

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW062921\  
 Data File : VW021571.D  
 Acq On : 29 Jun 2021 09:55  
 Operator : SY/MD  
 Sample : VSTD00566  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Jun 30 03:56:14 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM062921WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Jun 30 03:55:26 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Difluorobenzene        | 5.613  | 114  | 491626   | 50.000 | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.850  | 117  | 454255   | 50.000 | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.249 | 152  | 229180   | 50.000 | ug/L   | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 4) Vinyl Chloride-d3          | 1.304  | 65   | 16225    | 5.040  | ug/L   | 0.00     |
| 7) Chloroethane-d5            | 1.564  | 69   | 13361    | 5.458  | ug/L   | 0.00     |
| 11) 1,1-Dichloroethene-d2     | 2.105  | 63   | 30253    | 5.413  | ug/L   | 0.00     |
| 21) 2-Butanone-d5             | 3.912  | 46   | 22956    | 9.533  | ug/L   | 0.01     |
| 24) Chloroform-d              | 4.349  | 84   | 33211    | 5.125  | ug/L   | 0.00     |
| 26) 1,2-Dichloroethane-d4     | 5.034  | 65   | 19244    | 5.129  | ug/L   | 0.00     |
| 32) Benzene-d6                | 5.050  | 84   | 66032    | 5.190  | ug/L   | 0.00     |
| 36) 1,2-Dichloropropane-d6    | 6.072  | 67   | 21043    | 5.350  | ug/L   | 0.00     |
| 41) Toluene-d8                | 7.317  | 98   | 60731    | 5.044  | ug/L   | 0.00     |
| 43) trans-1,3-Dichloroprop... | 7.629  | 79   | 9995     | 4.810  | ug/L   | 0.00     |
| 47) 2-Hexanone-d5             | 8.095  | 63   | 14784    | 8.108  | ug/L   | 0.00     |
| 56) 1,1,2,2-Tetrachloroeth... | 10.217 | 84   | 26124    | 4.793  | ug/L   | 0.00     |
| 66) 1,2-Dichlorobenzene-d4    | 11.628 | 152  | 23119    | 4.882  | ug/L   | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        |        | Qvalue   |
| 2) Dichlorodifluoromethane    | 1.127  | 85   | 23732    | 6.602  | ug/L   | 100      |
| 3) Chloromethane              | 1.240  | 50   | 23112    | 6.521  | ug/L   | 99       |
| 5) Vinyl chloride             | 1.307  | 62   | 22203    | 6.183  | ug/L   | 95       |
| 6) Bromomethane               | 1.519  | 94   | 14386    | 5.888  | ug/L   | 95       |
| 8) Chloroethane               | 1.581  | 64   | 12735    | 6.179  | ug/L   | 99       |
| 9) Trichlorofluoromethane     | 1.748  | 101  | 28775    | 5.573  | ug/L   | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.114  | 101  | 16300    | 5.424  | ug/L   | 96       |
| 12) 1,1-Dichloroethene        | 2.114  | 96   | 15153    | 5.247  | ug/L   | 96       |
| 13) Acetone                   | 2.179  | 43   | 29729    | 14.341 | ug/L # | 100      |
| 14) Carbon disulfide          | 2.291  | 76   | 54488    | 5.873  | ug/L   | 98       |
| 15) Methyl Acetate            | 2.436  | 43   | 20081    | 5.602  | ug/L   | 99       |
| 16) Methylene chloride        | 2.503  | 84   | 22466    | 6.135  | ug/L   | 97       |
| 17) trans-1,2-Dichloroethene  | 2.761  | 96   | 18189    | 5.468  | ug/L   | 99       |
| 18) Methyl tert-butyl Ether   | 2.764  | 73   | 58403    | 5.498  | ug/L   | 98       |
| 19) 1,1-Dichloroethane        | 3.188  | 63   | 33392    | 5.630  | ug/L   | 97       |
| 20) cis-1,2-Dichloroethene    | 3.912  | 96   | 20137    | 5.403  | ug/L   | 98       |
| 23) Bromochloromethane        | 4.249  | 128  | 10645    | 5.214  | ug/L   | 95       |
| 25) Chloroform                | 4.375  | 83   | 34096    | 5.558  | ug/L   | 98       |
| 27) 1,2-Dichloroethane        | 5.133  | 62   | 24559    | 5.740  | ug/L   | 97       |
| 29) Cyclohexane               | 4.674  | 56   | 31284    | 5.831  | ug/L   | 97       |
| 30) 1,1,1-Trichloroethane     | 4.606  | 97   | 31088    | 5.529  | ug/L   | 98       |
| 31) Carbon tetrachloride      | 4.825  | 117  | 27365    | 5.387  | ug/L   | 100      |
| 33) Benzene                   | 5.098  | 78   | 73439    | 5.568  | ug/L   | 100      |
| 34) Trichloroethene           | 5.915  | 95   | 20765    | 5.825  | ug/L   | 99       |
| 35) Methylcyclohexane         | 6.130  | 83   | 33108    | 5.778  | ug/L   | 96       |
| 37) 1,2-Dichloropropane       | 6.172  | 63   | 19823    | 5.902  | ug/L   | 98       |
| 38) Bromodichloromethane      | 6.513  | 83   | 26095    | 5.565  | ug/L   | 96       |
| 39) cis-1,3-Dichloropropene   | 7.030  | 75   | 31948    | 5.674  | ug/L   | 96       |
| 40) 4-Methyl-2-pentanone      | 7.230  | 43   | 52467    | 11.289 | ug/L   | 99       |
| 42) Toluene                   | 7.387  | 91   | 79502    | 5.477  | ug/L   | 99       |
| 44) trans-1,3-Dichloropropene | 7.654  | 75   | 28226    | 5.289  | ug/L   | 99       |
| 45) 1,1,2-Trichloroethane     | 7.841  | 97   | 19023    | 5.610  | ug/L   | 98       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV062921\  
 Data File : VV021571.D  
 Acq On : 29 Jun 2021 09:55  
 Operator : SY/MD  
 Sample : VSTD00566  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 2 Sample Multiplier: 1

