

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV071521\  
 Data File : VV021673.D  
 Acq On : 15 Jul 2021 16:34  
 Operator : SY/MD  
 Sample : VSTDCCC050EC  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Jul 16 01:08:59 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM062921WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Jul 16 01:06:31 2021  
 Response via : Initial Calibration

| Compound                      | R.T.    | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|---------|-------|----------|----------|--------|----------|
| -----                         |         |       |          |          |        |          |
| Internal Standards            |         |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.616   | 114   | 430408   | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.854   | 117   | 408146   | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.249  | 152   | 220086   | 50.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |         |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.304   | 65    | 121456   | 44.601   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =      | 89.200%  |
| 7) Chloroethane-d5            | 1.558   | 69    | 98469    | 44.242   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =      | 88.480%  |
| 11) 1,1-Dichloroethene-d2     | 2.105   | 63    | 224939   | 45.147   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 90.300%  |
| 21) 2-Butanone-d5             | 3.870   | 46    | 234439   | 100.802  | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =      | 100.800% |
| 24) Chloroform-d              | 4.346   | 84    | 265445   | 46.602   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 93.200%  |
| 26) 1,2-Dichloroethane-d4     | 5.031   | 65    | 157751   | 47.001   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 94.000%  |
| 32) Benzene-d6                | 5.047   | 84    | 533424   | 46.548   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 93.100%  |
| 36) 1,2-Dichloropropane-d6    | 6.069   | 67    | 169505   | 46.897   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =      | 93.800%  |
| 41) Toluene-d8                | 7.317   | 98    | 492804   | 46.499   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 93.000%  |
| 43) trans-1,3-Dichloroprop... | 7.622   | 79    | 83333    | 46.348   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 92.700%  |
| 47) 2-Hexanone-d5             | 8.085   | 63    | 166893   | 99.543   | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =      | 99.540%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.217  | 84    | 240082   | 49.300   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =      | 98.600%  |
| 66) 1,2-Dichlorobenzene-d4    | 11.625  | 152   | 204444   | 46.594   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 93.180%  |
| Target Compounds              |         |       |          |          |        |          |
|                               |         |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.124   | 85    | 162832   | 43.741   | ug/L   | 100      |
| 3) Chloromethane              | 1.240   | 50    | 165058   | 46.055   | ug/L   | 100      |
| 5) Vinyl chloride             | 1.307   | 62    | 158765   | 44.747   | ug/L   | 100      |
| 6) Bromomethane               | 1.507   | 94    | 96644    | 46.742   | ug/L   | 100      |
| 8) Chloroethane               | 1.574   | 64    | 94611    | 46.382   | ug/L   | 99       |
| 9) Trichlorofluoromethane     | 1.748   | 101   | 216203   | 48.418   | ug/L   | 100      |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.111   | 101   | 124037   | 48.488   | ug/L   | 98       |
| 12) 1,1-Dichloroethene        | 2.114   | 96    | 114294   | 46.498   | ug/L   | 94       |
| 13) Acetone                   | 2.156   | 43    | 155825   | 81.044   | ug/L # | 100      |
| 14) Carbon disulfide          | 2.288   | 76    | 365848   | 42.216   | ug/L   | 100      |
| 15) Methyl Acetate            | 2.423   | 43    | 166388   | 46.569   | ug/L   | 99       |
| 16) Methylene chloride        | 2.503   | 84    | 152063   | 45.571   | ug/L   | 99       |
| 17) trans-1,2-Dichloroethene  | 2.754   | 96    | 141034   | 47.030   | ug/L   | 99       |
| 18) Methyl tert-butyl Ether   | 2.764   | 73    | 458648   | 47.222   | ug/L   | 99       |
| 19) 1,1-Dichloroethane        | 3.185   | 63    | 258916   | 47.399   | ug/L   | 99       |
| 20) cis-1,2-Dichloroethene    | 3.909   | 96    | 157793   | 47.319   | ug/L   | 97       |
| 22) 2-Butanone                | 3.954   | 43    | 242574   | 91.352   | ug/L   | 98       |
| 23) Bromochloromethane        | 4.246   | 128   | 83285    | 47.318   | ug/L   | 98       |
| 25) Chloroform                | 4.375   | 83    | 264408   | 47.478   | ug/L   | 100      |

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 Data File : VW021673.D  
 Acq On : 15 Jul 2021 16:34  
 Operator : SY/MD  
 Sample : VSTDCCC050EC  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 14 Sample Multiplier: 1

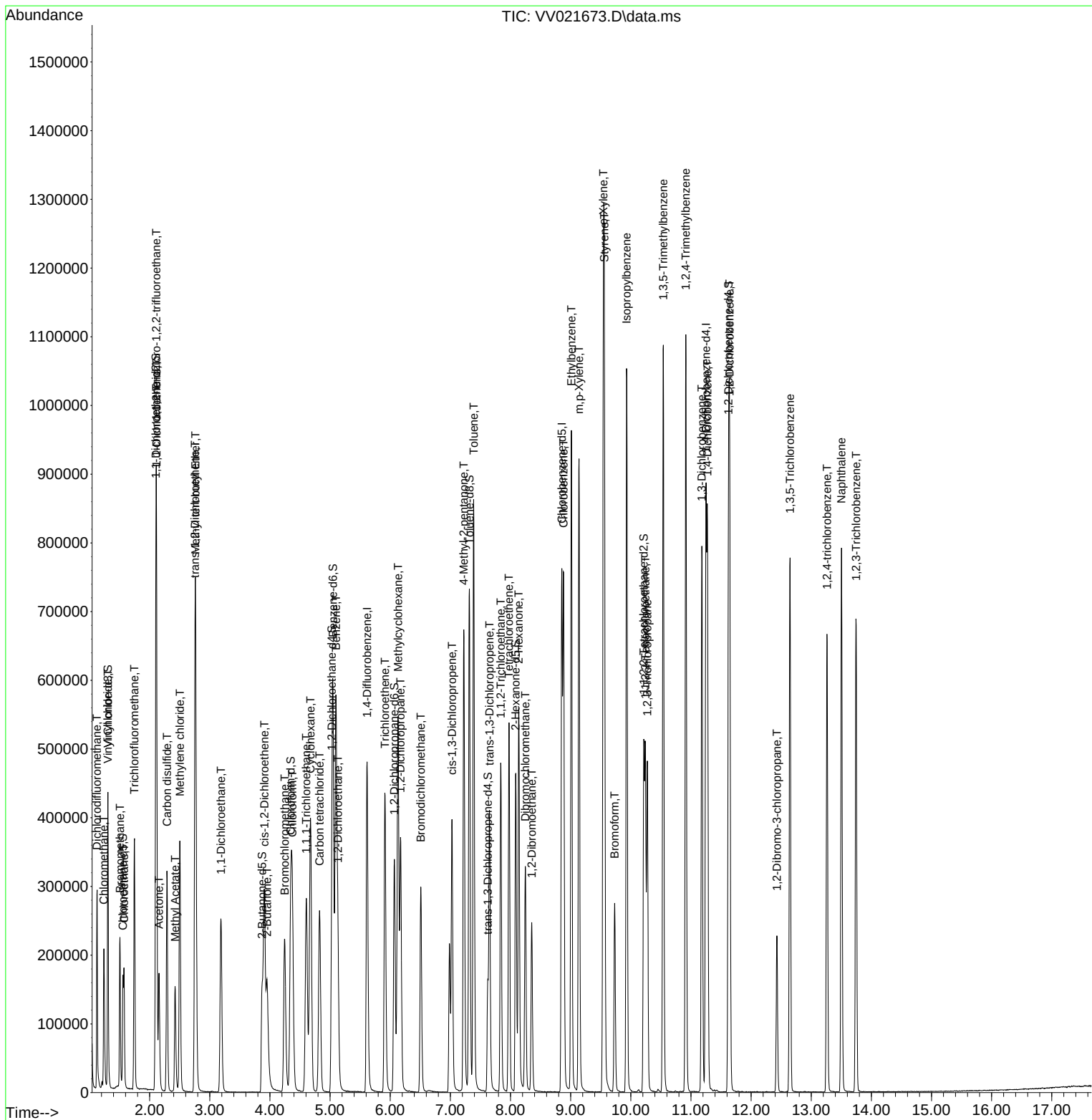
Instrument :  
 MSVOA\_V  
 ClientSampleId :

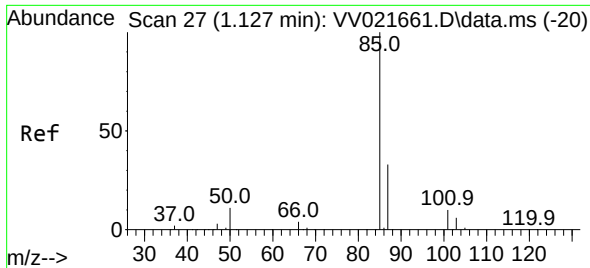
Quant Time: Jul 16 01:08:59 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM062921WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Jul 16 01:06:31 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.130  | 62   | 194400   | 47.993 | ug/L  | 99       |
| 29) Cyclohexane               | 4.674  | 56   | 232953   | 45.201 | ug/L  | 100      |
| 30) 1,1,1-Trichloroethane     | 4.606  | 97   | 233780   | 45.560 | ug/L  | 99       |
| 31) Carbon tetrachloride      | 4.825  | 117  | 205439   | 45.461 | ug/L  | 99       |
| 33) Benzene                   | 5.098  | 78   | 584757   | 47.078 | ug/L  | 100      |
| 34) Trichloroethene           | 5.912  | 95   | 155221   | 46.230 | ug/L  | 97       |
| 35) Methylcyclohexane         | 6.130  | 83   | 243200   | 45.624 | ug/L  | 100      |
| 37) 1,2-Dichloropropane       | 6.172  | 63   | 149056   | 46.168 | ug/L  | 100      |
| 38) Bromodichloromethane      | 6.510  | 83   | 199183   | 45.651 | ug/L  | 98       |
| 39) cis-1,3-Dichloropropene   | 7.027  | 75   | 245400   | 46.092 | ug/L  | 99       |
| 40) 4-Methyl-2-pentanone      | 7.224  | 43   | 446032   | 94.113 | ug/L  | 99       |
| 42) Toluene                   | 7.388  | 91   | 632833   | 47.566 | ug/L  | 99       |
| 44) trans-1,3-Dichloropropene | 7.651  | 75   | 229839   | 46.227 | ug/L  | 99       |
| 45) 1,1,2-Trichloroethane     | 7.838  | 97   | 152602   | 48.113 | ug/L  | 99       |
| 46) Tetrachloroethene         | 7.976  | 164  | 124156   | 46.494 | ug/L  | 99       |
| 48) 2-Hexanone                | 8.137  | 43   | 341838   | 91.252 | ug/L  | 99       |
| 49) Dibromochloromethane      | 8.246  | 129  | 170355   | 46.638 | ug/L  | 99       |
| 50) 1,2-Dibromoethane         | 8.352  | 107  | 162200   | 46.641 | ug/L  | 100      |
| 51) Chlorobenzene             | 8.883  | 112  | 411995   | 47.586 | ug/L  | 99       |
| 52) Ethylbenzene              | 9.011  | 91   | 679773   | 47.030 | ug/L  | 100      |
| 53) m,p-Xylene                | 9.140  | 106  | 264885   | 47.754 | ug/L  | 100      |
| 54) o-Xylene                  | 9.545  | 106  | 261645   | 47.281 | ug/L  | 98       |
| 55) Styrene                   | 9.561  | 104  | 452297   | 48.369 | ug/L  | 98       |
| 57) 1,1,2,2-Tetrachloroethane | 10.243 | 83   | 241384   | 48.822 | ug/L  | 99       |
| 59) Bromoform                 | 9.731  | 173  | 125507   | 44.368 | ug/L  | 99       |
| 60) Isopropylbenzene          | 9.931  | 105  | 688804   | 45.885 | ug/L  | 100      |
| 61) 1,2,3-Trichloropropane    | 10.275 | 75   | 193442   | 45.468 | ug/L  | 100      |
| 62) 1,3,5-Trimethylbenzene    | 10.542 | 105  | 588285   | 45.982 | ug/L  | 100      |
| 63) 1,2,4-Trimethylbenzene    | 10.915 | 105  | 601715   | 46.475 | ug/L  | 100      |
| 64) 1,3-Dichlorobenzene       | 11.182 | 146  | 331082   | 46.903 | ug/L  | 99       |
| 65) 1,4-Dichlorobenzene       | 11.275 | 146  | 330293   | 46.814 | ug/L  | 98       |
| 67) 1,2-Dichlorobenzene       | 11.645 | 146  | 334997   | 47.355 | ug/L  | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 12.429 | 75   | 52799    | 41.862 | ug/L  | 94       |
| 69) 1,3,5-Trichlorobenzene    | 12.648 | 180  | 244410   | 46.332 | ug/L  | 98       |
| 70) 1,2,4-trichlorobenzene    | 13.262 | 180  | 209128   | 46.097 | ug/L  | 99       |
| 71) Naphthalene               | 13.503 | 128  | 632035   | 45.744 | ug/L  | 100      |
| 72) 1,2,3-Trichlorobenzene    | 13.747 | 180  | 210088   | 46.886 | ug/L  | 99       |

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

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM062921WMA.M  
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QLast Update : Fri Jul 16 01:06:31 2021  
Response via : Initial Calibration

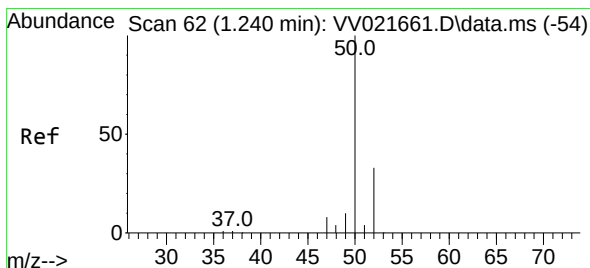
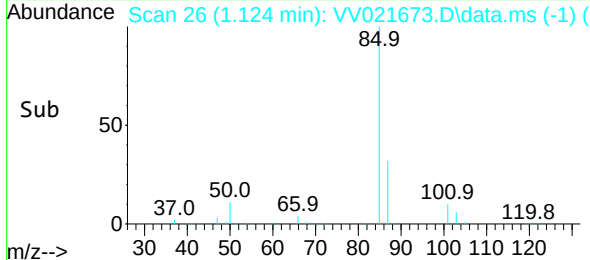
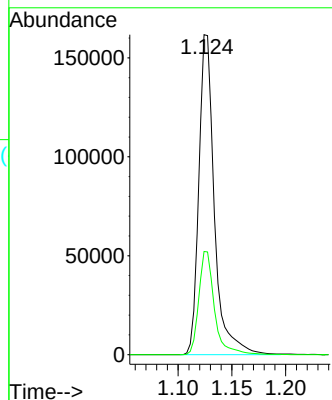
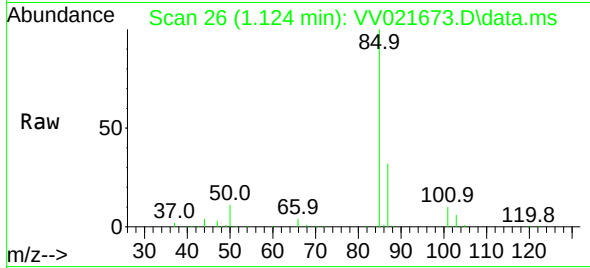




#2  
 Dichlorodifluoromethane  
 Concen: 43.741 ug/L  
 RT: 1.124 min Scan# 26  
 Delta R.T. -0.003 min  
 Lab File: VV021673.D  
 Acq: 15 Jul 2021 16:34

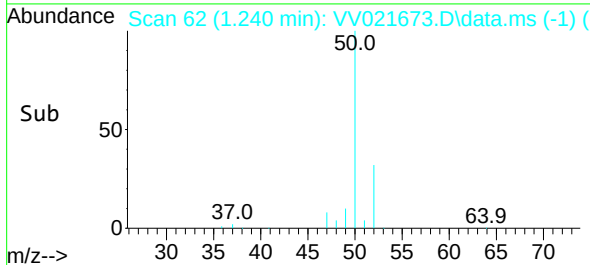
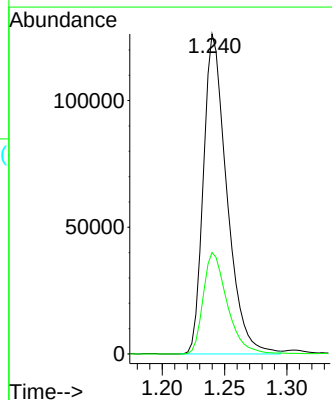
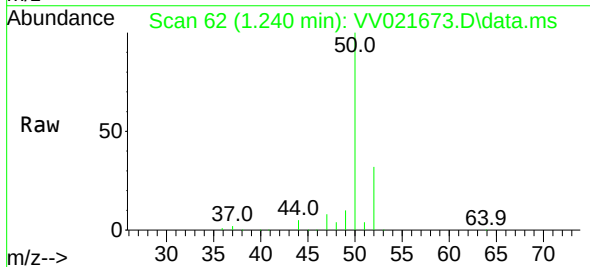
Instrument :  
 MSVOA\_V  
 ClientSampled :

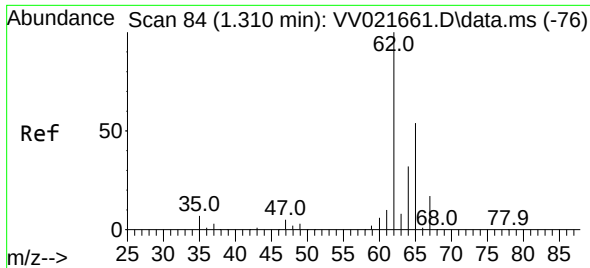
Tgt Ion: 85 Resp: 162832  
 Ion Ratio Lower Upper  
 85 100  
 87 32.5 26.1 39.1



#3  
 Chloromethane  
 Concen: 46.055 ug/L  
 RT: 1.240 min Scan# 62  
 Delta R.T. 0.000 min  
 Lab File: VV021673.D  
 Acq: 15 Jul 2021 16:34

