

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW040521\  
 Data File : VW020908.D  
 Acq On : 05 Apr 2021 12:17  
 Operator : SY/MD  
 Sample : VSTDCC050  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD05073

Quant Time: Apr 06 06:17:47 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SOMVLM032321WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Apr 03 02:06:54 2021  
 Response via : Initial Calibration

| Compound                      | R.T.           | QIon | Response   | Conc    | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|---------|--------|----------|
| -----                         |                |      |            |         |        |          |
| Internal Standards            |                |      |            |         |        |          |
| 1) 1,4-Difluorobenzene        | 5.619          | 114  | 626753     | 50.00   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.857          | 117  | 598246     | 50.00   | ug/L   | 0.00     |
| 60) 1,4-Dichlorobenzene-d4    | 11.255         | 152  | 355962     | 50.00   | ug/L   | 0.00     |
|                               |                |      |            |         |        |          |
| System Monitoring Compounds   |                |      |            |         |        |          |
| 4) Vinyl Chloride-d3          | 1.307          | 65   | 173684     | 39.03   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 135 |      | Recovery = | 78.06%  |        |          |
| 7) Chloroethane-d5            | 1.568          | 69   | 139840     | 41.57   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 130 |      | Recovery = | 83.14%  |        |          |
| 11) 1,1-Dichloroethene-d2     | 2.108          | 63   | 365260     | 43.51   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 87.02%  |        |          |
| 21) 2-Butanone-d5             | 3.899          | 46   | 257624     | 88.99   | ug/L   | 0.00     |
| Spiked Amount 100.000         | Range 40 - 130 |      | Recovery = | 88.99%  |        |          |
| 24) Chloroform-d              | 4.352          | 84   | 445459     | 50.37   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 100.74% |        |          |
| 26) 1,2-Dichloroethane-d4     | 5.034          | 65   | 292876     | 50.27   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 100.54% |        |          |
| 32) Benzene-d6                | 5.053          | 84   | 794413     | 49.82   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 99.64%  |        |          |
| 36) 1,2-Dichloropropane-d6    | 6.072          | 67   | 228572     | 46.69   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 120 |      | Recovery = | 93.38%  |        |          |
| 41) Toluene-d8                | 7.317          | 98   | 778668     | 52.46   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 104.92% |        |          |
| 43) trans-1,3-Dichloroprop... | 7.622          | 79   | 135490     | 52.02   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 104.04% |        |          |
| 47) 2-Hexanone-d5             | 8.092          | 63   | 200437     | 97.65   | ug/L   | 0.00     |
| Spiked Amount 100.000         | Range 45 - 130 |      | Recovery = | 97.65%  |        |          |
| 57) 1,1,2,2-Tetrachloroeth... | 10.220         | 84   | 329353     | 46.18   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 65 - 120 |      | Recovery = | 92.36%  |        |          |
| 64) 1,2-Dichlorobenzene-d4    | 11.632         | 152  | 357723     | 51.78   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 103.56% |        |          |
|                               |                |      |            |         |        |          |
| Target Compounds              |                |      |            |         |        | Qvalue   |
| 2) Dichlorodifluoromethane    | 1.130          | 85   | 267743     | 45.59   | ug/L   | 100      |
| 3) Chloromethane              | 1.243          | 50   | 175984     | 37.54   | ug/L   | 99       |
| 5) Vinyl chloride             | 1.311          | 62   | 197644     | 41.28   | ug/L   | 99       |
| 6) Bromomethane               | 1.523          | 94   | 149569     | 49.54   | ug/L   | 98       |
| 8) Chloroethane               | 1.587          | 64   | 120321     | 43.50   | ug/L   | 99       |
| 9) Trichlorofluoromethane     | 1.754          | 101  | 434361     | 53.07   | ug/L   | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.118          | 101  | 212025     | 53.89   | ug/L   | 93       |
| 12) 1,1-Dichloroethene        | 2.118          | 96   | 184059     | 50.32   | ug/L   | 86       |
| 13) Acetone                   | 2.192          | 43   | 254888     | 123.47  | ug/L   | 98       |
| 14) Carbon disulfide          | 2.294          | 76   | 518102     | 42.84   | ug/L   | 99       |
| 15) Methyl Acetate            | 2.439          | 43   | 180137     | 41.80   | ug/L # | 89       |
| 16) Methylene chloride        | 2.507          | 84   | 214341     | 48.05   | ug/L   | 92       |
| 17) trans-1,2-Dichloroethene  | 2.761          | 96   | 209086     | 49.85   | ug/L   | 95       |
| 18) Methyl tert-butyl Ether   | 2.770          | 73   | 672753     | 51.74   | ug/L   | 97       |
| 19) 1,1-Dichloroethane        | 3.191          | 63   | 369198     | 47.38   | ug/L   | 99       |
| 20) cis-1,2-Dichloroethene    | 3.912          | 96   | 227151     | 50.62   | ug/L   | 89       |
| 22) 2-Butanone                | 3.979          | 43   | 294506     | 97.47   | ug/L   | 89       |
| 23) Bromochloromethane        | 4.249          | 128  | 130000     | 53.82   | ug/L   | 82       |
| 25) Chloroform                | 4.378          | 83   | 426838     | 51.50   | ug/L   | 99       |
| 27) 1,2-Dichloroethane        | 5.134          | 62   | 343699     | 51.91   | ug/L   | 98       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW040521\  
 Data File : VW020908.D  
 Acq On : 05 Apr 2021 12:17  
 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD05073

Quant Time: Apr 06 06:17:47 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SOMVLM032321WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Apr 03 02:06:54 2021  
 Response via : Initial Calibration

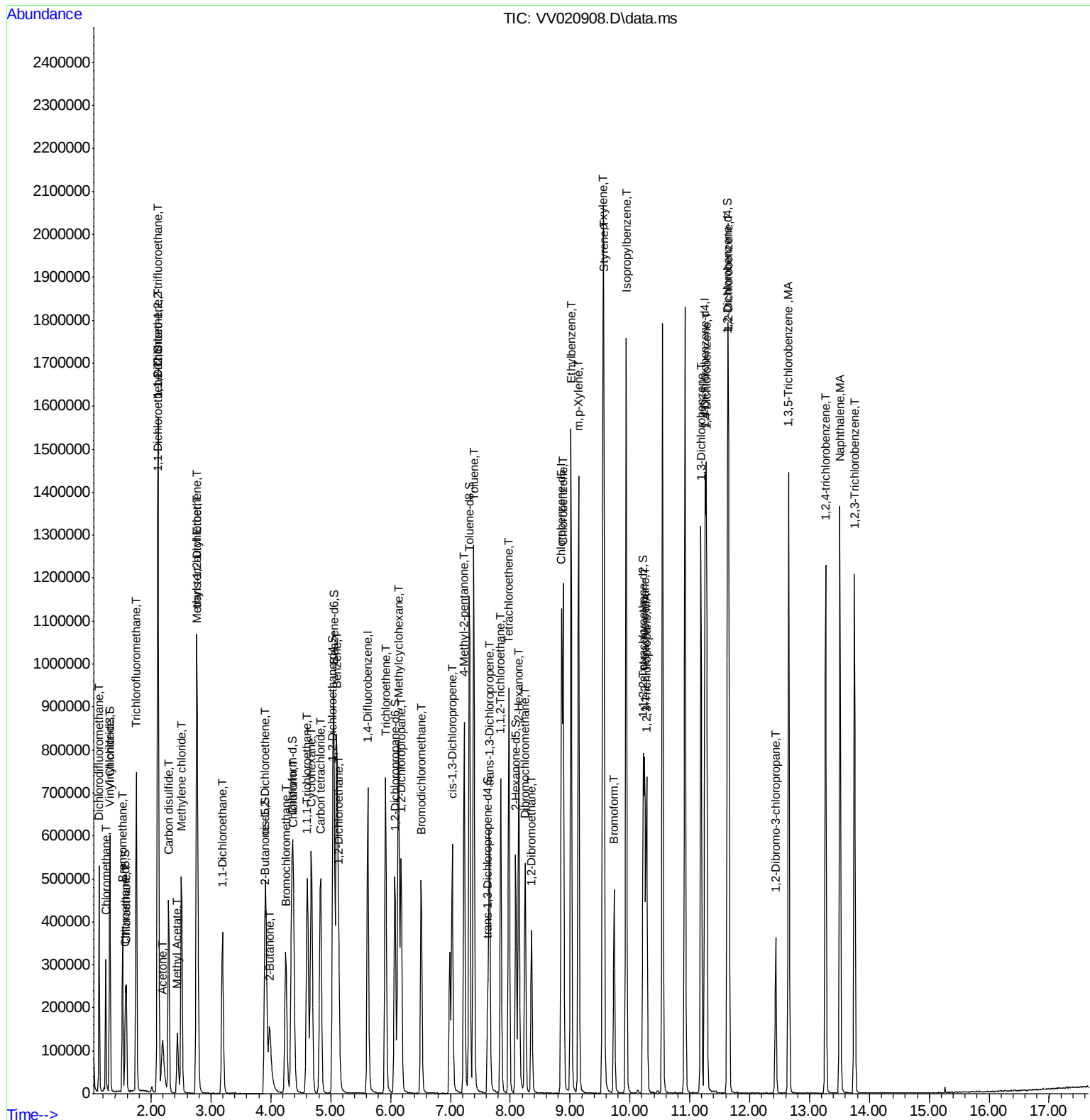
| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| 29) Cyclohexane               | 4.680  | 56   | 300578   | 44.42 | ug/L   | 90       |
| 30) 1,1,1-Trichloroethane     | 4.609  | 97   | 418705   | 56.59 | ug/L   | 97       |
| 31) Carbon tetrachloride      | 4.831  | 117  | 386474   | 58.48 | ug/L   | 99       |
| 33) Benzene                   | 5.101  | 78   | 826096   | 50.06 | ug/L   | 100      |
| 34) Trichloroethene           | 5.918  | 95   | 243516   | 53.84 | ug/L   | 95       |
| 35) Methylcyclohexane         | 6.133  | 83   | 352399   | 50.78 | ug/L   | 94       |
| 37) 1,2-Dichloropropane       | 6.175  | 63   | 196418   | 45.39 | ug/L # | 96       |
| 38) Bromodichloromethane      | 6.513  | 83   | 325606   | 53.58 | ug/L   | 99       |
| 39) cis-1,3-Dichloropropene   | 7.031  | 75   | 339227   | 50.78 | ug/L   | 100      |
| 40) 4-Methyl-2-pentanone      | 7.230  | 43   | 519697   | 89.56 | ug/L # | 94       |
| 42) Toluene                   | 7.391  | 91   | 930001   | 51.85 | ug/L   | 100      |
| 44) trans-1,3-Dichloropropene | 7.651  | 75   | 354680   | 52.73 | ug/L   | 99       |
| 45) 1,1,2-Trichloroethane     | 7.841  | 97   | 219425   | 51.55 | ug/L   | 96       |
| 46) Tetrachloroethene         | 7.979  | 164  | 211016   | 55.89 | ug/L   | 98       |
| 48) 2-Hexanone                | 8.143  | 43   | 442544   | 99.90 | ug/L # | 95       |
| 49) Dibromochloromethane      | 8.249  | 129  | 279440   | 56.35 | ug/L   | 100      |
| 50) 1,2-Dibromoethane         | 8.355  | 107  | 240812   | 52.82 | ug/L   | 99       |
| 51) Chlorobenzene             | 8.886  | 112  | 622513   | 51.71 | ug/L   | 99       |
| 52) Ethylbenzene              | 9.014  | 91   | 1056219  | 51.60 | ug/L   | 98       |
| 53) m,p-Xylene                | 9.143  | 106  | 405927   | 53.32 | ug/L   | 99       |
| 54) o-xylene                  | 9.548  | 106  | 400504   | 54.58 | ug/L   | 95       |
| 55) Styrene                   | 9.564  | 104  | 694164   | 53.84 | ug/L   | 97       |
| 56) Isopropylbenzene          | 9.937  | 105  | 1113563  | 55.11 | ug/L   | 99       |
| 58) 1,1,2,2-Tetrachloroethane | 10.246 | 83   | 327757   | 47.20 | ug/L   | 99       |
| 59) 1,2,3-Trichloropropane    | 10.278 | 75   | 282860   | 50.06 | ug/L   | 99       |
| 61) Bromoform                 | 9.735  | 173  | 219769   | 54.38 | ug/L   | 99       |
| 62) 1,3-Dichlorobenzene       | 11.185 | 146  | 548680   | 50.51 | ug/L   | 99       |
| 63) 1,4-Dichlorobenzene       | 11.278 | 146  | 557478   | 49.34 | ug/L   | 99       |
| 65) 1,2-Dichlorobenzene       | 11.648 | 146  | 556555   | 51.99 | ug/L   | 98       |
| 66) 1,2-Dibromo-3-chloropr... | 12.435 | 75   | 86789    | 47.95 | ug/L   | 87       |
| 67) 1,3,5-Trichlorobenzene    | 12.651 | 180  | 449339   | 53.36 | ug/L   | 99       |
| 68) 1,2,4-trichlorobenzene    | 13.268 | 180  | 375498   | 52.60 | ug/L   | 100      |
| 69) Naphthalene               | 13.509 | 128  | 1054201  | 51.59 | ug/L   | 99       |
| 70) 1,2,3-Trichlorobenzene    | 13.751 | 180  | 386354   | 54.04 | ug/L   | 99       |

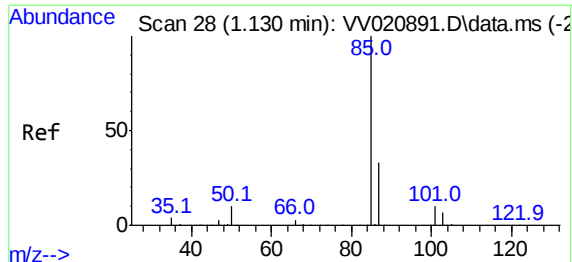
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV040521\  
Data File : VV020908.D  
Acq On : 05 Apr 2021 12:17  
Operator : SY/MD  
Sample : VSTDCCC050  
Misc : 25.0mL/MSVOA\_V/WATER  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD05073

Quant Time: Apr 06 06:17:47 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SOMVLM032321WMA.M  
Quant Title : VOC Analysis  
QLast Update : Sat Apr 03 02:06:54 2021  
Response via : Initial Calibration



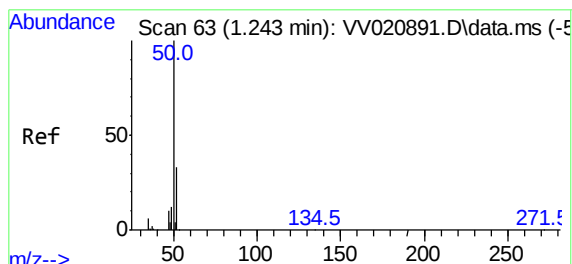
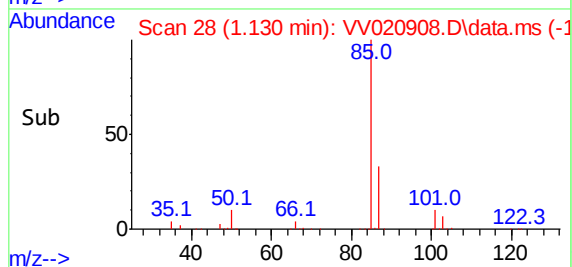
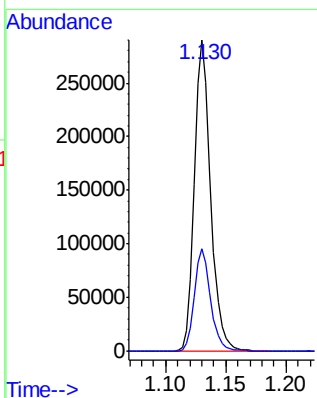
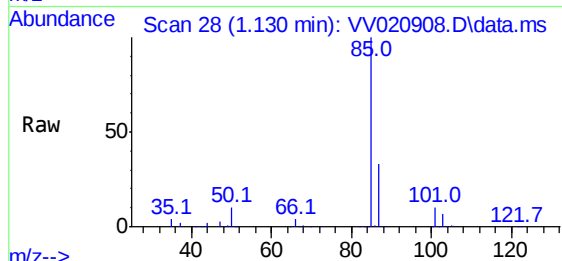


#2  
 Dichlorodifluoromethane  
 Concen: 45.59 ug/L  
 RT: 1.130 min Scan# 28  
 Delta R.T. -0.000 min  
 Lab File: VV020908.D  
 Acq: 05 Apr 2021 12:17

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD05073

Tgt Ion: 85 Resp: 267743  

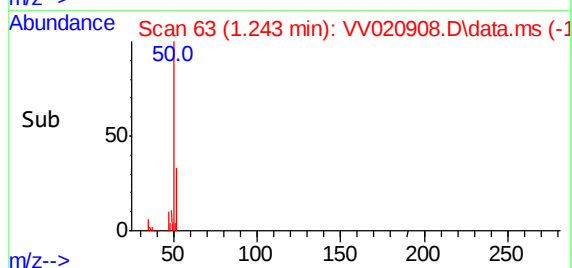
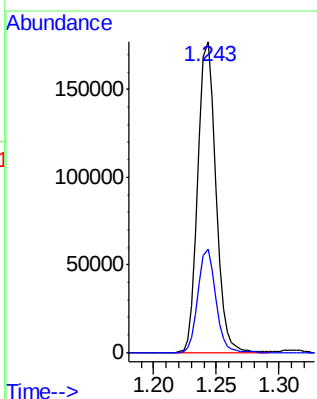
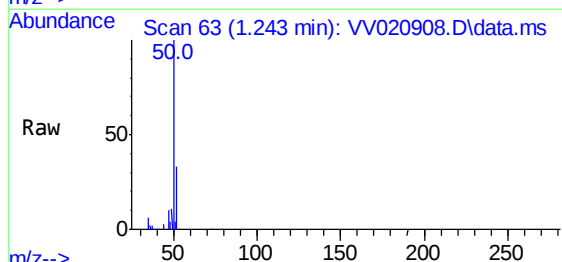
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 85  | 100   |       |       |
| 87  | 32.8  | 26.3  | 39.5  |

