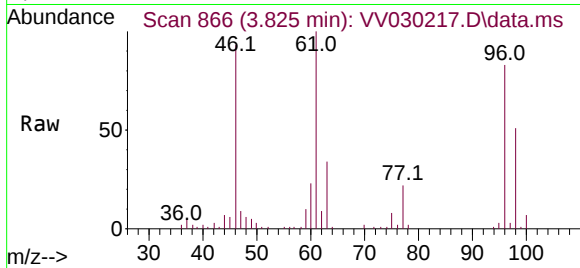




#22  
 cis-1,2-Dichloroethene  
 Concen: 4.559 ug/L  
 RT: 3.825 min Scan# 866  
 Delta R.T. -0.000 min  
 Lab File: VV030217.D  
 Acq: 16 Mar 2023 11:35

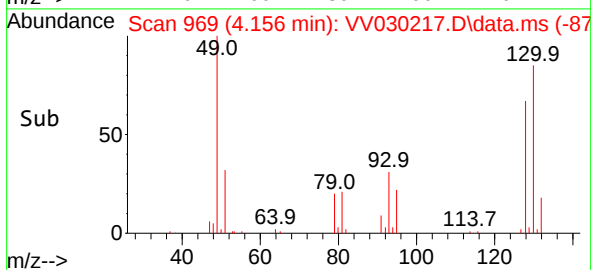
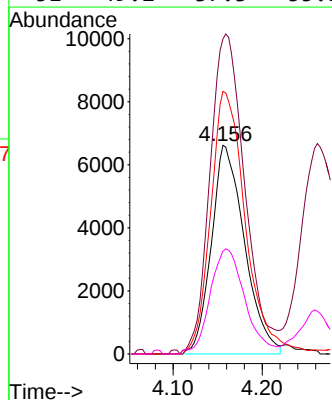
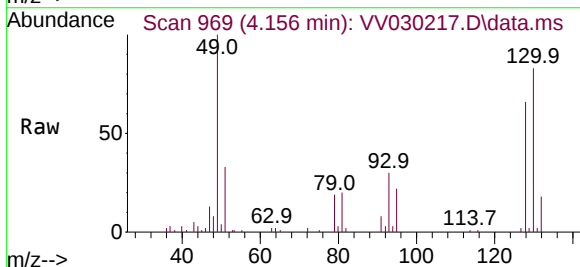
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD005304

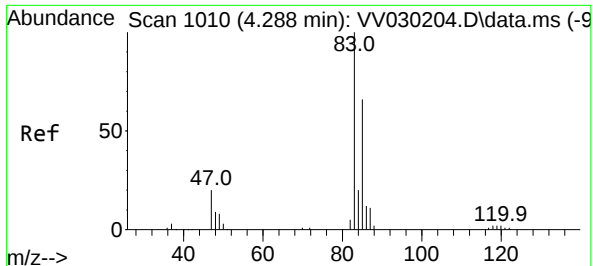
|             |       |       |       |
|-------------|-------|-------|-------|
| Tgt Ion: 96 | Resp: | 38604 |       |
| Ion         | Ratio | Lower | Upper |
| 96          | 100   |       |       |
| 61          | 121.2 | 83.4  | 154.8 |
| 68          | 0.0   | 0.0   | 0.0   |



#23  
 Bromochloromethane  
 Concen: 4.722 ug/L  
 RT: 4.156 min Scan# 969  
 Delta R.T. -0.003 min  
 Lab File: VV030217.D  
 Acq: 16 Mar 2023 11:35

|     |         |       |       |
|-----|---------|-------|-------|
| Tgt | Ion:128 | Resp: | 17086 |
| Ion | Ratio   | Lower | Upper |
| 128 | 100     |       |       |
| 49  | 151.1   | 99.5  | 184.9 |
| 130 | 125.9   | 90.5  | 168.1 |
| 51  | 49.2    | 37.3  | 55.9  |





#25

Chloroform

Concen: 5.166 ug/L

RT: 4.288 min Scan# 1010

Delta R.T. -0.000 min

Lab File: VV030217.D

Acq: 16 Mar 2023 11:35

Instrument :

MSVOA\_V

ClientSampleId :

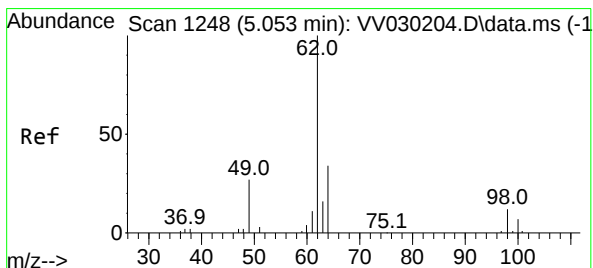
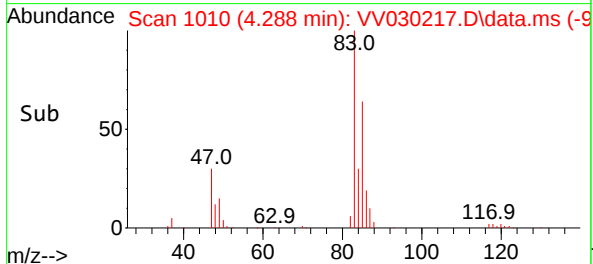
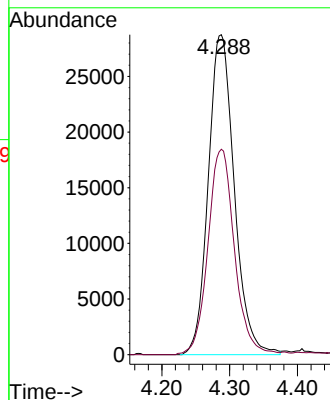
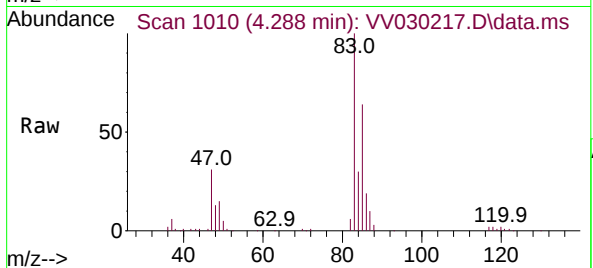
VSTD005304

Tgt Ion: 83 Resp: 76698

Ion Ratio Lower Upper

83 100

85 64.2 46.5 86.5



#27

1,2-Dichloroethane

Concen: 5.747 ug/L

RT: 5.053 min Scan# 1248

Delta R.T. -0.000 min

Lab File: VV030217.D

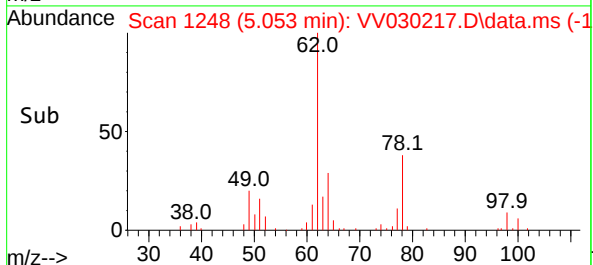
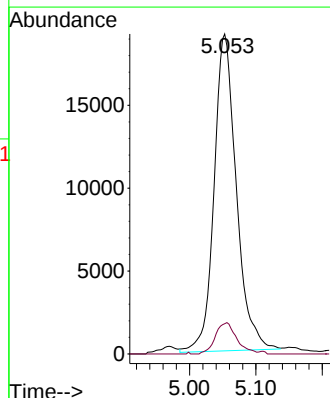
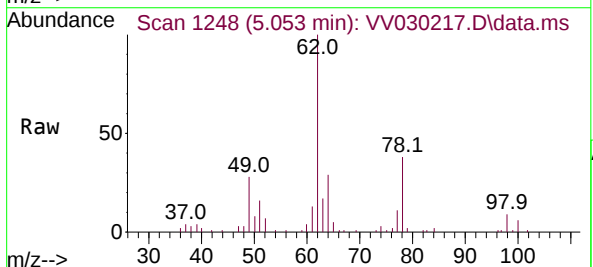
Acq: 16 Mar 2023 11:35

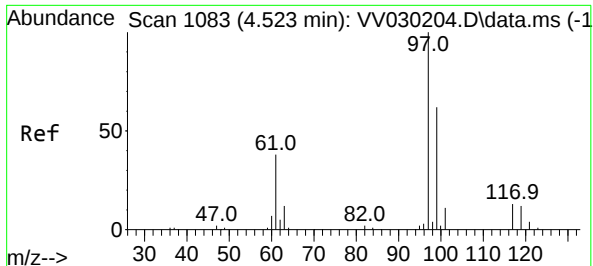
Tgt Ion: 62 Resp: 44633

Ion Ratio Lower Upper

62 100

98 9.5 9.0 13.4





#29

1,1,1-Trichloroethane

Concen: 5.245 ug/L

RT: 4.522 min Scan# 1105

Delta R.T. -0.000 min

Lab File: VV030217.D

Acq: 16 Mar 2023 11:35

Instrument :

MSVOA\_V

ClientSampleId :

VSTD005304

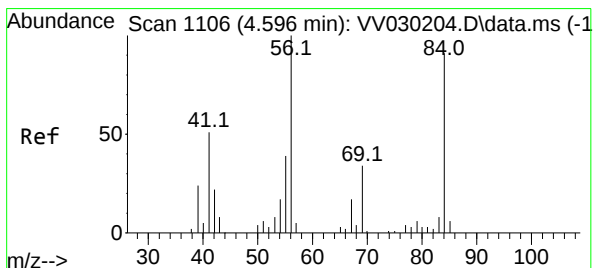
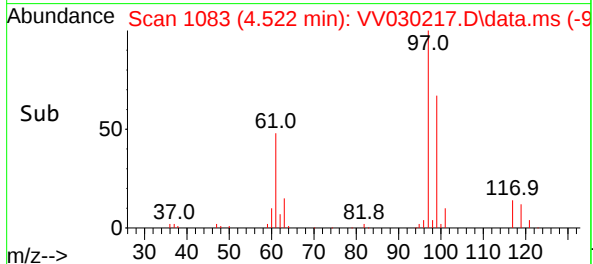
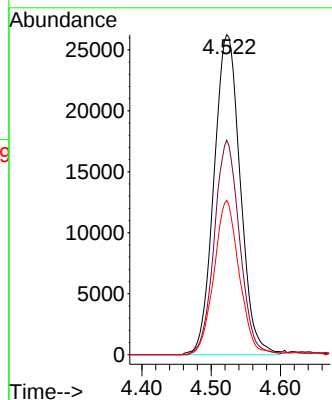
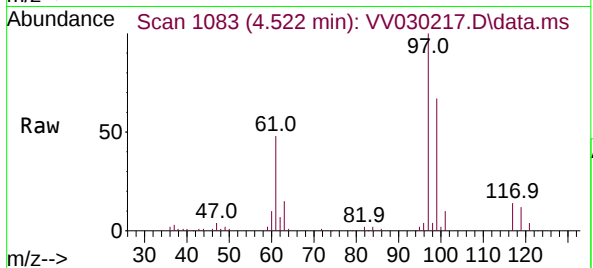
Tgt Ion: 97 Resp: 69112