Tgt Ion: 50 Resp: 165058  
 Ion Ratio Lower Upper  
 50 100  
 52 31.7 22.3 41.5

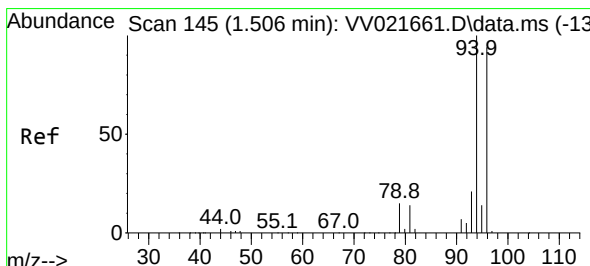
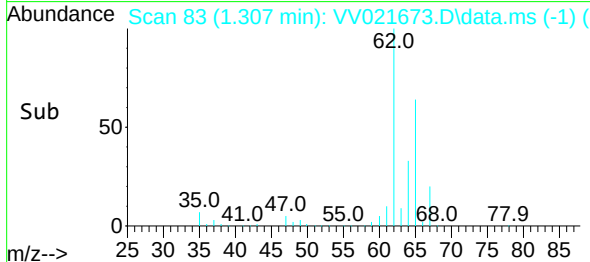
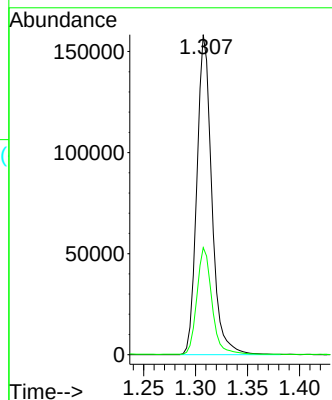
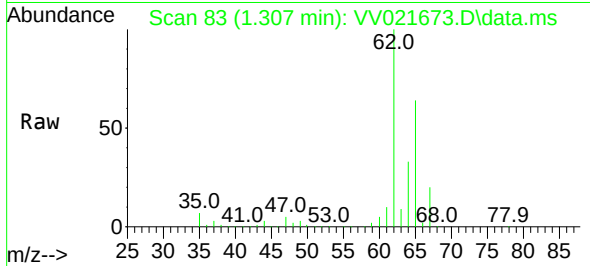




#5  
 Vinyl chloride  
 Concen: 44.747 ug/L  
 RT: 1.307 min Scan# 83  
 Delta R.T. -0.003 min  
 Lab File: VV021673.D  
 Acq: 15 Jul 2021 16:34

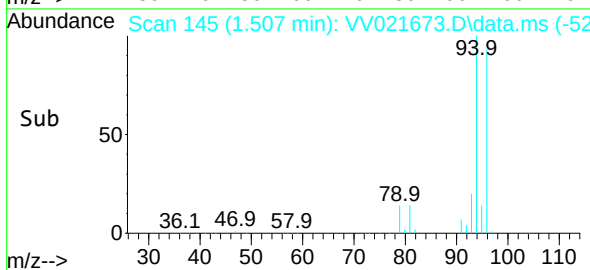
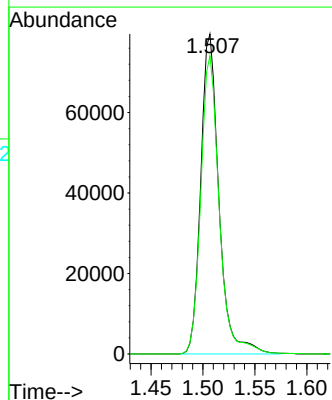
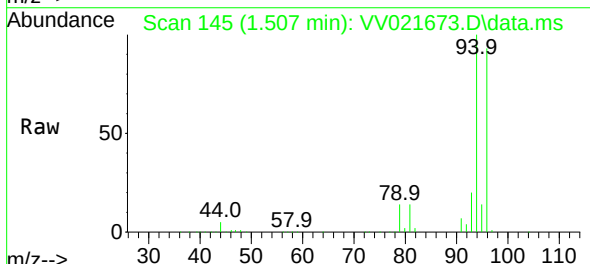
Instrument :  
 MSVOA\_V  
 ClientSampleId :

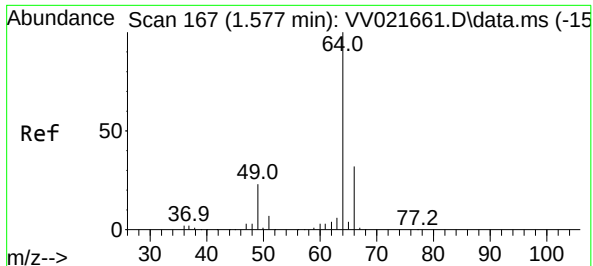
Tgt Ion: 62 Resp: 158765  
 Ion Ratio Lower Upper  
 62 100  
 64 33.5 23.3 43.3



#6  
 Bromomethane  
 Concen: 46.742 ug/L  
 RT: 1.507 min Scan# 145  
 Delta R.T. 0.000 min  
 Lab File: VV021673.D  
 Acq: 15 Jul 2021 16:34

Tgt Ion: 94 Resp: 96644  
 Ion Ratio Lower Upper  
 94 100  
 96 93.2 65.5 121.7

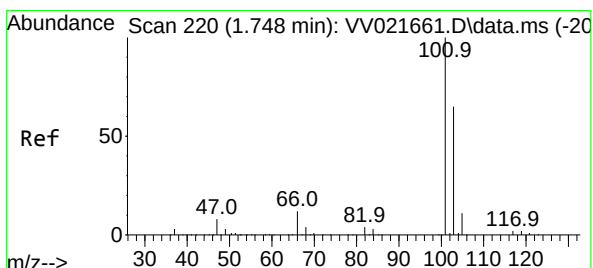
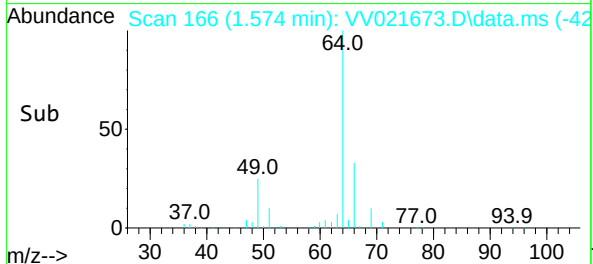
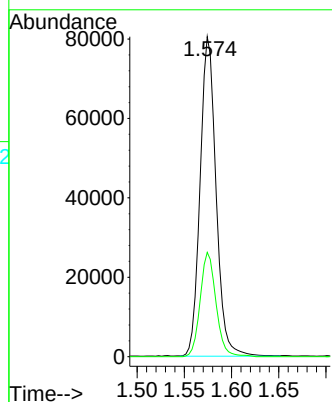
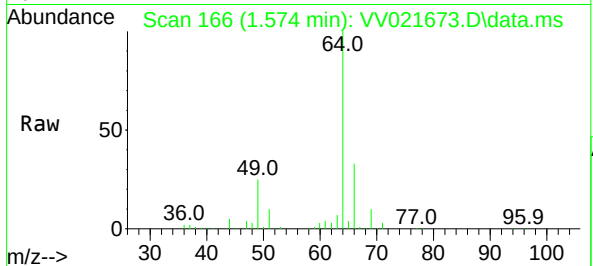




#8  
Chloroethane  
Concen: 46.382 ug/L  
RT: 1.574 min Scan# 166  
Delta R.T. -0.003 min  
Lab File: VV021673.D  
Acq: 15 Jul 2021 16:34

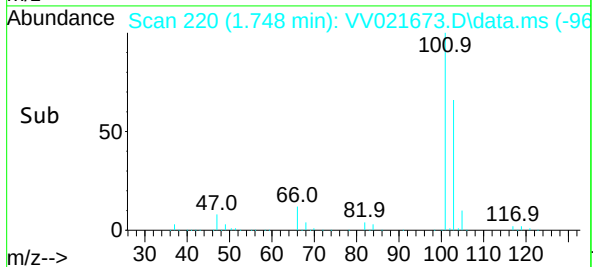
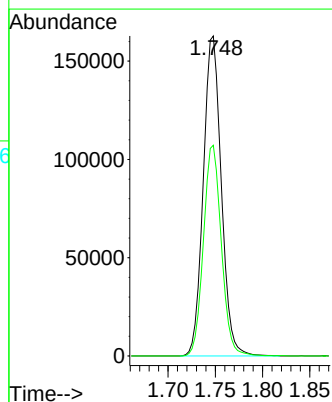
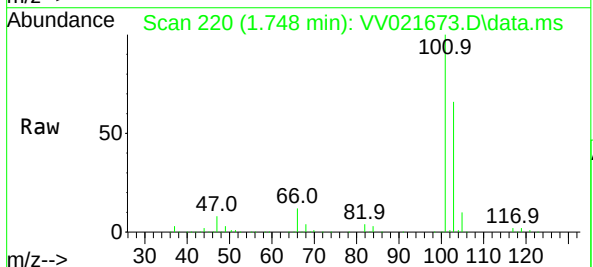
Instrument :  
MSVOA\_V  
ClientSampled :

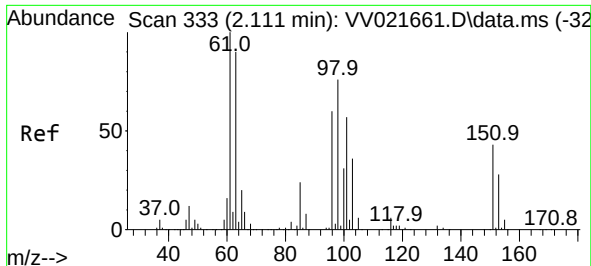
Tgt Ion: 64 Resp: 94611  
Ion Ratio Lower Upper  
64 100  
66 32.6 22.3 41.3



#9  
Trichlorofluoromethane  
Concen: 48.418 ug/L  
RT: 1.748 min Scan# 220  
Delta R.T. 0.000 min  
Lab File: VV021673.D  
Acq: 15 Jul 2021 16:34

Tgt Ion:101 Resp: 216203  
Ion Ratio Lower Upper  
101 100  
103 65.2 52.4 78.6

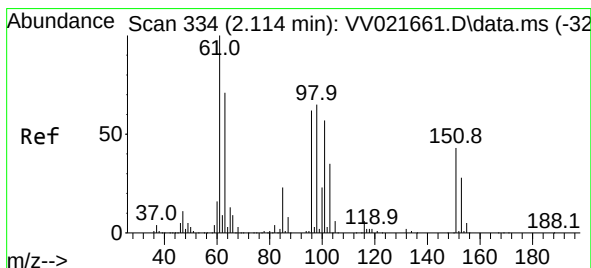
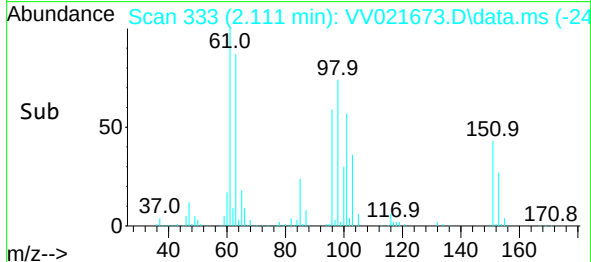
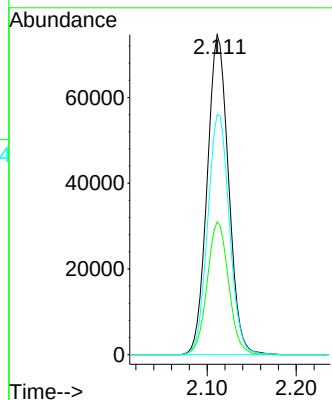
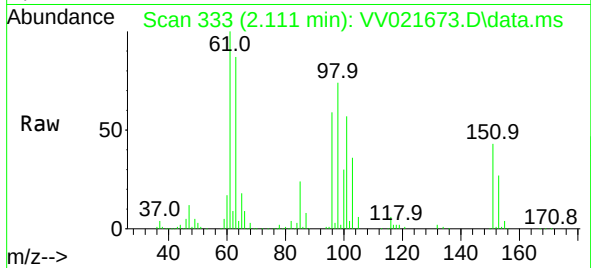




#10  
1,1,2-Trichloro-1,2,2-trifluoroethane  
Concen: 48.488 ug/L  
RT: 2.111 min Scan# 333  
Delta R.T. 0.000 min  
Lab File: VV021673.D  
Acq: 15 Jul 2021 16:34

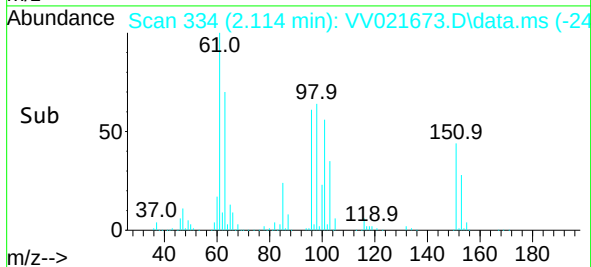
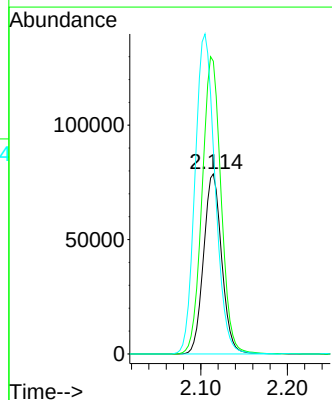
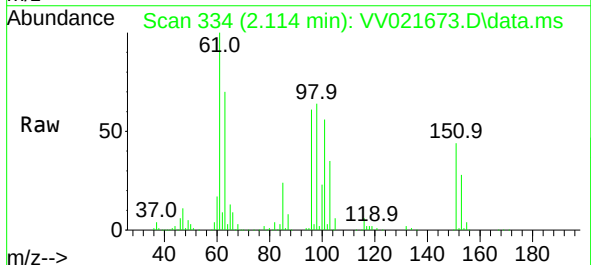
Instrument :  
MSVOA\_V  
ClientSampleId :

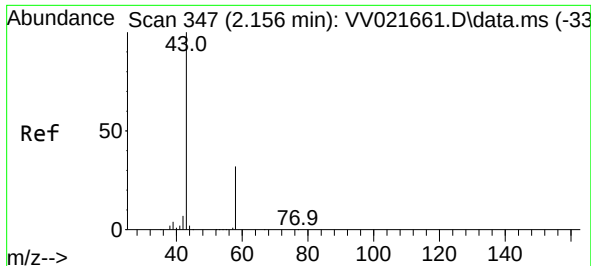
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Ion Ratio Lower Upper  
101 100  
85 41.8 33.3 49.9  
151 76.6 62.8 94.2



#12  
1,1-Dichloroethene  
Concen: 46.498 ug/L  
RT: 2.114 min Scan# 334  
Delta R.T. 0.000 min  
Lab File: VV021673.D  
Acq: 15 Jul 2021 16:34

Tgt Ion: 96 Resp: 114294  
Ion Ratio Lower Upper  
96 100  
61 162.7 112.9 209.7  
63 114.3 90.8 168.6

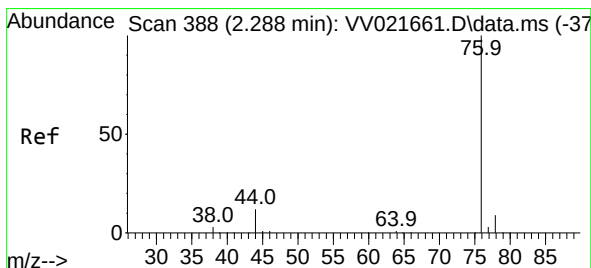
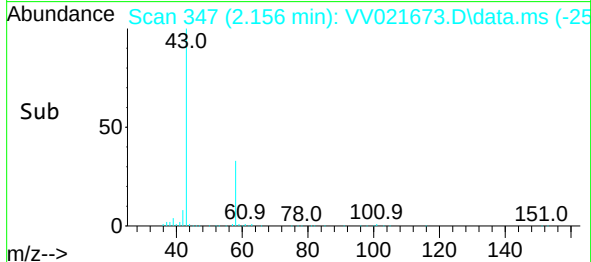
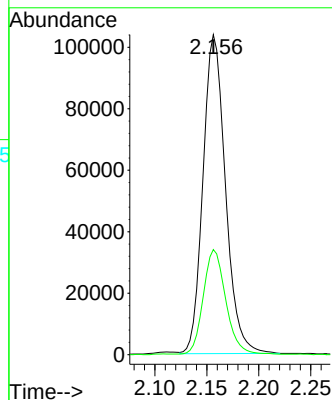
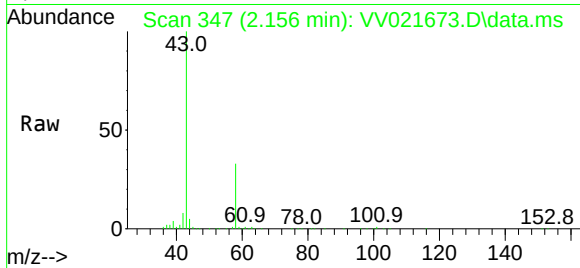




#13  
Acetone  
Concen: 81.044 ug/L  
RT: 2.156 min Scan# 347  
Delta R.T. 0.000 min  
Lab File: VV021673.D  
Acq: 15 Jul 2021 16:34

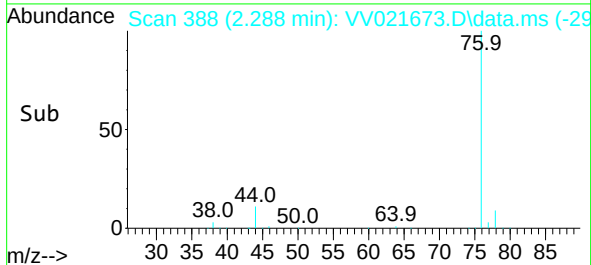
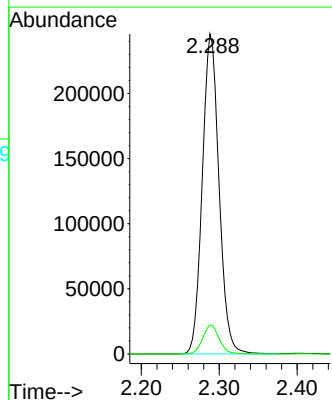
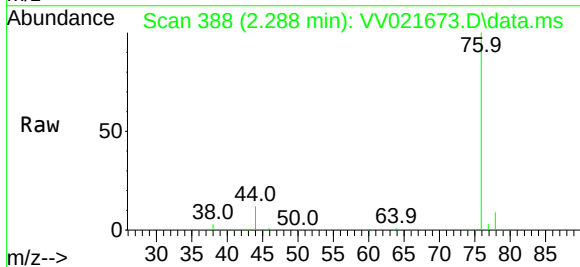
Instrument :  
MSVOA\_V  
ClientSampled :

Tgt Ion: 43 Resp: 155825  
Ion Ratio Lower Upper  
43 100  
58 32.5 0.0 0.0#

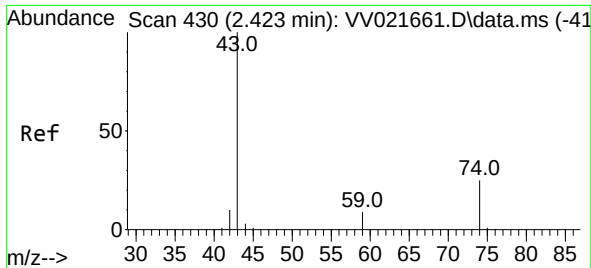


#14  
Carbon disulfide  
Concen: 42.216 ug/L  
RT: 2.288 min Scan# 388  
Delta R.T. 0.000 min  
Lab File: VV021673.D  
Acq: 15 Jul 2021 16:34