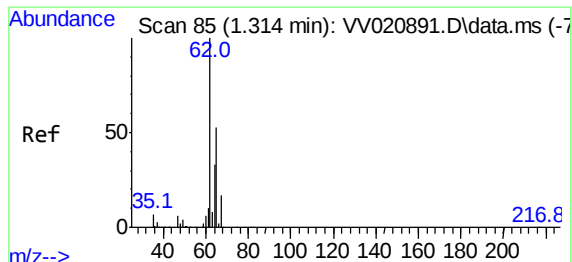


#3  
 Chloromethane  
 Concen: 37.54 ug/L  
 RT: 1.243 min Scan# 63  
 Delta R.T. -0.000 min  
 Lab File: VV020908.D  
 Acq: 05 Apr 2021 12:17

Tgt Ion: 50 Resp: 175984  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 50  | 100   |       |       |
| 52  | 33.1  | 22.7  | 42.1  |



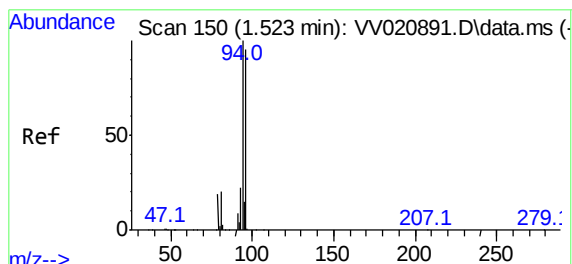
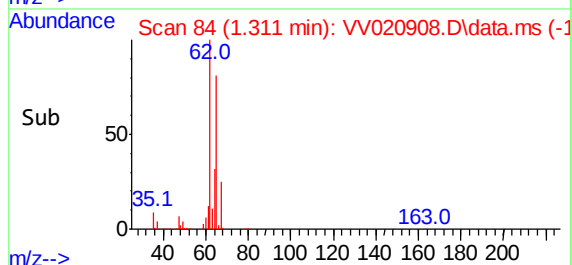
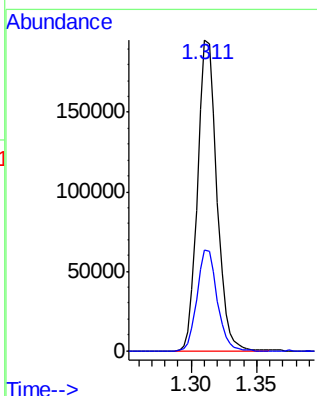
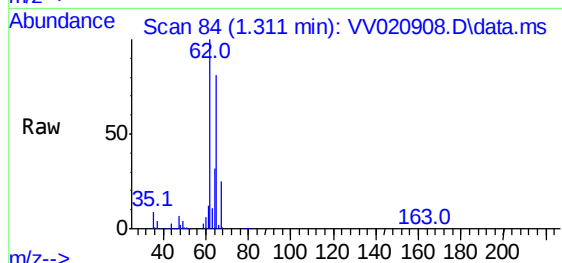


#5  
 Vinyl chloride  
 Concen: 41.28 ug/L  
 RT: 1.311 min Scan# 84  
 Delta R.T. -0.003 min  
 Lab File: VV020908.D  
 Acq: 05 Apr 2021 12:17

Instrument :  
 MSVOA\_V  
 ClientSampled :  
 VSTD05073

Tgt Ion: 62 Resp: 197644  

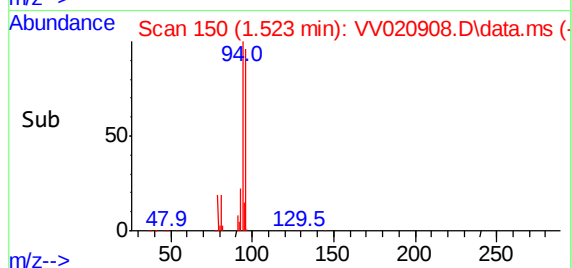
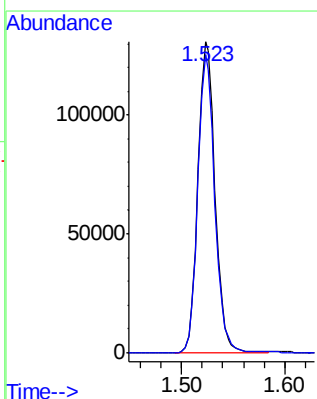
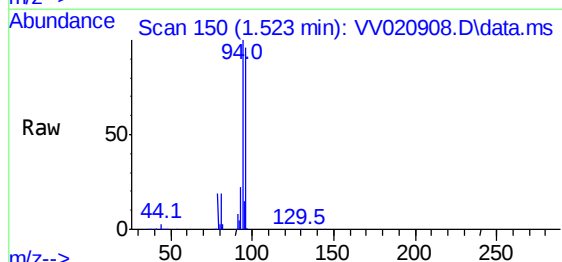
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 62  | 100   |       |       |
| 64  | 32.5  | 23.3  | 43.3  |

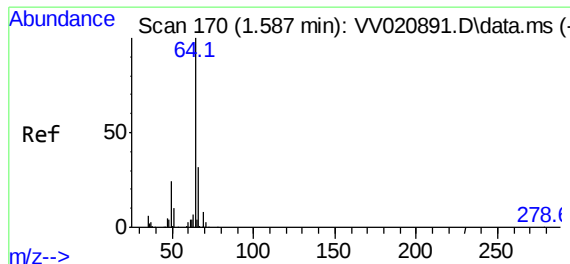


#6  
 Bromomethane  
 Concen: 49.54 ug/L  
 RT: 1.523 min Scan# 150  
 Delta R.T. -0.000 min  
 Lab File: VV020908.D  
 Acq: 05 Apr 2021 12:17

Tgt Ion: 94 Resp: 149569  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 94  | 100   |       |       |
| 96  | 96.0  | 65.6  | 121.8 |

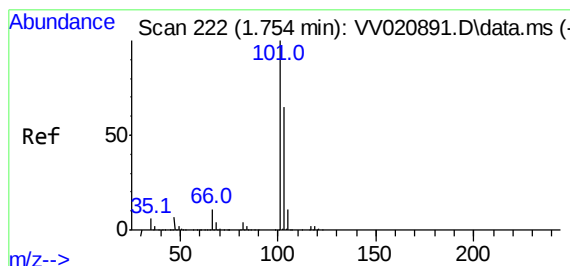
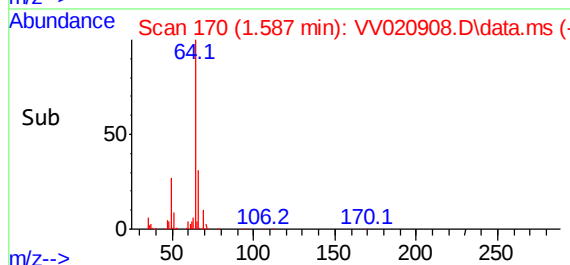
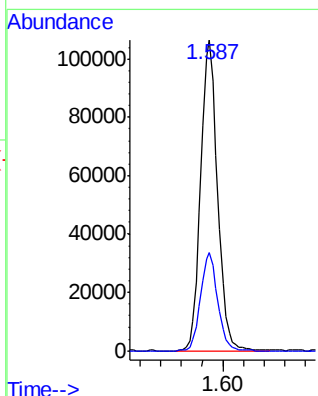
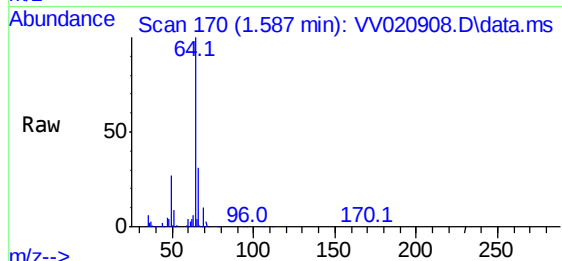




#8  
Chloroethane  
Concen: 43.50 ug/L  
RT: 1.587 min Scan# 170  
Delta R.T. -0.000 min  
Lab File: VV020908.D  
Acq: 05 Apr 2021 12:17

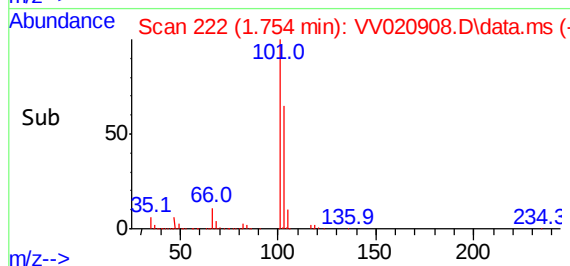
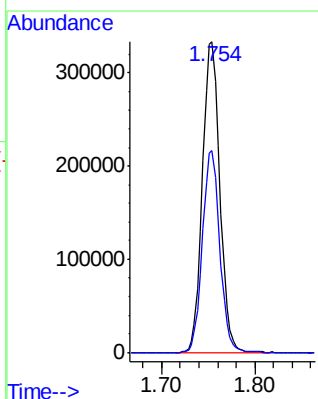
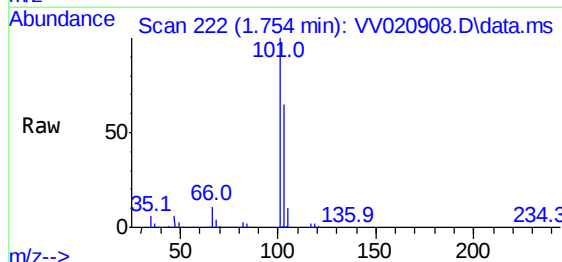
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD05073

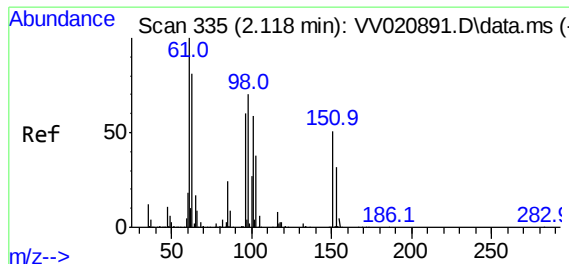
Tgt Ion: 64 Resp: 120321  
Ion Ratio Lower Upper  
64 100  
66 31.4 22.4 41.6



#9  
Trichlorofluoromethane  
Concen: 53.07 ug/L  
RT: 1.754 min Scan# 222  
Delta R.T. -0.000 min  
Lab File: VV020908.D  
Acq: 05 Apr 2021 12:17

Tgt Ion:101 Resp: 434361  
Ion Ratio Lower Upper  
101 100  
103 64.9 51.2 76.8



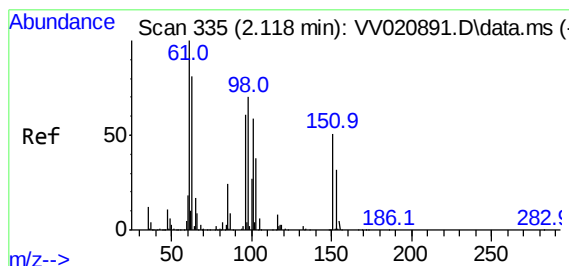
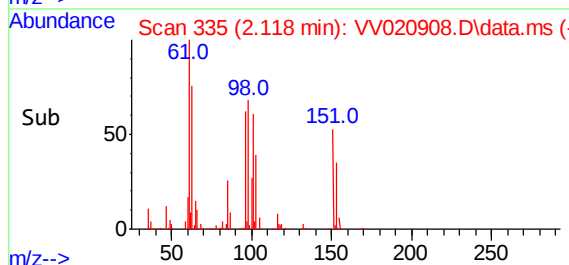
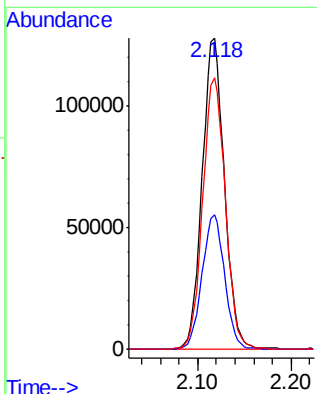
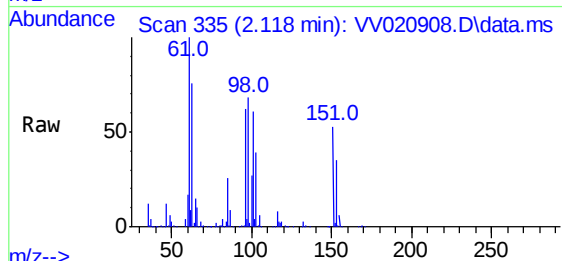


#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 53.89 ug/L  
 RT: 2.118 min Scan# 335  
 Delta R.T. -0.000 min  
 Lab File: VV020908.D  
 Acq: 05 Apr 2021 12:17

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD05073

Tgt Ion:101 Resp: 212025  

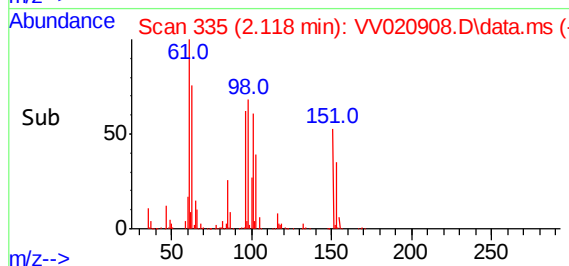
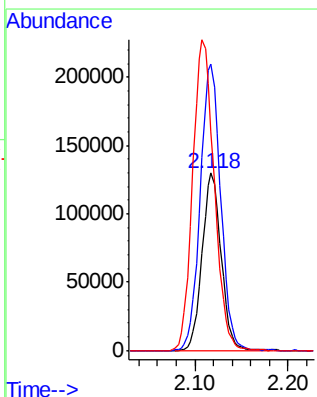
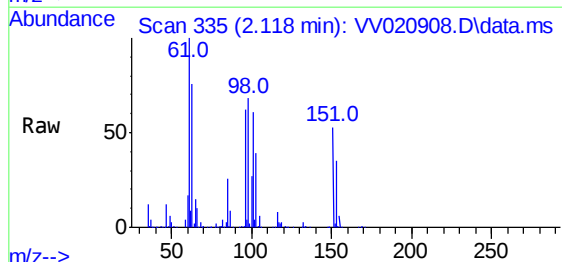
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 101 | 100   |       |       |
| 85  | 43.6  | 35.4  | 53.0  |
| 151 | 88.7  | 63.5  | 95.3  |

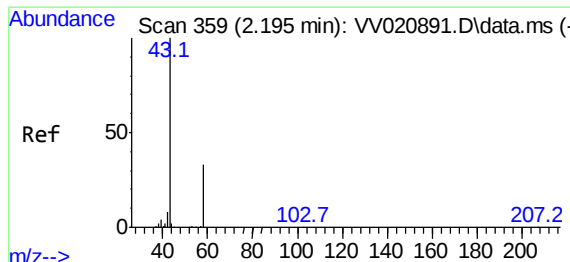


#12  
 1,1-Dichloroethene  
 Concen: 50.32 ug/L  
 RT: 2.118 min Scan# 335  
 Delta R.T. -0.000 min  
 Lab File: VV020908.D  
 Acq: 05 Apr 2021 12:17

Tgt Ion: 96 Resp: 184059  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 161.7 | 126.3 | 234.6 |
| 63  | 123.7 | 100.2 | 186.2 |

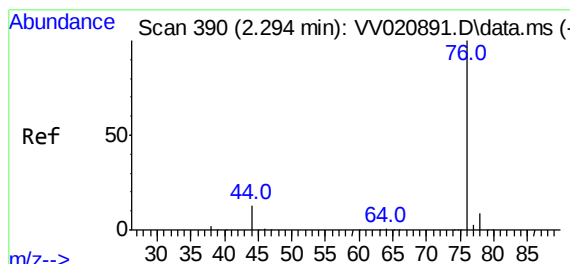
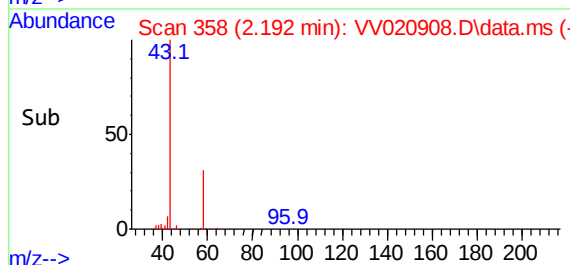
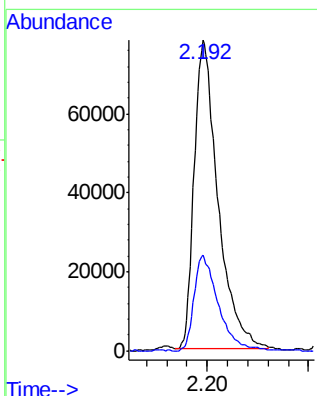
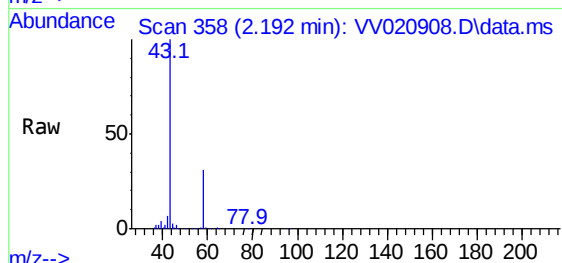