Ion Ratio Lower Upper

97 100

99 64.6 51.3 76.9

61 46.3 31.5 47.3



#30

Cyclohexane

Concen: 4.618 ug/L

RT: 4.593 min Scan# 1105

Delta R.T. -0.003 min

Lab File: VV030217.D

Acq: 16 Mar 2023 11:35

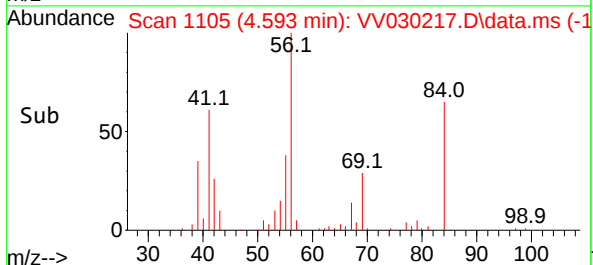
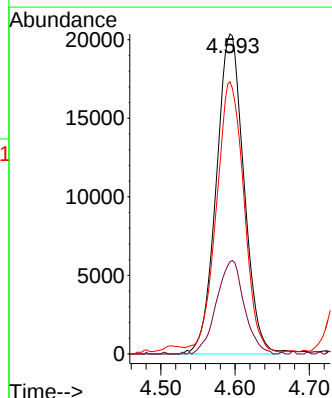
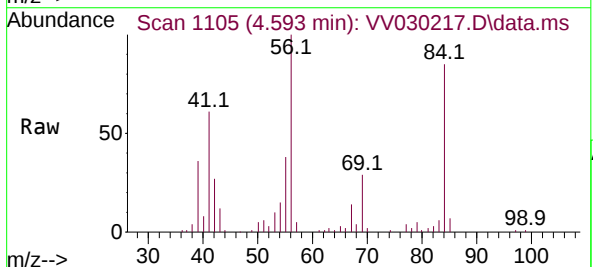
Tgt Ion: 56 Resp: 52579

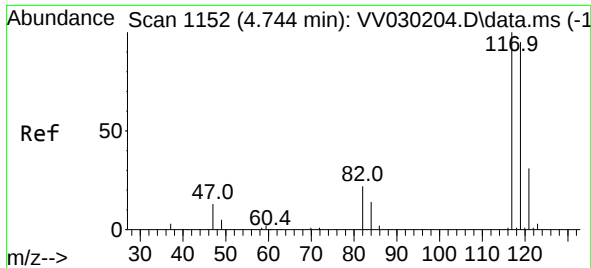
Ion Ratio Lower Upper

56 100

69 29.4 25.1 37.7

84 83.7 74.6 111.8

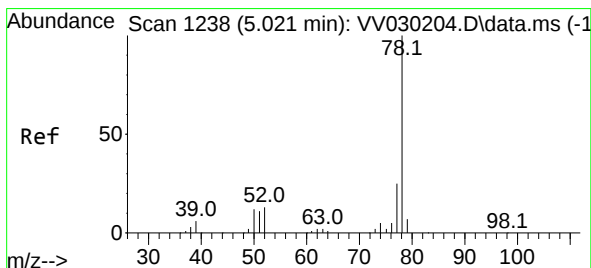
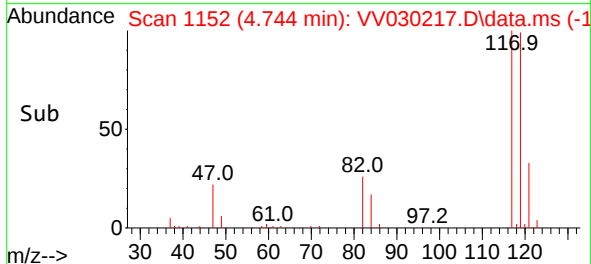
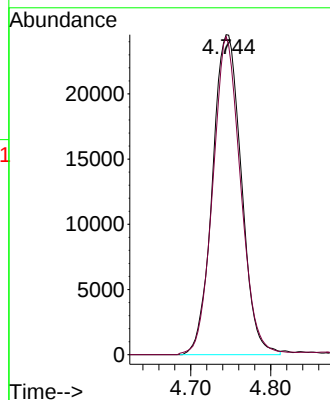
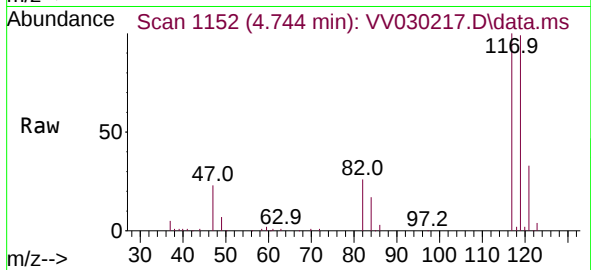




#31  
Carbon tetrachloride  
Concen: 5.194 ug/L  
RT: 4.744 min Scan# 1152  
Delta R.T. -0.000 min  
Lab File: VV030217.D  
Acq: 16 Mar 2023 11:35

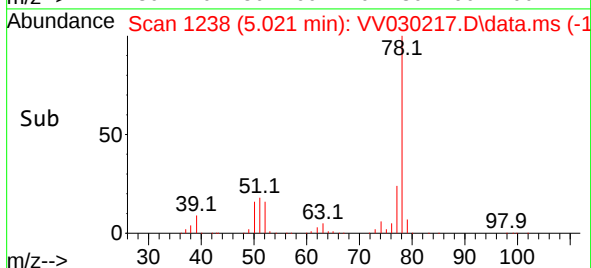
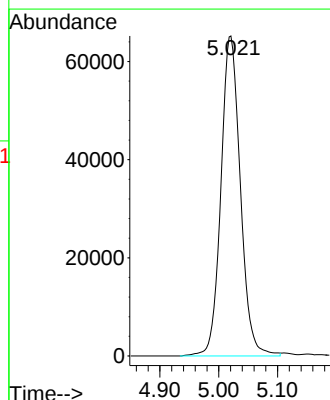
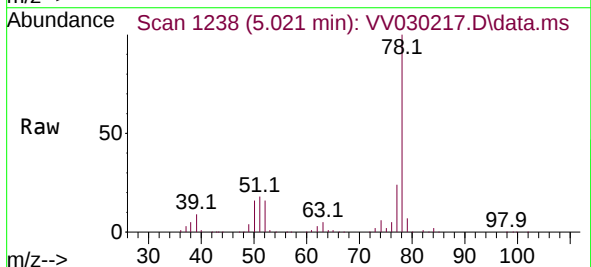
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD005304

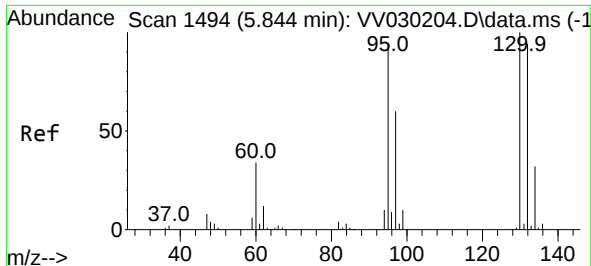
Tgt Ion:117 Resp: 61510  
Ion Ratio Lower Upper  
117 100  
119 95.9 76.1 114.1



#33  
Benzene  
Concen: 4.893 ug/L  
RT: 5.021 min Scan# 1238  
Delta R.T. -0.000 min  
Lab File: VV030217.D  
Acq: 16 Mar 2023 11:35

Tgt Ion: 78 Resp: 149888



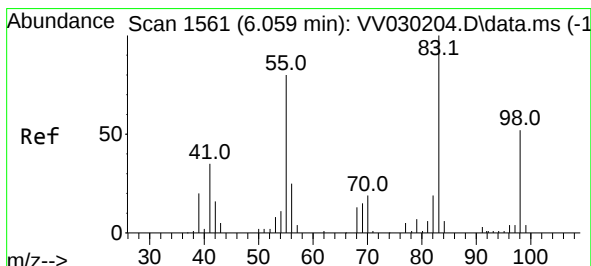
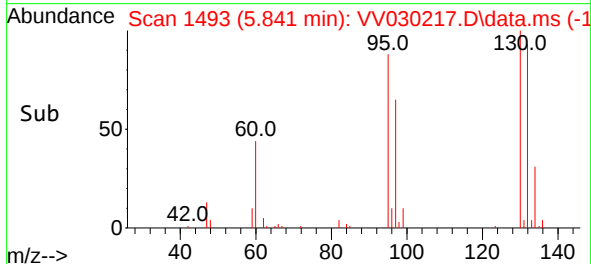
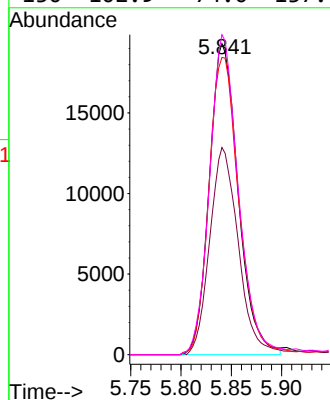
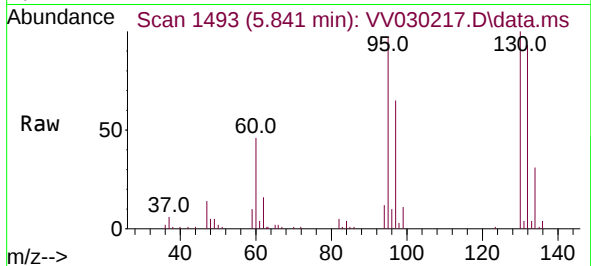


#34  
Trichloroethene  
Concen: 4.490 ug/L  
RT: 5.841 min Scan# 1493  
Delta R.T. -0.003 min  
Lab File: VV030217.D  
Acq: 16 Mar 2023 11:35

Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD005304

Tgt Ion: 95 Resp: 38537

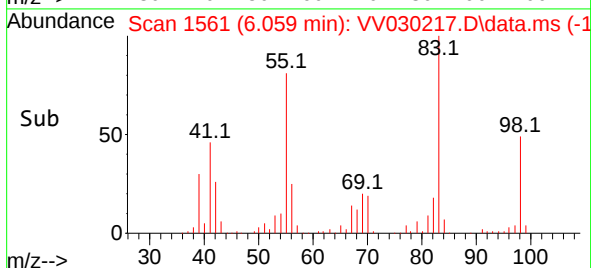
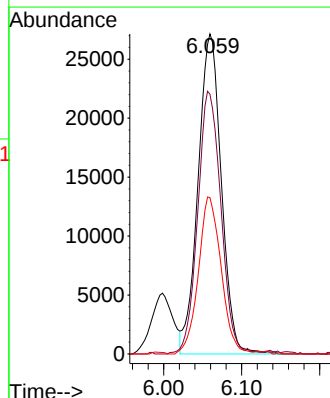
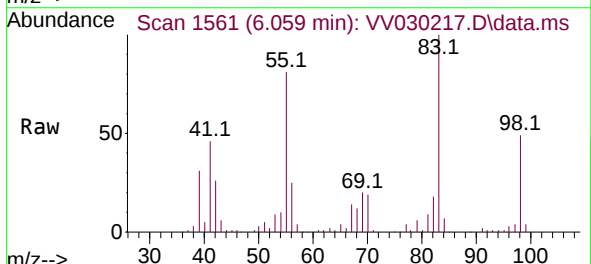
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 97  | 66.6  | 46.5  | 86.5  |
| 132 | 95.6  | 71.7  | 133.3 |
| 130 | 102.9 | 74.0  | 137.4 |

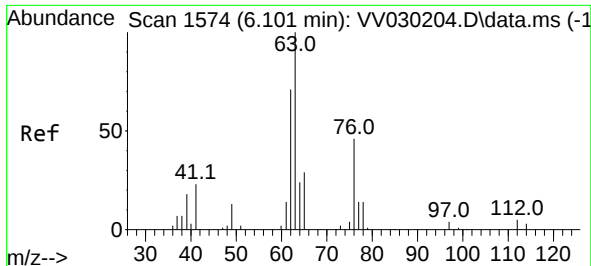


#35  
Methylcyclohexane  
Concen: 4.336 ug/L  
RT: 6.059 min Scan# 1561  
Delta R.T. -0.000 min  
Lab File: VV030217.D  
Acq: 16 Mar 2023 11:35

Tgt Ion: 83 Resp: 56330

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 83  | 100   |       |       |
| 55  | 82.1  | 57.6  | 86.4  |
| 98  | 47.9  | 38.8  | 58.2  |





#37

1,2-Dichloropropane

Concen: 4.908 ug/L

RT: 6.101 min Scan# 1

Delta R.T. -0.000 min

Lab File: VV030217.D

Acq: 16 Mar 2023 11:35

Instrument :

MSVOA\_V

ClientSampleId :