Tgt Ion: 76 Resp: 365848  
Ion Ratio Lower Upper  
76 100  
78 9.0 7.4 11.0



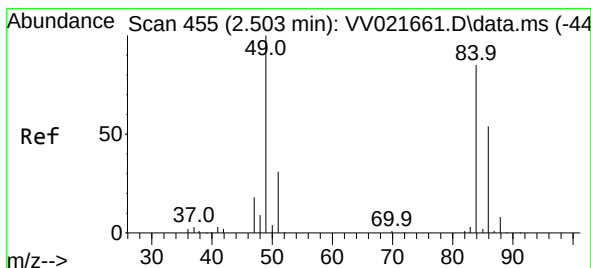
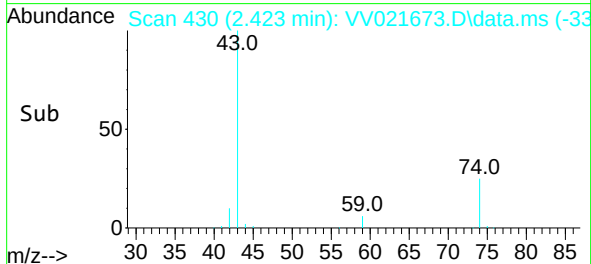
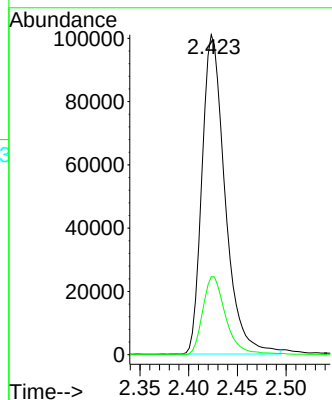
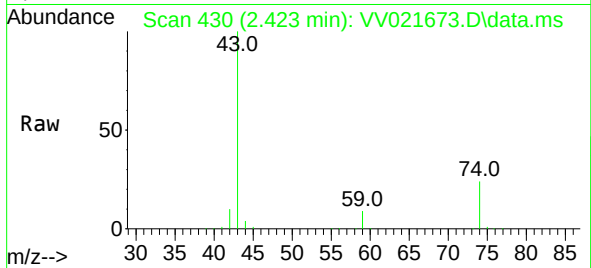




#15  
Methyl Acetate  
Concen: 46.569 ug/L  
RT: 2.423 min Scan# 430  
Delta R.T. 0.000 min  
Lab File: VV021673.D  
Acq: 15 Jul 2021 16:34

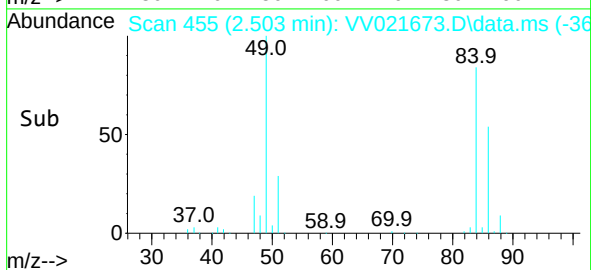
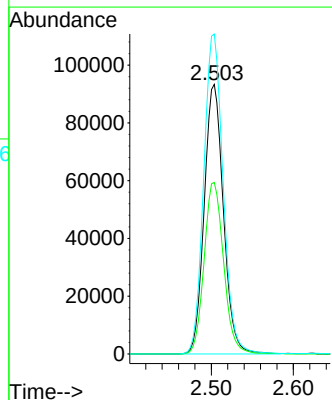
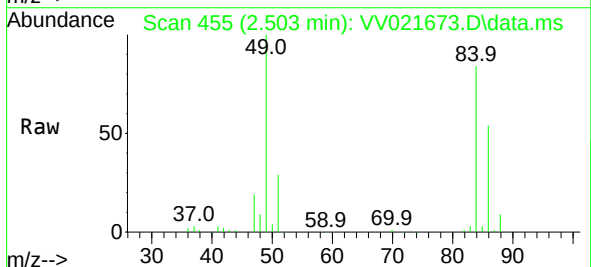
Instrument :  
MSVOA\_V  
ClientSampled :

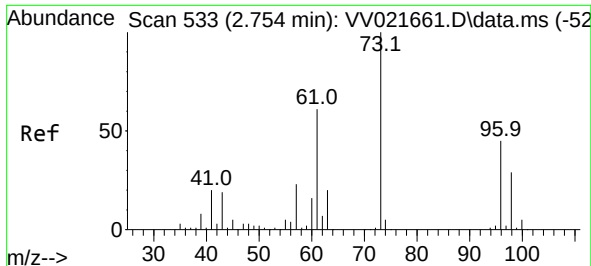
Tgt Ion: 43 Resp: 166388  
Ion Ratio Lower Upper  
43 100  
74 24.1 19.0 28.6



#16  
Methylene chloride  
Concen: 45.571 ug/L  
RT: 2.503 min Scan# 455  
Delta R.T. 0.000 min  
Lab File: VV021673.D  
Acq: 15 Jul 2021 16:34

Tgt Ion: 84 Resp: 152063  
Ion Ratio Lower Upper  
84 100  
86 63.6 45.1 83.9  
49 118.7 82.5 153.3

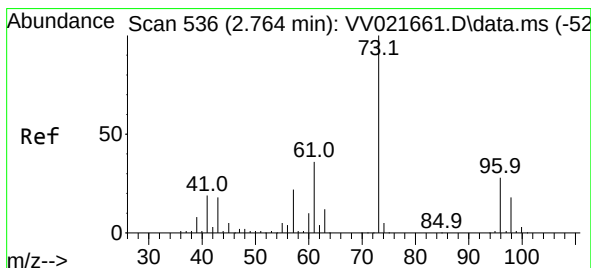
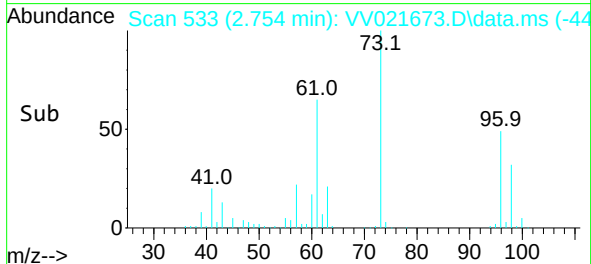
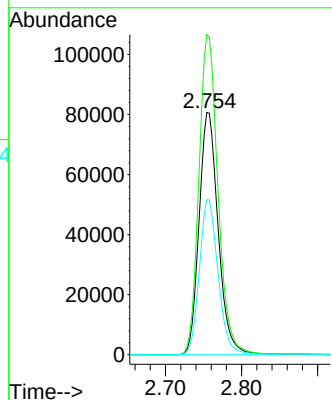
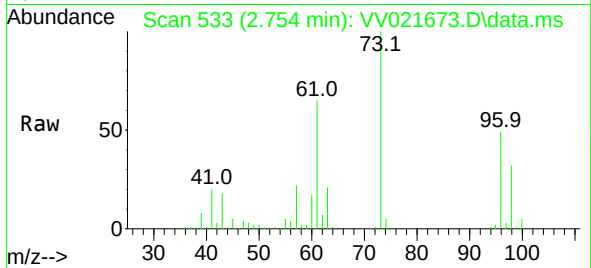




#17  
trans-1,2-Dichloroethene  
Concen: 47.030 ug/L  
RT: 2.754 min Scan# 533  
Delta R.T. 0.000 min  
Lab File: VV021673.D  
Acq: 15 Jul 2021 16:34

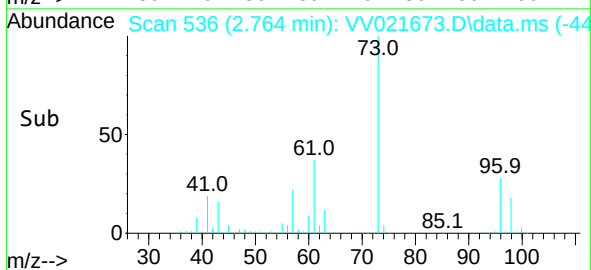
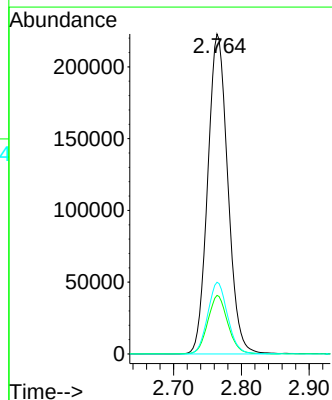
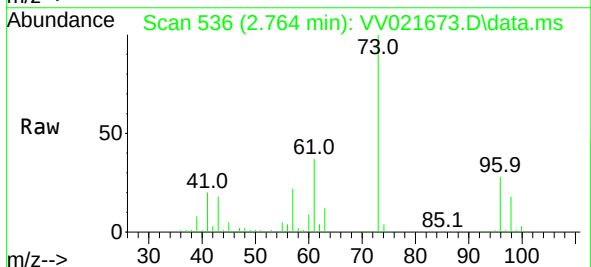
Instrument :  
MSVOA\_V  
ClientSampleId :

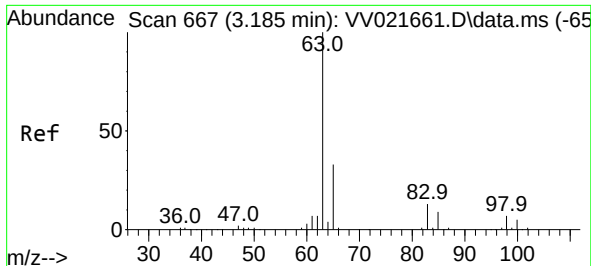
Tgt Ion: 96 Resp: 141034  
Ion Ratio Lower Upper  
96 100  
61 132.1 93.0 172.6  
98 64.0 44.2 82.0



#18  
Methyl tert-butyl Ether  
Concen: 47.222 ug/L  
RT: 2.764 min Scan# 536  
Delta R.T. 0.000 min  
Lab File: VV021673.D  
Acq: 15 Jul 2021 16:34

Tgt Ion: 73 Resp: 458648  
Ion Ratio Lower Upper  
73 100  
43 18.1 14.6 22.0  
57 22.2 17.4 26.2





#19

1,1-Dichloroethane

Concen: 47.399 ug/L

RT: 3.185 min Scan# 667

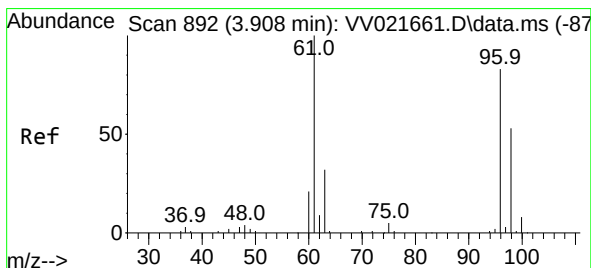
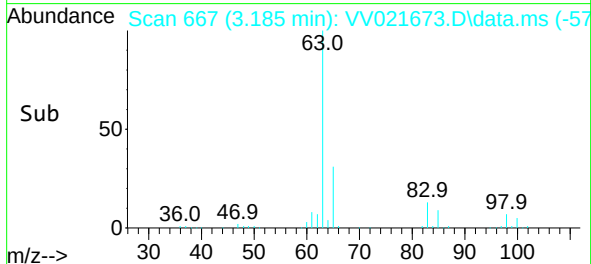
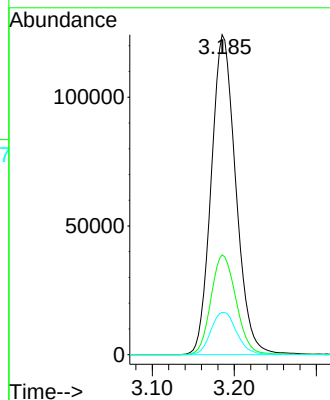
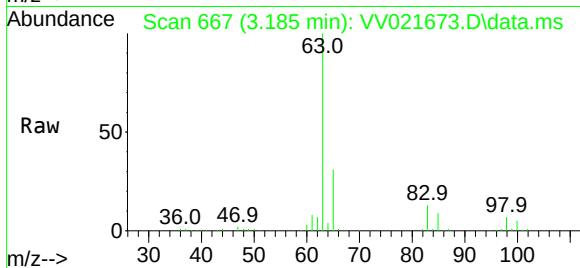
Delta R.T. 0.000 min

Lab File: VV021673.D

Acq: 15 Jul 2021 16:34

Tgt Ion: 63 Resp: 258916

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 63  | 100   |       |       |
| 65  | 31.2  | 22.4  | 41.6  |
| 83  | 13.2  | 9.4   | 17.6  |



#20

cis-1,2-Dichloroethene

Concen: 47.319 ug/L

RT: 3.909 min Scan# 892

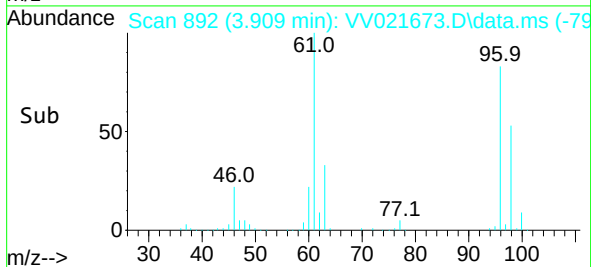
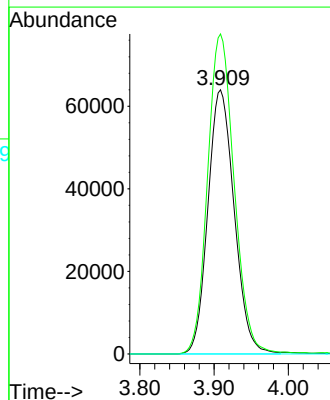
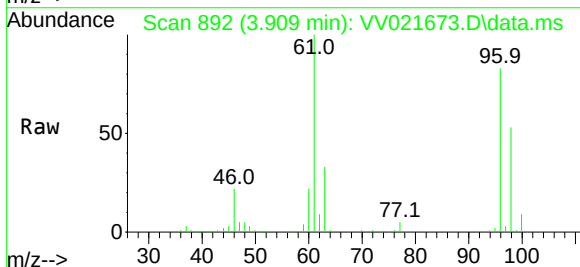
Delta R.T. 0.000 min

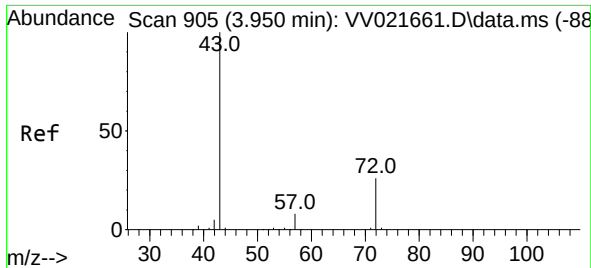
Lab File: VV021673.D

Acq: 15 Jul 2021 16:34

Tgt Ion: 96 Resp: 157793

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 121.2 | 86.9  | 161.3 |
| 68  | 0.0   | 0.0   | 0.0   |

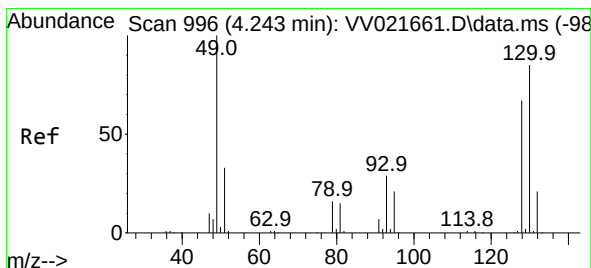
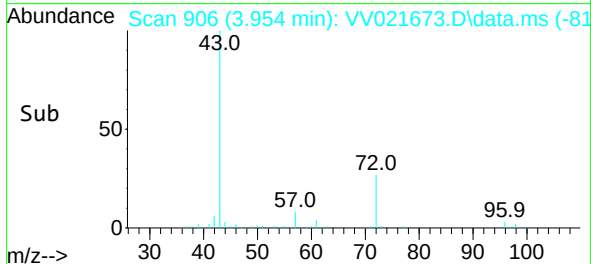
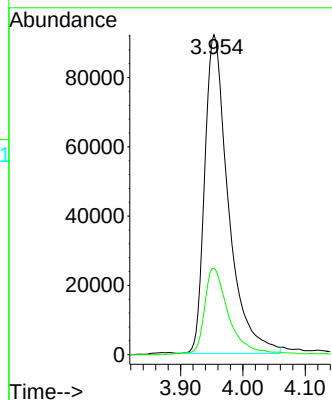
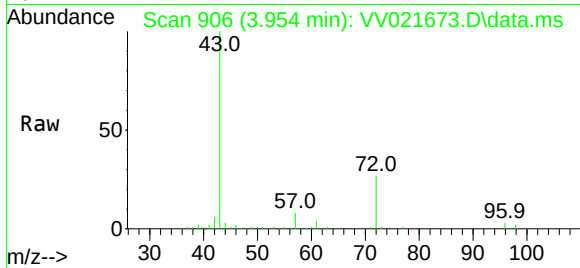




#22  
2-Butanone  
Concen: 91.352 ug/L  
RT: 3.954 min Scan# 906  
Delta R.T. 0.004 min  
Lab File: VV021673.D  
Acq: 15 Jul 2021 16:34

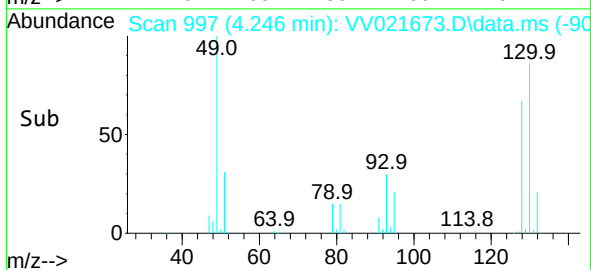
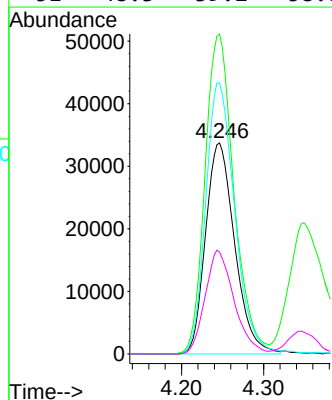
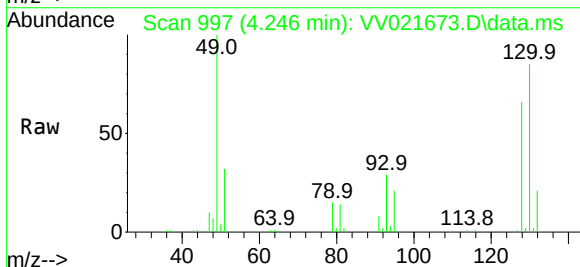
Instrument :  
MSVOA\_V  
ClientSampled :