#13  
Acetone  
Concen: 123.47 ug/L  
RT: 2.192 min Scan# 358  
Delta R.T. -0.003 min  
Lab File: VV020908.D  
Acq: 05 Apr 2021 12:17

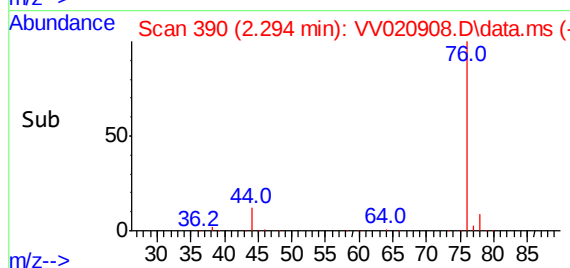
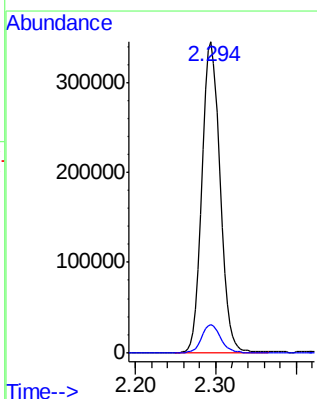
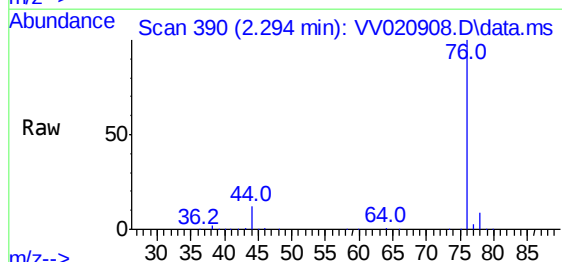
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD05073

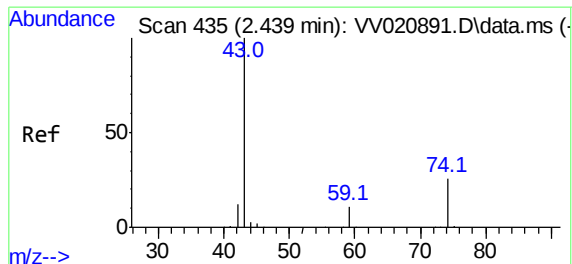
Tgt Ion: 43 Resp: 254888  
Ion Ratio Lower Upper  
43 100  
58 31.4 0.0 60.8



#14  
Carbon disulfide  
Concen: 42.84 ug/L  
RT: 2.294 min Scan# 390  
Delta R.T. -0.000 min  
Lab File: VV020908.D  
Acq: 05 Apr 2021 12:17

Tgt Ion: 76 Resp: 518102  
Ion Ratio Lower Upper  
76 100  
78 9.1 7.5 11.3

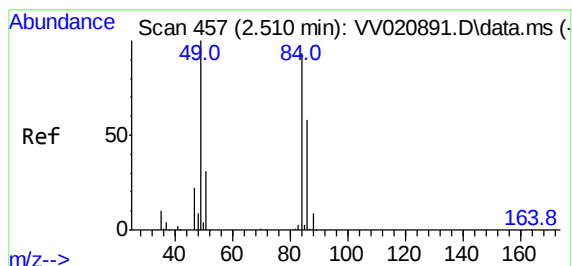
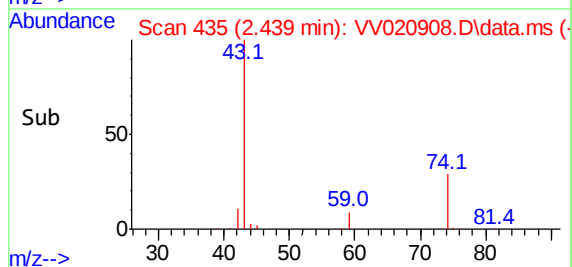
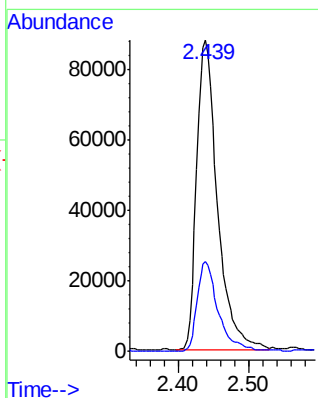
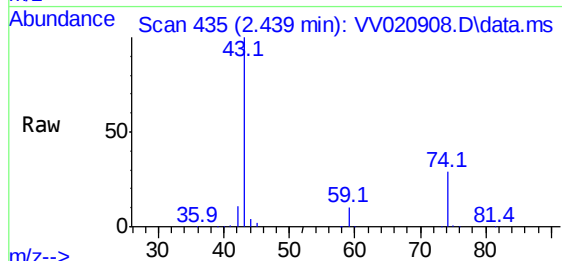




#15  
Methyl Acetate  
Concen: 41.80 ug/L  
RT: 2.439 min Scan# 435  
Delta R.T. -0.000 min  
Lab File: VV020908.D  
Acq: 05 Apr 2021 12:17

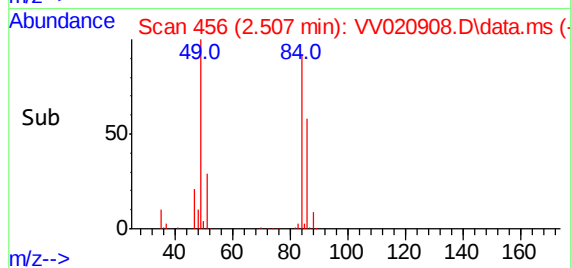
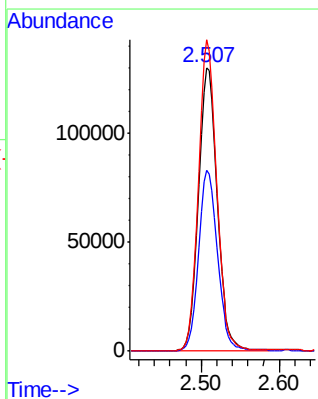
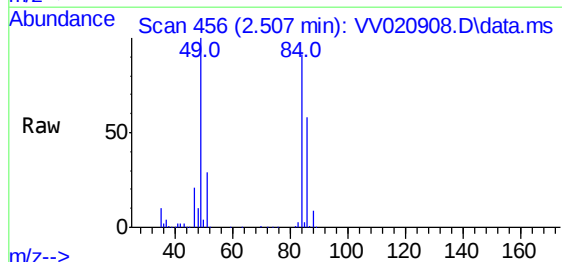
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD05073

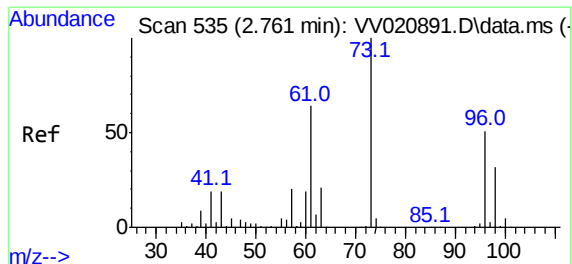
Tgt Ion: 43 Resp: 180137  
Ion Ratio Lower Upper  
43 100  
74 28.5 18.4 27.6#



#16  
Methylene chloride  
Concen: 48.05 ug/L  
RT: 2.507 min Scan# 456  
Delta R.T. -0.003 min  
Lab File: VV020908.D  
Acq: 05 Apr 2021 12:17

Tgt Ion: 84 Resp: 214341  
Ion Ratio Lower Upper  
84 100  
86 63.6 43.9 81.5  
49 110.0 86.3 160.3



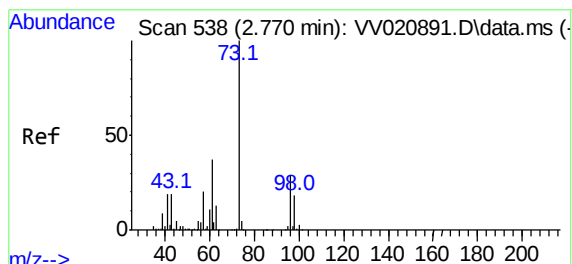
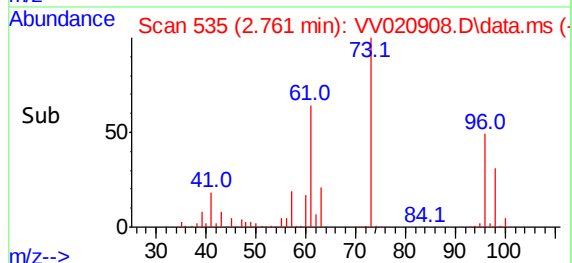
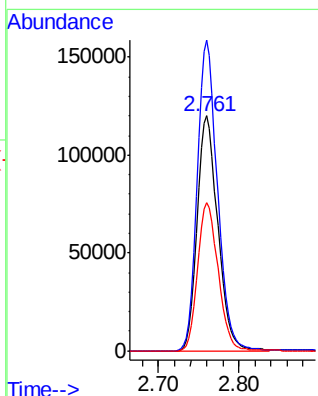
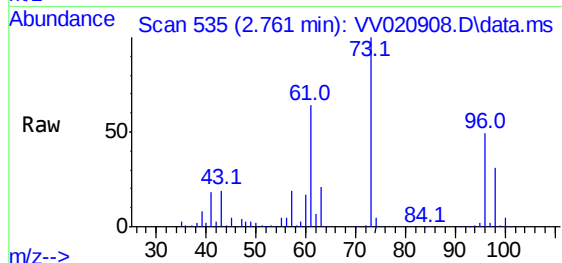


#17  
trans-1,2-Dichloroethene  
Concen: 49.85 ug/L  
RT: 2.761 min Scan# 535  
Delta R.T. -0.000 min  
Lab File: VV020908.D  
Acq: 05 Apr 2021 12:17

Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD05073

Tgt Ion: 96 Resp: 209086  

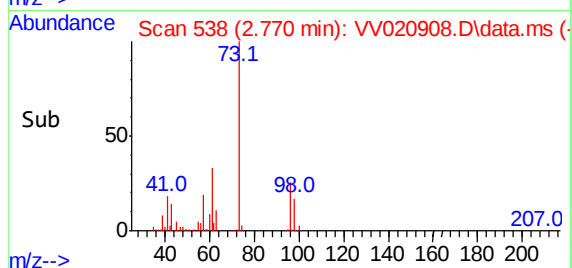
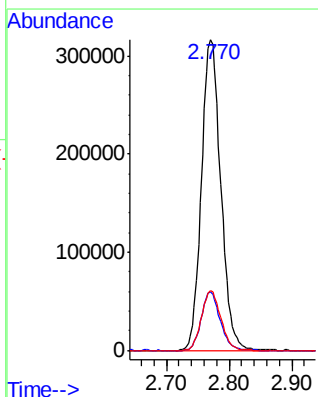
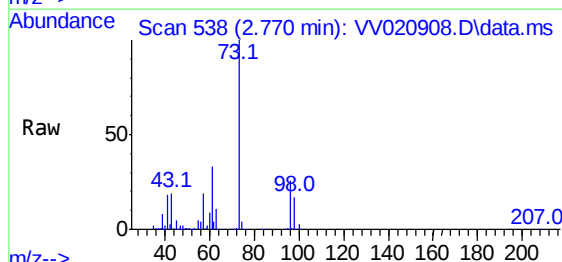
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 132.3 | 97.9  | 181.9 |
| 98  | 63.2  | 43.9  | 81.5  |

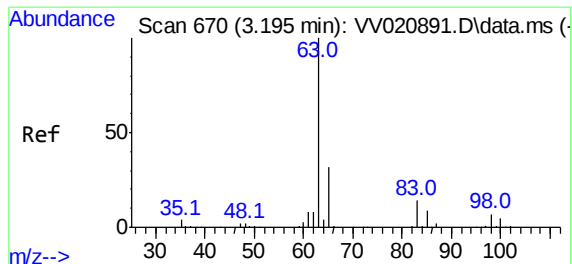


#18  
Methyl tert-butyl Ether  
Concen: 51.74 ug/L  
RT: 2.770 min Scan# 538  
Delta R.T. -0.000 min  
Lab File: VV020908.D  
Acq: 05 Apr 2021 12:17

Tgt Ion: 73 Resp: 672753  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 73  | 100   |       |       |
| 43  | 18.4  | 15.4  | 23.0  |
| 57  | 19.3  | 17.0  | 25.6  |

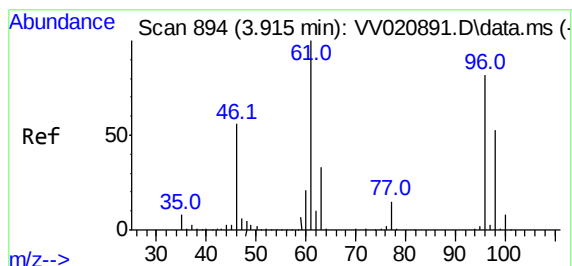
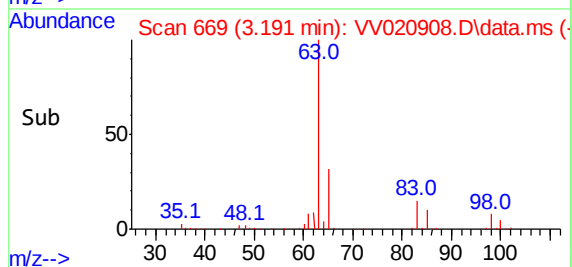
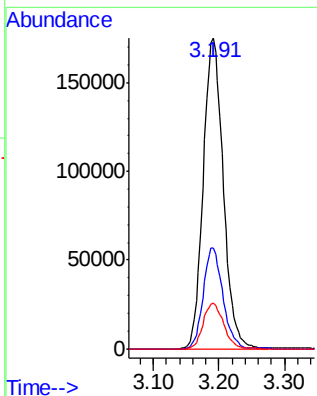
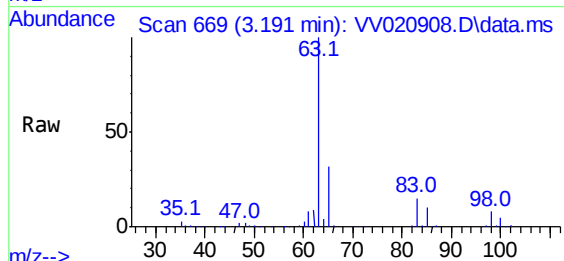




#19  
1,1-Dichloroethane  
Concen: 47.38 ug/L  
RT: 3.191 min Scan# 669  
Delta R.T. -0.003 min  
Lab File: VV020908.D  
Acq: 05 Apr 2021 12:17

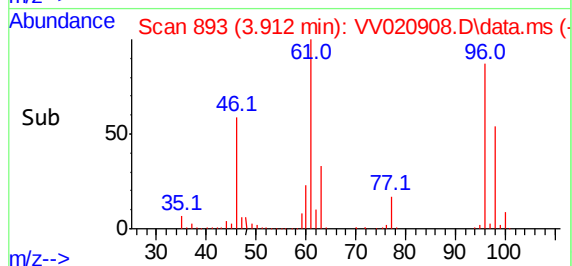
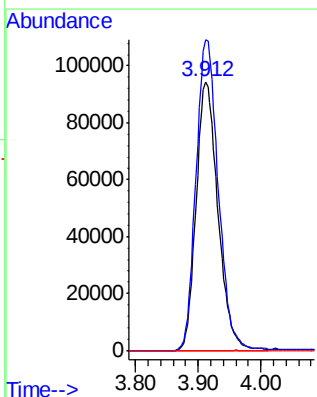
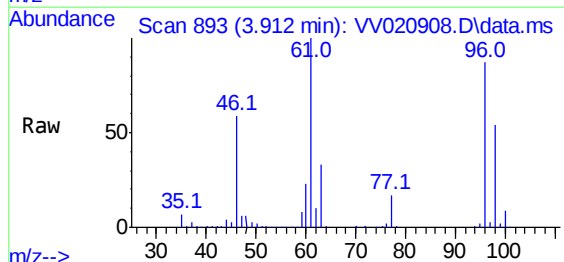
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD05073

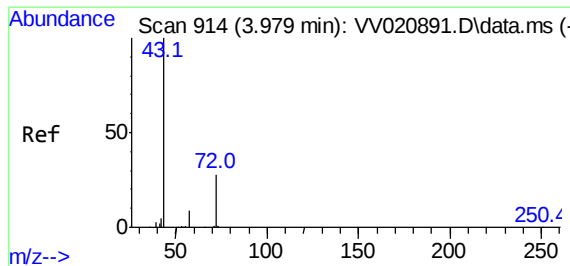
Tgt Ion: 63 Resp: 369198  
Ion Ratio Lower Upper  
63 100  
65 32.3 22.5 41.9  
83 14.6 9.7 17.9



#20  
cis-1,2-Dichloroethene  
Concen: 50.62 ug/L  
RT: 3.912 min Scan# 893  
Delta R.T. -0.003 min  
Lab File: VV020908.D  
Acq: 05 Apr 2021 12:17

Tgt Ion: 96 Resp: 227151  
Ion Ratio Lower Upper  
96 100  
61 115.5 89.9 167.0  
68 0.0 0.0 0.0