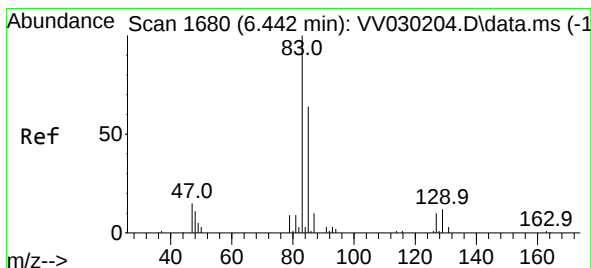
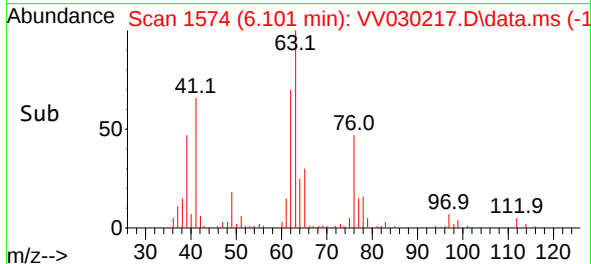
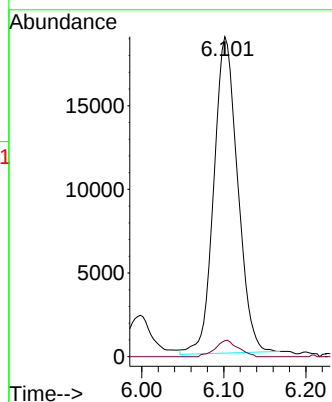
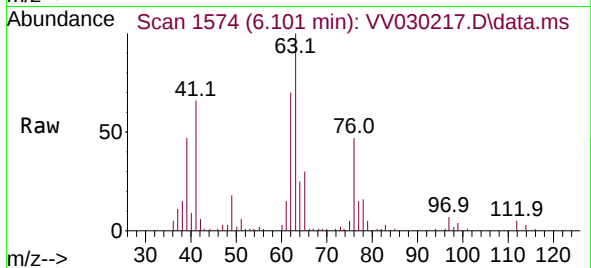
VSTD005304

Tgt Ion: 63 Resp: 38252

Ion Ratio Lower Upper

63 100

112 5.0 3.8 5.6



#38

Bromodichloromethane

Concen: 5.340 ug/L

RT: 6.442 min Scan# 1680

Delta R.T. -0.000 min

Lab File: VV030217.D

Acq: 16 Mar 2023 11:35

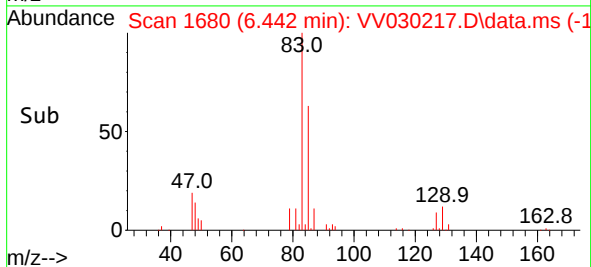
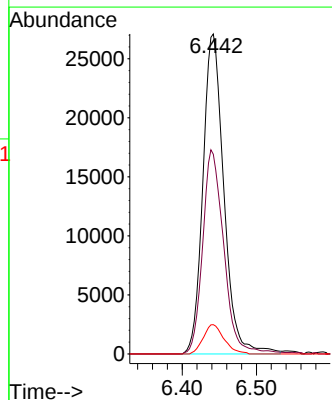
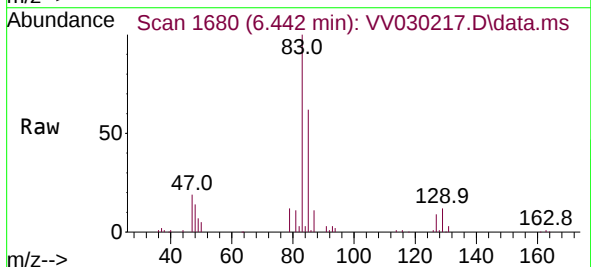
Tgt Ion: 83 Resp: 53127

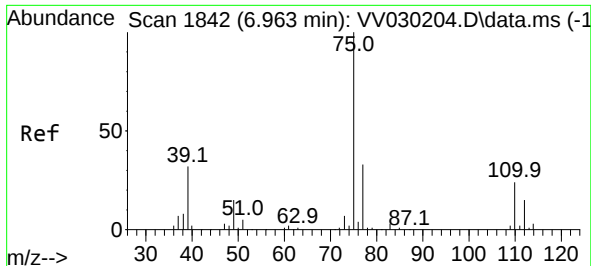
Ion Ratio Lower Upper

83 100

85 62.4 44.3 82.3

127 9.1 7.2 10.8





#39

cis-1,3-Dichloropropene

Concen: 4.882 ug/L

RT: 6.963 min Scan# 11

Delta R.T. -0.000 min

Lab File: VV030217.D

Acq: 16 Mar 2023 11:35

Instrument :

MSVOA\_V

ClientSampleId :

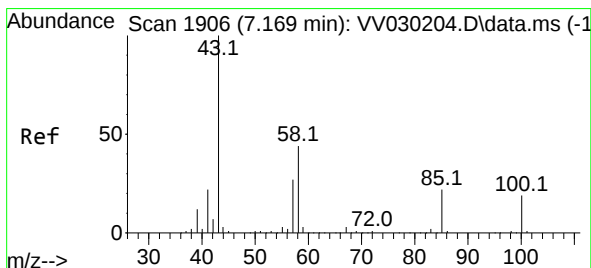
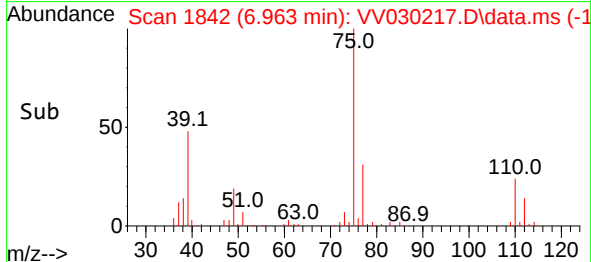
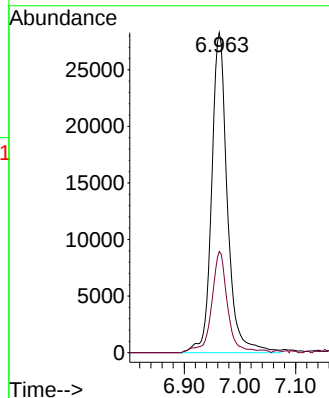
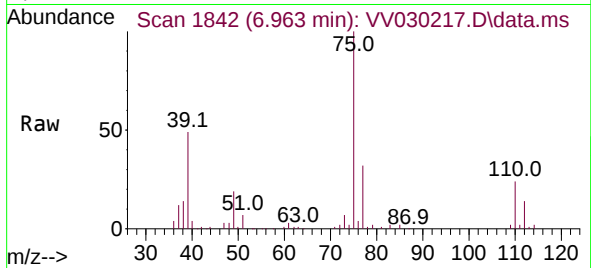
VSTD005304

Tgt Ion: 75 Resp: 55694

Ion Ratio Lower Upper

75 100

77 31.6 22.3 41.3



#40

4-Methyl-2-pentanone

Concen: 65.181 ug/L

RT: 7.169 min Scan# 1906

Delta R.T. -0.000 min

Lab File: VV030217.D

Acq: 16 Mar 2023 11:35

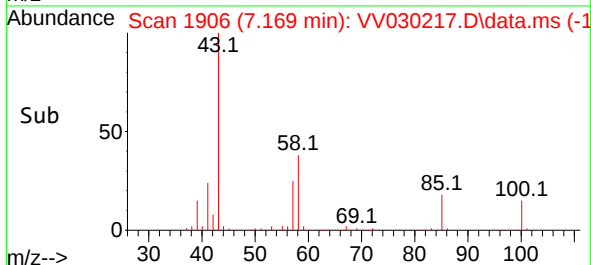
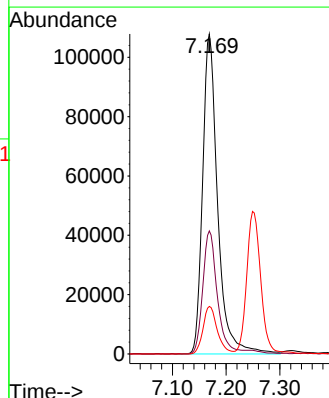
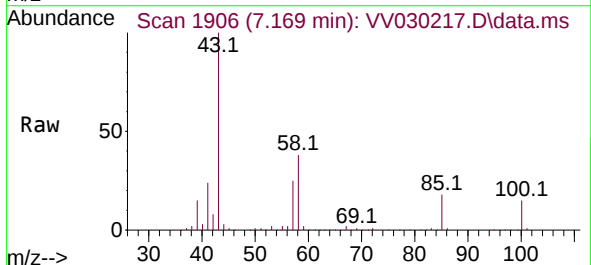
Tgt Ion: 43 Resp: 209616

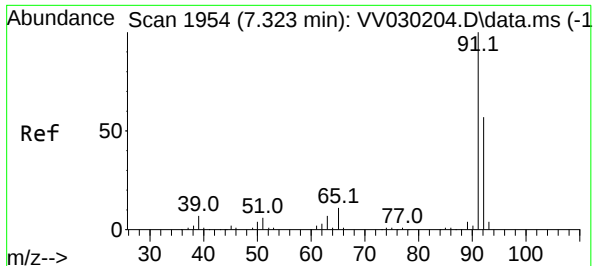
Ion Ratio Lower Upper

43 100

58 37.4 35.3 52.9

100 14.1 14.7 22.1#





#42

Toluene

Concen: 4.994 ug/L

RT: 7.323 min Scan# 1954

Delta R.T. -0.000 min

Lab File: VV030217.D

Acq: 16 Mar 2023 11:35

Instrument :

MSVOA\_V

ClientSampleId :

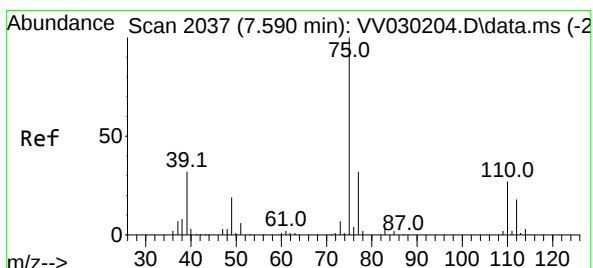
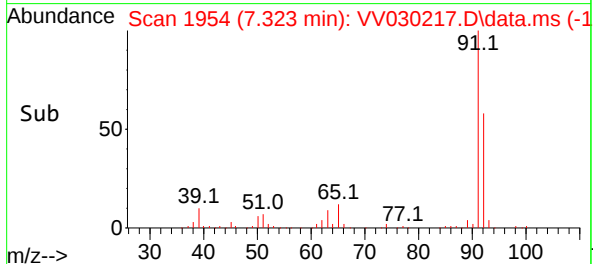
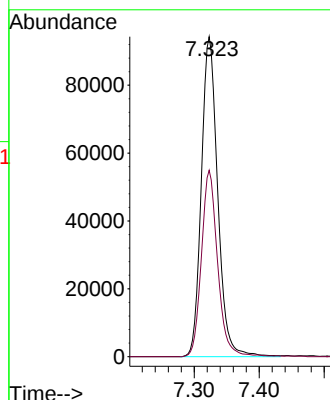
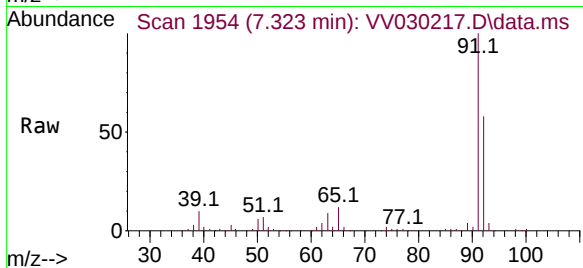
VSTD005304