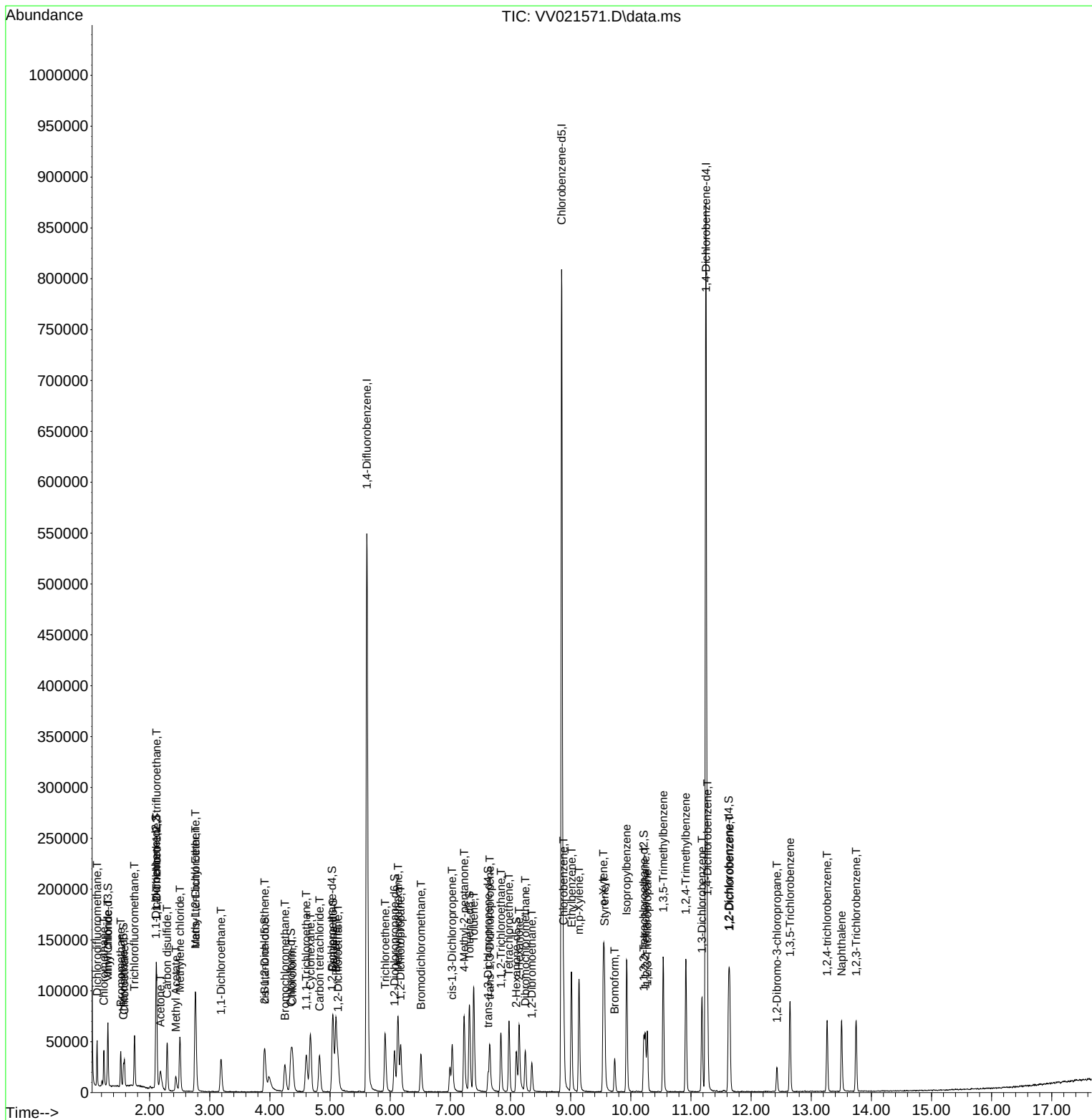
Instrument :  
 MSVOA\_V  
 ClientSampleId :

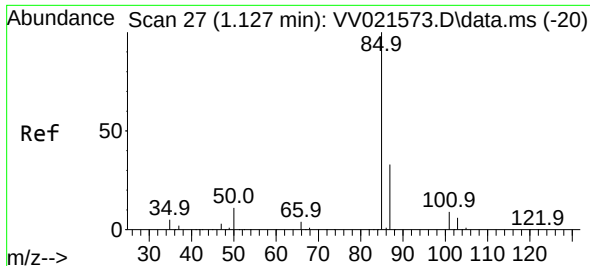
Quant Time: Jun 30 03:56:14 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM062921WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Jun 30 03:55:26 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 46) Tetrachloroethene         | 7.976  | 164  | 16633    | 5.216  | ug/L   | 97       |
| 48) 2-Hexanone                | 8.143  | 43   | 45220    | 12.646 | ug/L   | 97       |
| 49) Dibromochloromethane      | 8.246  | 129  | 21024    | 5.015  | ug/L   | 99       |
| 50) 1,2-Dibromoethane         | 8.355  | 107  | 20175    | 5.395  | ug/L # | 100      |
| 51) Chlorobenzene             | 8.883  | 112  | 52014    | 5.441  | ug/L   | 96       |
| 52) Ethylbenzene              | 9.014  | 91   | 86474    | 5.440  | ug/L   | 98       |
| 53) m,p-Xylene                | 9.140  | 106  | 32516    | 5.326  | ug/L   | 95       |
| 54) o-Xylene                  | 9.545  | 106  | 32516    | 5.380  | ug/L   | 99       |
| 55) Styrene                   | 9.564  | 104  | 54100    | 5.220  | ug/L   | 98       |
| 57) 1,1,2,2-Tetrachloroethane | 10.243 | 83   | 27219    | 5.112  | ug/L   | 97       |
| 59) Bromoform                 | 9.731  | 173  | 14814    | 4.821  | ug/L   | 99       |
| 60) Isopropylbenzene          | 9.931  | 105  | 85370    | 5.895  | ug/L   | 99       |
| 61) 1,2,3-Trichloropropane    | 10.275 | 75   | 23935    | 6.367  | ug/L   | 99       |
| 62) 1,3,5-Trimethylbenzene    | 10.538 | 105  | 72480    | 5.823  | ug/L   | 99       |
| 63) 1,2,4-Trimethylbenzene    | 10.915 | 105  | 73118    | 5.816  | ug/L   | 98       |
| 64) 1,3-Dichlorobenzene       | 11.185 | 146  | 39988    | 5.555  | ug/L   | 98       |
| 65) 1,4-Dichlorobenzene       | 11.275 | 146  | 40105    | 5.519  | ug/L   | 97       |
| 67) 1,2-Dichlorobenzene       | 11.644 | 146  | 39138    | 5.409  | ug/L   | 98       |
| 68) 1,2-Dibromo-3-chloropr... | 12.429 | 75   | 6093     | 5.214  | ug/L   | 88       |
| 69) 1,3,5-Trichlorobenzene    | 12.648 | 180  | 28043    | 4.716  | ug/L   | 98       |
| 70) 1,2,4-trichlorobenzene    | 13.265 | 180  | 21495    | 4.074  | ug/L   | 99       |
| 71) Naphthalene               | 13.506 | 128  | 55499    | 3.741  | ug/L   | 99       |
| 72) 1,2,3-Trichlorobenzene    | 13.747 | 180  | 21039    | 4.080  | ug/L   | 98       |