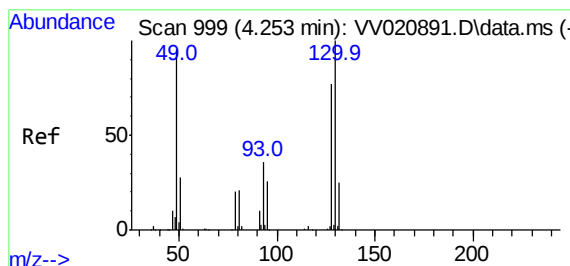
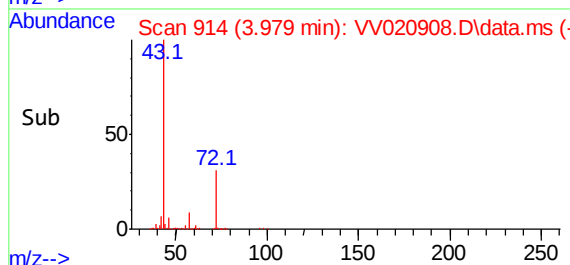
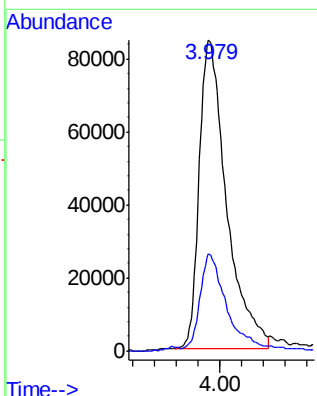
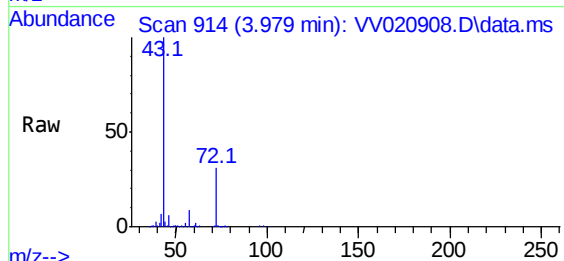




#22  
2-Butanone  
Concen: 97.47 ug/L  
RT: 3.979 min Scan# 914  
Delta R.T. -0.000 min  
Lab File: VV020908.D  
Acq: 05 Apr 2021 12:17

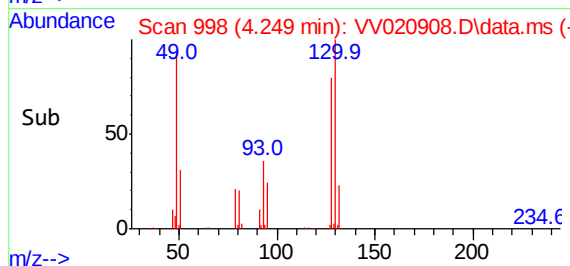
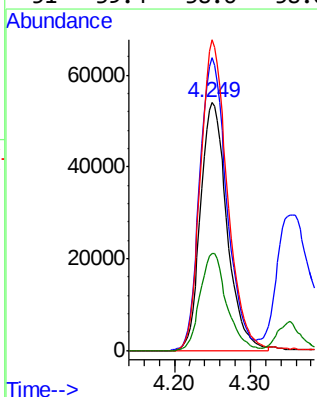
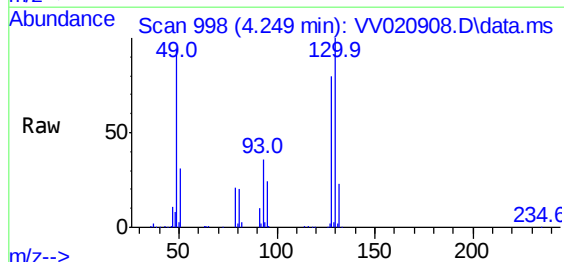
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD05073

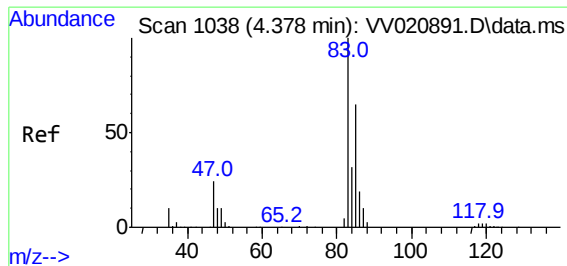
Tgt Ion: 43 Resp: 294506  
Ion Ratio Lower Upper  
43 100  
72 29.2 11.9 35.9



#23  
Bromochloromethane  
Concen: 53.82 ug/L  
RT: 4.249 min Scan# 998  
Delta R.T. -0.003 min  
Lab File: VV020908.D  
Acq: 05 Apr 2021 12:17

Tgt Ion:128 Resp: 130000  
Ion Ratio Lower Upper  
128 100  
49 118.1 113.3 210.3  
130 125.3 88.7 164.7  
51 39.4 38.6 58.0

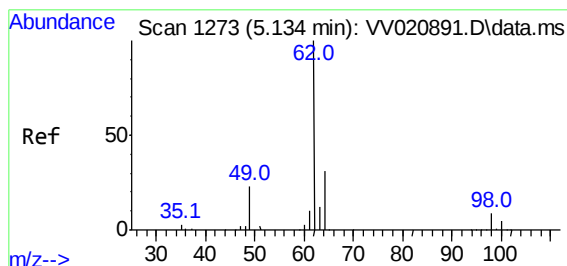
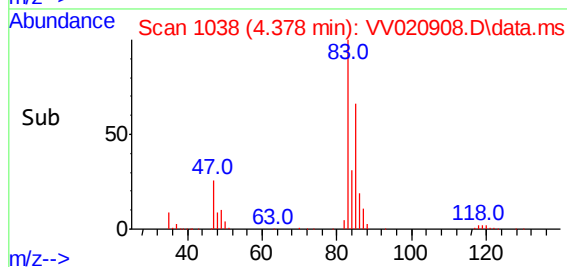
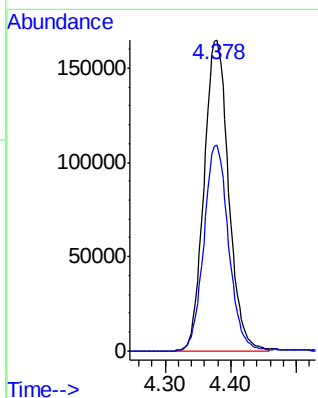
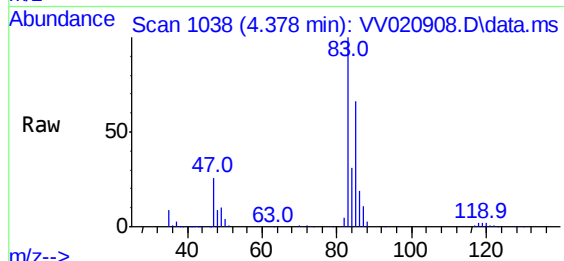




#25  
Chloroform  
Concen: 51.50 ug/L  
RT: 4.378 min Scan# 1038  
Delta R.T. -0.000 min  
Lab File: VV020908.D  
Acq: 05 Apr 2021 12:17

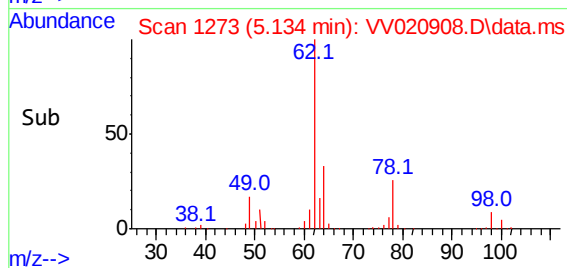
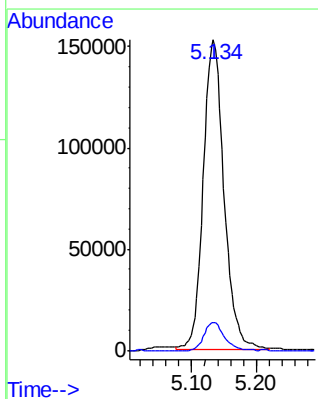
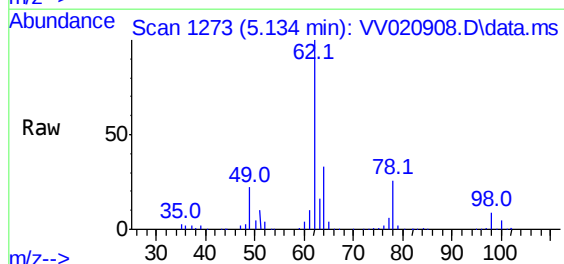
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD05073

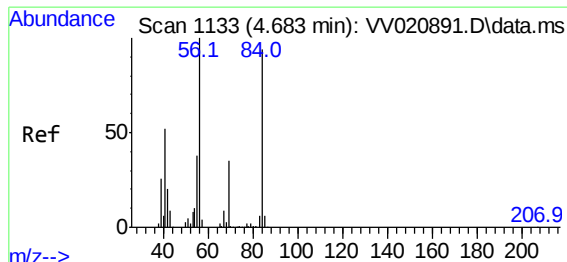
Tgt Ion: 83 Resp: 426838  
Ion Ratio Lower Upper  
83 100  
85 66.2 46.7 86.7



#27  
1,2-Dichloroethane  
Concen: 51.91 ug/L  
RT: 5.134 min Scan# 1273  
Delta R.T. -0.000 min  
Lab File: VV020908.D  
Acq: 05 Apr 2021 12:17

Tgt Ion: 62 Resp: 343699  
Ion Ratio Lower Upper  
62 100  
98 9.1 6.8 10.2





#29

Cyclohexane

Concen: 44.42 ug/L

RT: 4.680 min Scan# 1132

Delta R.T. -0.003 min

Lab File: VV020908.D

Acq: 05 Apr 2021 12:17

Instrument :

MSVOA\_V

ClientSampleId :

VSTD05073

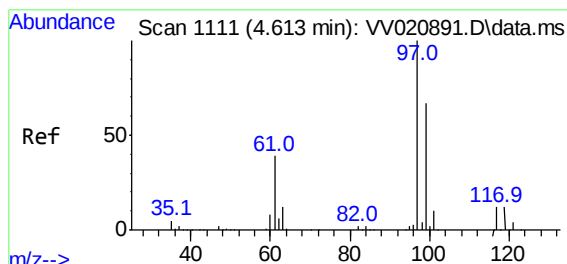
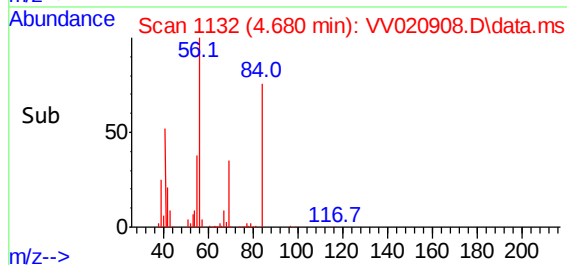
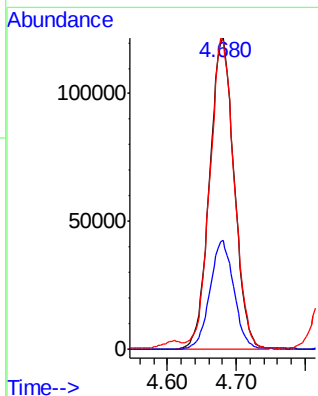
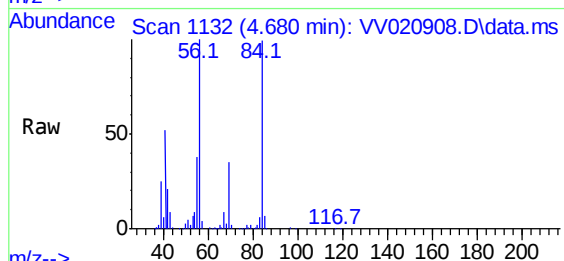
Tgt Ion: 56 Resp: 300578

Ion Ratio Lower Upper

56 100

69 33.8 24.4 36.6

84 98.5 69.9 104.9



#30

1,1,1-Trichloroethane

Concen: 56.59 ug/L

RT: 4.609 min Scan# 1110

Delta R.T. -0.003 min

Lab File: VV020908.D

Acq: 05 Apr 2021 12:17

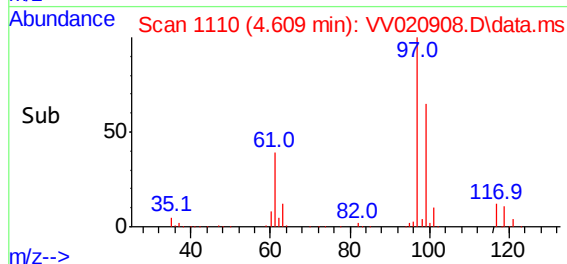
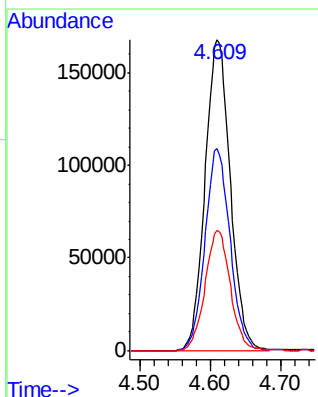
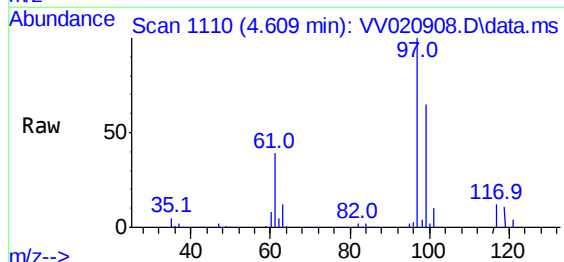
Tgt Ion: 97 Resp: 418705

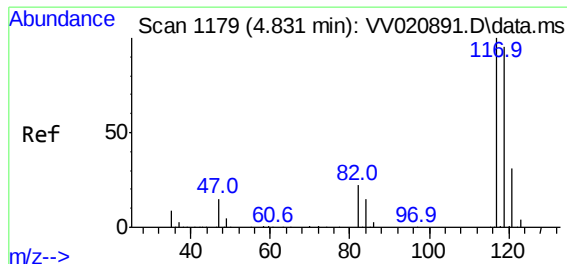
Ion Ratio Lower Upper

97 100

99 64.5 51.4 77.2

61 38.6 33.9 50.9

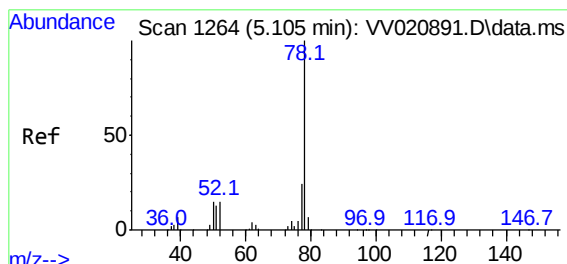
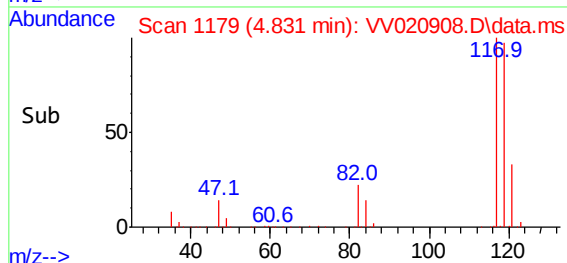
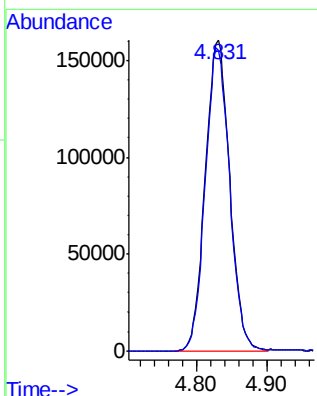
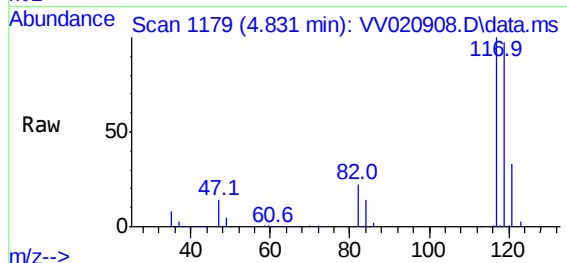




#31  
Carbon tetrachloride  
Concen: 58.48 ug/L  
RT: 4.831 min Scan# 1179  
Delta R.T. -0.000 min  
Lab File: VV020908.D  
Acq: 05 Apr 2021 12:17

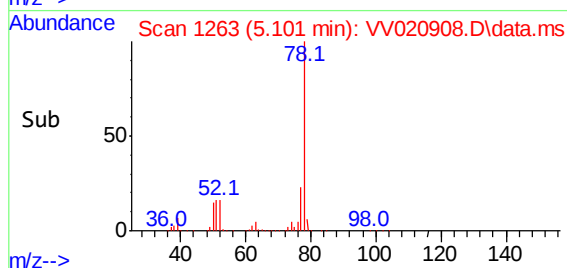
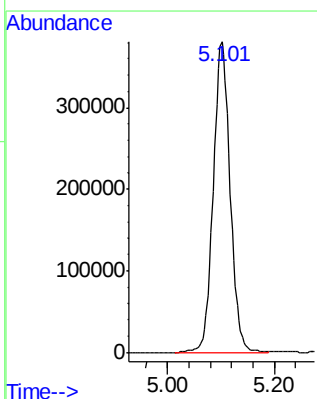
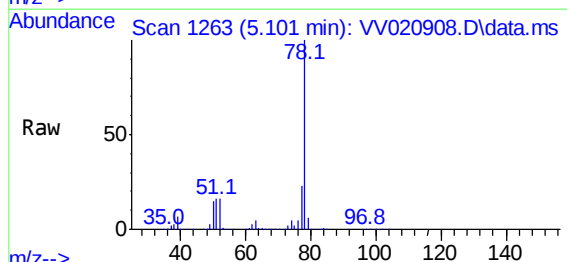
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD05073