Tgt Ion: 91 Resp: 165693

Ion Ratio Lower Upper

91 100

92 58.3 39.6 73.6



#44

trans-1,3-Dichloropropene

Concen: 5.007 ug/L

RT: 7.590 min Scan# 2037

Delta R.T. -0.000 min

Lab File: VV030217.D

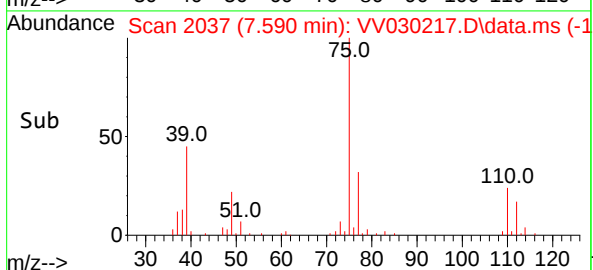
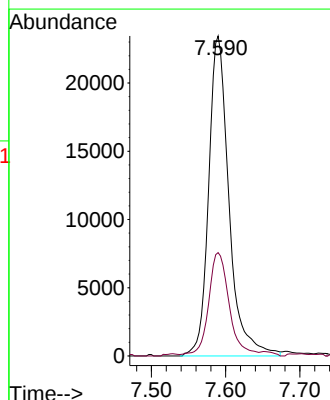
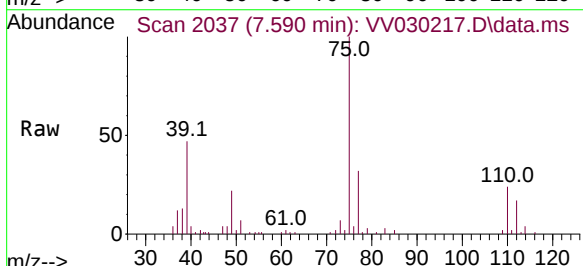
Acq: 16 Mar 2023 11:35

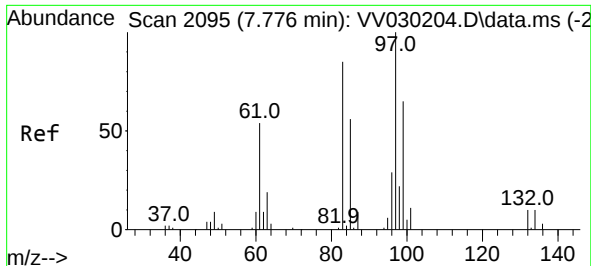
Tgt Ion: 75 Resp: 44593

Ion Ratio Lower Upper

75 100

77 32.3 22.1 41.1

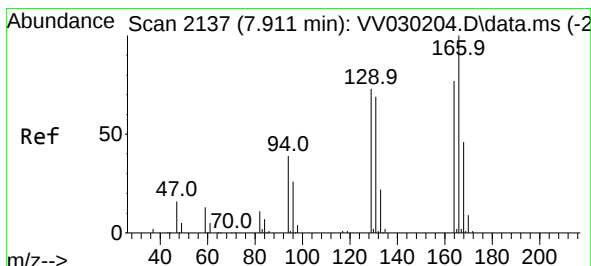
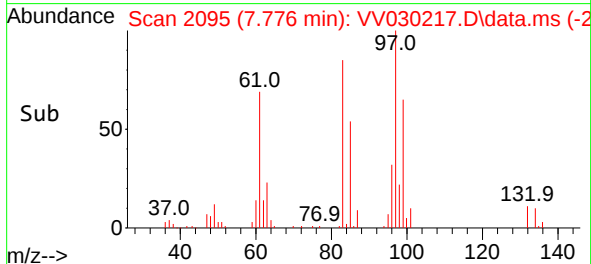
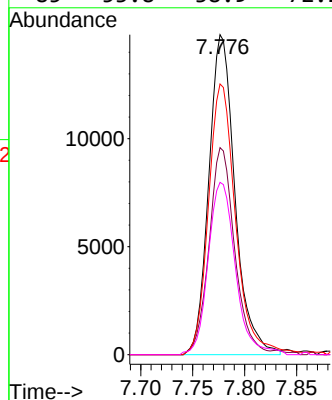
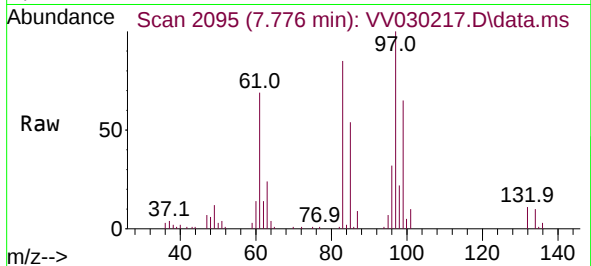




#45  
1,1,2-Trichloroethane  
Concen: 4.651 ug/L  
RT: 7.776 min Scan# 2095  
Delta R.T. -0.000 min  
Lab File: VV030217.D  
Acq: 16 Mar 2023 11:35

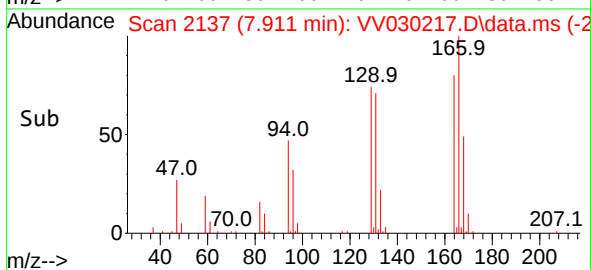
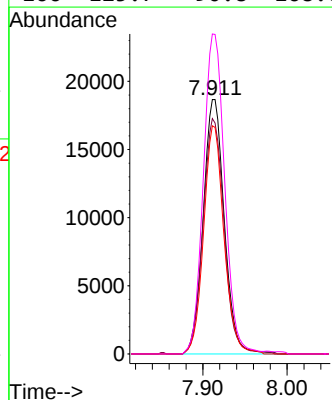
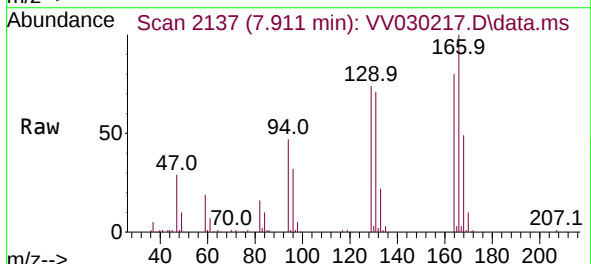
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD005304

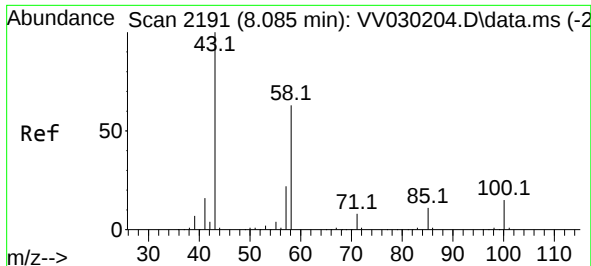
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 25936 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 99       | 64.7  | 42.6  | 79.2  |
| 83       | 84.6  | 57.7  | 107.3 |
| 85       | 53.8  | 38.9  | 72.2  |



#47  
Tetrachloroethene  
Concen: 4.420 ug/L  
RT: 7.911 min Scan# 2137  
Delta R.T. -0.000 min  
Lab File: VV030217.D  
Acq: 16 Mar 2023 11:35

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 164   | Resp: | 32565 |
| Ion      | Ratio | Lower | Upper |
| 164      | 100   |       |       |
| 129      | 92.5  | 63.6  | 118.2 |
| 131      | 89.6  | 61.7  | 114.7 |
| 166      | 125.7 | 90.8  | 168.6 |



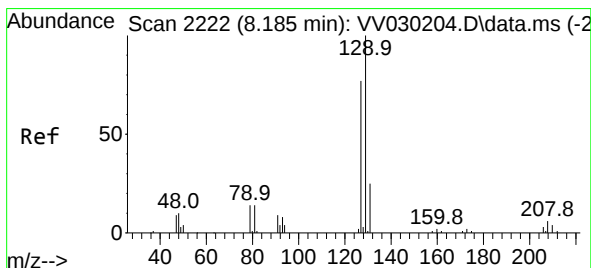
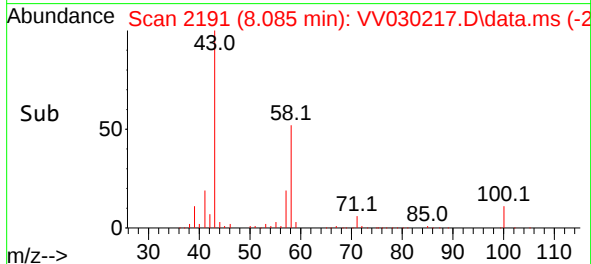
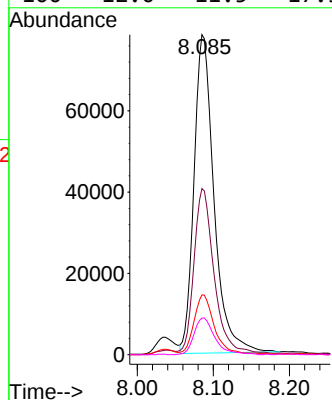
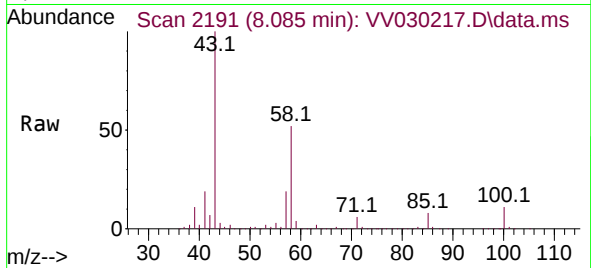


#48  
2-Hexanone  
Concen: 62.368 ug/L  
RT: 8.085 min Scan# 2191  
Delta R.T. -0.000 min  
Lab File: VV030217.D  
Acq: 16 Mar 2023 11:35

Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD005304

Tgt Ion: 43 Resp: 143586

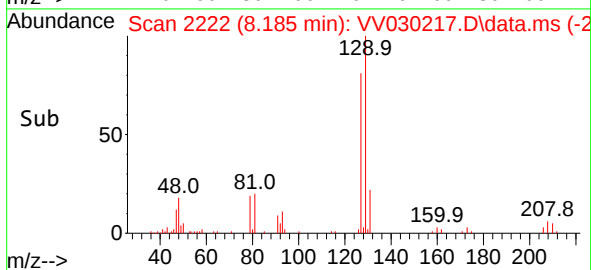
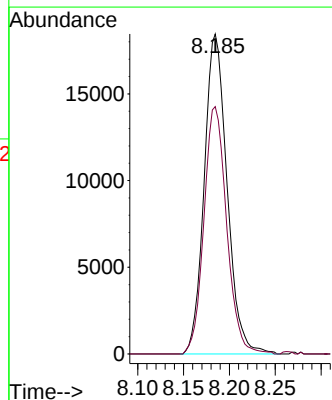
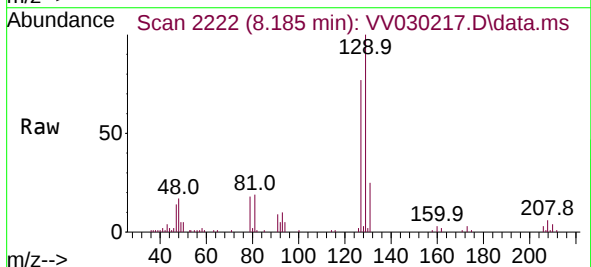
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 58  | 51.9  | 49.8  | 74.8  |
| 57  | 19.1  | 16.6  | 24.8  |
| 100 | 12.0  | 11.5  | 17.3  |

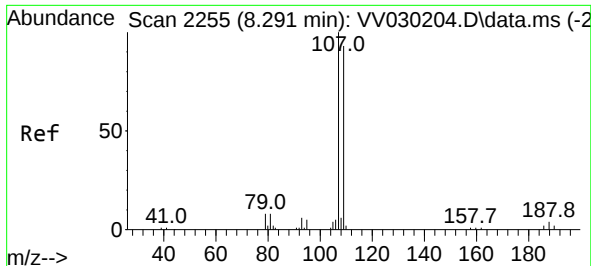


#49  
Dibromochloromethane  
Concen: 4.906 ug/L  
RT: 8.185 min Scan# 2222  
Delta R.T. -0.000 min  
Lab File: VV030217.D  
Acq: 16 Mar 2023 11:35