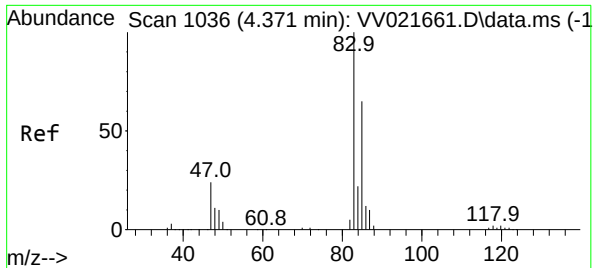
Tgt Ion: 43 Resp: 242574  
Ion Ratio Lower Upper  
43 100  
72 27.7 13.3 39.8



#23  
Bromochloromethane  
Concen: 47.318 ug/L  
RT: 4.246 min Scan# 997  
Delta R.T. 0.004 min  
Lab File: VV021673.D  
Acq: 15 Jul 2021 16:34

Tgt Ion: 128 Resp: 83285  
Ion Ratio Lower Upper  
128 100  
49 151.6 107.5 199.7  
130 128.4 92.2 171.2  
51 48.3 39.2 58.8





#25

Chloroform

Concen: 47.478 ug/L

RT: 4.375 min Scan# 1037

Delta R.T. 0.004 min

Lab File: VV021673.D

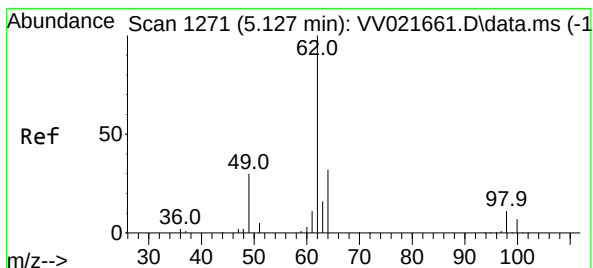
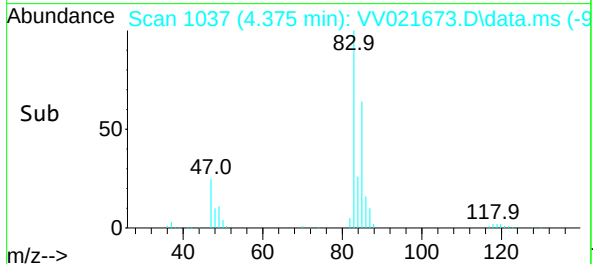
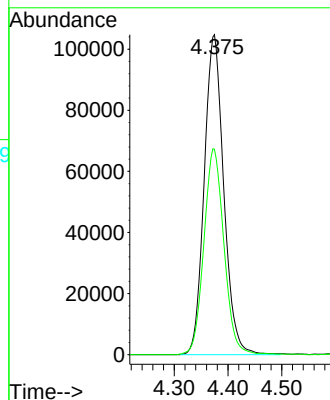
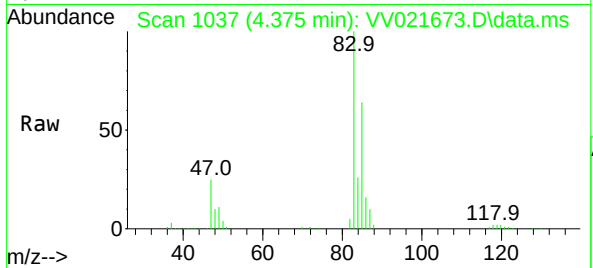
Acq: 15 Jul 2021 16:34

Tgt Ion: 83 Resp: 264408

Ion Ratio Lower Upper

83 100

85 64.2 45.1 83.7



#27

1,2-Dichloroethane

Concen: 47.993 ug/L

RT: 5.130 min Scan# 1272

Delta R.T. 0.004 min

Lab File: VV021673.D

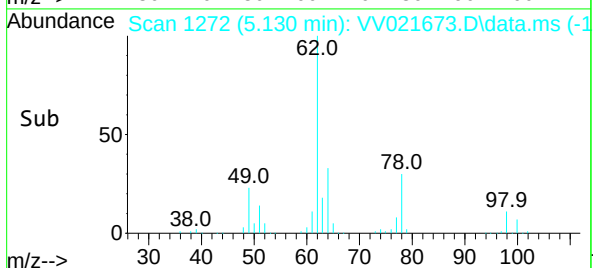
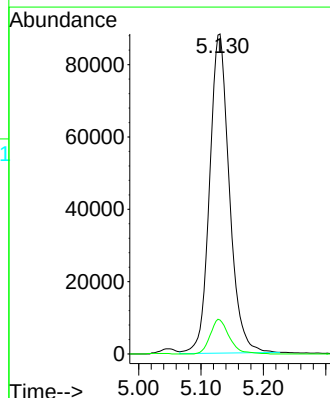
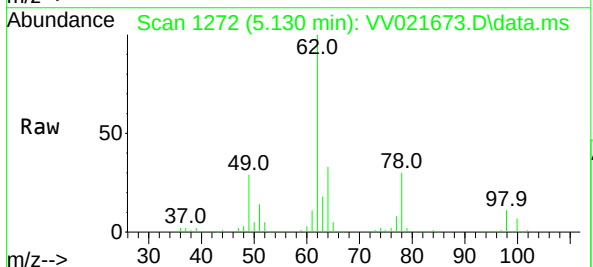
Acq: 15 Jul 2021 16:34

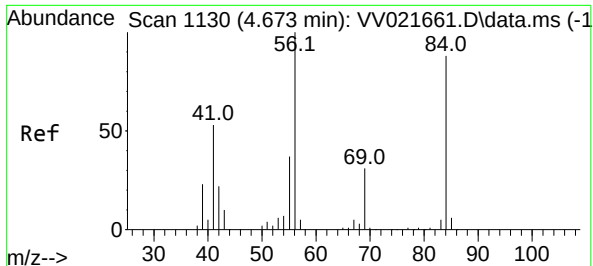
Tgt Ion: 62 Resp: 194400

Ion Ratio Lower Upper

62 100

98 10.6 8.2 12.4





#29

Cyclohexane

Concen: 45.201 ug/L

RT: 4.674 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VV021673.D

Acq: 15 Jul 2021 16:34

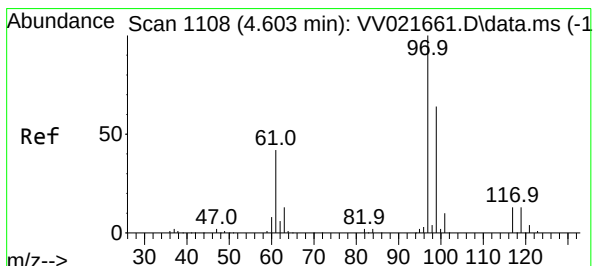
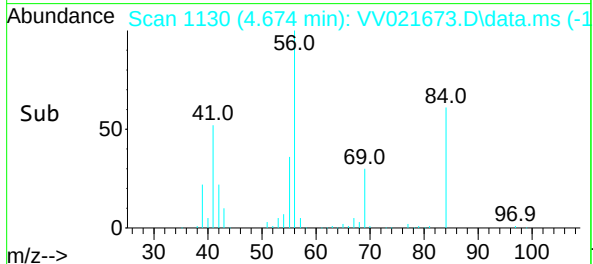
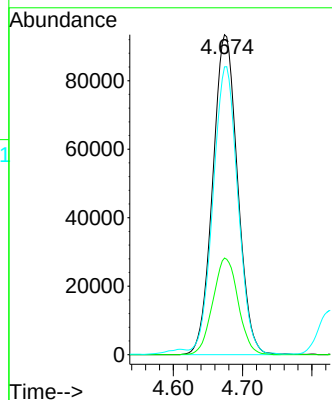
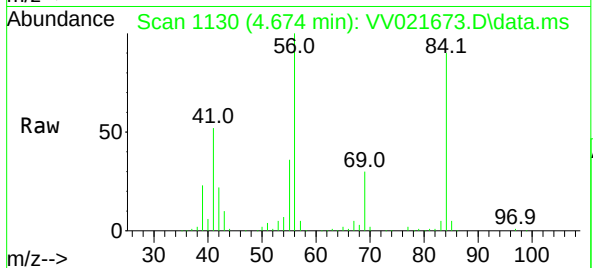
Tgt Ion: 56 Resp: 232953

Ion Ratio Lower Upper

56 100

69 30.7 24.9 37.3

84 89.1 71.6 107.4



#30

1,1,1-Trichloroethane

Concen: 45.560 ug/L

RT: 4.606 min Scan# 1109

Delta R.T. 0.004 min

Lab File: VV021673.D

Acq: 15 Jul 2021 16:34

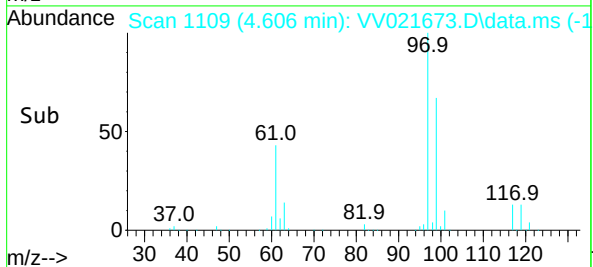
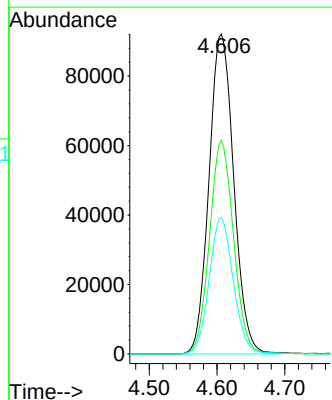
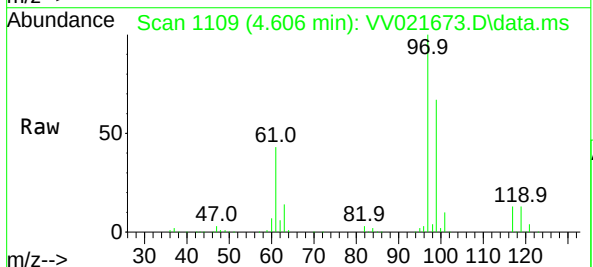
Tgt Ion: 97 Resp: 233780

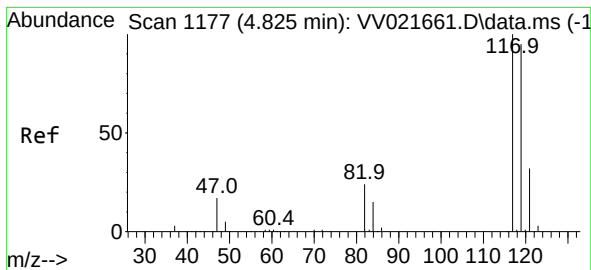
Ion Ratio Lower Upper

97 100

99 64.8 52.1 78.1

61 41.4 32.6 49.0

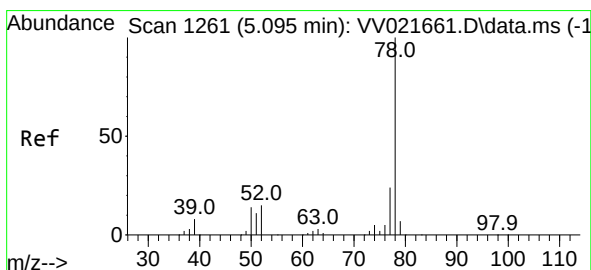
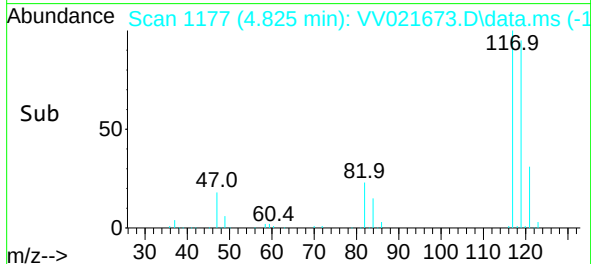
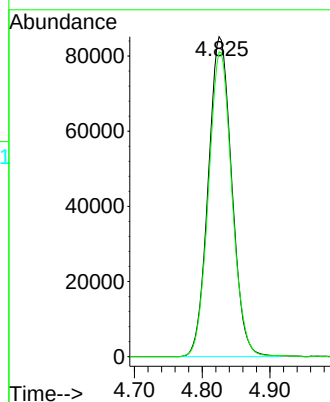
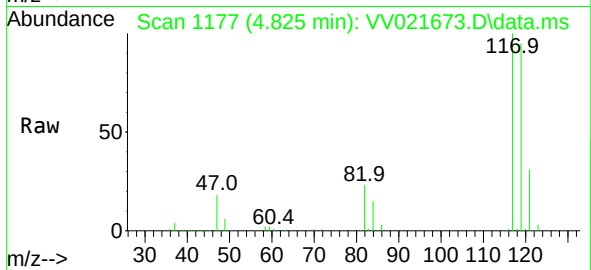




#31  
Carbon tetrachloride  
Concen: 45.461 ug/L  
RT: 4.825 min Scan# 1177  
Delta R.T. 0.000 min  
Lab File: VV021673.D  
Acq: 15 Jul 2021 16:34

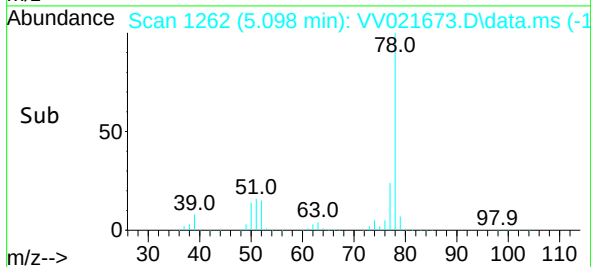
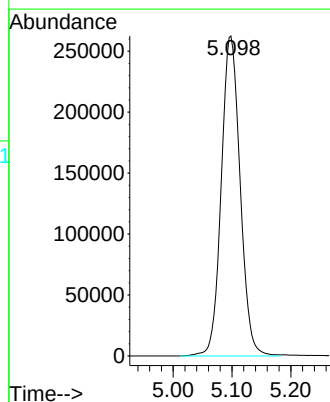
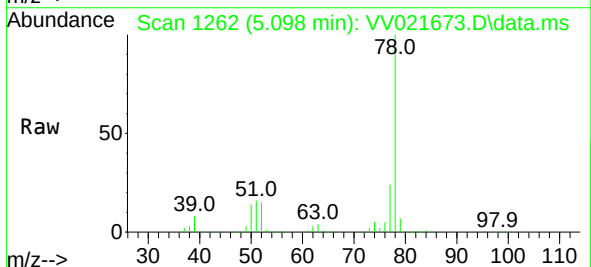
Instrument :  
MSVOA\_V  
ClientSampled :

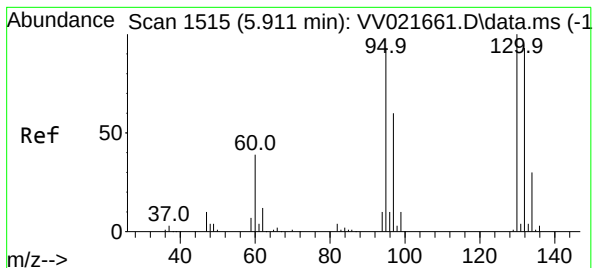
Tgt Ion:117 Resp: 205439  
Ion Ratio Lower Upper  
117 100  
119 95.0 76.5 114.7



#33  
Benzene  
Concen: 47.078 ug/L  
RT: 5.098 min Scan# 1262  
Delta R.T. 0.004 min  
Lab File: VV021673.D  
Acq: 15 Jul 2021 16:34

Tgt Ion: 78 Resp: 584757

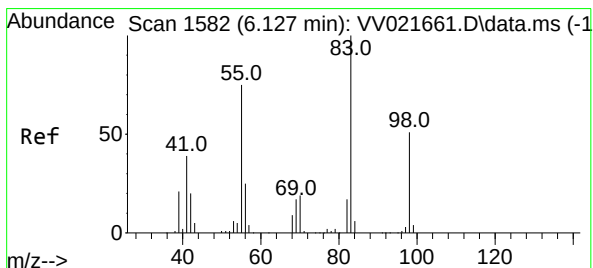
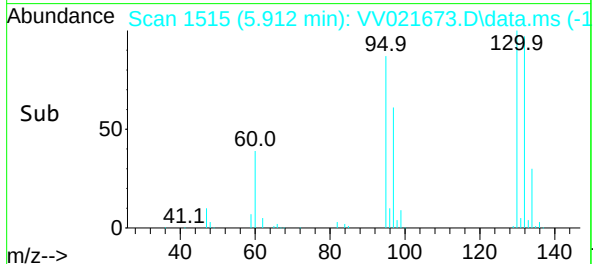
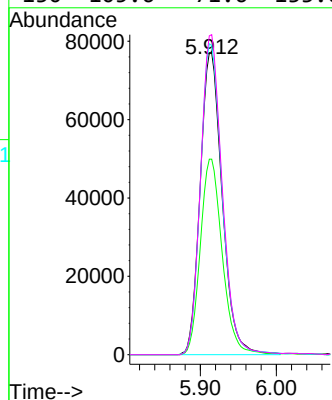
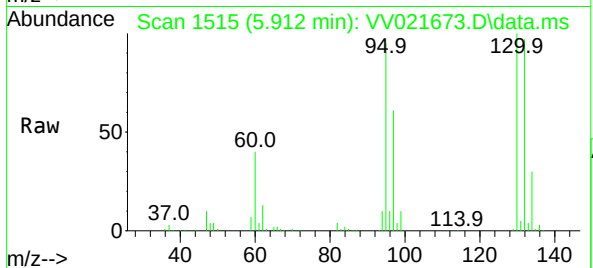




#34  
Trichloroethene  
Concen: 46.230 ug/L  
RT: 5.912 min Scan# 1515  
Delta R.T. 0.000 min  
Lab File: VV021673.D  
Acq: 15 Jul 2021 16:34