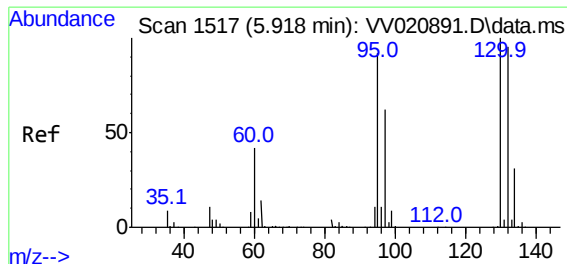
Tgt Ion:117 Resp: 386474  
Ion Ratio Lower Upper  
117 100  
119 97.0 76.9 115.3



#33  
Benzene  
Concen: 50.06 ug/L  
RT: 5.101 min Scan# 1263  
Delta R.T. -0.003 min  
Lab File: VV020908.D  
Acq: 05 Apr 2021 12:17

Tgt Ion: 78 Resp: 826096

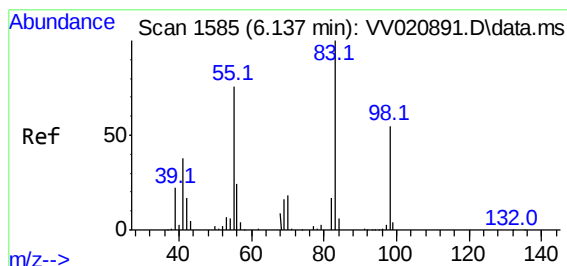
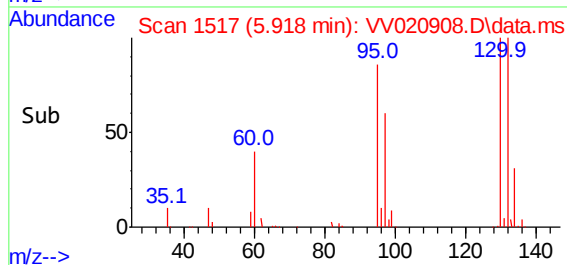
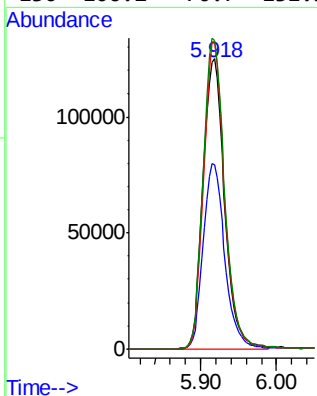
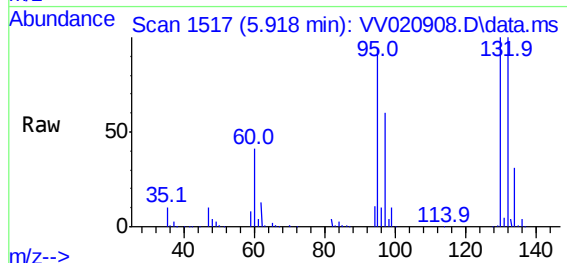




#34  
Trichloroethene  
Concen: 53.84 ug/L  
RT: 5.918 min Scan# 1517  
Delta R.T. -0.000 min  
Lab File: VV020908.D  
Acq: 05 Apr 2021 12:17

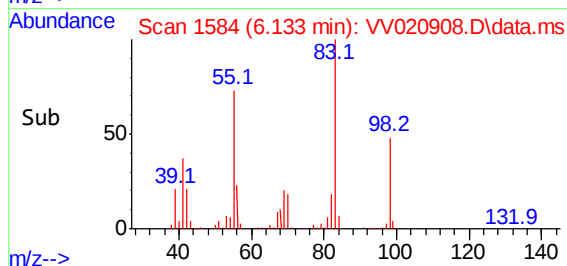
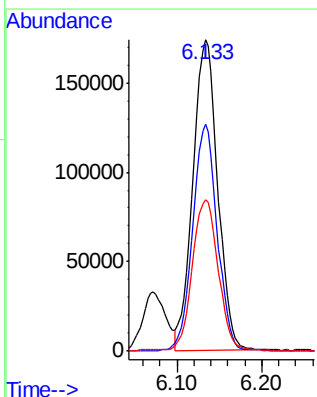
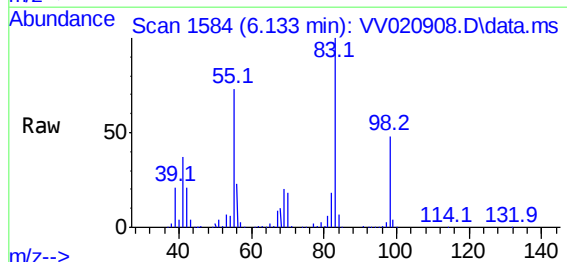
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD05073

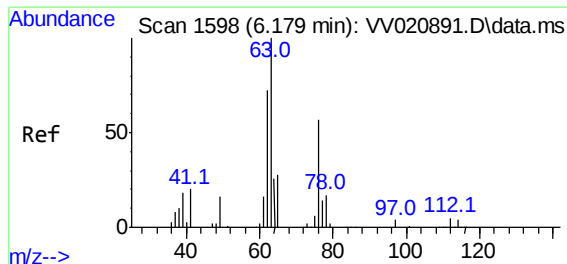
Tgt Ion: 95 Resp: 243516  
Ion Ratio Lower Upper  
95 100  
97 63.5 43.5 80.9  
132 106.1 69.5 129.1  
130 106.2 70.7 131.3



#35  
Methylcyclohexane  
Concen: 50.78 ug/L  
RT: 6.133 min Scan# 1584  
Delta R.T. -0.003 min  
Lab File: VV020908.D  
Acq: 05 Apr 2021 12:17

Tgt Ion: 83 Resp: 352399  
Ion Ratio Lower Upper  
83 100  
55 71.6 62.7 94.1  
98 50.2 38.9 58.3

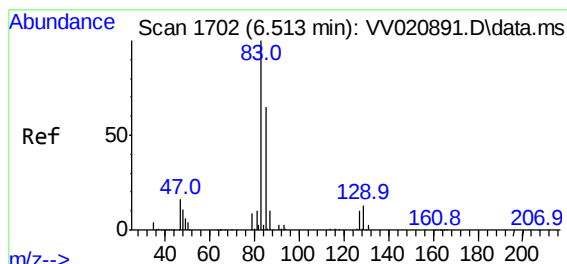
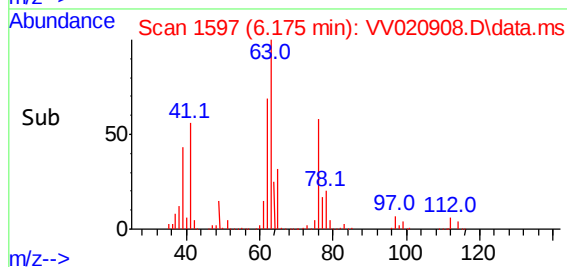
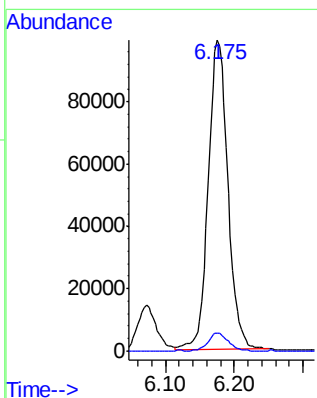
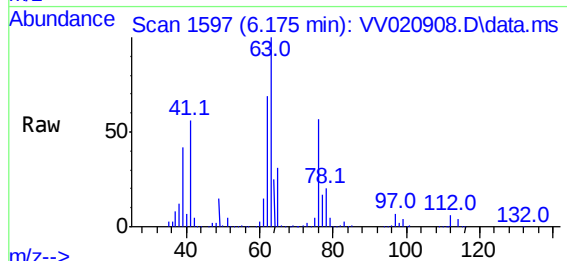




#37  
1,2-Dichloropropane  
Concen: 45.39 ug/L  
RT: 6.175 min Scan# 1597  
Delta R.T. -0.003 min  
Lab File: VV020908.D  
Acq: 05 Apr 2021 12:17

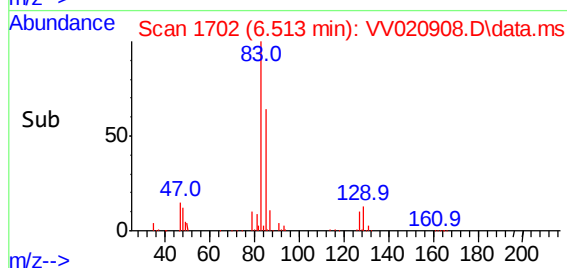
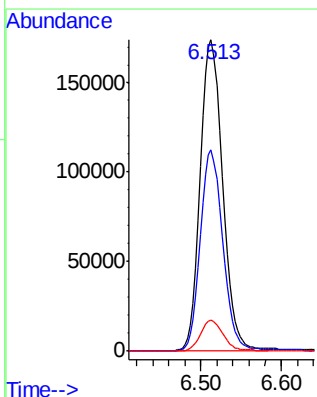
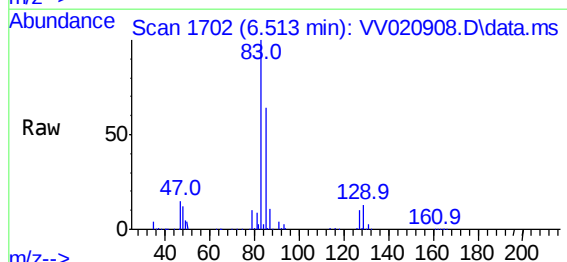
Instrument :  
MSVOA\_V  
ClientSampled :  
VSTD05073

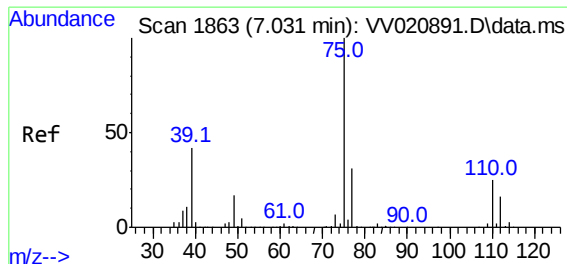
Tgt Ion: 63 Resp: 196418  
Ion Ratio Lower Upper  
63 100  
112 5.8 3.7 5.5#



#38  
Bromodichloromethane  
Concen: 53.58 ug/L  
RT: 6.513 min Scan# 1702  
Delta R.T. -0.000 min  
Lab File: VV020908.D  
Acq: 05 Apr 2021 12:17

Tgt Ion: 83 Resp: 325606  
Ion Ratio Lower Upper  
83 100  
85 64.4 44.5 82.7  
127 9.9 6.8 10.2

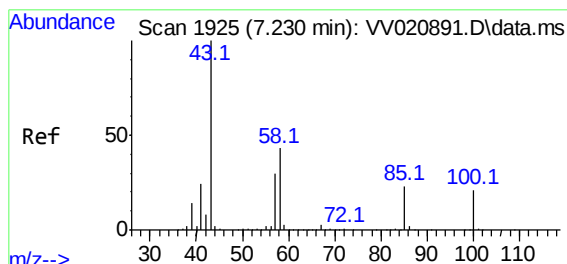
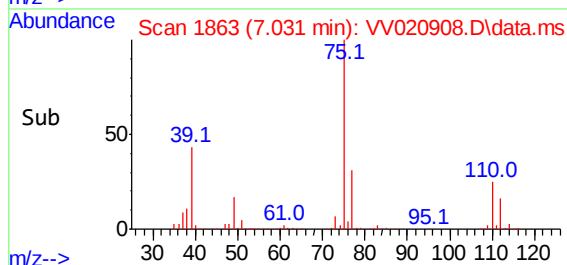
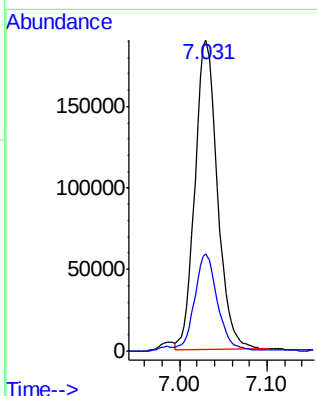
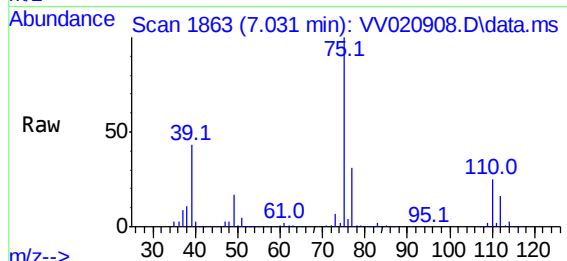




#39  
cis-1,3-Dichloropropene  
Concen: 50.78 ug/L  
RT: 7.031 min Scan# 1863  
Delta R.T. -0.000 min  
Lab File: VV020908.D  
Acq: 05 Apr 2021 12:17

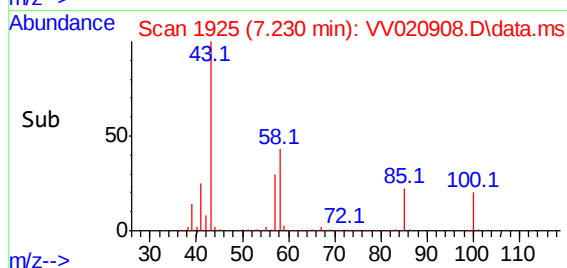
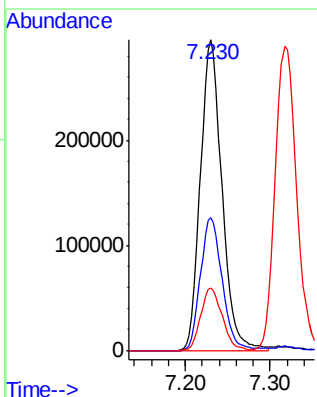
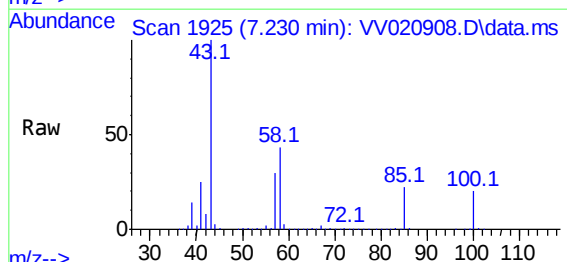
Instrument :  
MSVOA\_V  
ClientSampled :  
VSTD05073

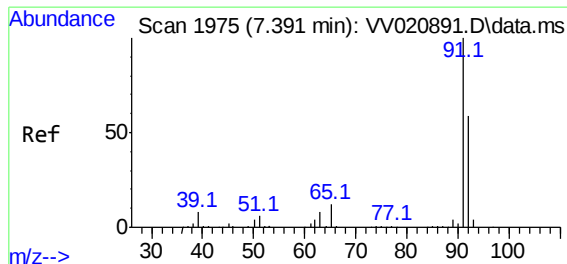
Tgt Ion: 75 Resp: 339227  
Ion Ratio Lower Upper  
75 100  
77 31.1 21.7 40.3



#40  
4-Methyl-2-pentanone  
Concen: 89.56 ug/L  
RT: 7.230 min Scan# 1925  
Delta R.T. -0.000 min  
Lab File: VV020908.D  
Acq: 05 Apr 2021 12:17

Tgt Ion: 43 Resp: 519697  
Ion Ratio Lower Upper  
43 100  
58 43.0 32.3 48.5  
100 20.0 13.0 19.4#

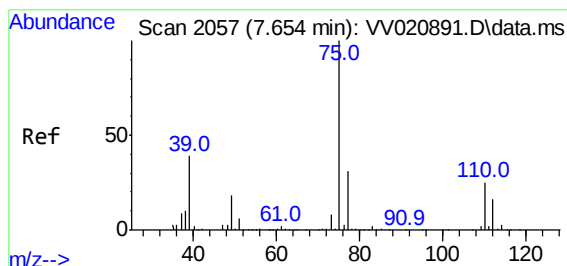
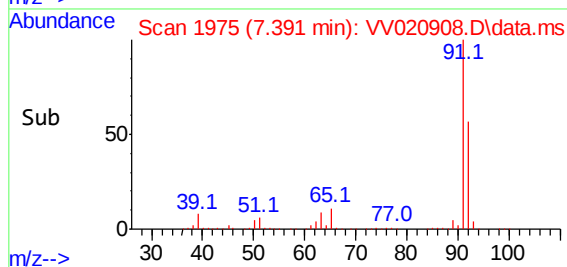
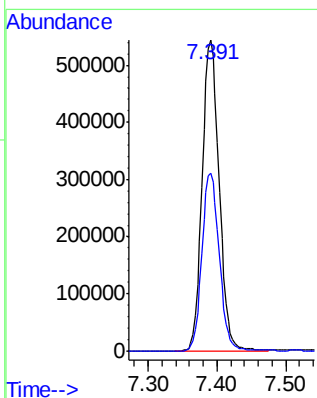
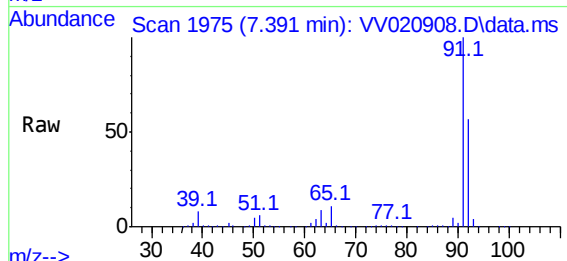




#42  
Toluene  
Concen: 51.85 ug/L  
RT: 7.391 min Scan# 1975  
Delta R.T. -0.000 min  
Lab File: VV020908.D  
Acq: 05 Apr 2021 12:17