Tgt Ion: 129 Resp: 32016

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 129 | 100   |       |       |
| 127 | 77.3  | 54.7  | 101.5 |



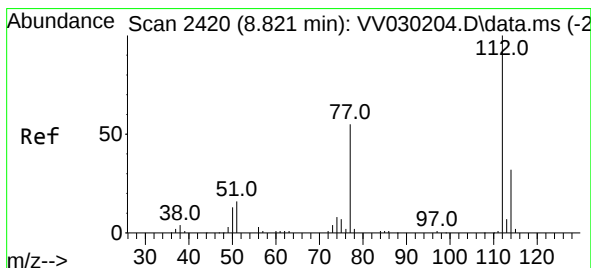
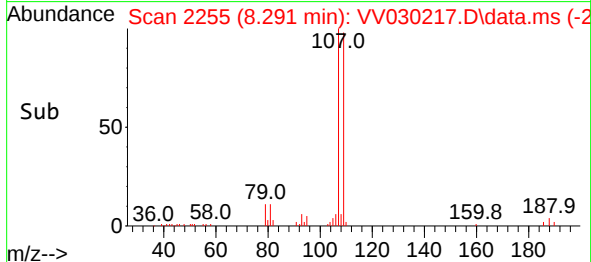
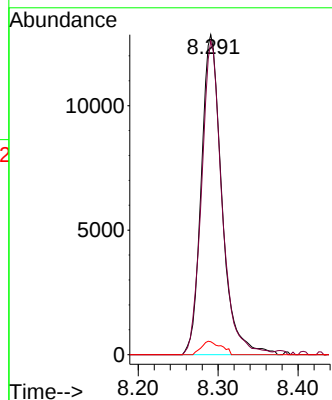
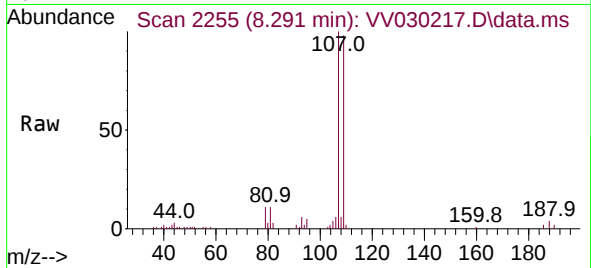


#50  
1,2-Dibromoethane  
Concen: 4.435 ug/L  
RT: 8.291 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VV030217.D  
Acq: 16 Mar 2023 11:35

Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD005304

Tgt Ion:107 Resp: 23077

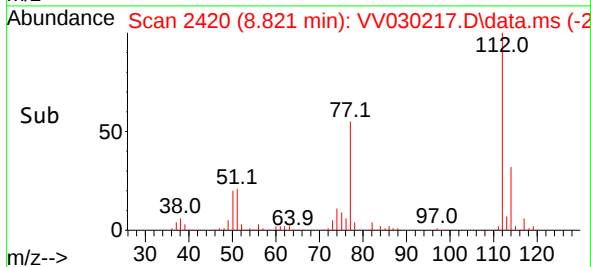
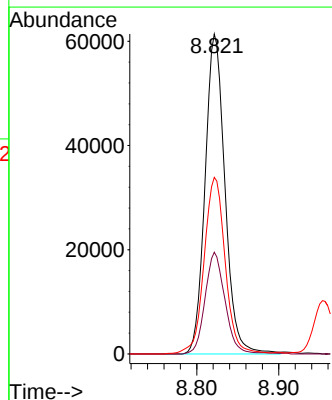
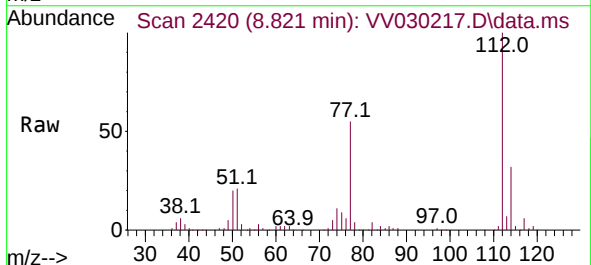
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 107 | 100   |       |       |
| 109 | 98.0  | 63.3  | 117.7 |
| 188 | 4.0   | 3.0   | 4.6   |

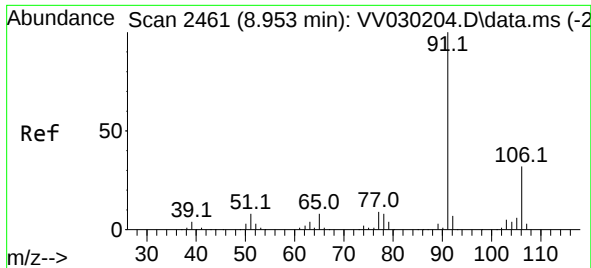


#51  
Chlorobenzene  
Concen: 4.625 ug/L  
RT: 8.821 min Scan# 2420  
Delta R.T. -0.000 min  
Lab File: VV030217.D  
Acq: 16 Mar 2023 11:35

Tgt Ion:112 Resp: 103486

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 112 | 100   |       |       |
| 114 | 31.8  | 22.5  | 41.7  |
| 77  | 55.2  | 45.3  | 67.9  |

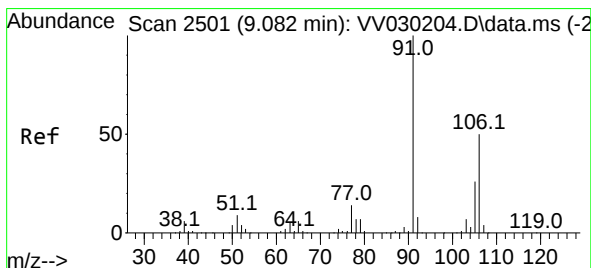
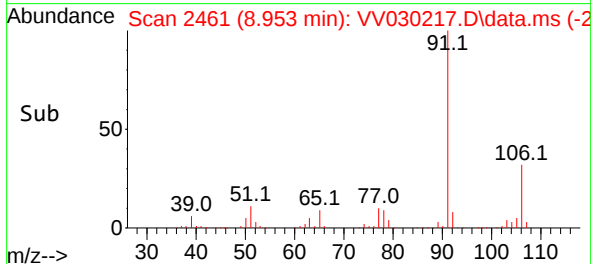
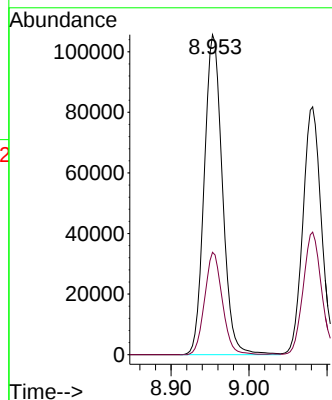
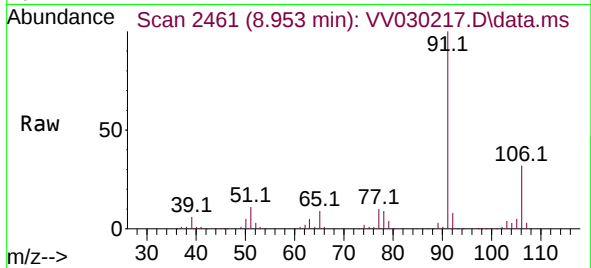




#52  
Ethylbenzene  
Concen: 4.742 ug/L  
RT: 8.953 min Scan# 2461  
Delta R.T. -0.000 min  
Lab File: VV030217.D  
Acq: 16 Mar 2023 11:35

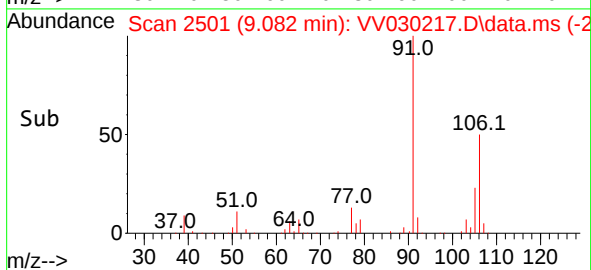
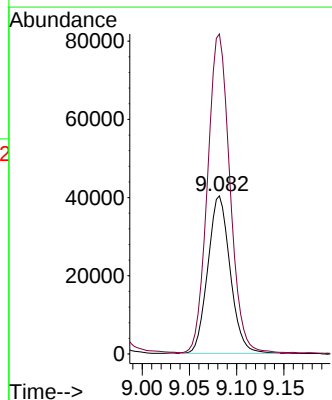
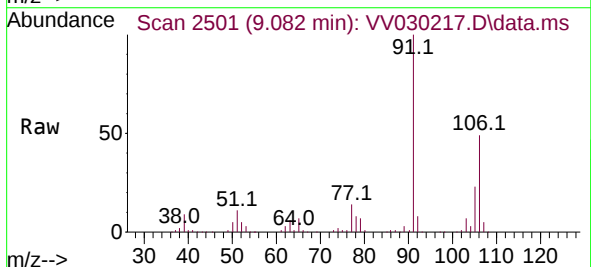
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD005304

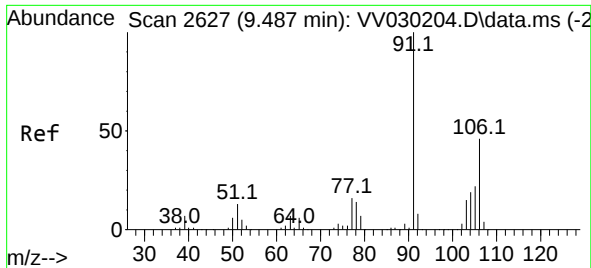
Tgt Ion: 91 Resp: 171211  
Ion Ratio Lower Upper  
91 100  
106 32.0 22.0 40.8



#53  
m,p-Xylene  
Concen: 4.755 ug/L  
RT: 9.082 min Scan# 2501  
Delta R.T. -0.000 min  
Lab File: VV030217.D  
Acq: 16 Mar 2023 11:35

Tgt Ion: 106 Resp: 65985  
Ion Ratio Lower Upper  
106 100  
91 202.4 142.5 264.7

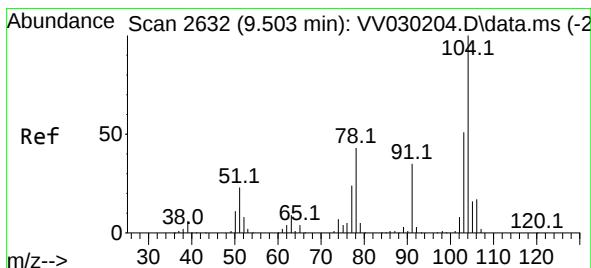
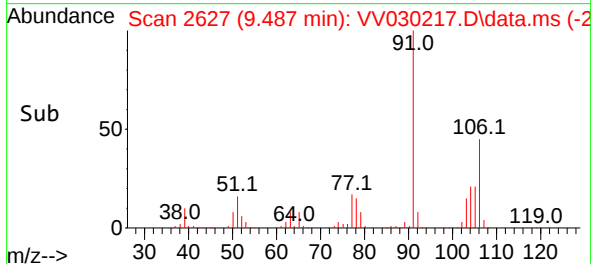
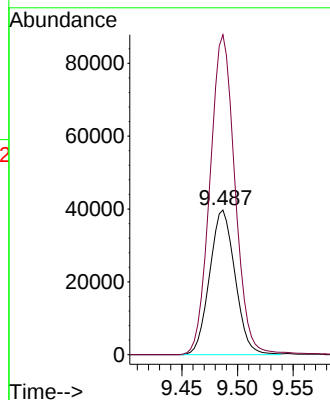
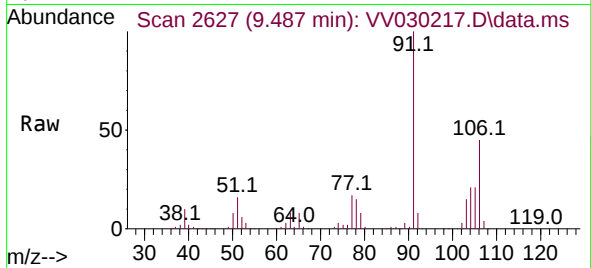