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

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM062921WMA.M  
Quant Title : VOC Analysis  
QLast Update : Wed Jun 30 03:55:26 2021  
Response via : Initial Calibration

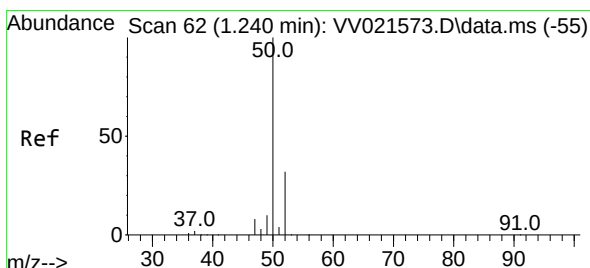
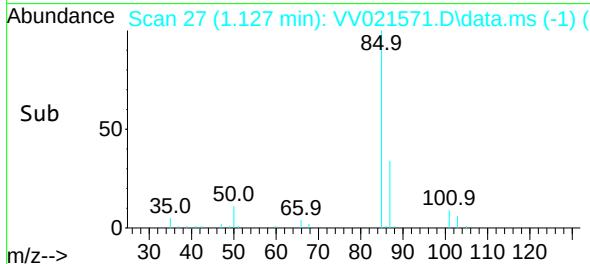
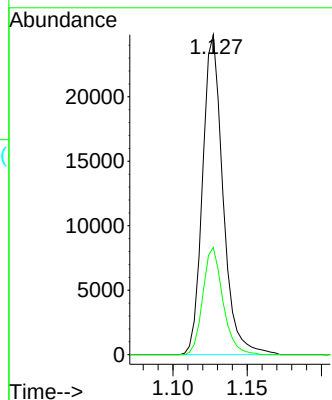
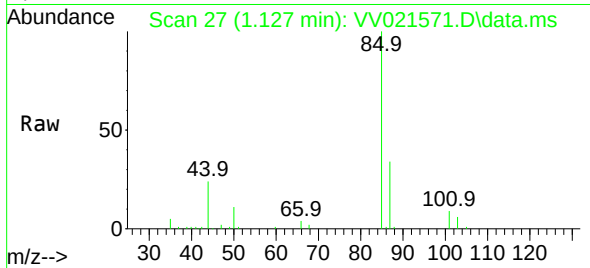




#2  
Dichlorodifluoromethane  
Concen: 6.602 ug/L  
RT: 1.127 min Scan# 27  
Delta R.T. 0.000 min  
Lab File: VV021571.D  
Acq: 29 Jun 2021 09:55

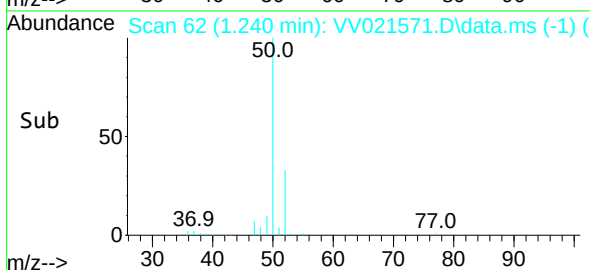
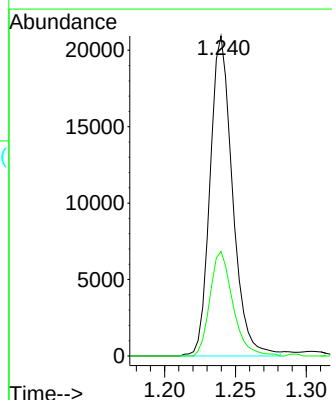
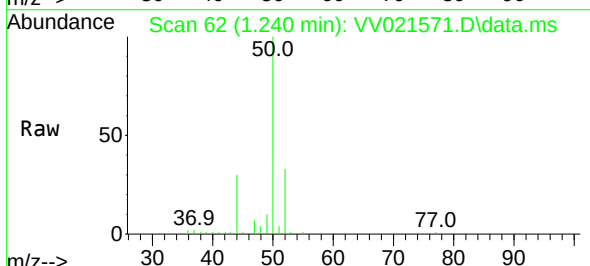
Instrument :  
MSVOA\_V  
ClientSampled :

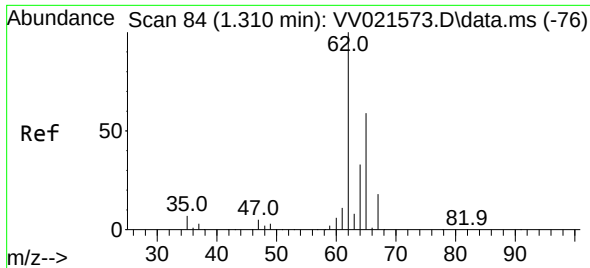
Tgt Ion: 85 Resp: 23732  
Ion Ratio Lower Upper  
85 100  
87 32.9 26.1 39.1



#3  
Chloromethane  
Concen: 6.521 ug/L  
RT: 1.240 min Scan# 62  
Delta R.T. 0.000 min  
Lab File: VV021571.D  
Acq: 29 Jun 2021 09:55

Tgt Ion: 50 Resp: 23112  
Ion Ratio Lower Upper  
50 100  
52 32.7 22.3 41.5

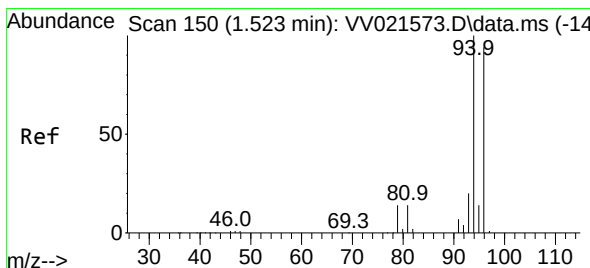
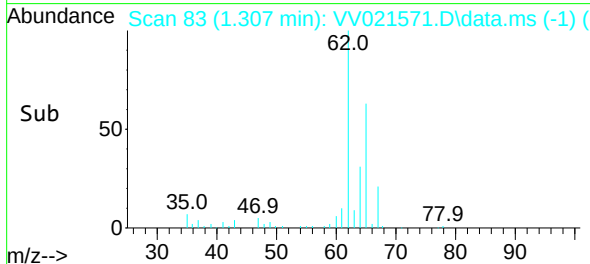
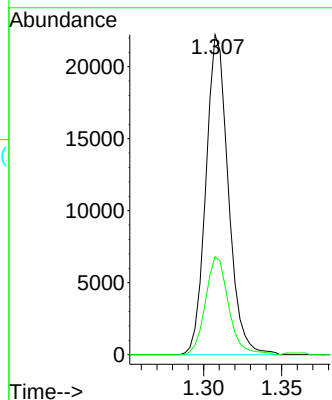
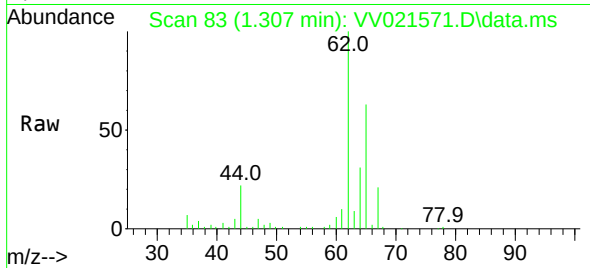