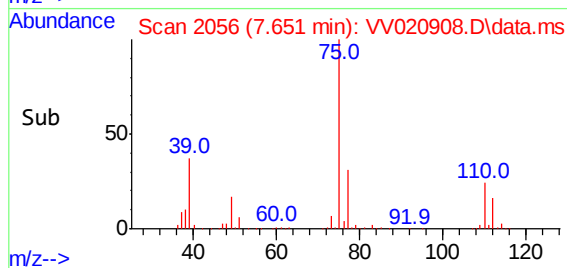
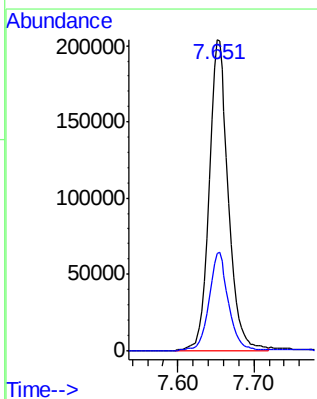
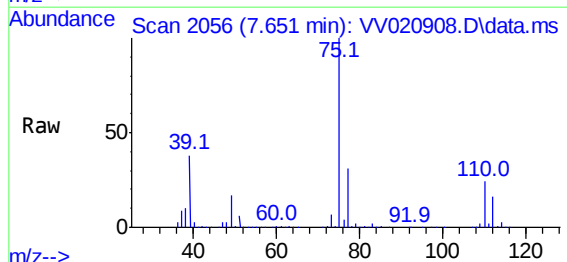
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD05073

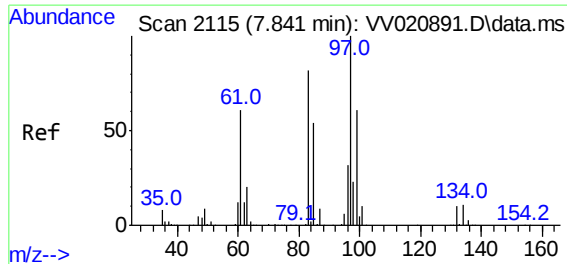
Tgt Ion: 91 Resp: 930001  
Ion Ratio Lower Upper  
91 100  
92 57.3 39.9 74.1



#44  
trans-1,3-Dichloropropene  
Concen: 52.73 ug/L  
RT: 7.651 min Scan# 2056  
Delta R.T. -0.003 min  
Lab File: VV020908.D  
Acq: 05 Apr 2021 12:17

Tgt Ion: 75 Resp: 354680  
Ion Ratio Lower Upper  
75 100  
77 31.3 21.6 40.0



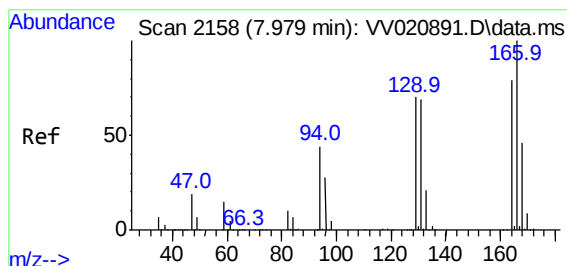
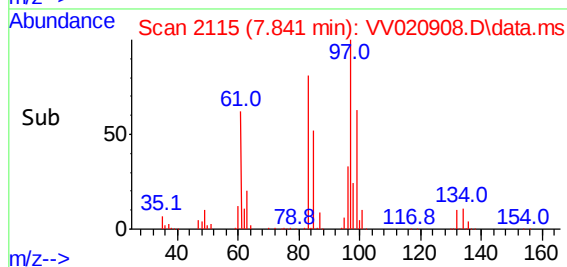
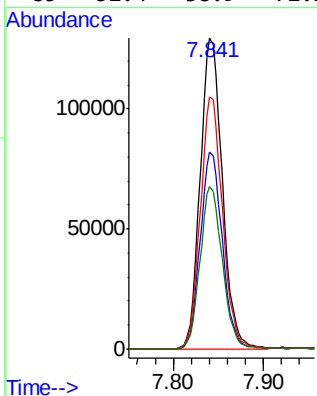
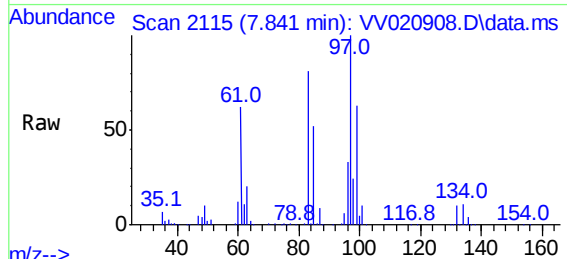


#45  
1,1,2-Trichloroethane  
Concen: 51.55 ug/L  
RT: 7.841 min Scan# 2115  
Delta R.T. -0.000 min  
Lab File: VV020908.D  
Acq: 05 Apr 2021 12:17

Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD05073

Tgt Ion: 97 Resp: 219425

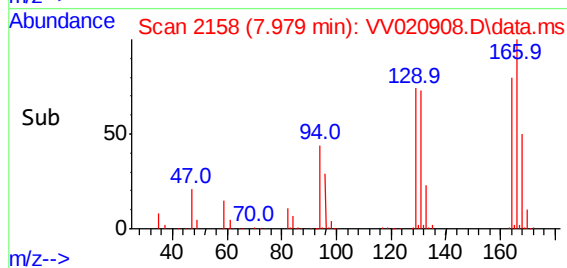
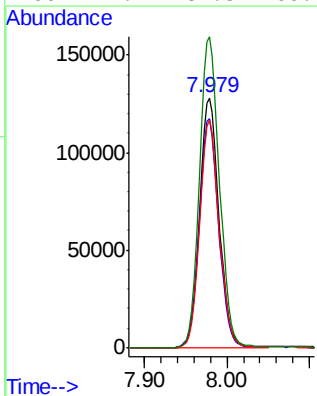
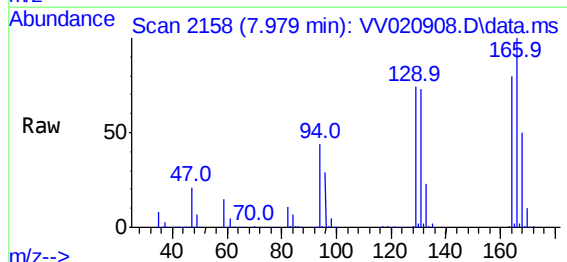
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 99  | 63.2  | 44.1  | 81.9  |
| 83  | 81.1  | 60.7  | 112.7 |
| 85  | 52.4  | 38.9  | 72.2  |

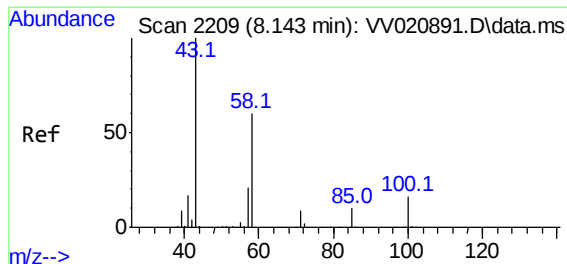


#46  
Tetrachloroethene  
Concen: 55.89 ug/L  
RT: 7.979 min Scan# 2158  
Delta R.T. -0.000 min  
Lab File: VV020908.D  
Acq: 05 Apr 2021 12:17

Tgt Ion: 164 Resp: 211016

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 129 | 91.6  | 64.3  | 119.5 |
| 131 | 91.2  | 63.5  | 117.9 |
| 166 | 124.4 | 89.8  | 166.8 |

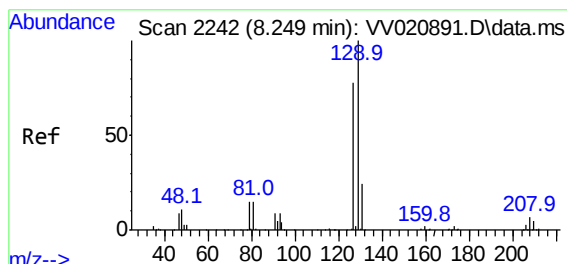
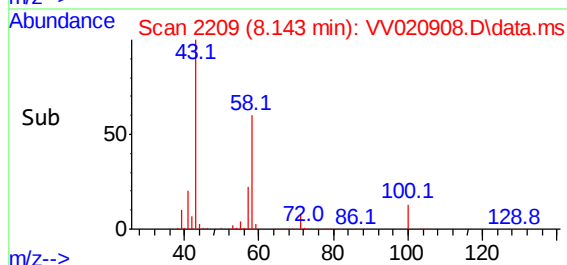
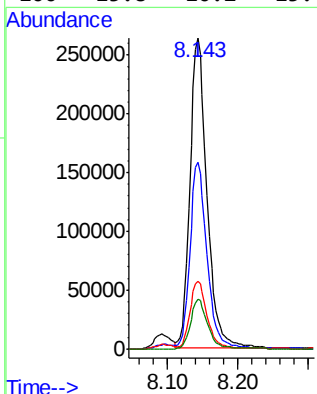
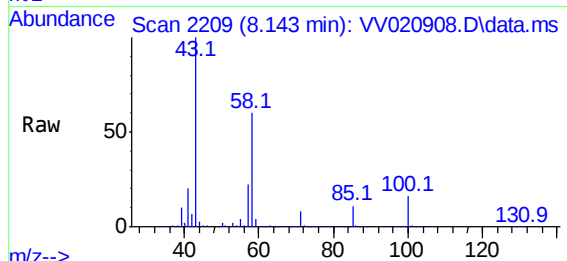




#48  
2-Hexanone  
Concen: 99.90 ug/L  
RT: 8.143 min Scan# 2209  
Delta R.T. -0.000 min  
Lab File: VV020908.D  
Acq: 05 Apr 2021 12:17

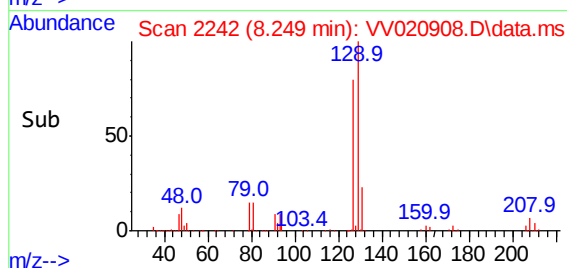
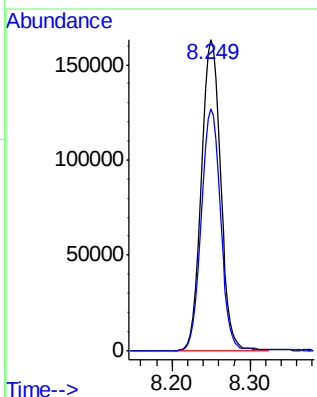
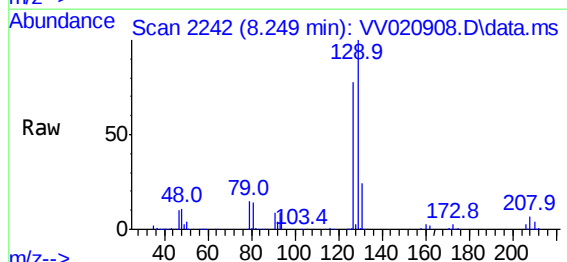
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD05073

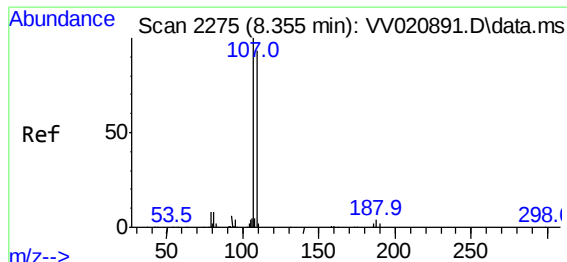
Tgt Ion: 43 Resp: 442544  
Ion Ratio Lower Upper  
43 100  
58 59.7 45.8 68.8  
57 22.3 15.4 23.2  
100 15.8 10.2 15.4#



#49  
Dibromochloromethane  
Concen: 56.35 ug/L  
RT: 8.249 min Scan# 2242  
Delta R.T. -0.000 min  
Lab File: VV020908.D  
Acq: 05 Apr 2021 12:17

Tgt Ion: 129 Resp: 279440  
Ion Ratio Lower Upper  
129 100  
127 77.8 54.6 101.4

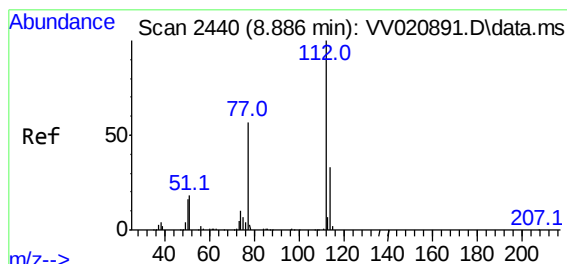
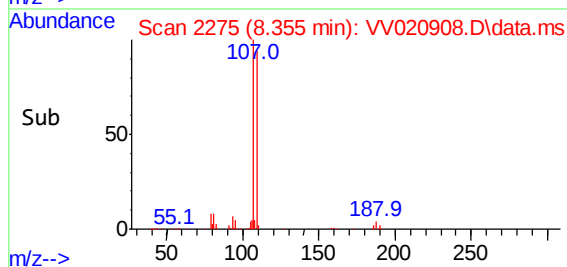
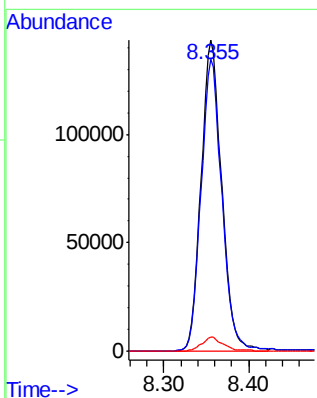
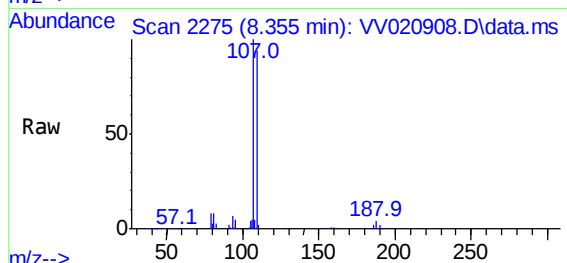




#50  
1,2-Dibromoethane  
Concen: 52.82 ug/L  
RT: 8.355 min Scan# 2275  
Delta R.T. -0.000 min  
Lab File: VV020908.D  
Acq: 05 Apr 2021 12:17

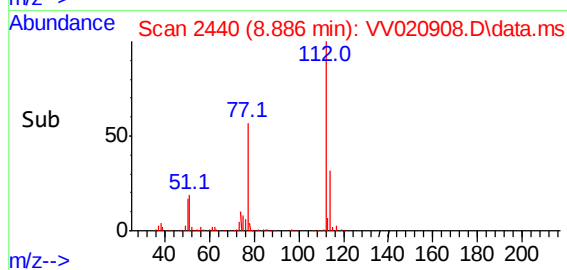
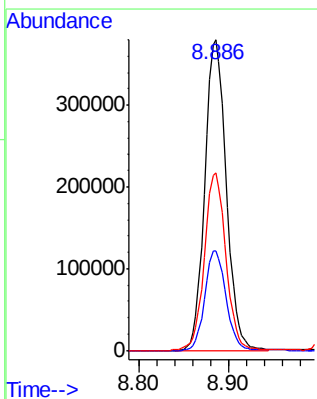
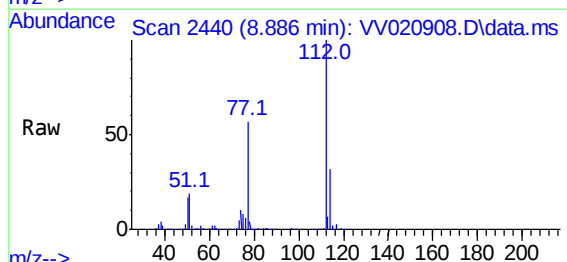
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD05073

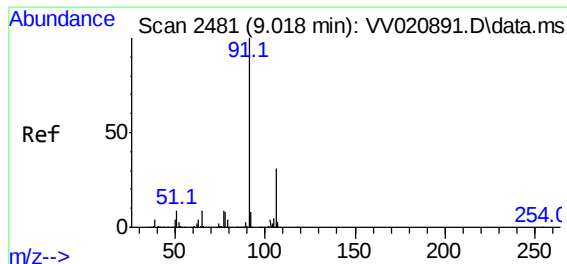
Tgt Ion:107 Resp: 240812  
Ion Ratio Lower Upper  
107 100  
109 94.0 66.7 123.9  
188 4.4 3.0 4.4



#51  
Chlorobenzene  
Concen: 51.71 ug/L  
RT: 8.886 min Scan# 2440  
Delta R.T. -0.000 min  
Lab File: VV020908.D  
Acq: 05 Apr 2021 12:17

Tgt Ion:112 Resp: 622513  
Ion Ratio Lower Upper  
112 100  
114 32.2 22.4 41.6  
77 57.2 46.7 70.1

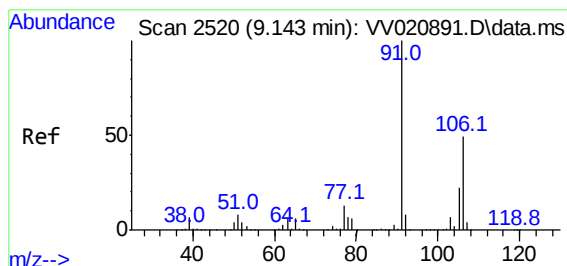
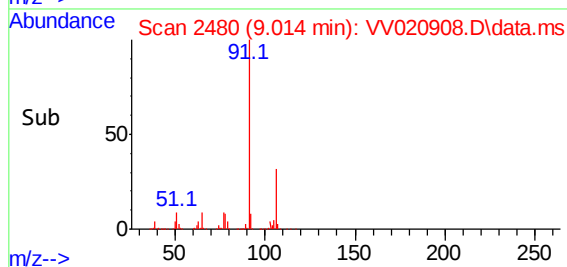
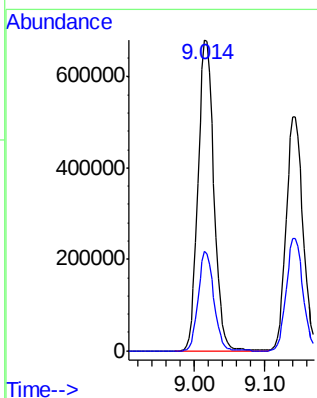
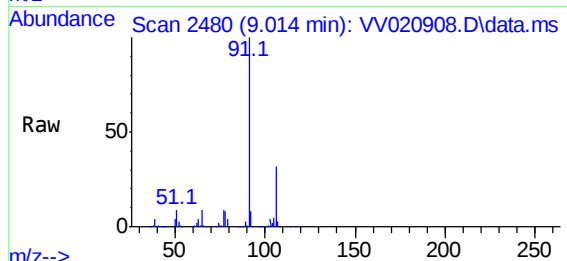