#54  
o-Xylene  
Concen: 4.763 ug/L  
RT: 9.487 min Scan# 2627  
Delta R.T. -0.000 min  
Lab File: VV030217.D  
Acq: 16 Mar 2023 11:35

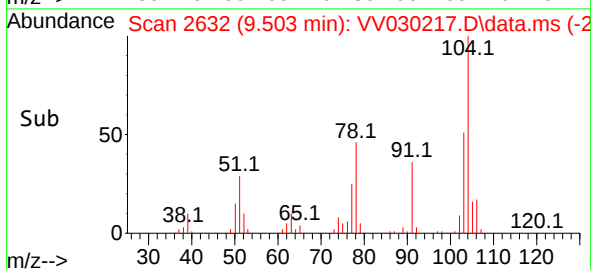
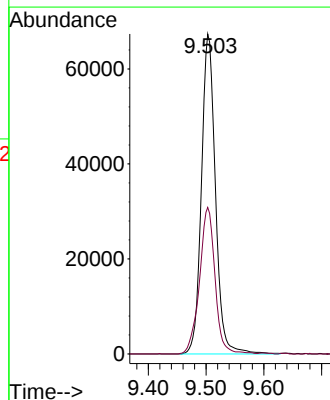
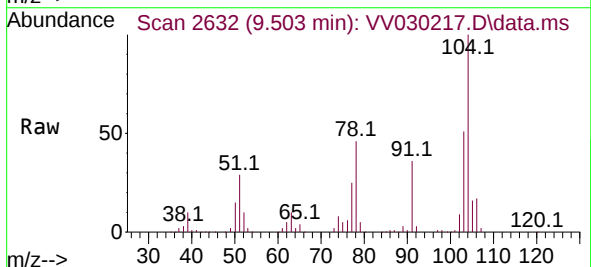
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD005304

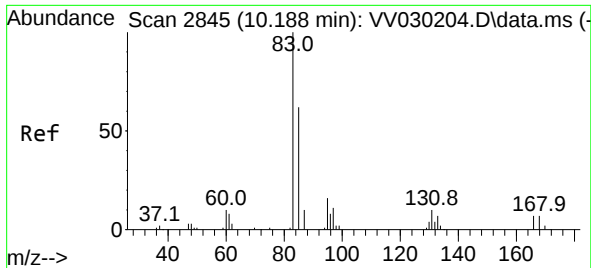
Tgt Ion:106 Resp: 63134  
Ion Ratio Lower Upper  
106 100  
91 221.2 148.8 276.4



#55  
Styrene  
Concen: 5.161 ug/L  
RT: 9.503 min Scan# 2632  
Delta R.T. -0.000 min  
Lab File: VV030217.D  
Acq: 16 Mar 2023 11:35

Tgt Ion:104 Resp: 113779  
Ion Ratio Lower Upper  
104 100  
78 45.8 31.1 57.9

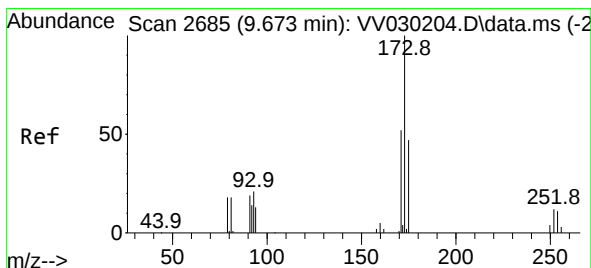
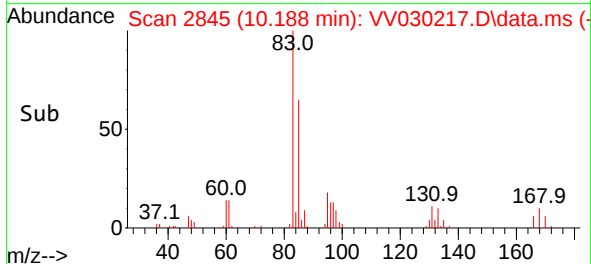
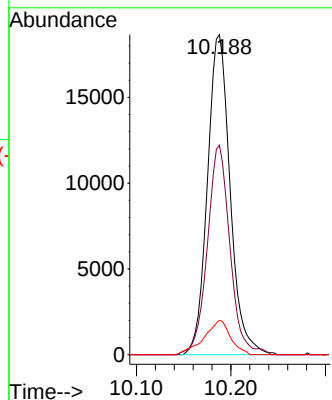
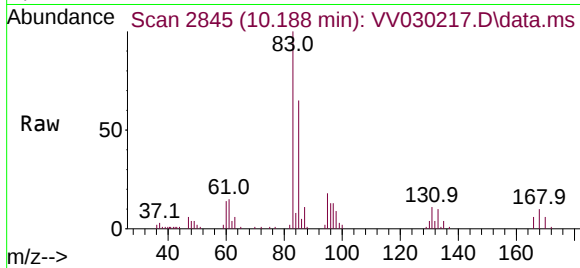




#57  
 1,1,2,2-Tetrachloroethane  
 Concen: 4.991 ug/L  
 RT: 10.188 min Scan# 2845  
 Delta R.T. -0.000 min  
 Lab File: VV030217.D  
 Acq: 16 Mar 2023 11:35

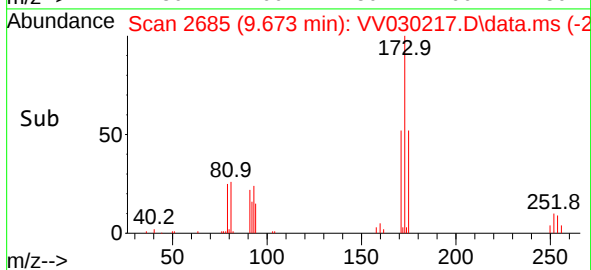
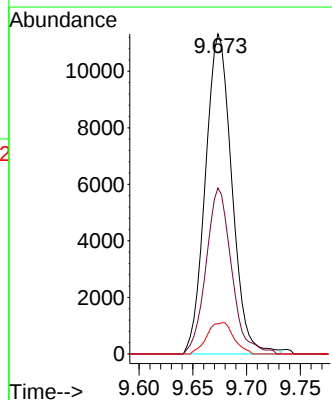
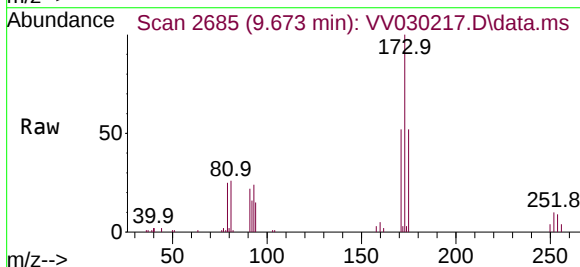
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD005304

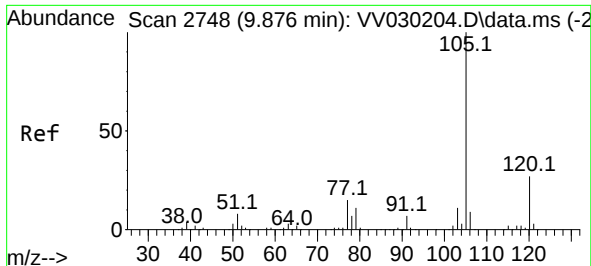
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 31131 |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 85       | 65.5  | 45.0  | 83.6  |
| 131      | 10.7  | 8.2   | 12.4  |



#59  
 Bromoform  
 Concen: 4.888 ug/L  
 RT: 9.673 min Scan# 2685  
 Delta R.T. -0.000 min  
 Lab File: VV030217.D  
 Acq: 16 Mar 2023 11:35

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 173   | Resp: | 19355 |
| Ion      | Ratio | Lower | Upper |
| 173      | 100   |       |       |
| 175      | 50.0  | 38.5  | 57.7  |
| 254      | 9.9   | 8.6   | 13.0  |

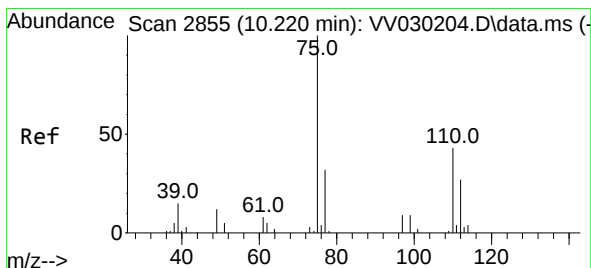
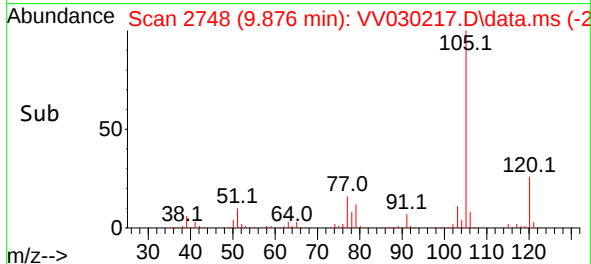
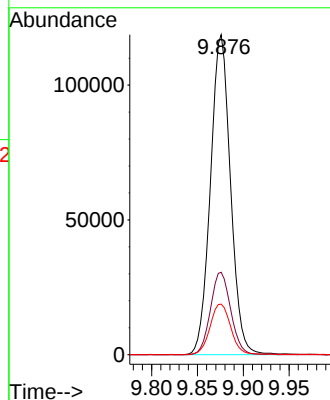
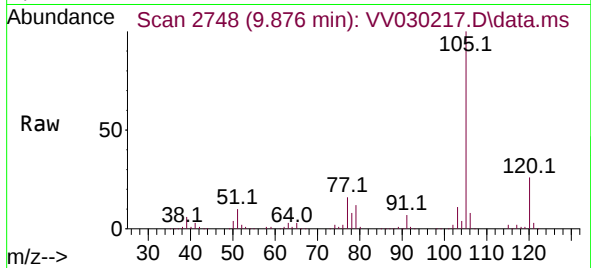




#60  
Isopropylbenzene  
Concen: 4.748 ug/L  
RT: 9.876 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VV030217.D  
Acq: 16 Mar 2023 11:35

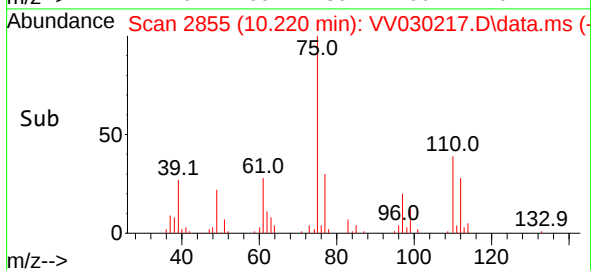
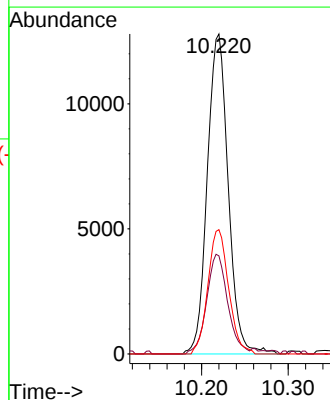
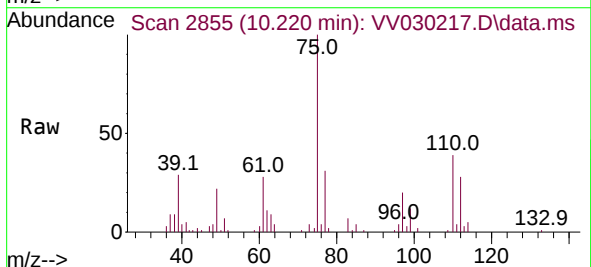
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD005304