#5  
 Vinyl chloride  
 Concen: 6.183 ug/L  
 RT: 1.307 min Scan# 83  
 Delta R.T. -0.003 min  
 Lab File: VV021571.D  
 Acq: 29 Jun 2021 09:55

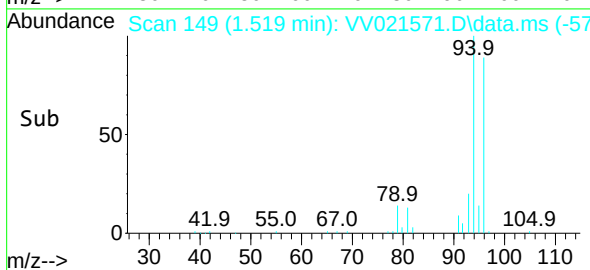
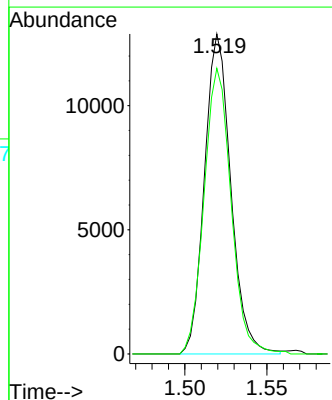
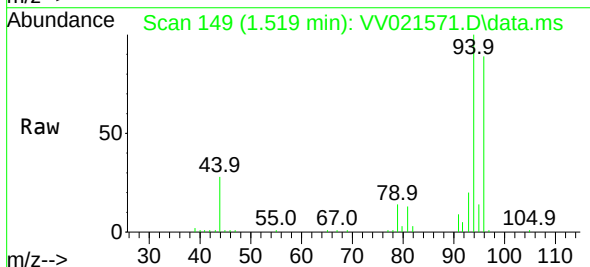
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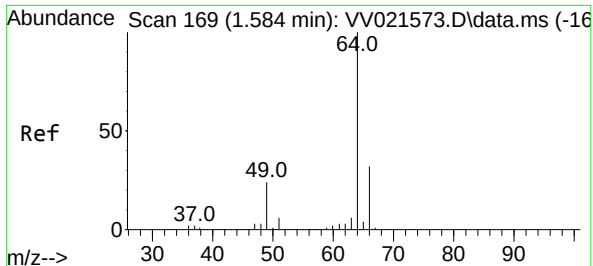
Tgt Ion: 62 Resp: 22203  
 Ion Ratio Lower Upper  
 62 100  
 64 30.7 23.3 43.3



#6  
 Bromomethane  
 Concen: 5.888 ug/L  
 RT: 1.519 min Scan# 149  
 Delta R.T. -0.003 min  
 Lab File: VV021571.D  
 Acq: 29 Jun 2021 09:55

Tgt Ion: 94 Resp: 14386  
 Ion Ratio Lower Upper  
 94 100  
 96 89.2 65.5 121.7

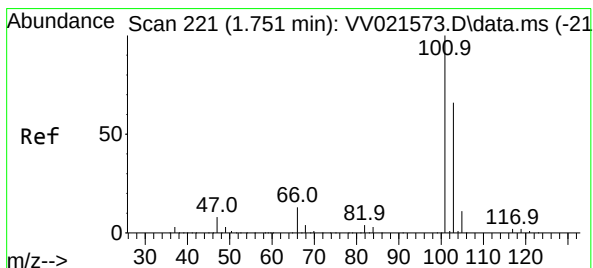
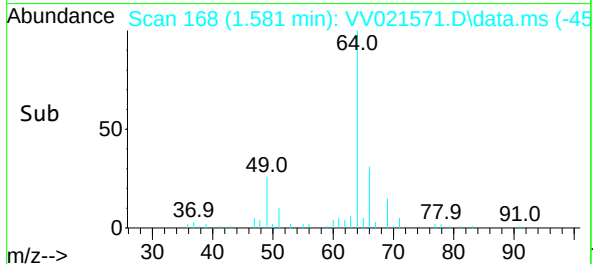
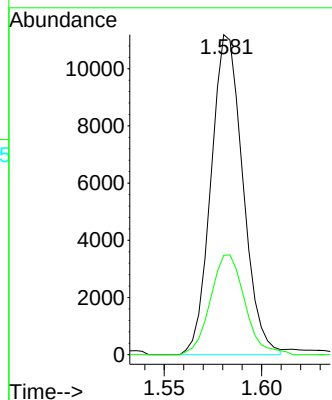
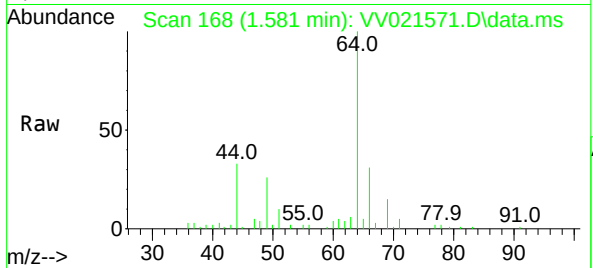




#8  
Chloroethane  
Concen: 6.179 ug/L  
RT: 1.581 min Scan# 168  
Delta R.T. -0.003 min  
Lab File: VV021571.D  
Acq: 29 Jun 2021 09:55

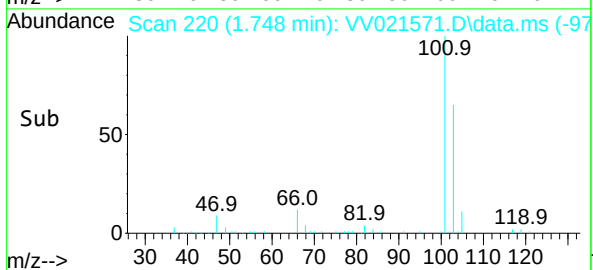
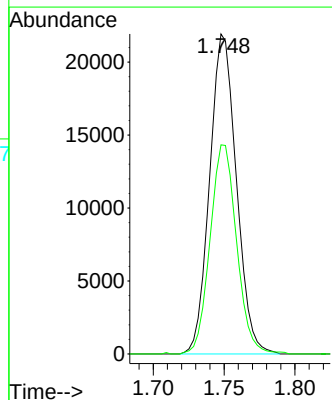
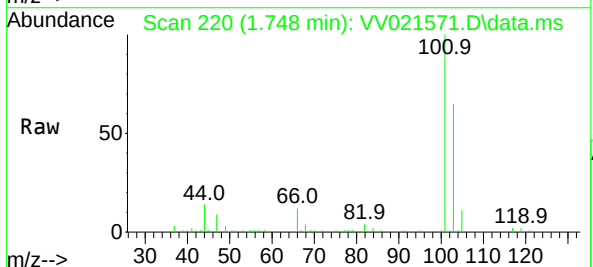
Instrument :  
MSVOA\_V  
ClientSampled :