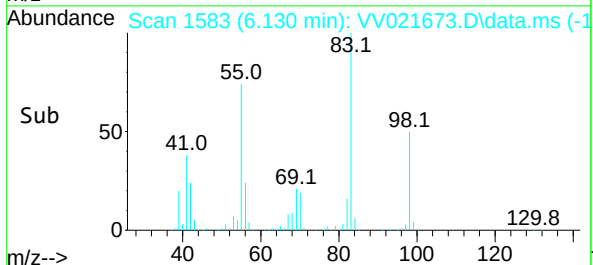
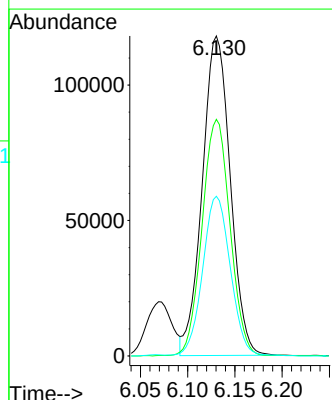
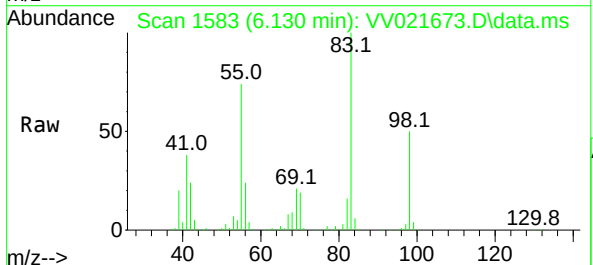
Instrument :  
MSVOA\_V  
ClientSampleId :

Tgt Ion: 95 Resp: 155221  
Ion Ratio Lower Upper  
95 100  
97 64.7 44.6 82.8  
132 102.9 69.0 128.1  
130 105.6 71.6 133.0

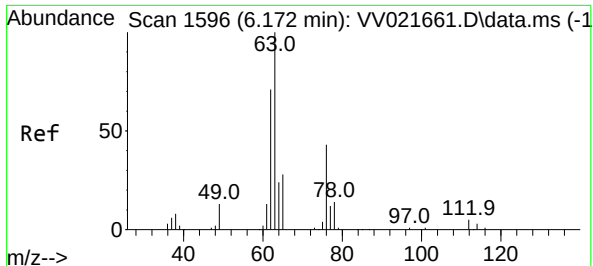


#35  
Methylcyclohexane  
Concen: 45.624 ug/L  
RT: 6.130 min Scan# 1583  
Delta R.T. 0.004 min  
Lab File: VV021673.D  
Acq: 15 Jul 2021 16:34

Tgt Ion: 83 Resp: 243200  
Ion Ratio Lower Upper  
83 100  
55 73.9 58.7 88.1  
98 49.4 39.7 59.5



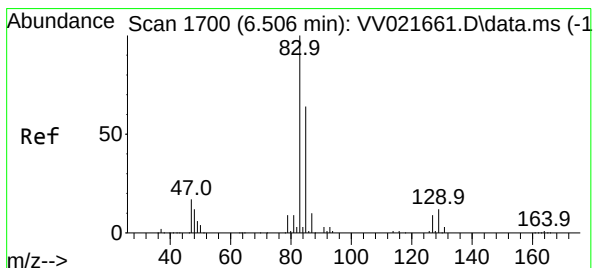
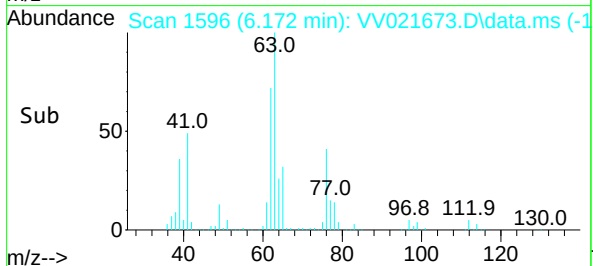
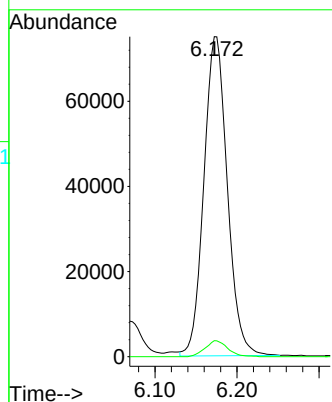
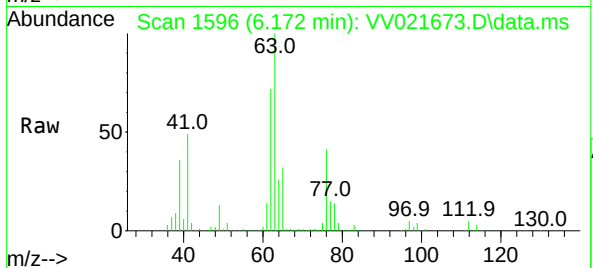




#37  
1,2-Dichloropropane  
Concen: 46.168 ug/L  
RT: 6.172 min Scan# 1596  
Delta R.T. 0.000 min  
Lab File: VV021673.D  
Acq: 15 Jul 2021 16:34

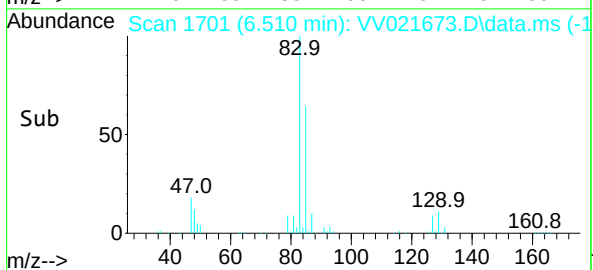
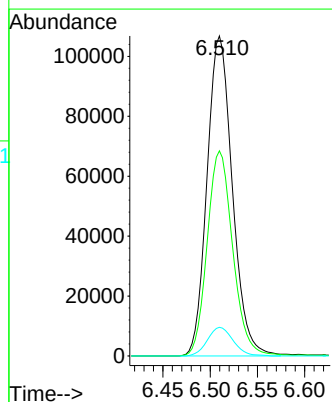
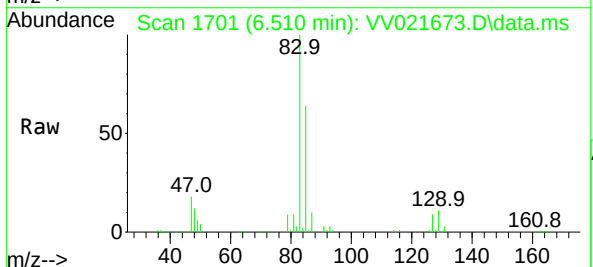
Instrument :  
MSVOA\_V  
ClientSampled :

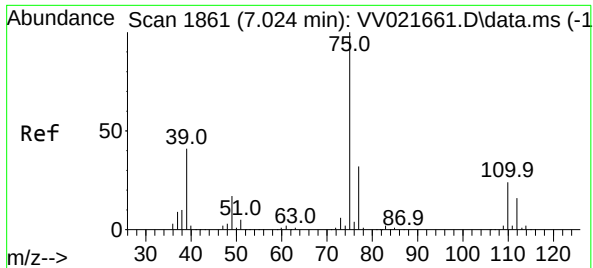
Tgt Ion: 63 Resp: 149056  
Ion Ratio Lower Upper  
63 100  
112 4.8 3.8 5.6



#38  
Bromodichloromethane  
Concen: 45.651 ug/L  
RT: 6.510 min Scan# 1701  
Delta R.T. 0.004 min  
Lab File: VV021673.D  
Acq: 15 Jul 2021 16:34

Tgt Ion: 83 Resp: 199183  
Ion Ratio Lower Upper  
83 100  
85 64.1 46.3 86.1  
127 8.9 7.3 10.9

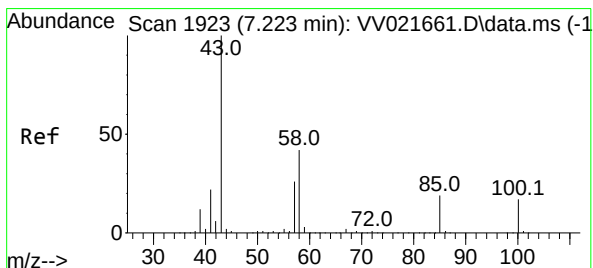
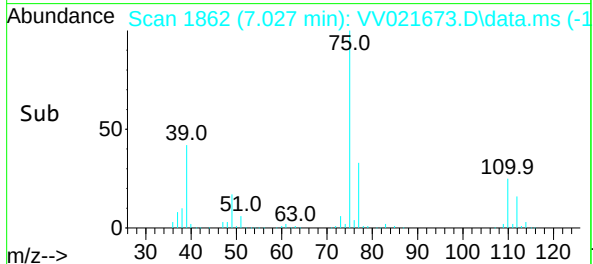
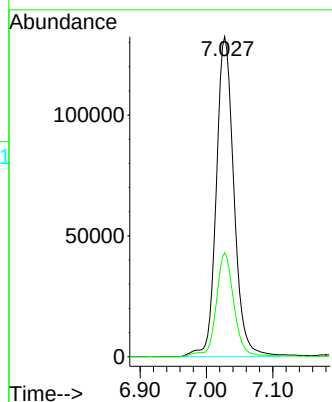
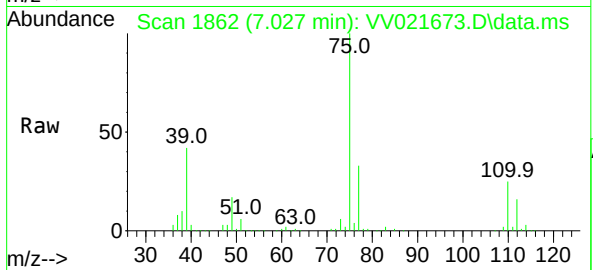




#39  
 cis-1,3-Dichloropropene  
 Concen: 46.092 ug/L  
 RT: 7.027 min Scan# 1862  
 Delta R.T. 0.004 min  
 Lab File: VV021673.D  
 Acq: 15 Jul 2021 16:34

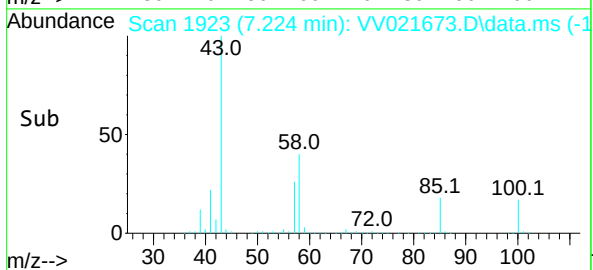
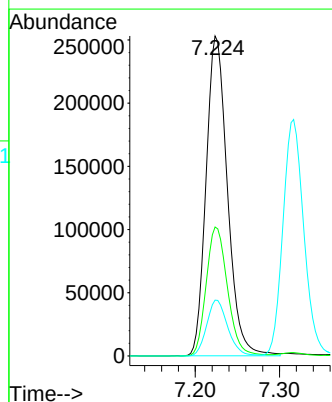
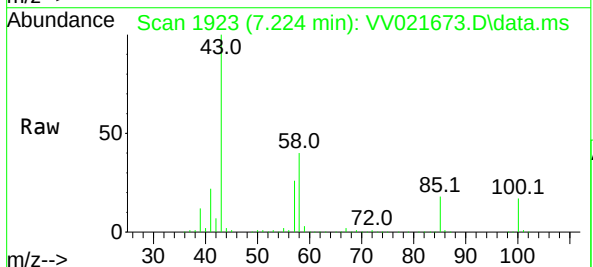
Instrument :  
 MSVOA\_V  
 ClientSampled :

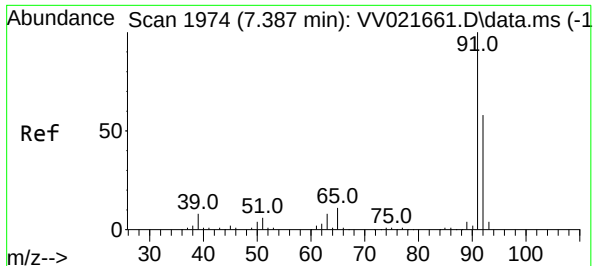
Tgt Ion: 75 Resp: 245400  
 Ion Ratio Lower Upper  
 75 100  
 77 32.5 22.5 41.7



#40  
 4-Methyl-2-pentanone  
 Concen: 94.113 ug/L  
 RT: 7.224 min Scan# 1923  
 Delta R.T. 0.000 min  
 Lab File: VV021673.D  
 Acq: 15 Jul 2021 16:34

Tgt Ion: 43 Resp: 446032  
 Ion Ratio Lower Upper  
 43 100  
 58 40.4 32.8 49.2  
 100 17.2 13.5 20.3





#42

Toluene

Concen: 47.566 ug/L

RT: 7.388 min Scan# 1974

Delta R.T. 0.000 min

Lab File: VV021673.D

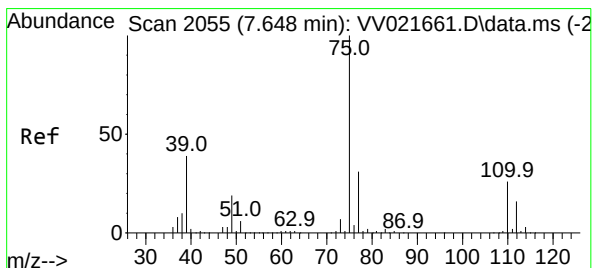
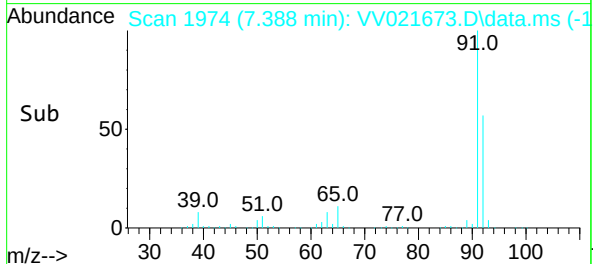
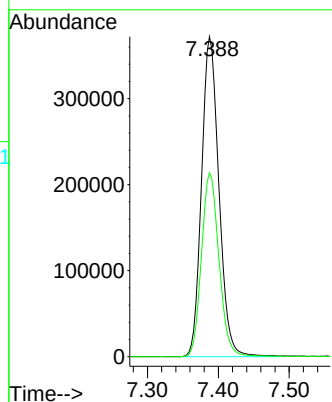
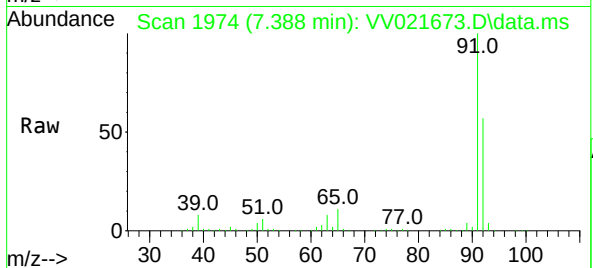
Acq: 15 Jul 2021 16:34

Tgt Ion: 91 Resp: 632833

Ion Ratio Lower Upper

91 100

92 57.5 40.6 75.4



#44

trans-1,3-Dichloropropene

Concen: 46.227 ug/L

RT: 7.651 min Scan# 2056

Delta R.T. 0.004 min

Lab File: VV021673.D

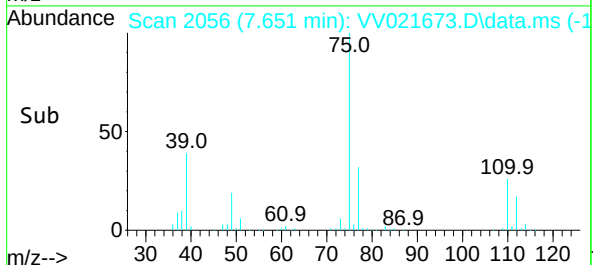
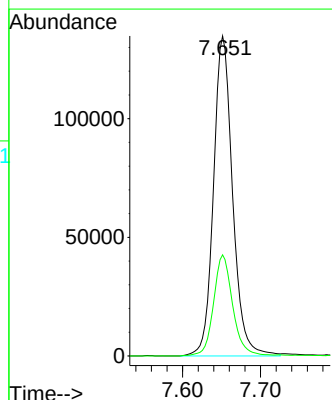
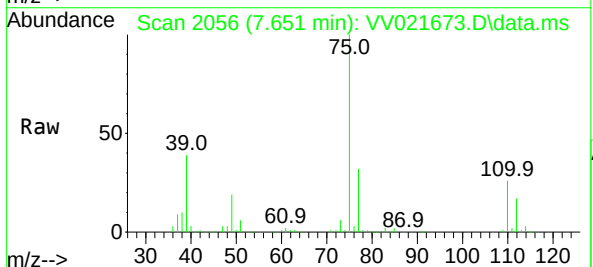
Acq: 15 Jul 2021 16:34

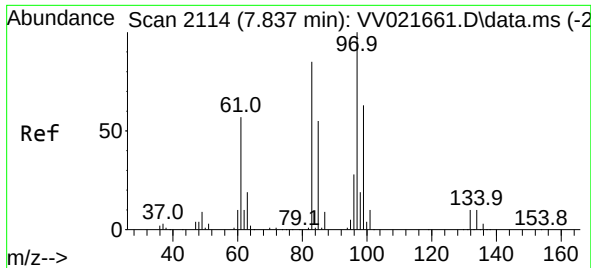
Tgt Ion: 75 Resp: 229839

Ion Ratio Lower Upper

75 100

77 31.6 21.8 40.4



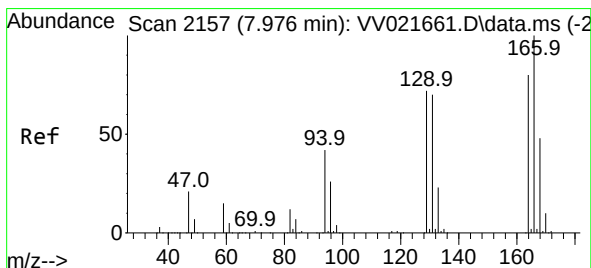
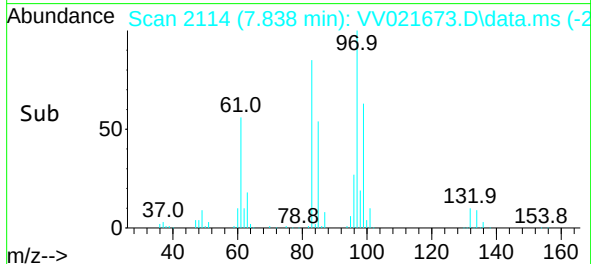
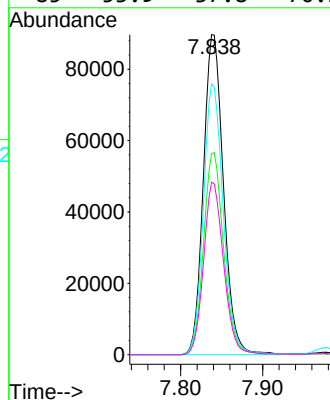
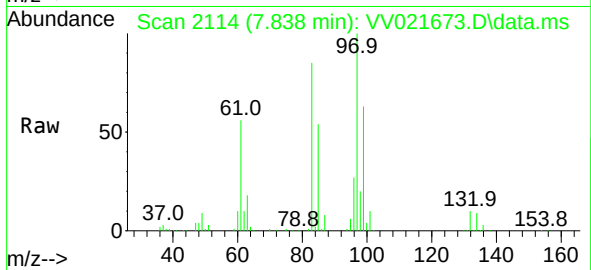