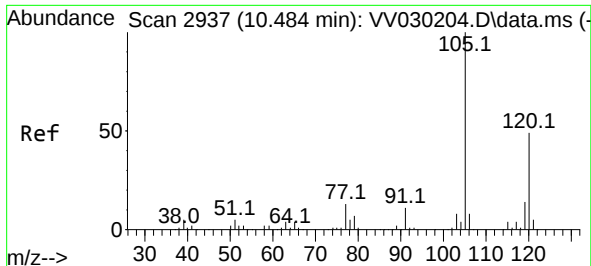
Tgt Ion:105 Resp: 180485  
Ion Ratio Lower Upper  
105 100  
120 26.0 21.4 32.0  
77 16.4 12.1 18.1



#61  
1,2,3-Trichloropropane  
Concen: 4.859 ug/L  
RT: 10.220 min Scan# 2855  
Delta R.T. -0.000 min  
Lab File: VV030217.D  
Acq: 16 Mar 2023 11:35

Tgt Ion: 75 Resp: 21484  
Ion Ratio Lower Upper  
75 100  
77 31.3 26.5 39.7  
110 38.6 31.8 47.6





#62

1,3,5-Trimethylbenzene

Concen: 4.672 ug/L

RT: 10.484 min Scan# 2937

Delta R.T. -0.000 min

Lab File: VV030217.D

Acq: 16 Mar 2023 11:35

Instrument :

MSVOA\_V

ClientSampleId :

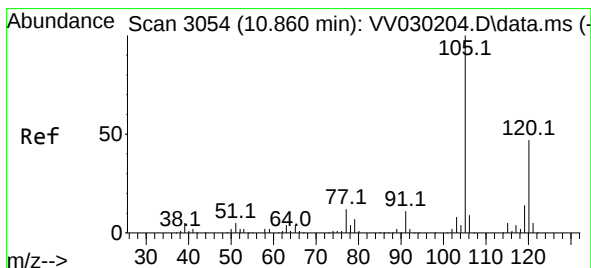
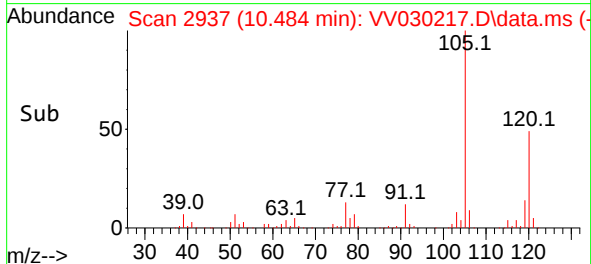
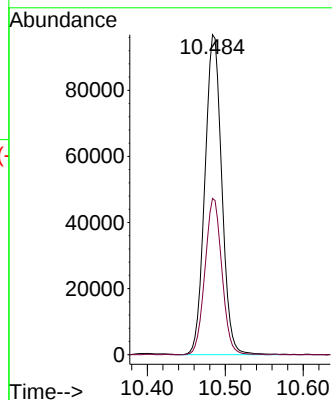
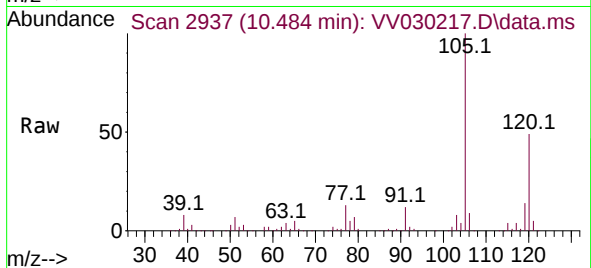
VSTD005304

Tgt Ion:105 Resp: 145874

Ion Ratio Lower Upper

105 100

120 48.8 39.6 59.4



#63

1,2,4-Trimethylbenzene

Concen: 4.738 ug/L

RT: 10.860 min Scan# 3054

Delta R.T. -0.000 min

Lab File: VV030217.D

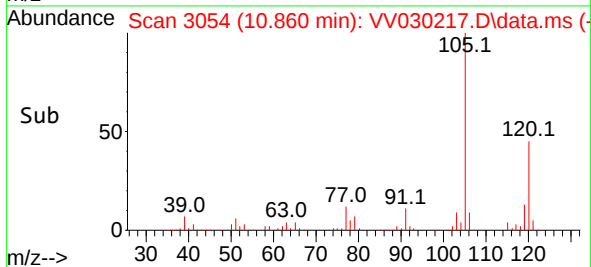
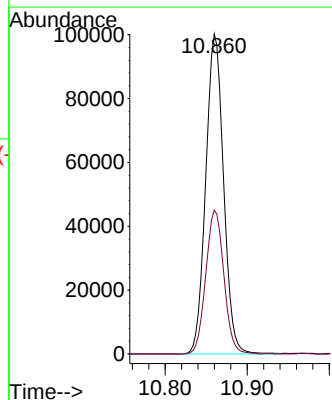
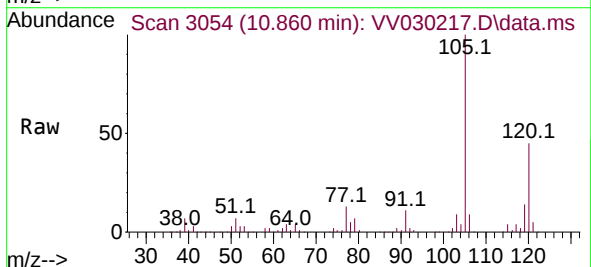
Acq: 16 Mar 2023 11:35

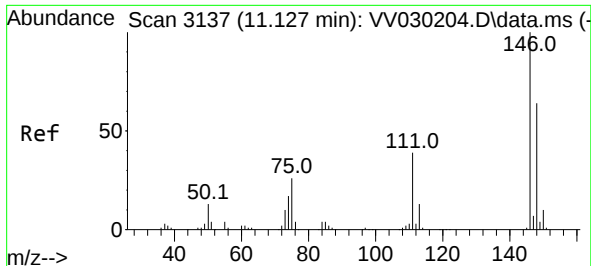
Tgt Ion:105 Resp: 151321

Ion Ratio Lower Upper

105 100

120 45.6 36.2 54.4

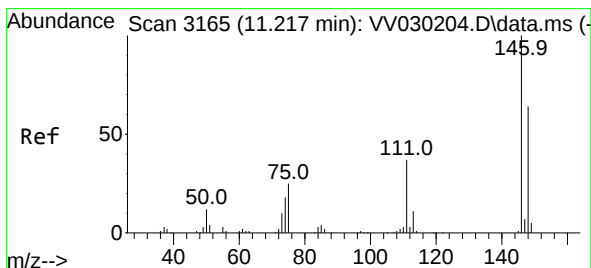
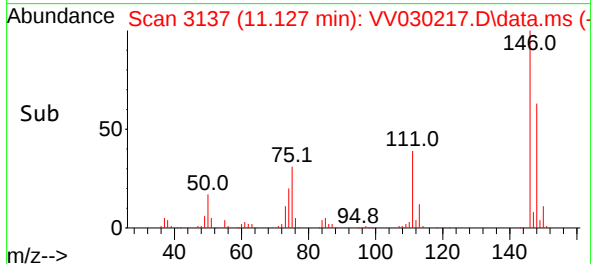
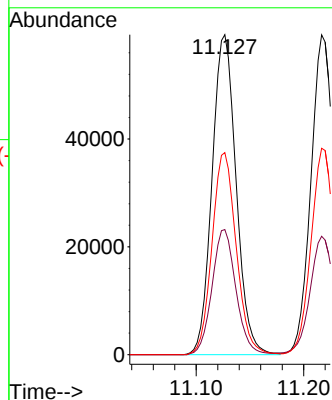
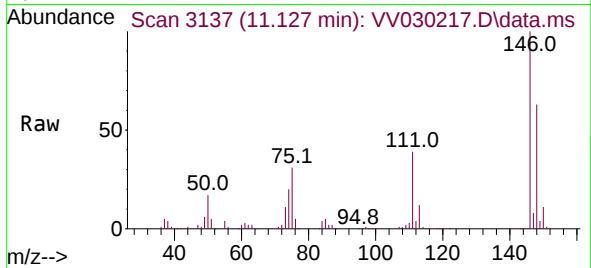




#64  
1,3-Dichlorobenzene  
Concen: 4.671 ug/L  
RT: 11.127 min Scan# 3137  
Delta R.T. -0.000 min  
Lab File: VV030217.D  
Acq: 16 Mar 2023 11:35

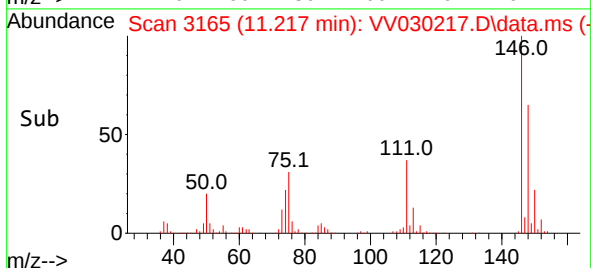
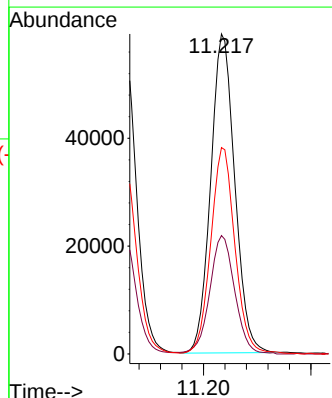
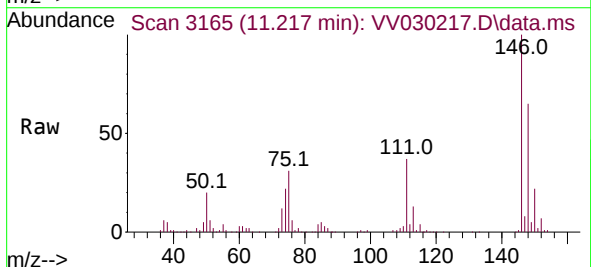
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD005304

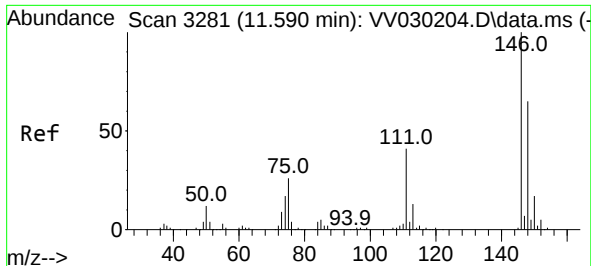
Tgt Ion:146 Resp: 92450  
Ion Ratio Lower Upper  
146 100  
111 39.1 27.7 51.5  
148 63.1 44.5 82.7



#65  
1,4-Dichlorobenzene  
Concen: 4.606 ug/L  
RT: 11.217 min Scan# 3165  
Delta R.T. -0.000 min  
Lab File: VV030217.D  
Acq: 16 Mar 2023 11:35

Tgt Ion:146 Resp: 91970  
Ion Ratio Lower Upper  
146 100  
111 37.0 27.4 51.0  
148 64.5 44.1 81.9





#67

1,2-Dichlorobenzene

Concen: 4.777 ug/L

RT: 11.590 min Scan# 3281

Delta R.T. -0.000 min

Lab File: VV030217.D

Acq: 16 Mar 2023 11:35

Instrument :

MSVOA\_V

ClientSampleId :