#52  
Ethylbenzene  
Concen: 51.60 ug/L  
RT: 9.014 min Scan# 2480  
Delta R.T. -0.003 min  
Lab File: VV020908.D  
Acq: 05 Apr 2021 12:17

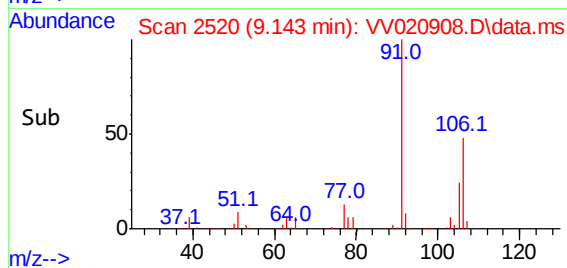
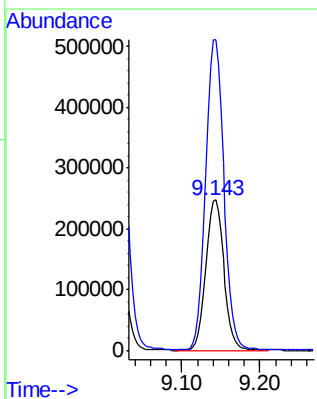
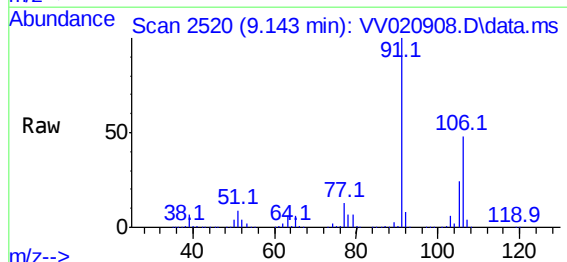
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD05073

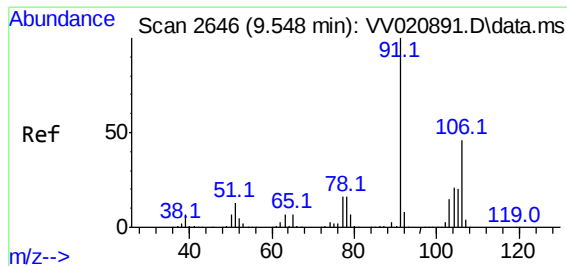
Tgt Ion: 91 Resp: 1056219  
Ion Ratio Lower Upper  
91 100  
106 31.9 21.4 39.8



#53  
m,p-Xylene  
Concen: 53.32 ug/L  
RT: 9.143 min Scan# 2520  
Delta R.T. -0.000 min  
Lab File: VV020908.D  
Acq: 05 Apr 2021 12:17

Tgt Ion: 106 Resp: 405927  
Ion Ratio Lower Upper  
106 100  
91 207.0 145.7 270.7

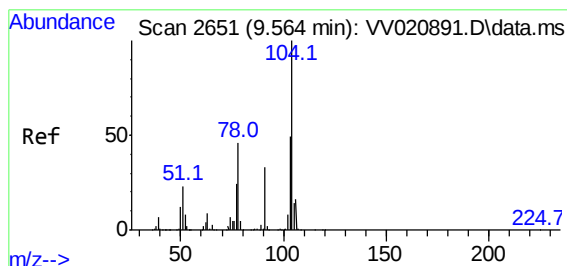
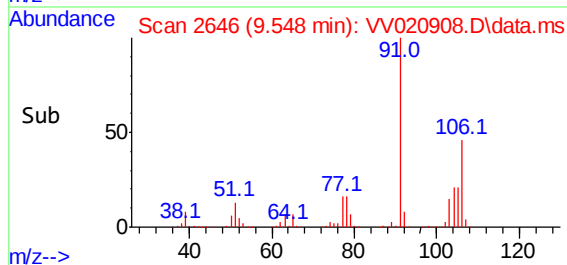
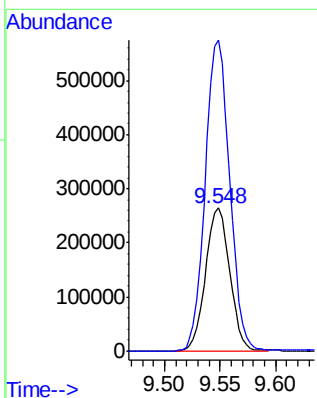
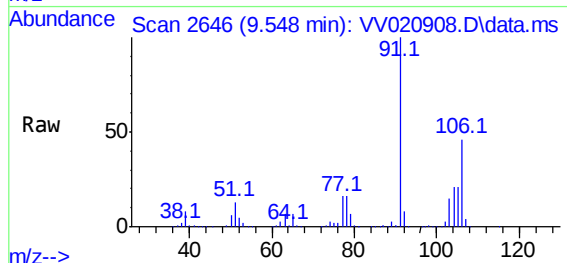




#54  
o-xylene  
Concen: 54.58 ug/L  
RT: 9.548 min Scan# 2646  
Delta R.T. -0.000 min  
Lab File: VV020908.D  
Acq: 05 Apr 2021 12:17

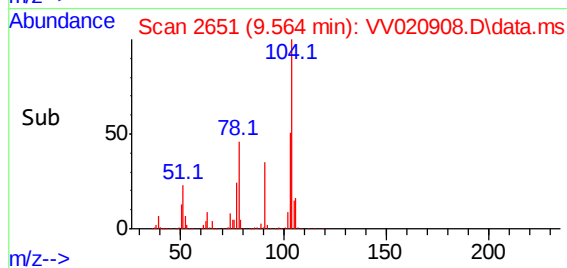
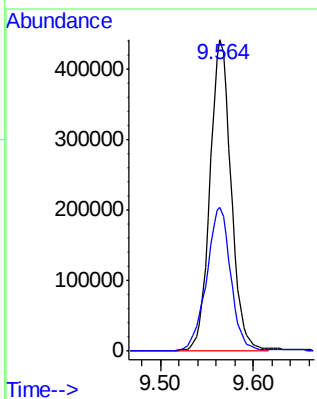
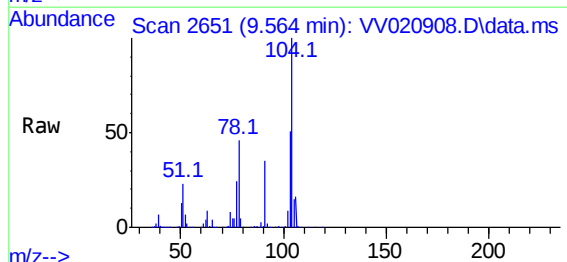
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD05073

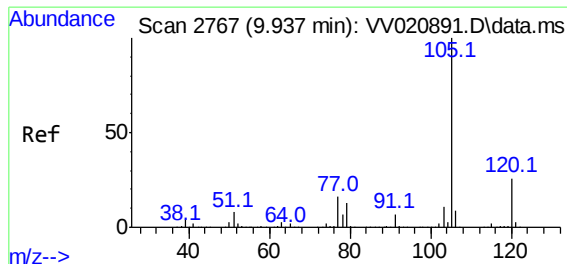
Tgt Ion:106 Resp: 400504  
Ion Ratio Lower Upper  
106 100  
91 218.1 157.8 293.1



#55  
Styrene  
Concen: 53.84 ug/L  
RT: 9.564 min Scan# 2651  
Delta R.T. -0.000 min  
Lab File: VV020908.D  
Acq: 05 Apr 2021 12:17

Tgt Ion:104 Resp: 694164  
Ion Ratio Lower Upper  
104 100  
78 46.2 33.6 62.4

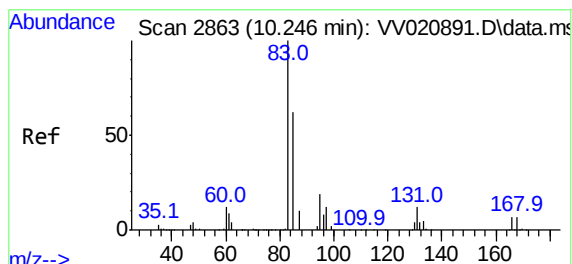
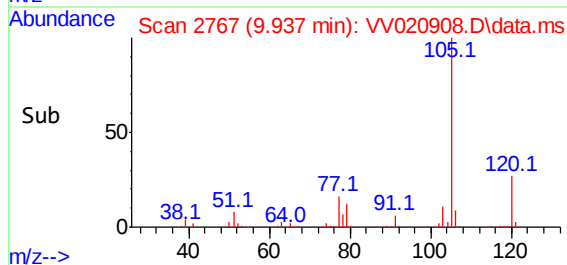
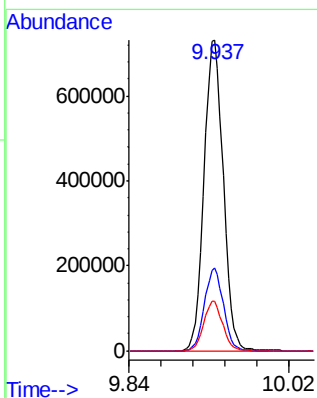
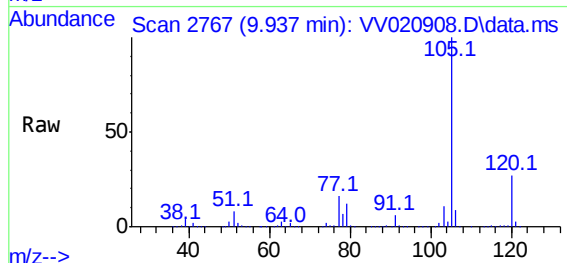




#56  
Isopropylbenzene  
Concen: 55.11 ug/L  
RT: 9.937 min Scan# 2767  
Delta R.T. -0.000 min  
Lab File: VV020908.D  
Acq: 05 Apr 2021 12:17

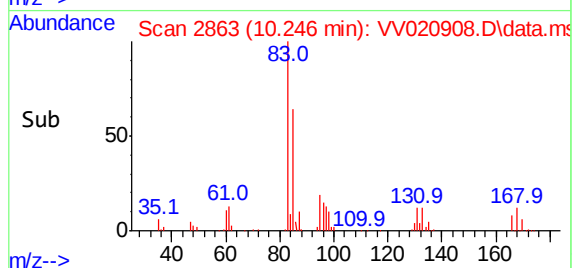
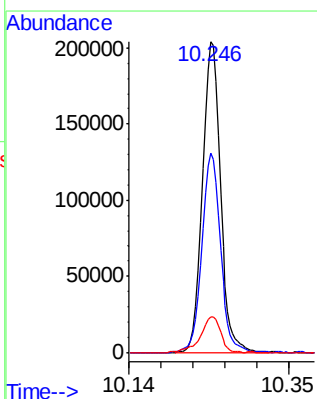
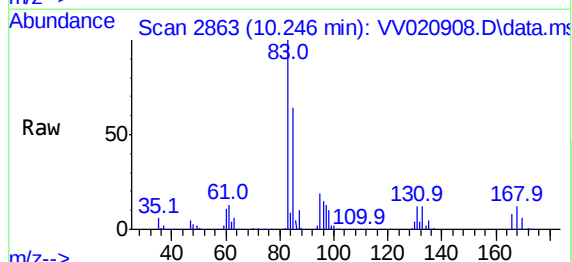
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD05073

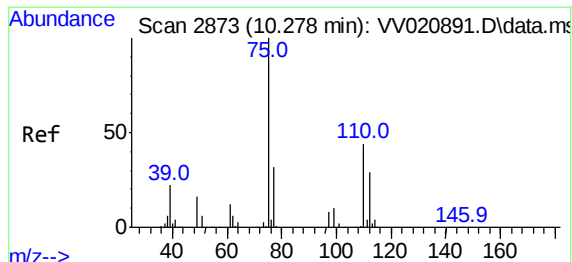
Tgt Ion:105 Resp: 1113563  
Ion Ratio Lower Upper  
105 100  
120 26.3 20.8 31.2  
77 15.6 12.9 19.3



#58  
1,1,2,2-Tetrachloroethane  
Concen: 47.20 ug/L  
RT: 10.246 min Scan# 2863  
Delta R.T. -0.000 min  
Lab File: VV020908.D  
Acq: 05 Apr 2021 12:17

Tgt Ion: 83 Resp: 327757  
Ion Ratio Lower Upper  
83 100  
85 64.3 44.7 83.1  
131 11.6 8.6 12.8

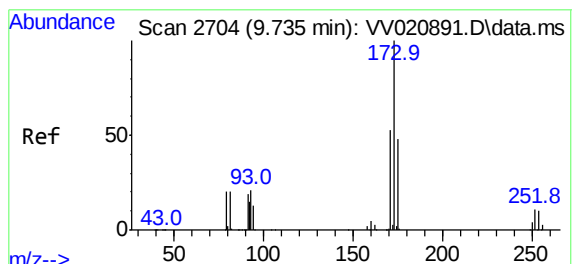
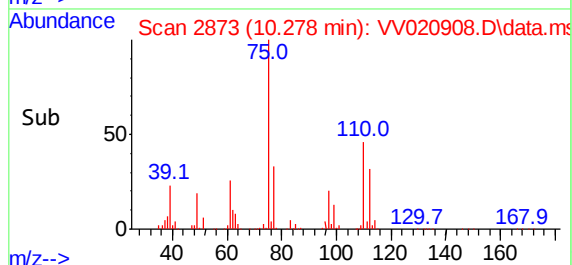
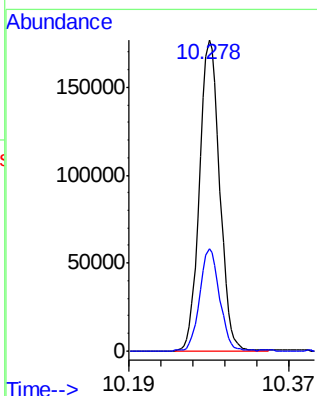
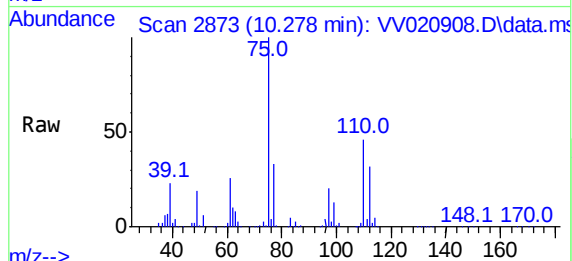




#59  
1,2,3-Trichloropropane  
Concen: 50.06 ug/L  
RT: 10.278 min Scan# 2873  
Delta R.T. -0.000 min  
Lab File: VV020908.D  
Acq: 05 Apr 2021 12:17

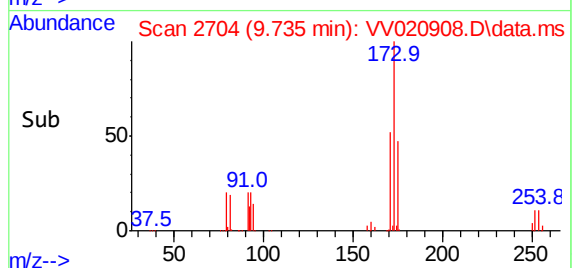
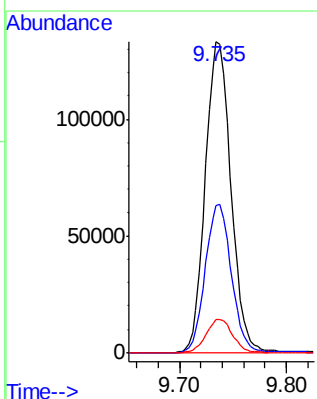
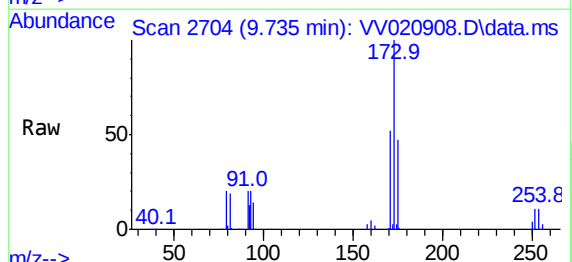
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD05073

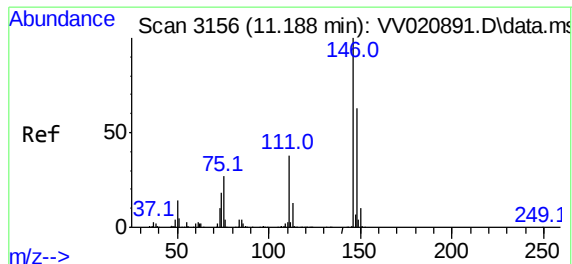
Tgt Ion: 75 Resp: 282860  
Ion Ratio Lower Upper  
75 100  
77 32.2 25.3 37.9



#61  
Bromoform  
Concen: 54.38 ug/L  
RT: 9.735 min Scan# 2704  
Delta R.T. -0.000 min  
Lab File: VV020908.D  
Acq: 05 Apr 2021 12:17