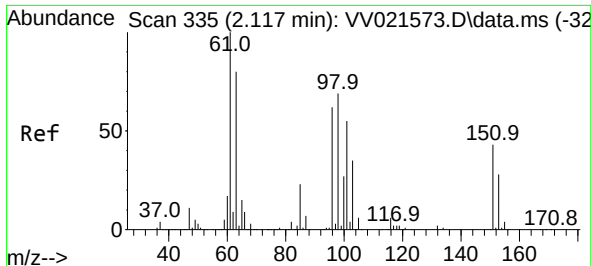
Tgt Ion: 64 Resp: 12735  
Ion Ratio Lower Upper  
64 100  
66 31.0 22.3 41.3



#9  
Trichlorofluoromethane  
Concen: 5.573 ug/L  
RT: 1.748 min Scan# 220  
Delta R.T. -0.003 min  
Lab File: VV021571.D  
Acq: 29 Jun 2021 09:55

Tgt Ion: 101 Resp: 28775  
Ion Ratio Lower Upper  
101 100  
103 64.9 52.4 78.6

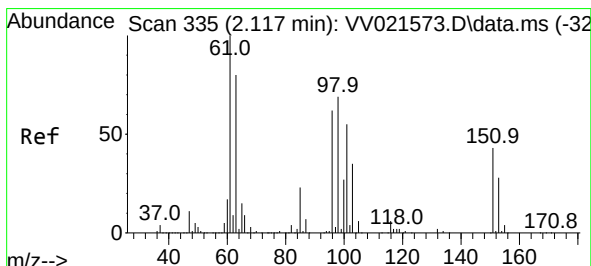
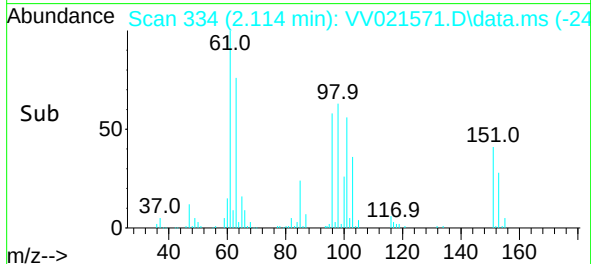
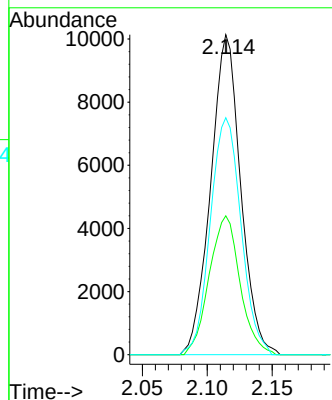
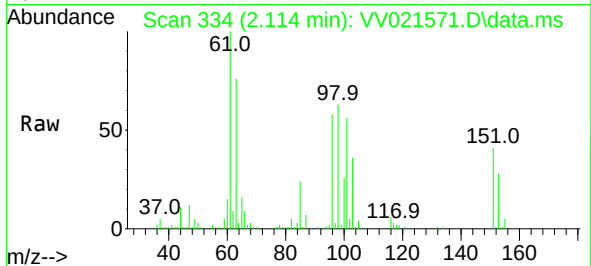




#10  
1,1,2-Trichloro-1,2,2-trifluoroethane  
Concen: 5.424 ug/L  
RT: 2.114 min Scan# 334  
Delta R.T. -0.003 min  
Lab File: VV021571.D  
Acq: 29 Jun 2021 09:55

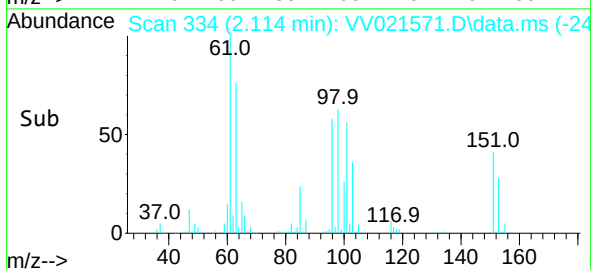
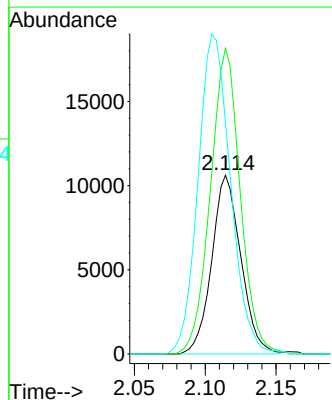
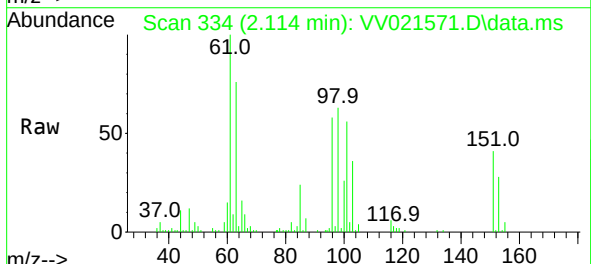
Instrument :  
MSVOA\_V  
ClientSampleId :

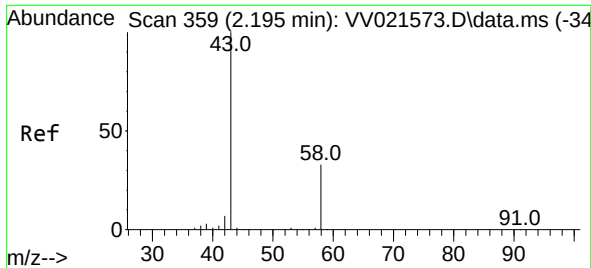
Tgt Ion:101 Resp: 16300  
Ion Ratio Lower Upper  
101 100  
85 44.4 33.3 49.9  
151 75.6 62.8 94.2



#12  
1,1-Dichloroethene  
Concen: 5.247 ug/L  
RT: 2.114 min Scan# 334  
Delta R.T. -0.003 min  
Lab File: VV021571.D  
Acq: 29 Jun 2021 09:55