VSTD005304

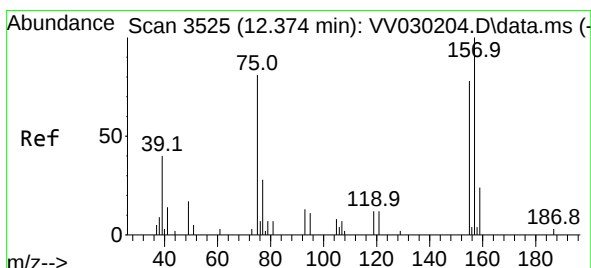
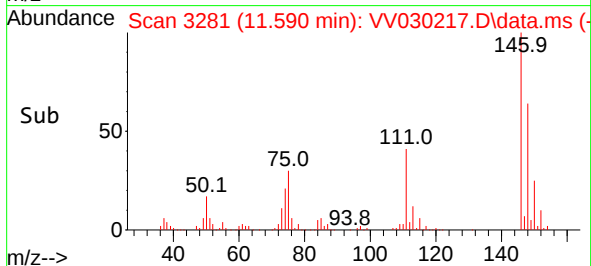
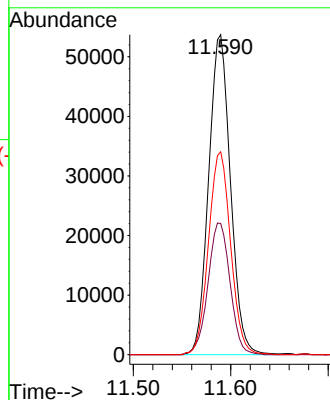
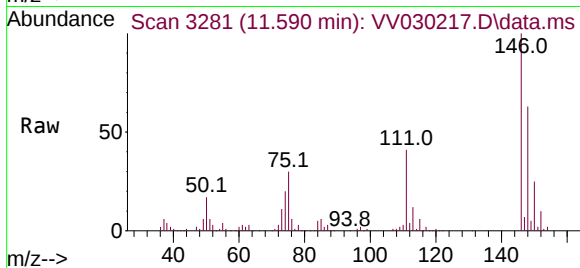
Tgt Ion:146 Resp: 83491

Ion Ratio Lower Upper

146 100

111 41.0 33.5 50.3

148 63.4 51.3 76.9



#68

1,2-Dibromo-3-chloropropane

Concen: 5.268 ug/L

RT: 12.374 min Scan# 3525

Delta R.T. -0.000 min

Lab File: VV030217.D

Acq: 16 Mar 2023 11:35

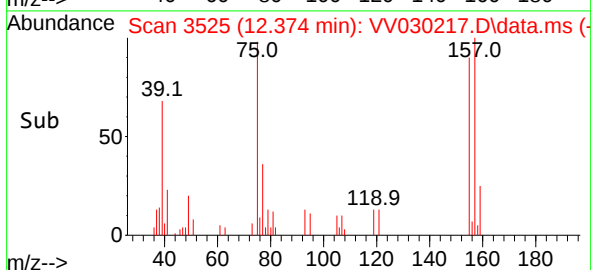
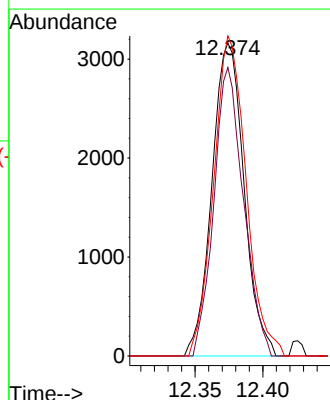
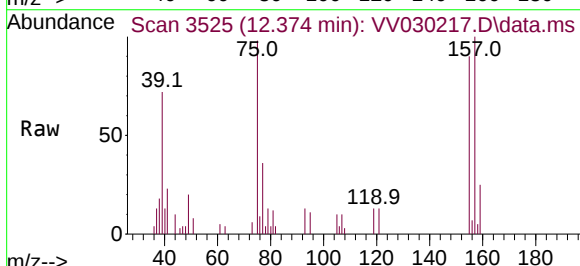
Tgt Ion: 75 Resp: 5202

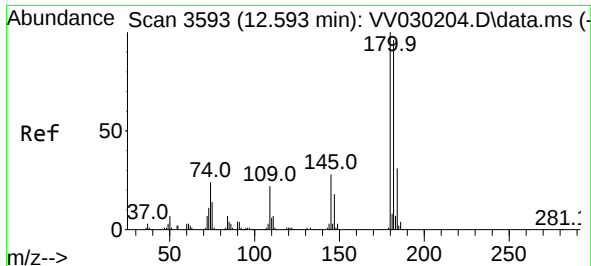
Ion Ratio Lower Upper

75 100

155 92.2 79.1 118.7

157 102.3 95.5 143.3

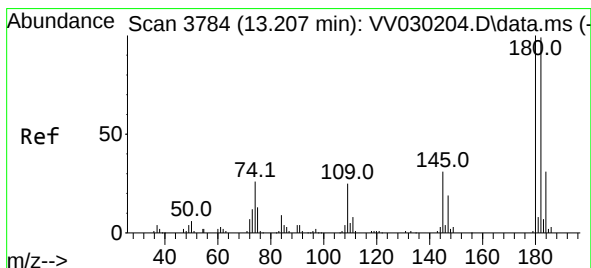
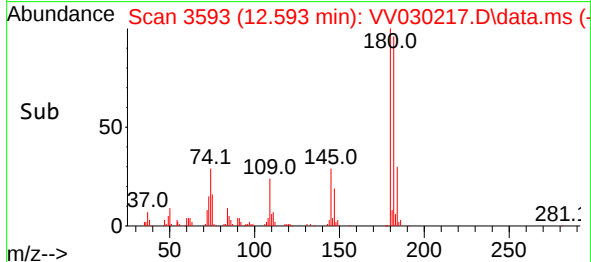
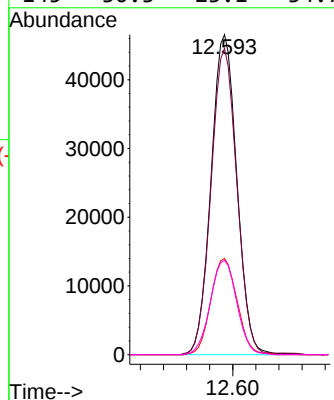
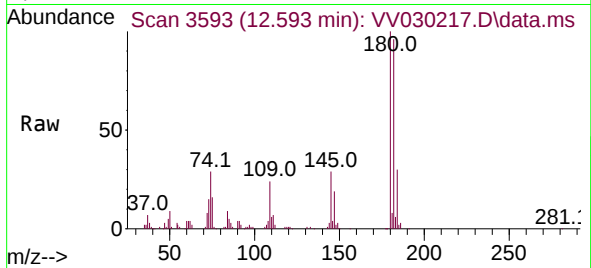




#69  
 1,3,5-Trichlorobenzene  
 Concen: 4.427 ug/L  
 RT: 12.593 min Scan# 3593  
 Delta R.T. -0.000 min  
 Lab File: VV030217.D  
 Acq: 16 Mar 2023 11:35

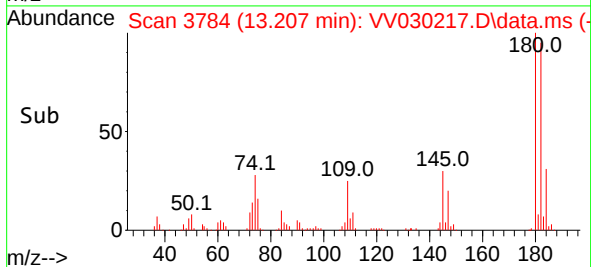
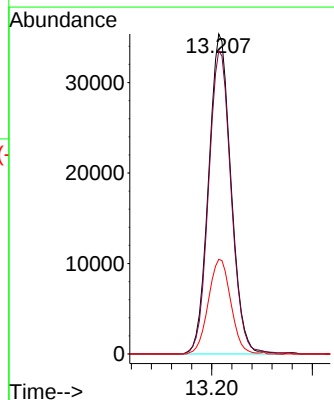
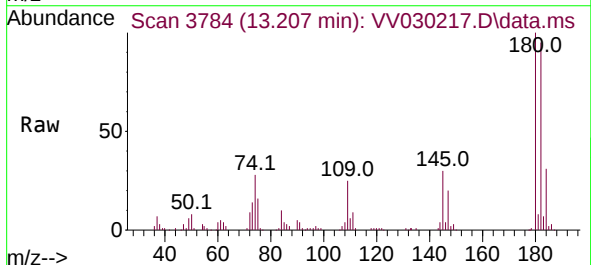
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD005304

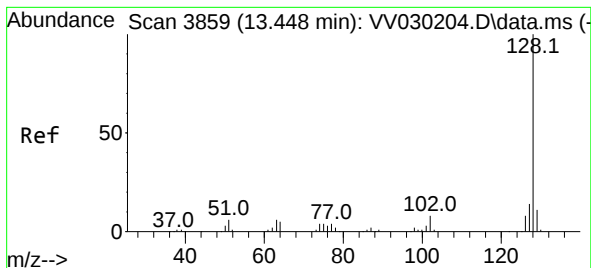
|             |       |            |
|-------------|-------|------------|
| Tgt Ion:180 | Resp: | 72034      |
| Ion Ratio   | Lower | Upper      |
| 180         | 100   |            |
| 182         | 95.9  | 76.5 114.7 |
| 184         | 30.7  | 24.3 36.5  |
| 145         | 30.3  | 23.1 34.7  |



#70  
 1,2,4-trichlorobenzene  
 Concen: 4.142 ug/L  
 RT: 13.207 min Scan# 3784  
 Delta R.T. -0.000 min  
 Lab File: VV030217.D  
 Acq: 16 Mar 2023 11:35

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:180 | Resp: | 54592      |
| Ion Ratio   | Lower | Upper      |
| 180         | 100   |            |
| 182         | 95.5  | 77.3 115.9 |
| 145         | 29.7  | 23.1 34.7  |





#71

Naphthalene

Concen: 4.294 ug/L

RT: 13.448 min Scan# 3859

Delta R.T. -0.000 min

Lab File: VV030217.D

Acq: 16 Mar 2023 11:35

Instrument :

MSVOA\_V

ClientSampleId :

VSTD005304

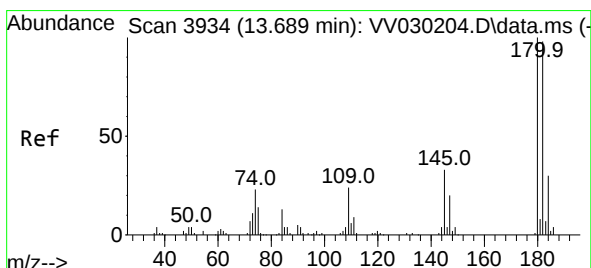
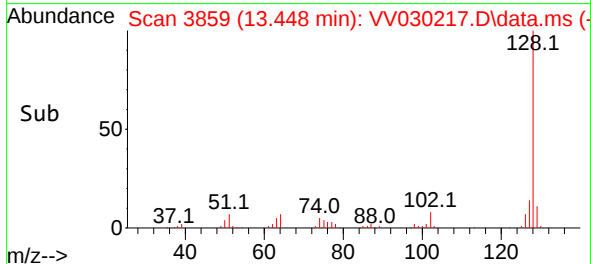
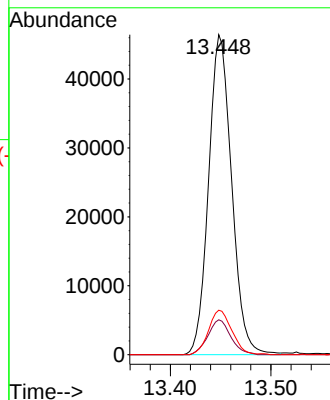
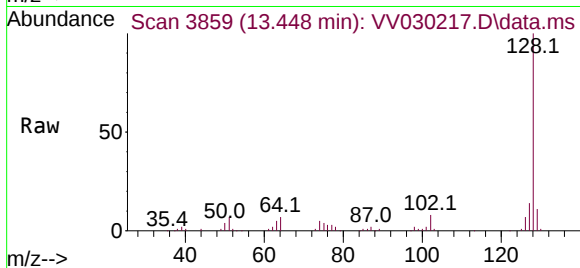
Tgt Ion:128 Resp: 73958

Ion Ratio Lower Upper

128 100

129 10.8 8.6 13.0

127 14.0 10.4 15.6



#72

1,2,3-Trichlorobenzene

Concen: 4.226 ug/L

RT: 13.689 min Scan# 3934

Delta R.T. -0.000 min

Lab File: VV030217.D

Acq: 16 Mar 2023 11:35

Tgt Ion:180 Resp: 45857

Ion Ratio Lower Upper

180 100

182 94.1 76.2 114.2

145 32.8 25.1 37.7