Tgt Ion:173 Resp: 219769  
Ion Ratio Lower Upper  
173 100  
175 48.5 38.4 57.6  
254 10.9 8.5 12.7

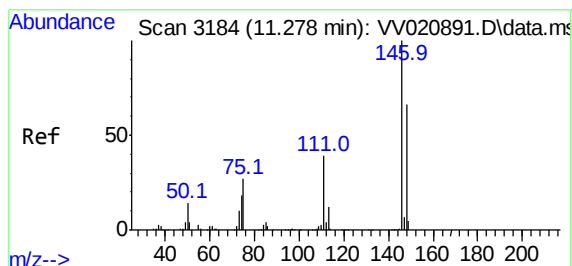
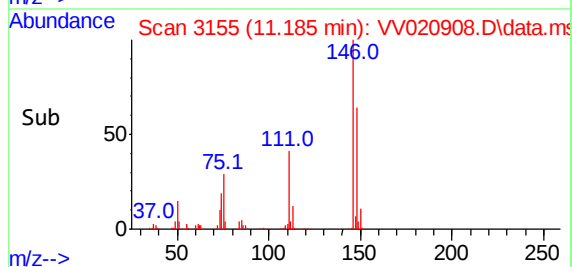
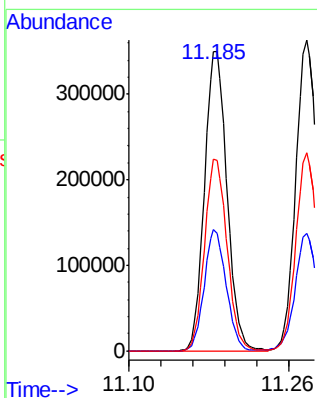
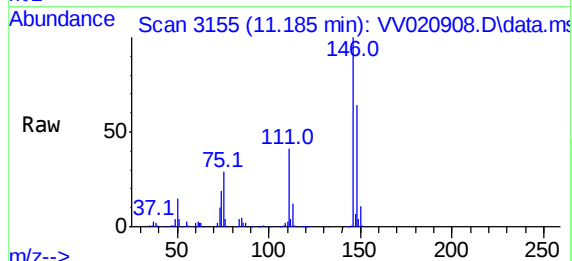




#62  
1,3-Dichlorobenzene  
Concen: 50.51 ug/L  
RT: 11.185 min Scan# 3155  
Delta R.T. -0.003 min  
Lab File: VV020908.D  
Acq: 05 Apr 2021 12:17

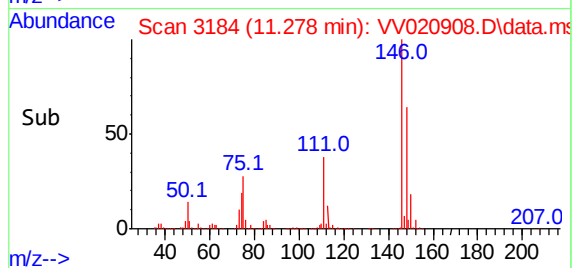
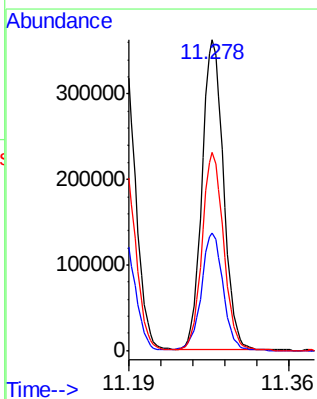
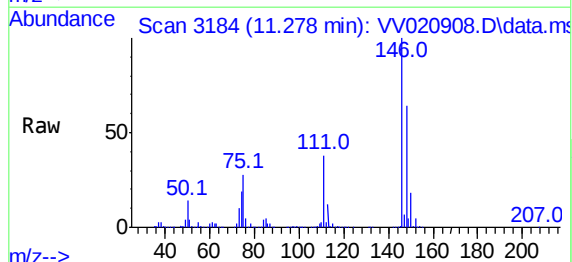
Instrument :  
MSVOA\_V  
ClientSampled :  
VSTD05073

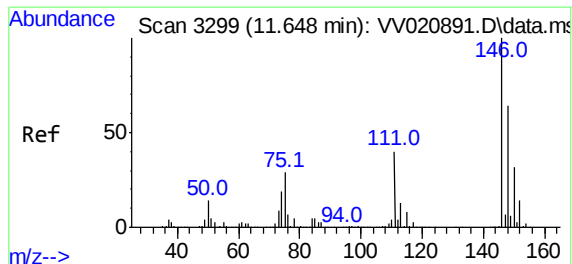
Tgt Ion:146 Resp: 548680  
Ion Ratio Lower Upper  
146 100  
111 40.6 27.4 51.0  
148 63.8 44.9 83.5



#63  
1,4-Dichlorobenzene  
Concen: 49.34 ug/L  
RT: 11.278 min Scan# 3184  
Delta R.T. -0.000 min  
Lab File: VV020908.D  
Acq: 05 Apr 2021 12:17

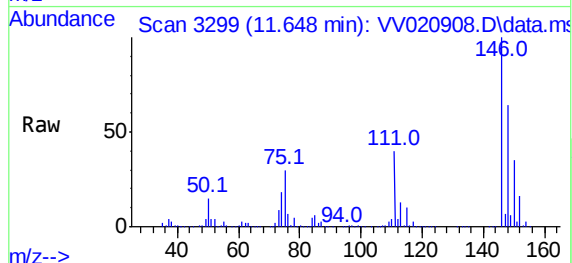
Tgt Ion:146 Resp: 557478  
Ion Ratio Lower Upper  
146 100  
111 38.0 26.0 48.4  
148 63.8 44.1 81.9



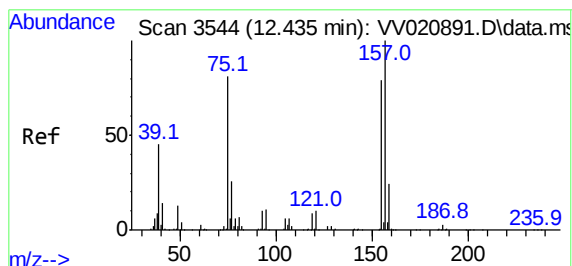
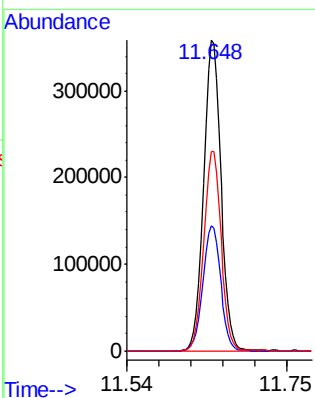
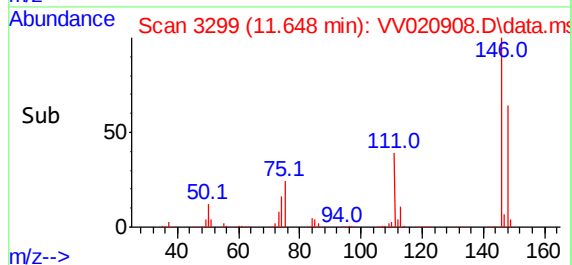


#65  
1,2-Dichlorobenzene  
Concen: 51.99 ug/L  
RT: 11.648 min Scan# 3299  
Delta R.T. -0.000 min  
Lab File: VV020908.D  
Acq: 05 Apr 2021 12:17

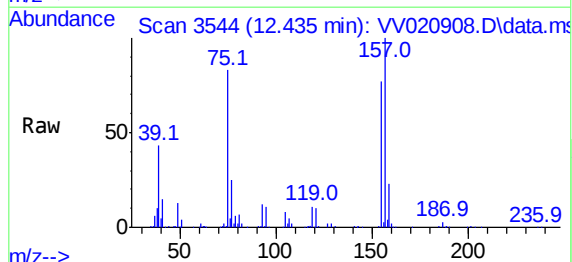
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD05073



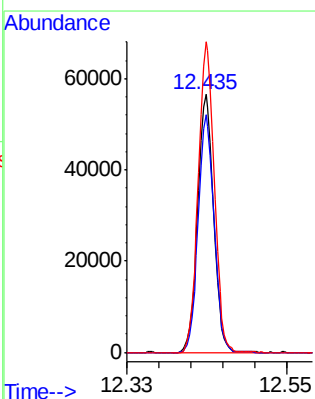
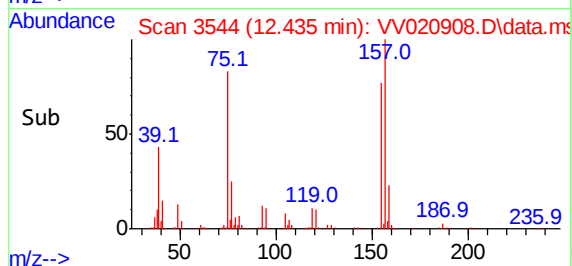
Tgt Ion:146 Resp: 556555  
Ion Ratio Lower Upper  
146 100  
111 40.3 34.1 51.1  
148 64.0 51.4 77.0

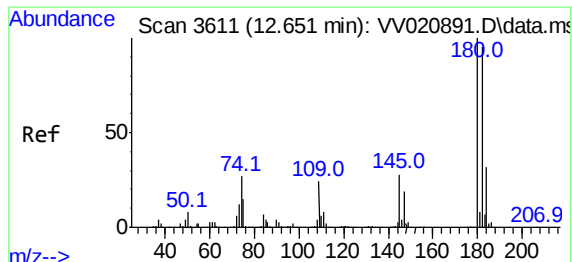


#66  
1,2-Dibromo-3-chloropropane  
Concen: 47.95 ug/L  
RT: 12.435 min Scan# 3544  
Delta R.T. -0.000 min  
Lab File: VV020908.D  
Acq: 05 Apr 2021 12:17



Tgt Ion: 75 Resp: 86789  
Ion Ratio Lower Upper  
75 100  
155 92.5 65.3 97.9  
157 120.6 85.8 128.6

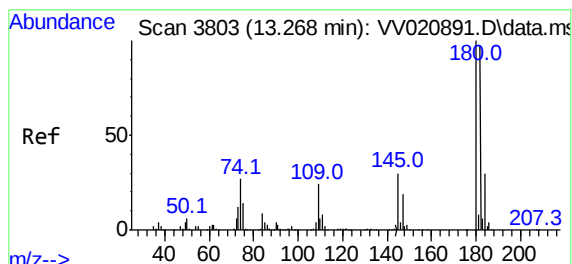
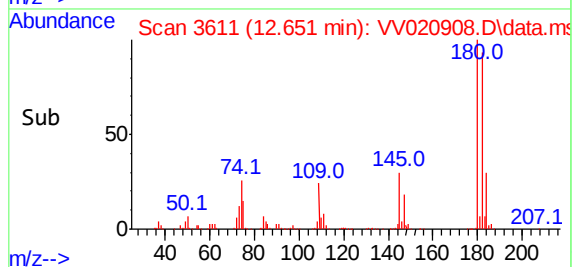
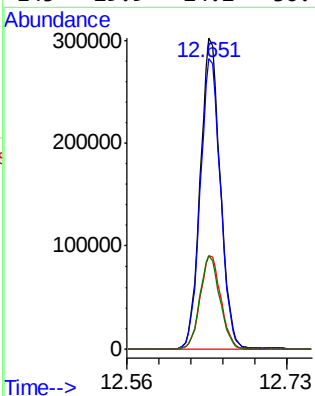
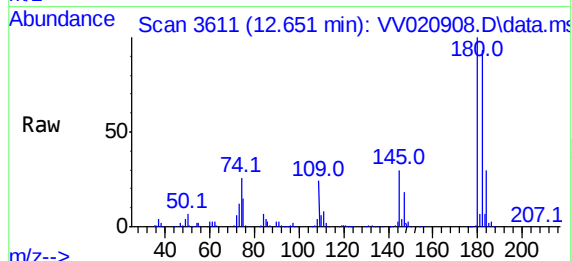




#67  
1,3,5-Trichlorobenzene  
Concen: 53.36 ug/L  
RT: 12.651 min Scan# 3611  
Delta R.T. -0.000 min  
Lab File: VV020908.D  
Acq: 05 Apr 2021 12:17

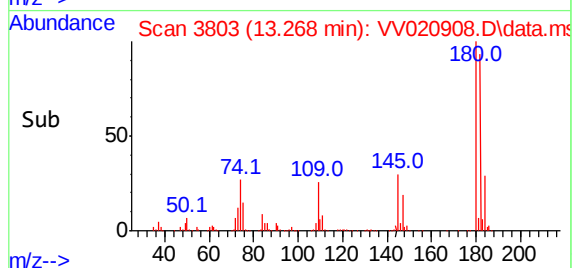
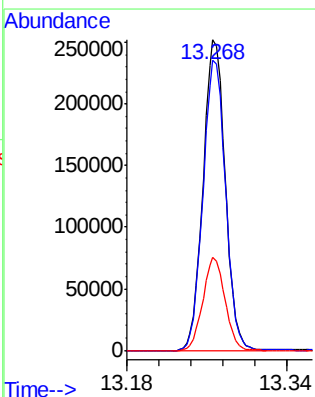
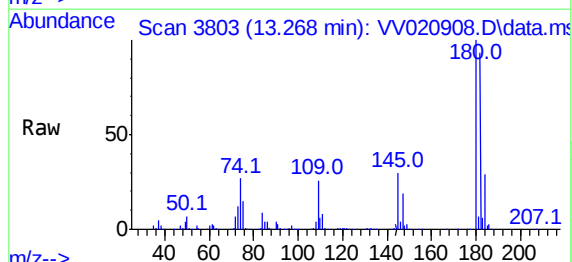
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD05073

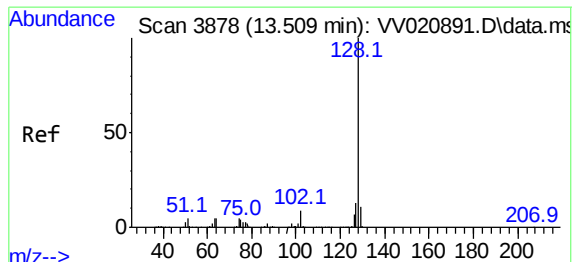
Tgt Ion:180 Resp: 449339  
Ion Ratio Lower Upper  
180 100  
182 94.6 76.3 114.5  
184 30.7 24.5 36.7  
145 29.9 24.2 36.4



#68  
1,2,4-trichlorobenzene  
Concen: 52.60 ug/L  
RT: 13.268 min Scan# 3803  
Delta R.T. -0.000 min  
Lab File: VV020908.D  
Acq: 05 Apr 2021 12:17

Tgt Ion:180 Resp: 375498  
Ion Ratio Lower Upper  
180 100  
182 95.1 75.8 113.6  
145 29.9 23.9 35.9



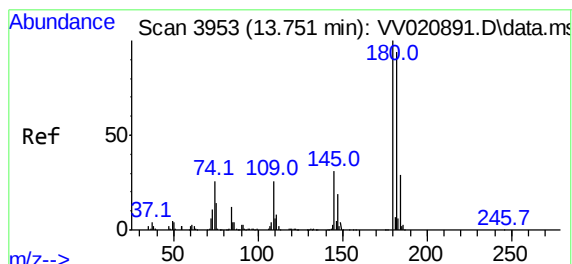
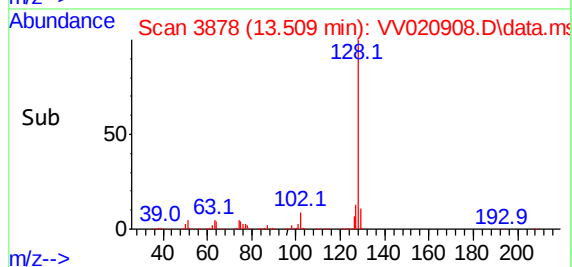
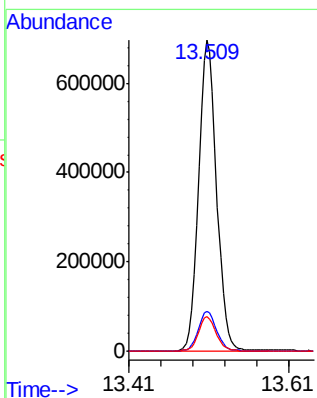
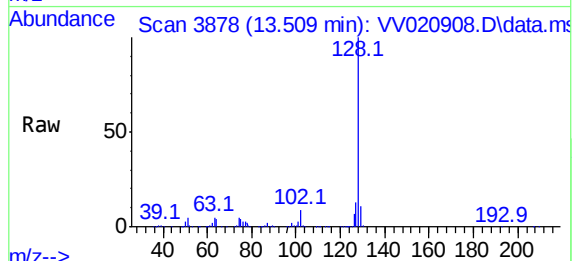


#69  
Naphthalene  
Concen: 51.59 ug/L  
RT: 13.509 min Scan# 3878  
Delta R.T. -0.000 min  
Lab File: VV020908.D  
Acq: 05 Apr 2021 12:17

Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD05073

Tgt Ion:128 Resp: 1054201

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 128 | 100   |       |       |
| 127 | 12.8  | 10.5  | 15.7  |
| 129 | 10.7  | 8.7   | 13.1  |



#70  
1,2,3-Trichlorobenzene  
Concen: 54.04 ug/L  
RT: 13.751 min Scan# 3953  
Delta R.T. -0.000 min  
Lab File: VV020908.D  
Acq: 05 Apr 2021 12:17

Tgt Ion:180 Resp: 386354

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 180 | 100   |       |       |
| 182 | 93.3  | 75.2  | 112.8 |
| 145 | 31.5  | 25.5  | 38.3  |