Tgt Ion: 96 Resp: 15153  
Ion Ratio Lower Upper  
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61 171.1 112.9 209.7  
63 129.7 90.8 168.6

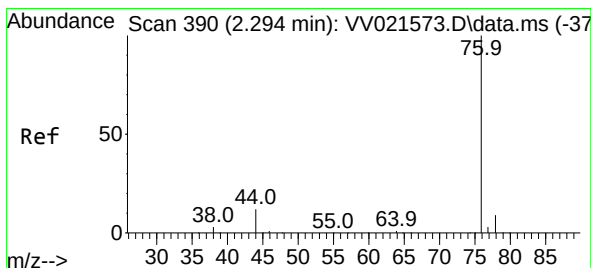
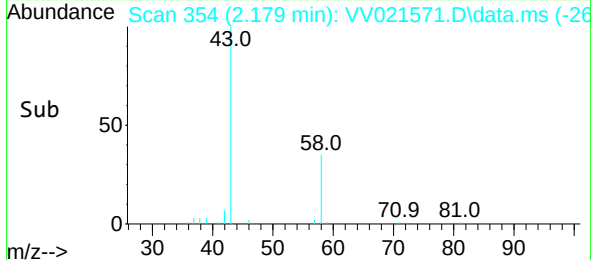
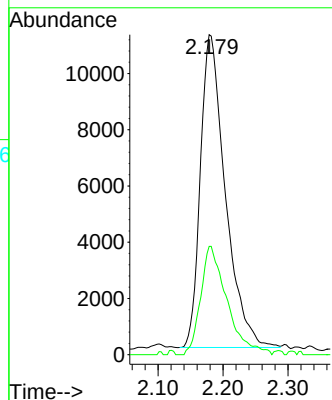
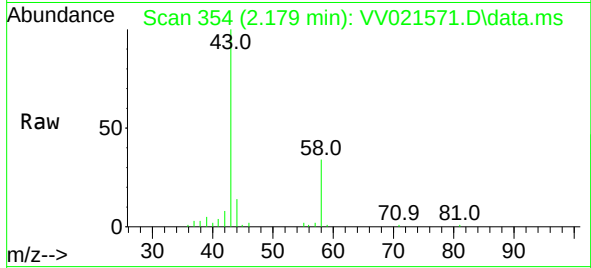




#13  
Acetone  
Concen: 14.341 ug/L  
RT: 2.179 min Scan# 354  
Delta R.T. -0.016 min  
Lab File: VV021571.D  
Acq: 29 Jun 2021 09:55

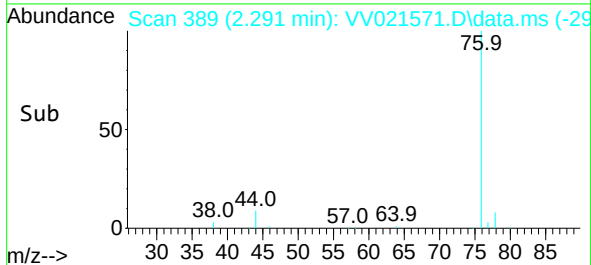
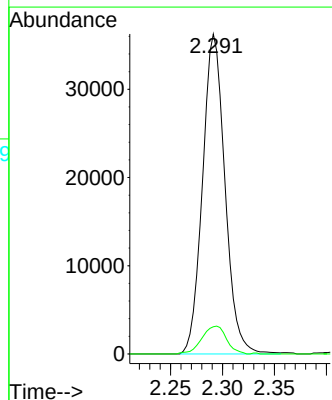
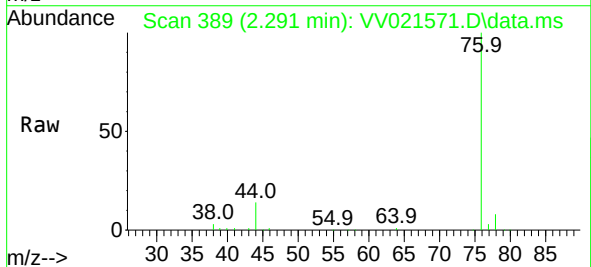
Instrument :  
MSVOA\_V  
ClientSampled :

Tgt Ion: 43 Resp: 29729  
Ion Ratio Lower Upper  
43 100  
58 35.4 0.0 0.0#

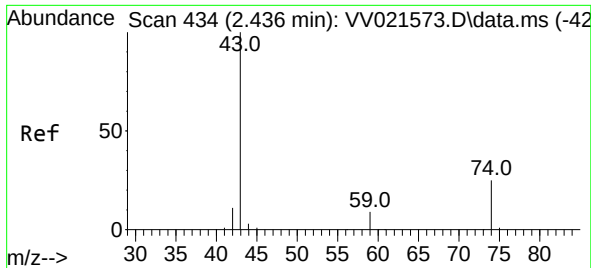


#14  
Carbon disulfide  
Concen: 5.873 ug/L  
RT: 2.291 min Scan# 389  
Delta R.T. -0.003 min  
Lab File: VV021571.D  
Acq: 29 Jun 2021 09:55

Tgt Ion: 76 Resp: 54488  
Ion Ratio Lower Upper  
76 100  
78 8.5 7.4 11.0



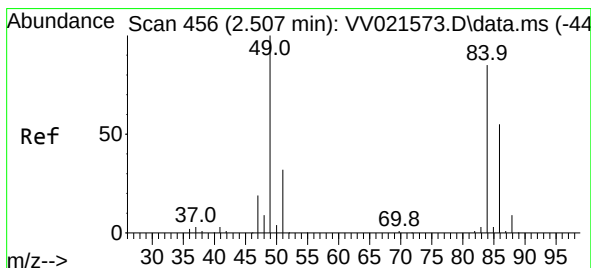
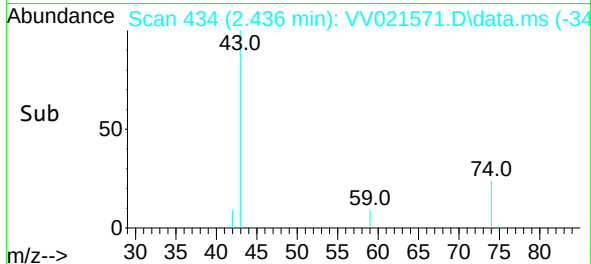
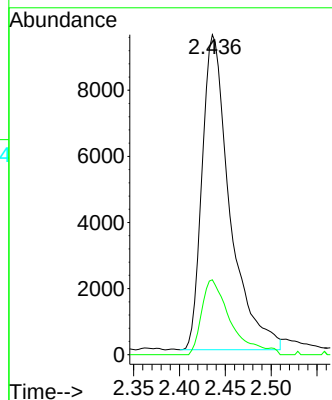
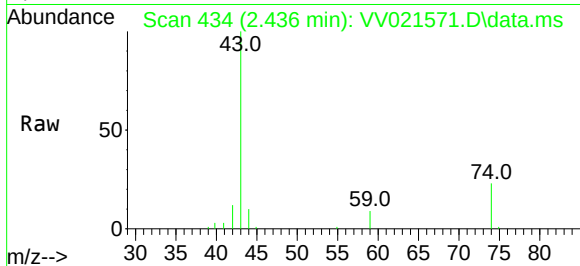