#45

1,1,2-Trichloroethane  
Concen: 48.113 ug/L  
RT: 7.838 min Scan# 2114  
Delta R.T. 0.000 min  
Lab File: VV021673.D  
Acq: 15 Jul 2021 16:34

Instrument :  
MSVOA\_V  
ClientSampleId :

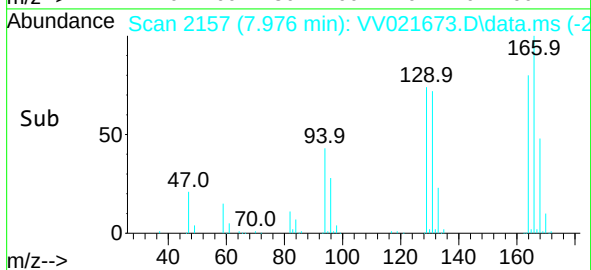
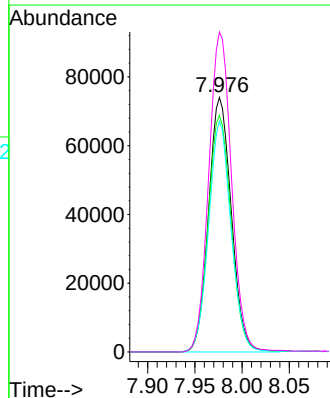
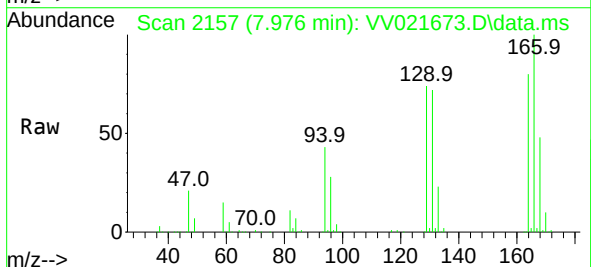
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 97    | Resp: | 152602 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 99       | 62.8  | 44.4  | 82.4   |
| 83       | 84.7  | 58.8  | 109.2  |
| 85       | 53.9  | 37.8  | 70.2   |

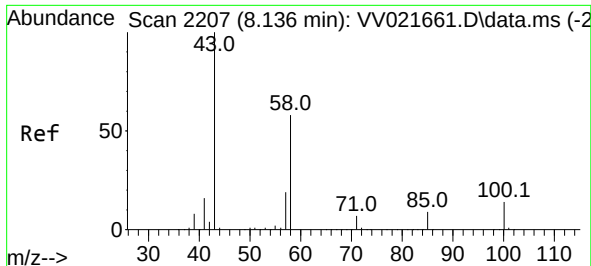


#46

Tetrachloroethene  
Concen: 46.494 ug/L  
RT: 7.976 min Scan# 2157  
Delta R.T. 0.000 min  
Lab File: VV021673.D  
Acq: 15 Jul 2021 16:34

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 164   | Resp: | 124156 |
| Ion      | Ratio | Lower | Upper  |
| 164      | 100   |       |        |
| 129      | 92.9  | 65.9  | 122.3  |
| 131      | 90.6  | 64.0  | 119.0  |
| 166      | 125.7 | 89.0  | 165.2  |

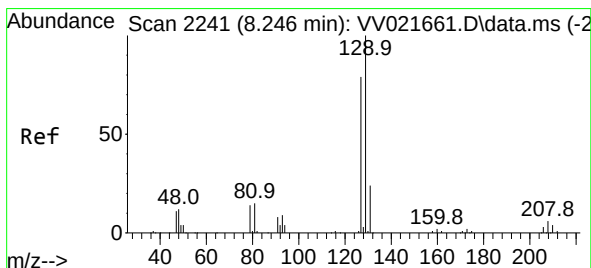
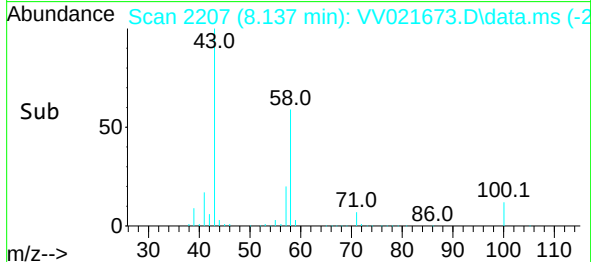
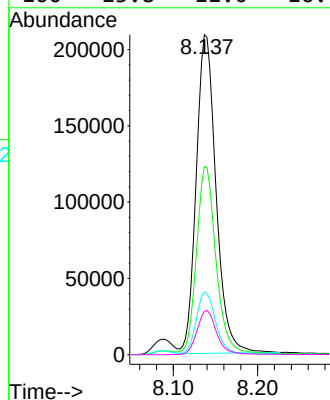
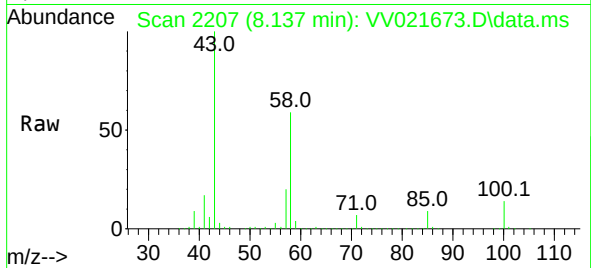




#48  
2-Hexanone  
Concen: 91.252 ug/L  
RT: 8.137 min Scan# 2207  
Delta R.T. 0.000 min  
Lab File: VV021673.D  
Acq: 15 Jul 2021 16:34

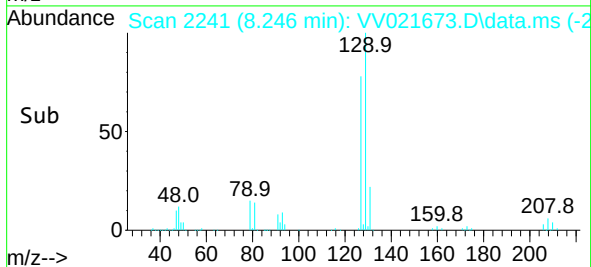
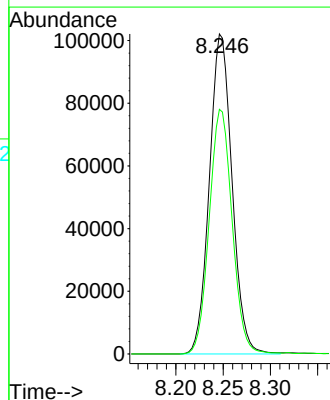
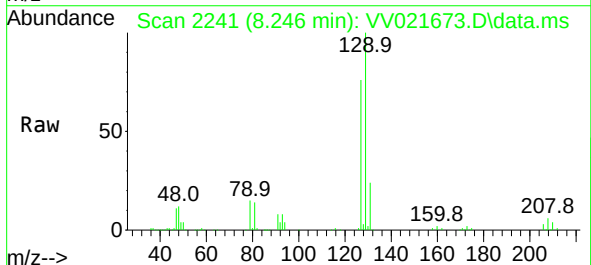
Instrument :  
MSVOA\_V  
ClientSampleId :

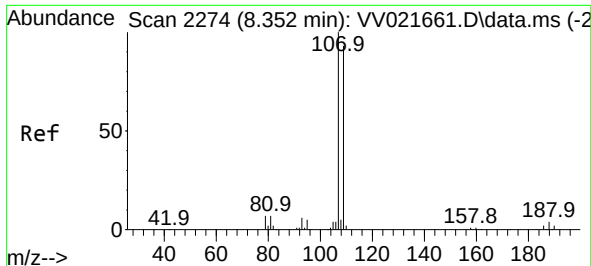
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 43    | Resp: | 341838 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 58       | 57.7  | 46.7  | 70.1   |
| 57       | 18.8  | 15.5  | 23.3   |
| 100      | 13.8  | 11.0  | 16.4   |



#49  
Dibromochloromethane  
Concen: 46.638 ug/L  
RT: 8.246 min Scan# 2241  
Delta R.T. 0.000 min  
Lab File: VV021673.D  
Acq: 15 Jul 2021 16:34

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 129   | Resp: | 170355 |
| Ion      | Ratio | Lower | Upper  |
| 129      | 100   |       |        |
| 127      | 76.5  | 53.1  | 98.7   |





#50

1,2-Dibromoethane

Concen: 46.641 ug/L

RT: 8.352 min Scan# 2274

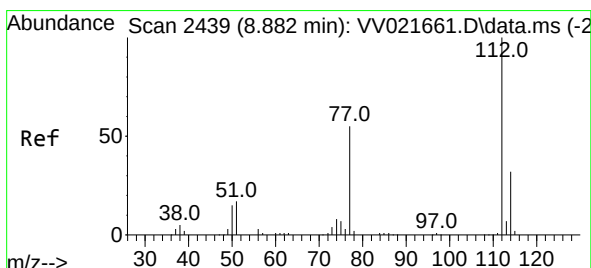
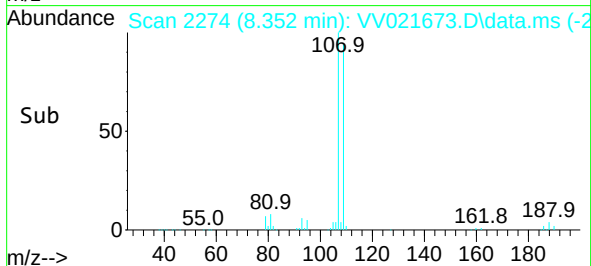
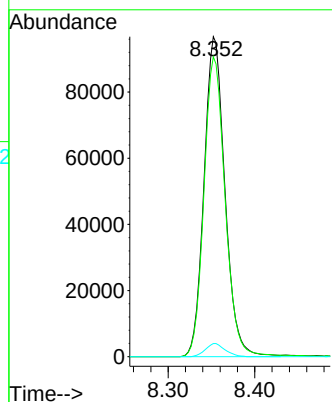
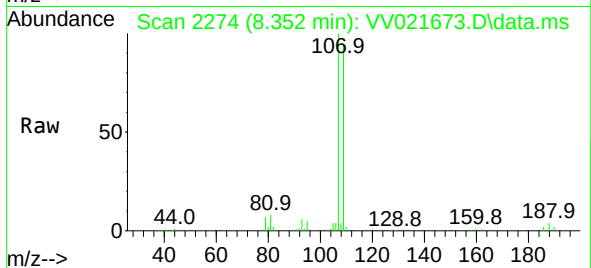
Delta R.T. 0.000 min

Lab File: VV021673.D

Acq: 15 Jul 2021 16:34

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 107   | Resp: | 162200 |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 109      | 93.7  | 65.8  | 122.2  |
| 188      | 4.1   | 3.1   | 4.7    |

Instrument :  
MSVOA\_V  
ClientSampleId :



#51

Chlorobenzene

Concen: 47.586 ug/L

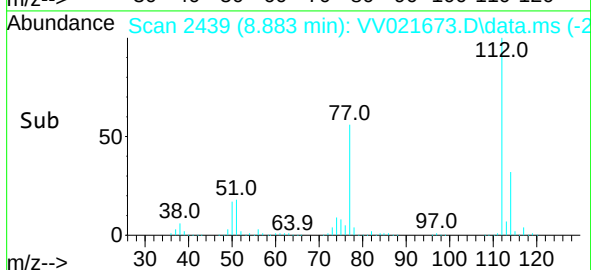
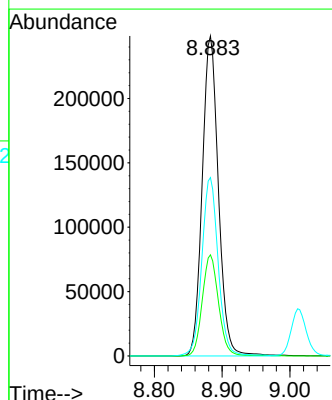
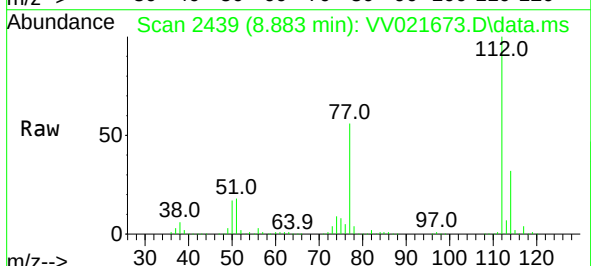
RT: 8.883 min Scan# 2439

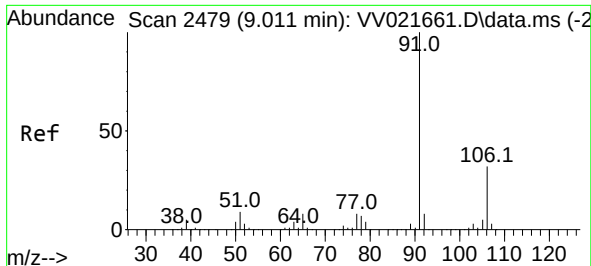
Delta R.T. 0.000 min

Lab File: VV021673.D

Acq: 15 Jul 2021 16:34

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 112   | Resp: | 411995 |
| Ion      | Ratio | Lower | Upper  |
| 112      | 100   |       |        |
| 114      | 31.6  | 21.9  | 40.7   |
| 77       | 55.7  | 44.0  | 66.0   |

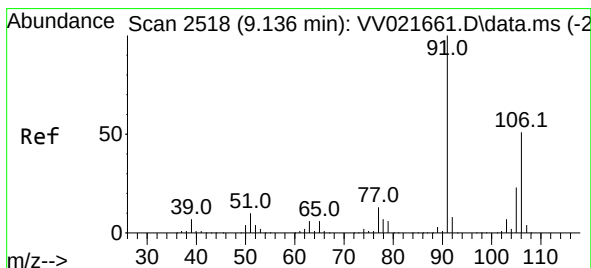
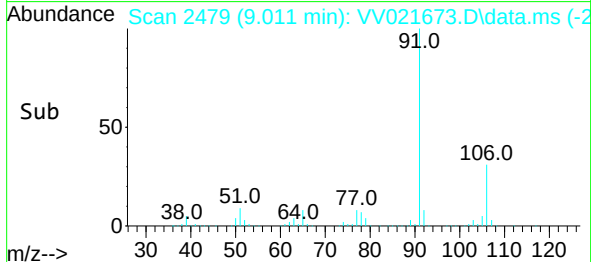
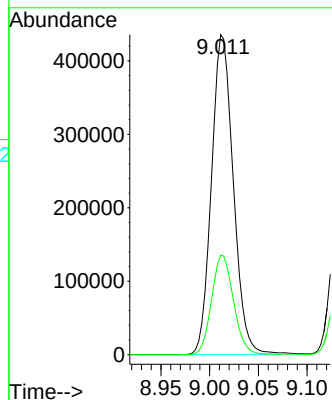
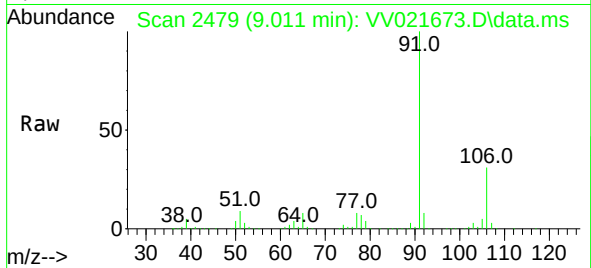




#52  
Ethylbenzene  
Concen: 47.030 ug/L  
RT: 9.011 min Scan# 2479  
Delta R.T. 0.000 min  
Lab File: VV021673.D  
Acq: 15 Jul 2021 16:34

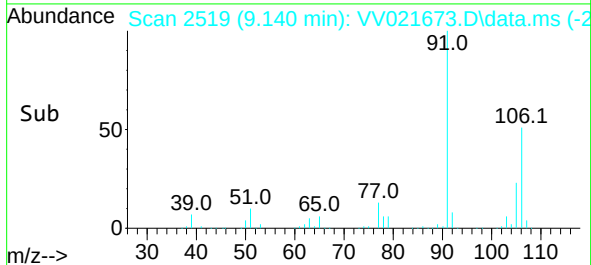
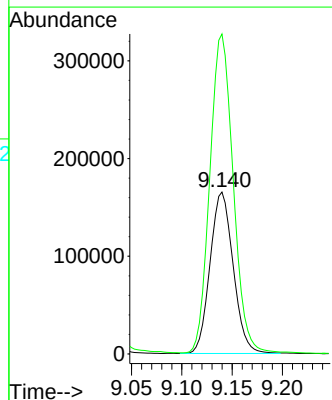
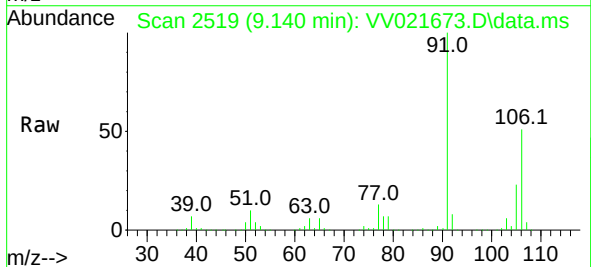
Instrument :  
MSVOA\_V  
ClientSampled :

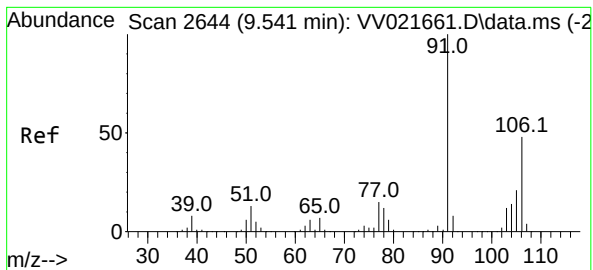
Tgt Ion: 91 Resp: 679773  
Ion Ratio Lower Upper  
91 100  
106 31.2 21.8 40.6



#53  
m,p-Xylene  
Concen: 47.754 ug/L  
RT: 9.140 min Scan# 2519  
Delta R.T. 0.004 min  
Lab File: VV021673.D  
Acq: 15 Jul 2021 16:34

Tgt Ion: 106 Resp: 264885  
Ion Ratio Lower Upper  
106 100  
91 197.6 138.7 257.5





#54

o-Xylene

Concen: 47.281 ug/L

RT: 9.545 min Scan# 2645

Delta R.T. 0.004 min

Lab File: VV021673.D

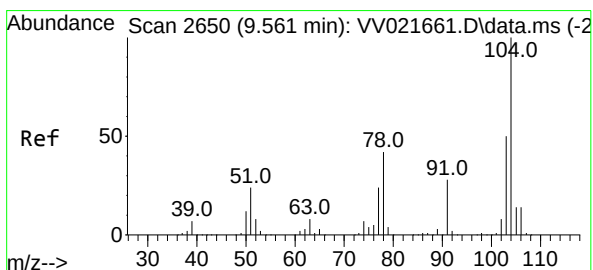
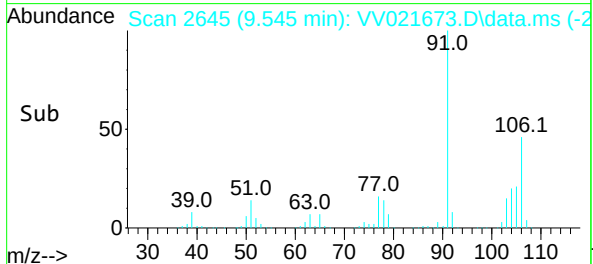
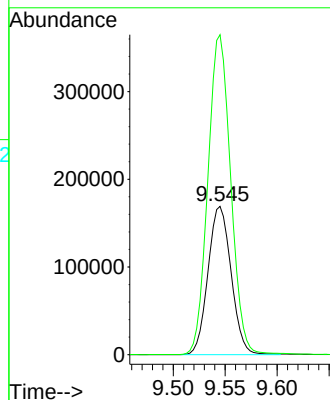
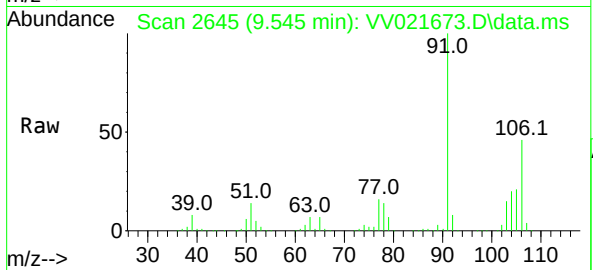
Acq: 15 Jul 2021 16:34

Tgt Ion:106 Resp: 261645

Ion Ratio Lower Upper

106 100

91 215.7 149.0 276.8



#55

Styrene

Concen: 48.369 ug/L

RT: 9.561 min Scan# 2650

Delta R.T. 0.000 min

Lab File: VV021673.D

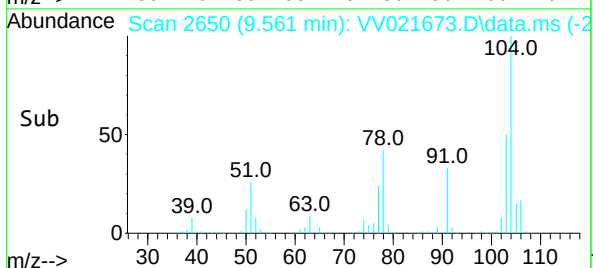
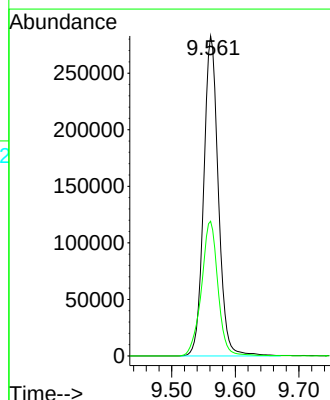
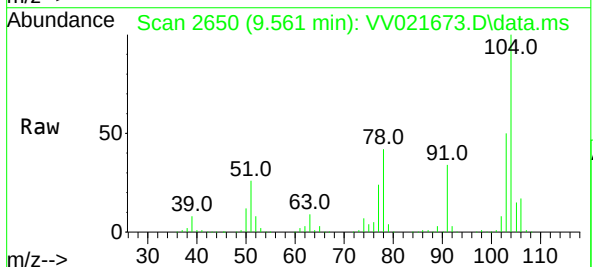
Acq: 15 Jul 2021 16:34

Tgt Ion:104 Resp: 452297

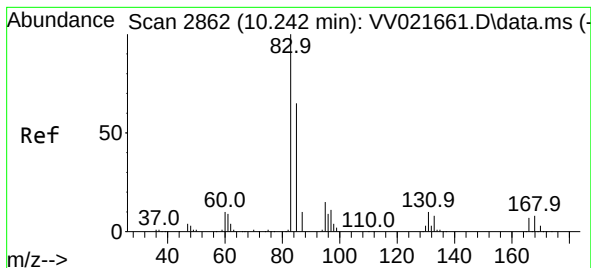
Ion Ratio Lower Upper

104 100

78 42.1 30.6 56.8



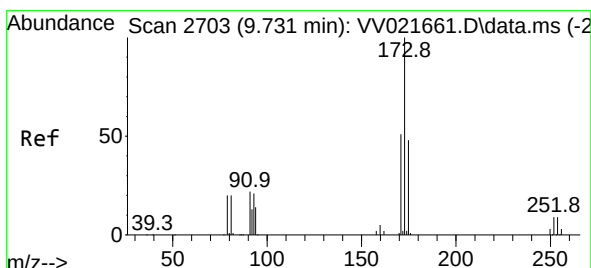
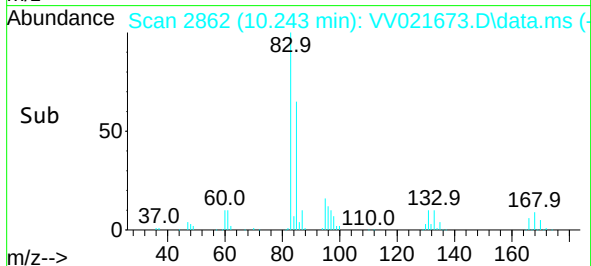
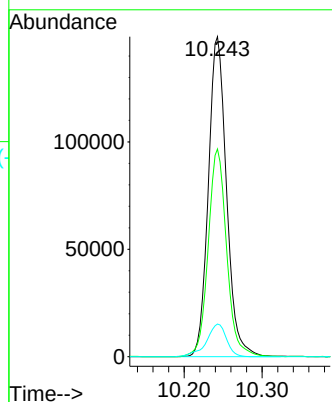
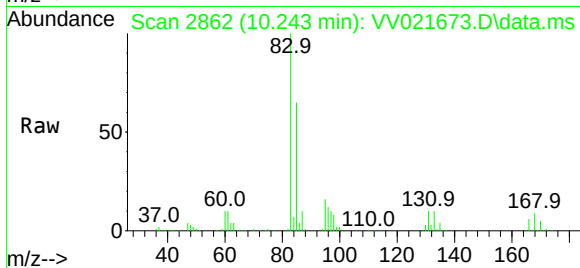




#57  
1,1,2,2-Tetrachloroethane  
Concen: 48.822 ug/L  
RT: 10.243 min Scan# 2862  
Delta R.T. 0.000 min  
Lab File: VV021673.D  
Acq: 15 Jul 2021 16:34

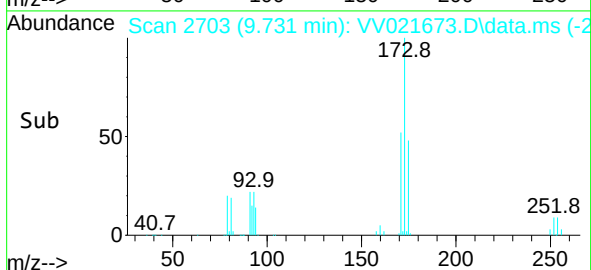
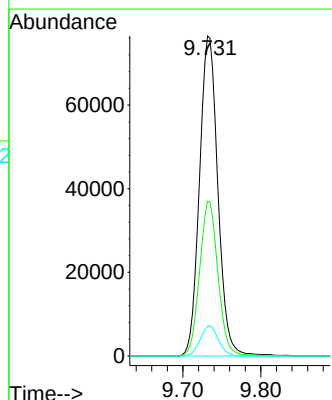
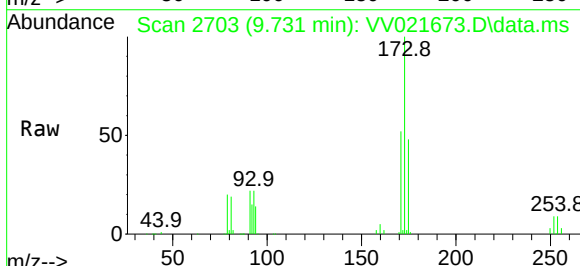
Instrument :  
MSVOA\_V  
ClientSampleId :

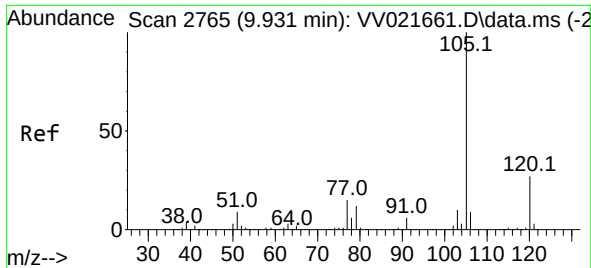
Tgt Ion: 83 Resp: 241384  
Ion Ratio Lower Upper  
83 100  
85 64.9 45.0 83.6  
131 10.2 8.4 12.6



#59  
Bromoform  
Concen: 44.368 ug/L  
RT: 9.731 min Scan# 2703  
Delta R.T. 0.000 min  
Lab File: VV021673.D  
Acq: 15 Jul 2021 16:34

Tgt Ion: 173 Resp: 125507  
Ion Ratio Lower Upper  
173 100  
175 48.1 39.0 58.6  
254 9.3 7.0 10.6

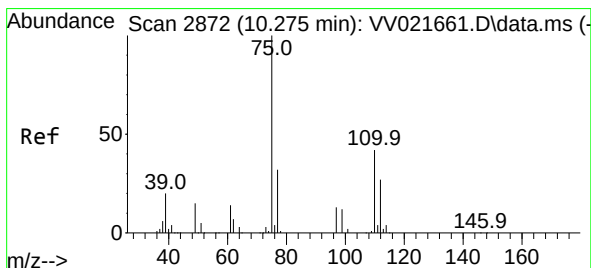
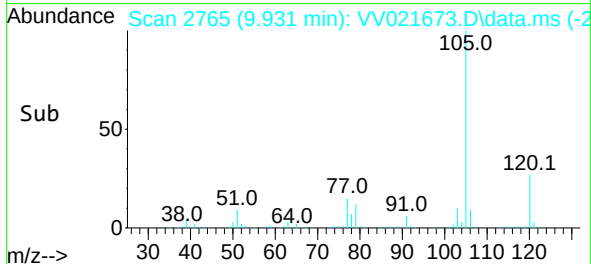
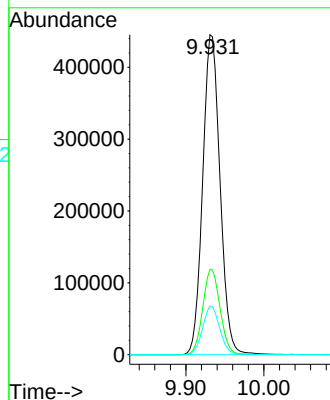
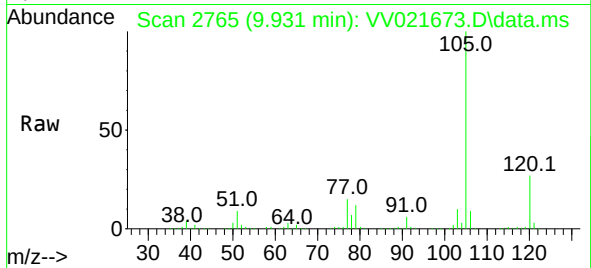




#60  
Isopropylbenzene  
Concen: 45.885 ug/L  
RT: 9.931 min Scan# 2765  
Delta R.T. 0.000 min  
Lab File: VV021673.D  
Acq: 15 Jul 2021 16:34

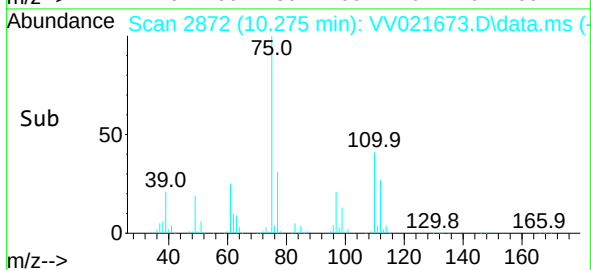
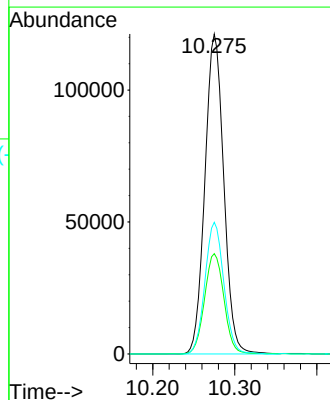
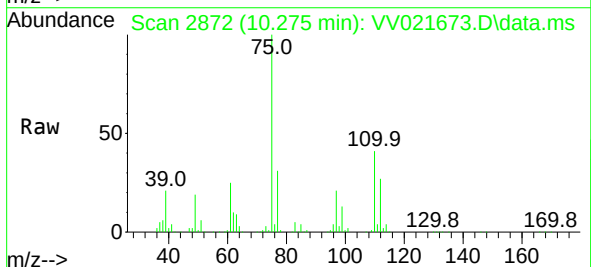
Instrument :  
MSVOA\_V  
ClientSampled :

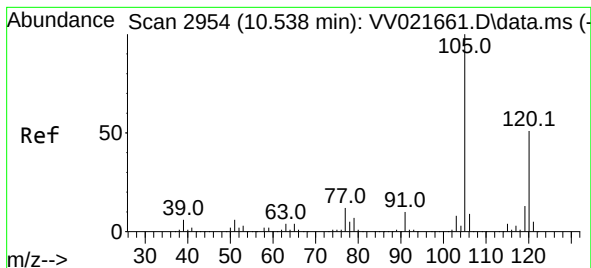
Tgt Ion:105 Resp: 688804  
Ion Ratio Lower Upper  
105 100  
120 26.7 21.5 32.3  
77 15.0 12.0 18.0



#61  
1,2,3-Trichloropropane  
Concen: 45.468 ug/L  
RT: 10.275 min Scan# 2872  
Delta R.T. 0.000 min  
Lab File: VV021673.D  
Acq: 15 Jul 2021 16:34

Tgt Ion: 75 Resp: 193442  
Ion Ratio Lower Upper  
75 100  
77 32.2 25.8 38.8  
110 41.3 33.0 49.6

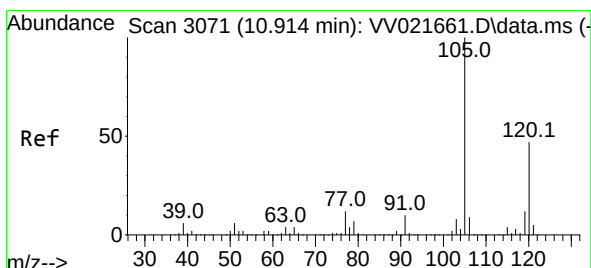
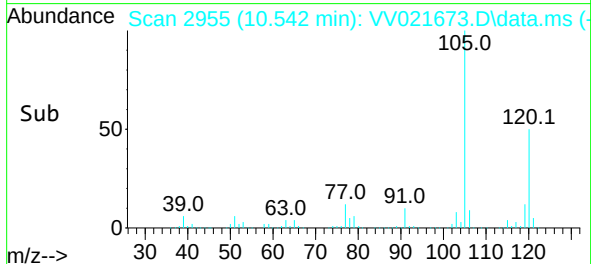
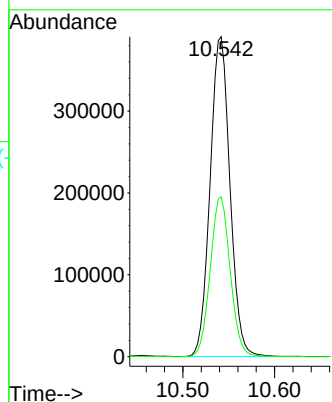
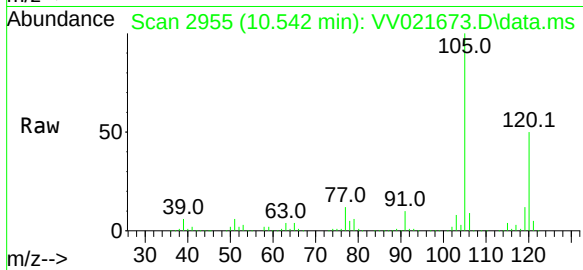




#62  
1,3,5-Trimethylbenzene  
Concen: 45.982 ug/L  
RT: 10.542 min Scan# 2955  
Delta R.T. 0.004 min  
Lab File: VV021673.D  
Acq: 15 Jul 2021 16:34

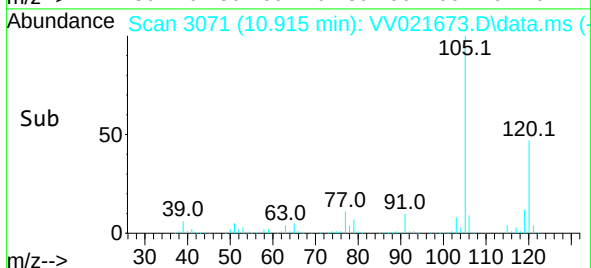
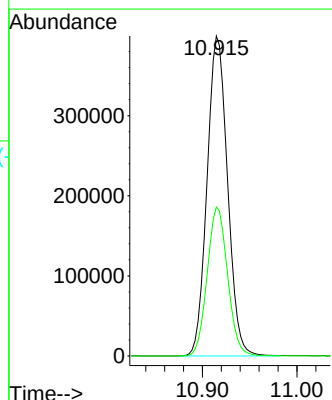
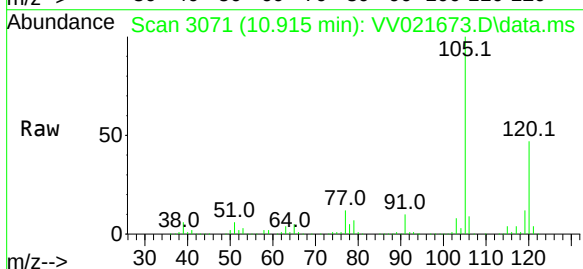
Instrument :  
MSVOA\_V  
ClientSampled :