#15  
Methyl Acetate  
Concen: 5.602 ug/L  
RT: 2.436 min Scan# 434  
Delta R.T. 0.000 min  
Lab File: VV021571.D  
Acq: 29 Jun 2021 09:55

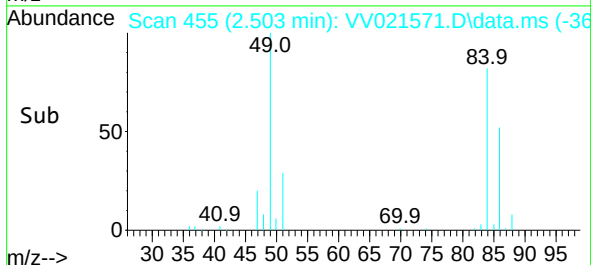
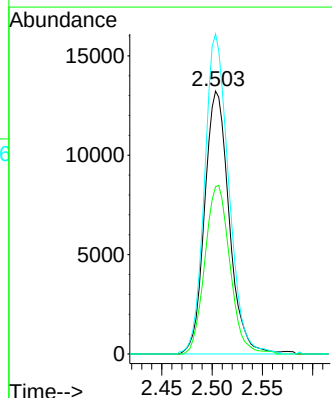
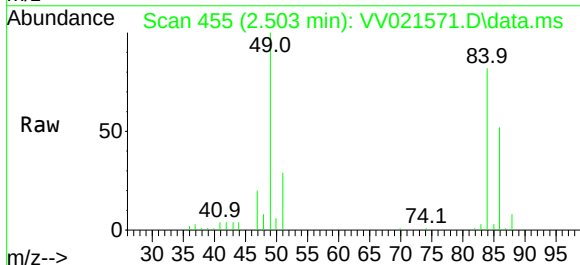
Instrument :  
MSVOA\_V  
ClientSampled :

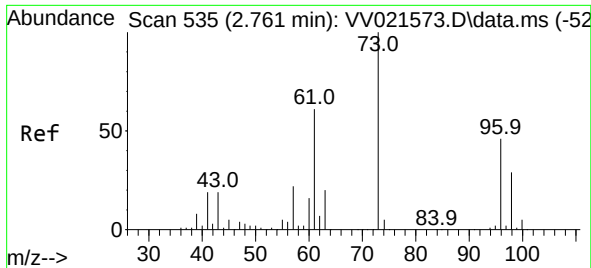
Tgt Ion: 43 Resp: 20081  
Ion Ratio Lower Upper  
43 100  
74 24.3 19.0 28.6



#16  
Methylene chloride  
Concen: 6.135 ug/L  
RT: 2.503 min Scan# 455  
Delta R.T. -0.003 min  
Lab File: VV021571.D  
Acq: 29 Jun 2021 09:55

Tgt Ion: 84 Resp: 22466  
Ion Ratio Lower Upper  
84 100  
86 63.6 45.1 83.9  
49 121.7 82.5 153.3

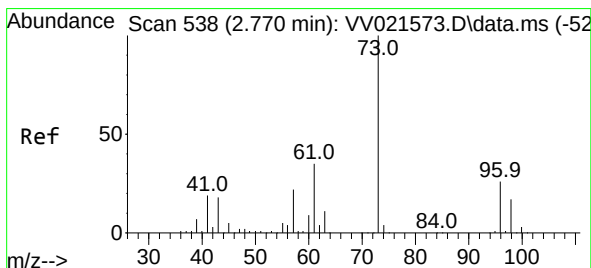
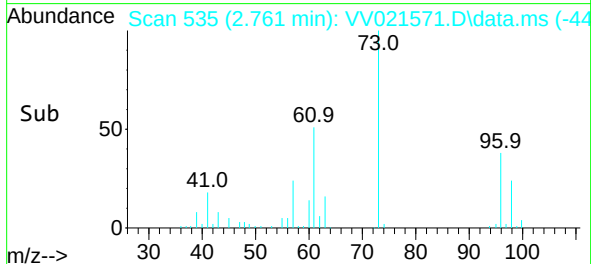
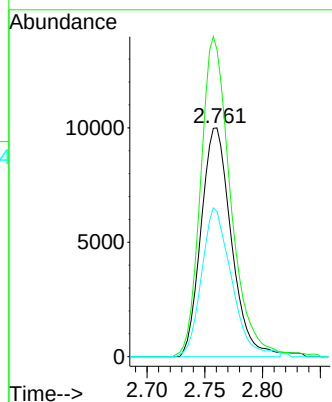
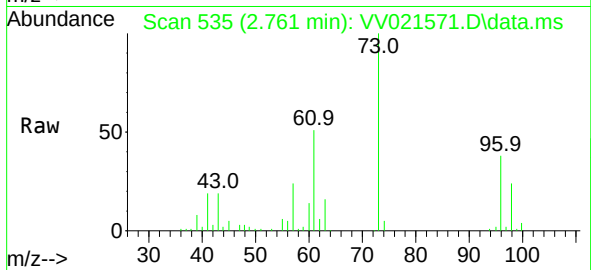




#17  
trans-1,2-Dichloroethene  
Concen: 5.468 ug/L  
RT: 2.761 min Scan# 535  
Delta R.T. 0.000 min  
Lab File: VV021571.D  
Acq: 29 Jun 2021 09:55

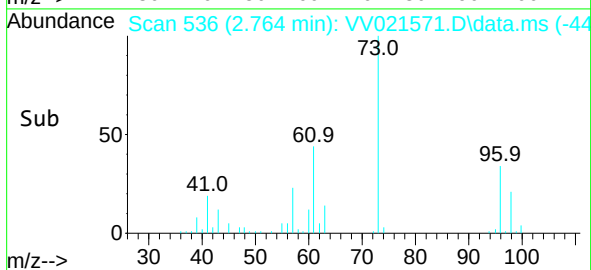
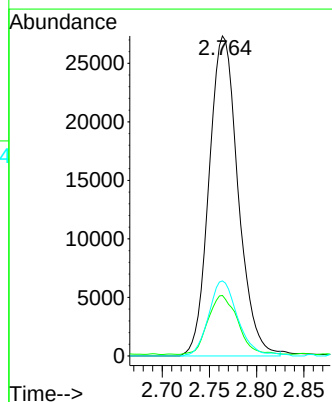
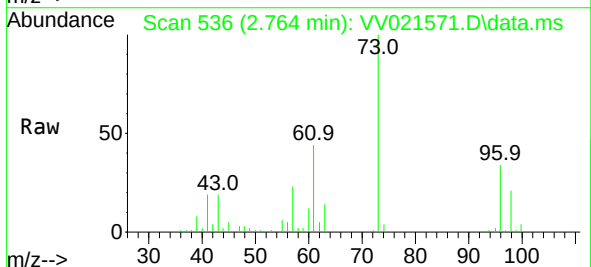
Instrument :  
MSVOA\_V  
ClientSampleId :