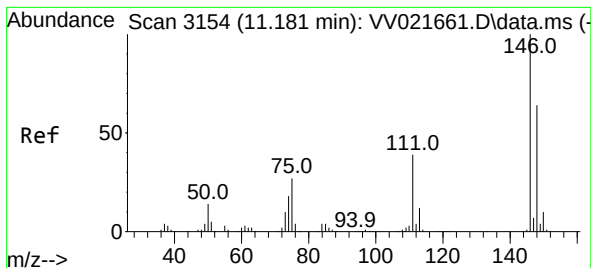
Tgt Ion:105 Resp: 588285  
Ion Ratio Lower Upper  
105 100  
120 50.2 40.0 60.0



#63  
1,2,4-Trimethylbenzene  
Concen: 46.475 ug/L  
RT: 10.915 min Scan# 3071  
Delta R.T. 0.000 min  
Lab File: VV021673.D  
Acq: 15 Jul 2021 16:34

Tgt Ion:105 Resp: 601715  
Ion Ratio Lower Upper  
105 100  
120 46.4 37.1 55.7





#64

1,3-Dichlorobenzene

Concen: 46.903 ug/L

RT: 11.182 min Scan# 3154

Delta R.T. 0.000 min

Lab File: VV021673.D

Acq: 15 Jul 2021 16:34

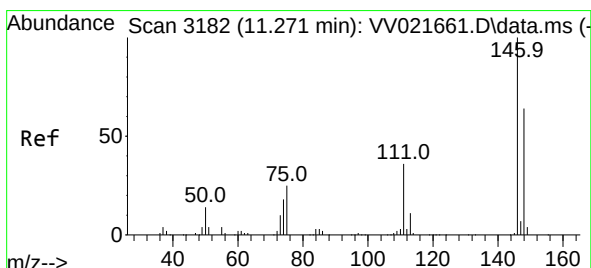
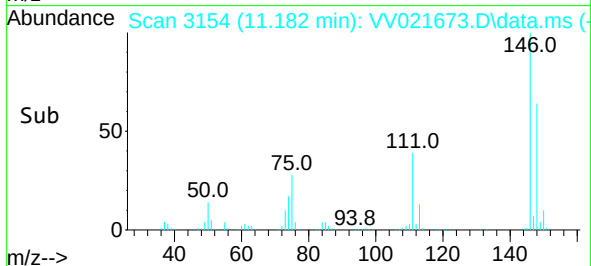
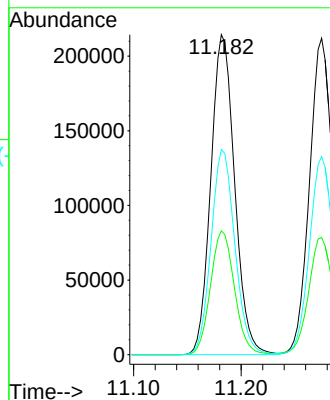
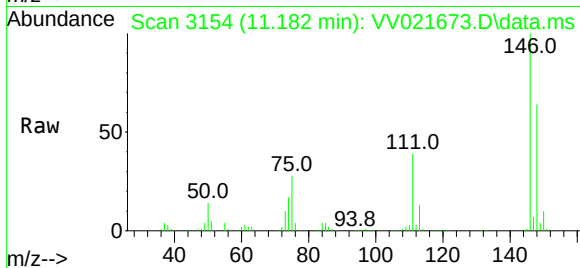
Tgt Ion:146 Resp: 331082

Ion Ratio Lower Upper

146 100

111 38.7 27.3 50.7

148 64.1 44.2 82.0



#65

1,4-Dichlorobenzene

Concen: 46.814 ug/L

RT: 11.275 min Scan# 3183

Delta R.T. 0.004 min

Lab File: VV021673.D

Acq: 15 Jul 2021 16:34

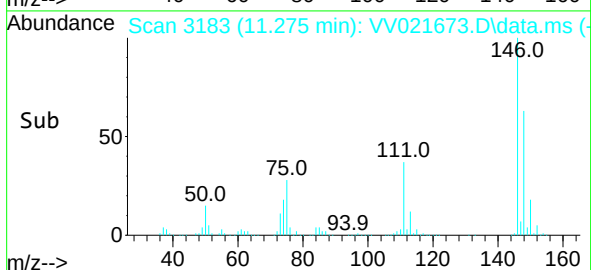
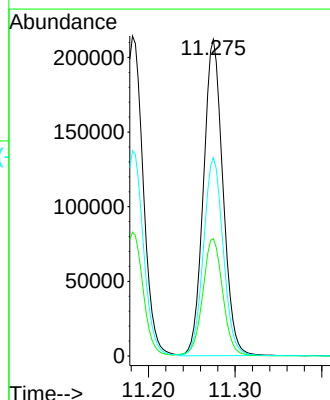
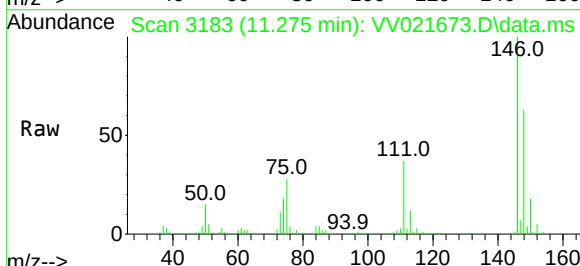
Tgt Ion:146 Resp: 330293

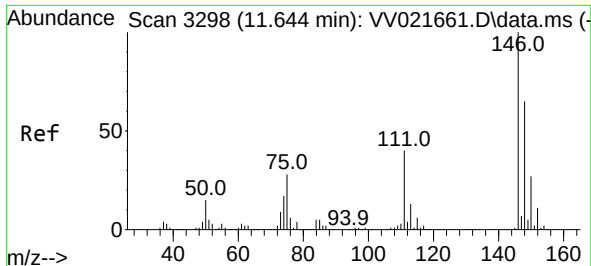
Ion Ratio Lower Upper

146 100

111 37.1 26.6 49.4

148 62.6 45.2 84.0

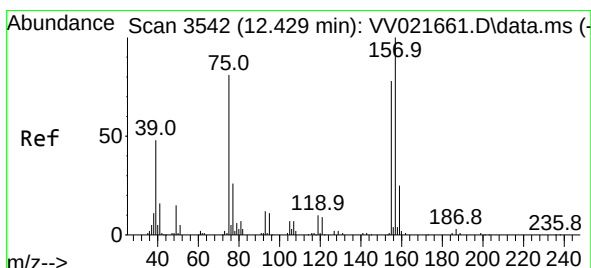
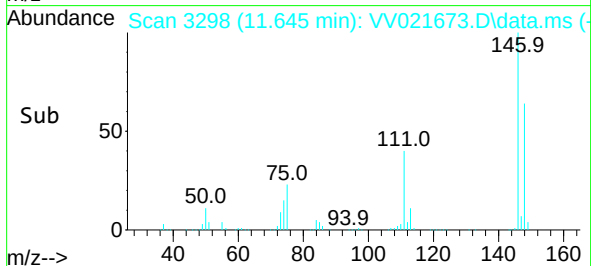
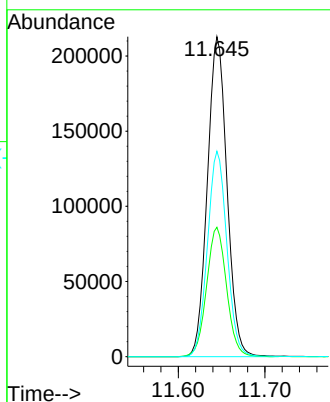
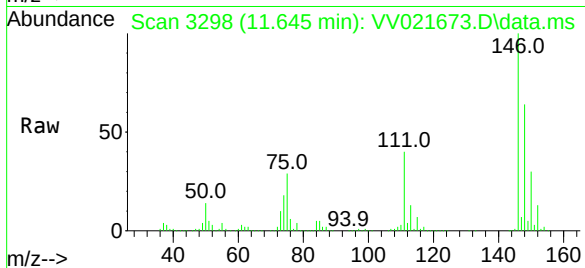




#67  
1,2-Dichlorobenzene  
Concen: 47.355 ug/L  
RT: 11.645 min Scan# 3298  
Delta R.T. 0.000 min  
Lab File: VV021673.D  
Acq: 15 Jul 2021 16:34

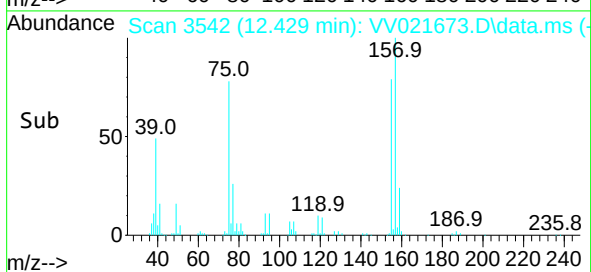
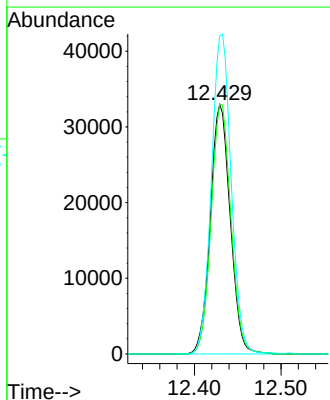
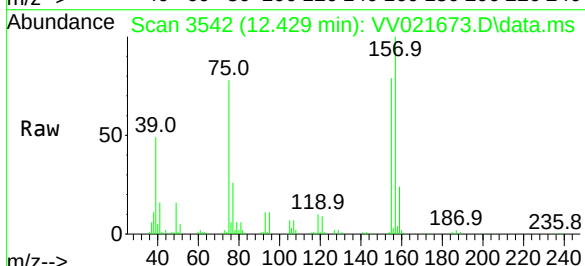
Instrument :  
MSVOA\_V  
ClientSampleId :

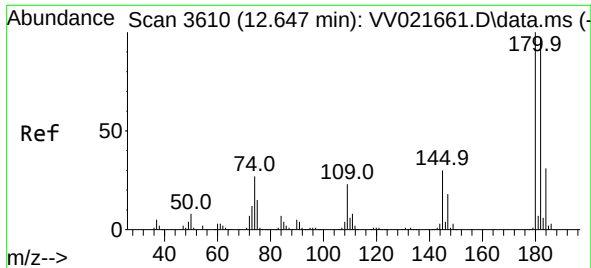
Tgt Ion:146 Resp: 334997  
Ion Ratio Lower Upper  
146 100  
111 40.5 32.6 48.8  
148 64.2 50.5 75.7



#68  
1,2-Dibromo-3-chloropropane  
Concen: 41.862 ug/L  
RT: 12.429 min Scan# 3542  
Delta R.T. 0.000 min  
Lab File: VV021673.D  
Acq: 15 Jul 2021 16:34

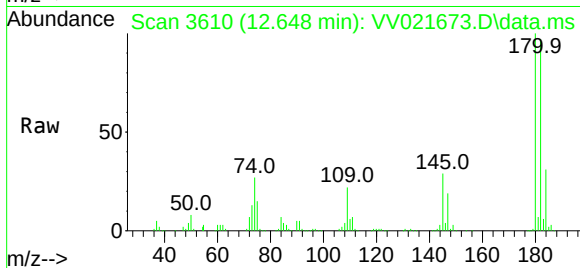
Tgt Ion: 75 Resp: 52799  
Ion Ratio Lower Upper  
75 100  
155 100.1 75.9 113.9  
157 127.5 96.7 145.1



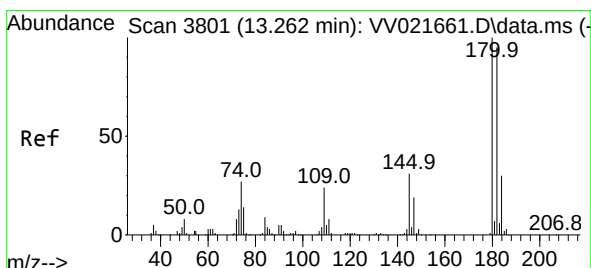
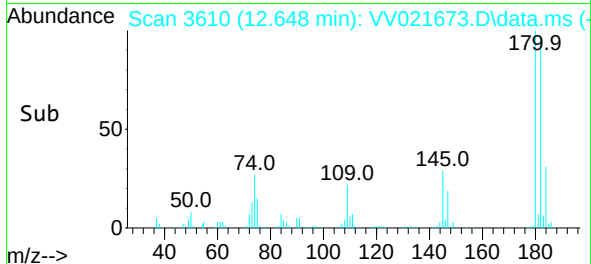
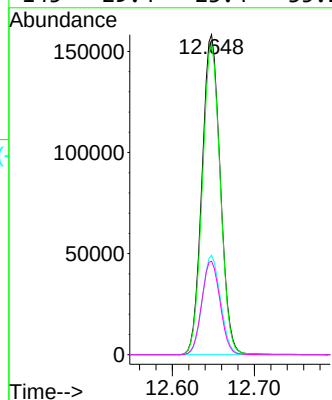


#69  
1,3,5-Trichlorobenzene  
Concen: 46.332 ug/L  
RT: 12.648 min Scan# 3610  
Delta R.T. 0.000 min  
Lab File: VV021673.D  
Acq: 15 Jul 2021 16:34

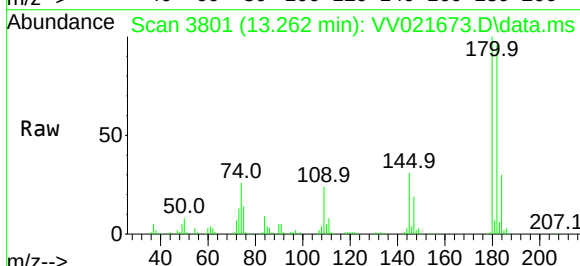
Instrument :  
MSVOA\_V  
ClientSampleId :



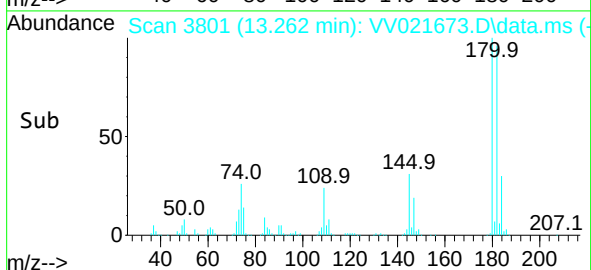
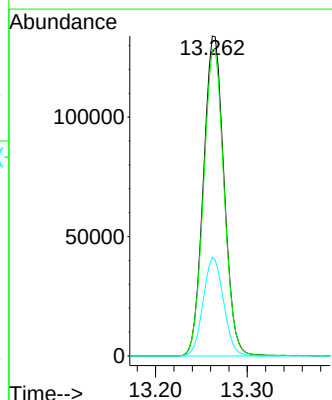
Tgt Ion:180 Resp: 244410  
Ion Ratio Lower Upper  
180 100  
182 95.4 75.0 112.4  
184 30.9 23.8 35.6  
145 29.4 23.4 35.2

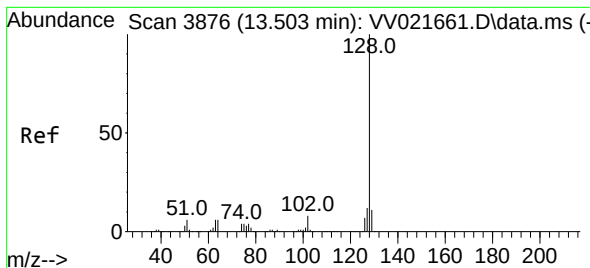


#70  
1,2,4-trichlorobenzene  
Concen: 46.097 ug/L  
RT: 13.262 min Scan# 3801  
Delta R.T. 0.000 min  
Lab File: VV021673.D  
Acq: 15 Jul 2021 16:34



Tgt Ion:180 Resp: 209128  
Ion Ratio Lower Upper  
180 100  
182 95.6 75.4 113.2  
145 30.5 24.1 36.1

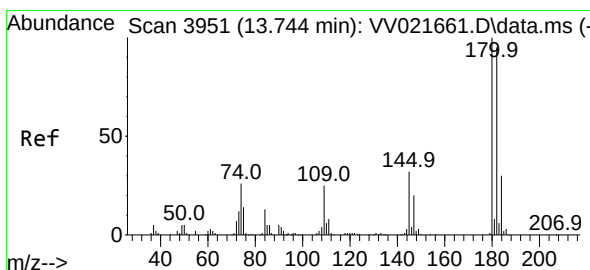
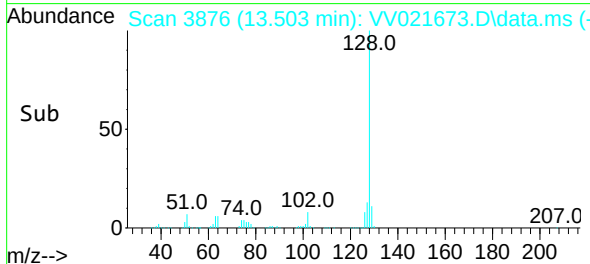
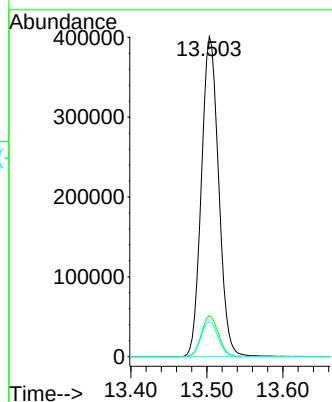
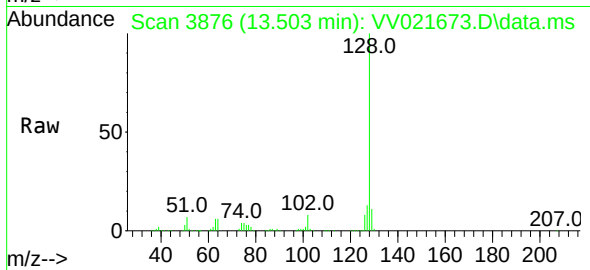




#71  
Naphthalene  
Concen: 45.744 ug/L  
RT: 13.503 min Scan# 3876  
Delta R.T. 0.000 min  
Lab File: VV021673.D  
Acq: 15 Jul 2021 16:34

Instrument :  
MSVOA\_V  
ClientSampleId :

Tgt Ion:128 Resp: 632035  
Ion Ratio Lower Upper  
128 100  
127 12.7 10.2 15.2  
129 10.9 8.6 13.0



#72  
1,2,3-Trichlorobenzene  
Concen: 46.886 ug/L  
RT: 13.747 min Scan# 3952  
Delta R.T. 0.004 min  
Lab File: VV021673.D  
Acq: 15 Jul 2021 16:34

Tgt Ion:180 Resp: 210088  
Ion Ratio Lower Upper  
180 100  
182 95.6 75.8 113.6  
145 32.3 25.7 38.5