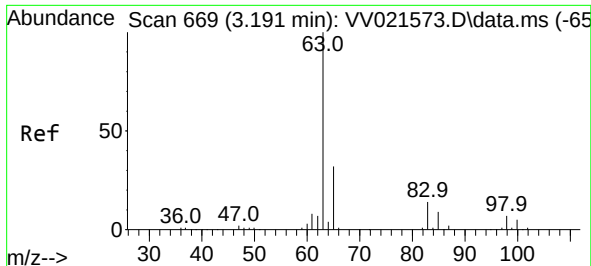
Tgt Ion: 96 Resp: 18189  
Ion Ratio Lower Upper  
96 100  
61 134.3 93.0 172.6  
98 63.5 44.2 82.0



#18  
Methyl tert-butyl Ether  
Concen: 5.498 ug/L  
RT: 2.764 min Scan# 536  
Delta R.T. -0.006 min  
Lab File: VV021571.D  
Acq: 29 Jun 2021 09:55

Tgt Ion: 73 Resp: 58403  
Ion Ratio Lower Upper  
73 100  
43 18.6 14.6 22.0  
57 23.2 17.4 26.2





#19

1,1-Dichloroethane

Concen: 5.630 ug/L

RT: 3.188 min Scan# 668

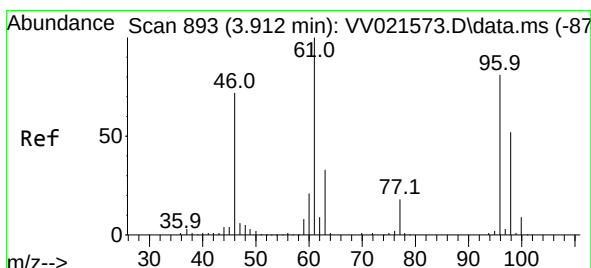
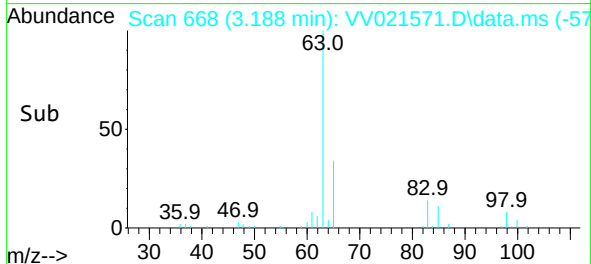
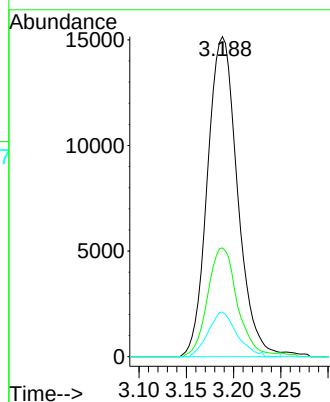
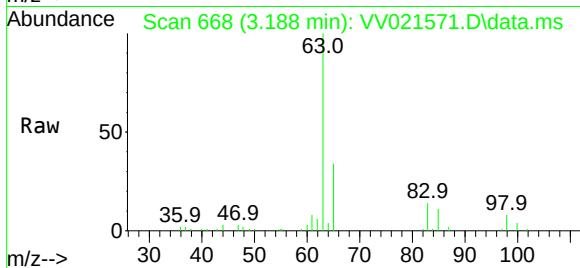
Delta R.T. -0.003 min

Lab File: VV021571.D

Acq: 29 Jun 2021 09:55

Tgt Ion: 63 Resp: 33392

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 63  | 100   |       |       |
| 65  | 34.0  | 22.4  | 41.6  |
| 83  | 14.0  | 9.4   | 17.6  |



#20

cis-1,2-Dichloroethene

Concen: 5.403 ug/L

RT: 3.912 min Scan# 893

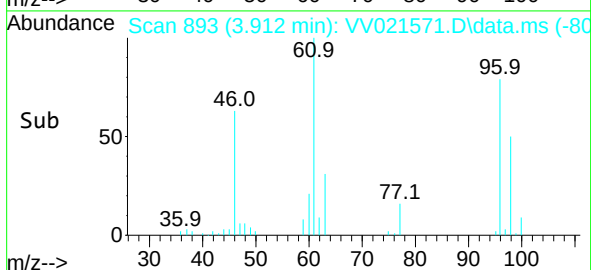
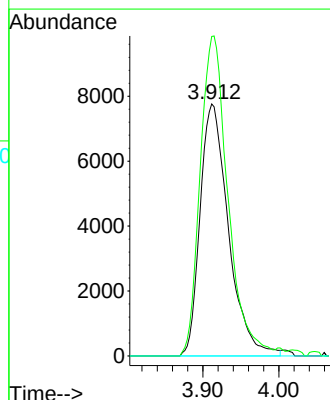
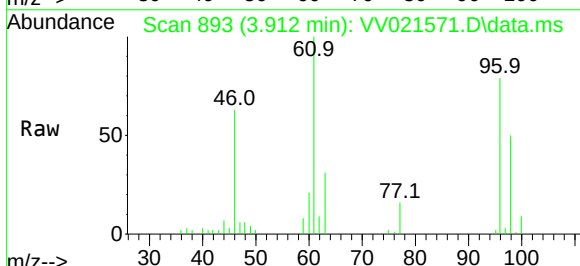
Delta R.T. 0.000 min

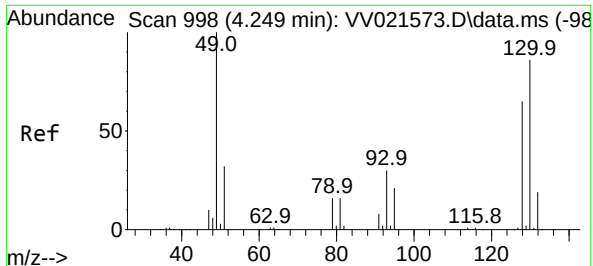
Lab File: VV021571.D

Acq: 29 Jun 2021 09:55

Tgt Ion: 96 Resp: 20137

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 126.8 | 86.9  | 161.3 |
| 68  | 0.0   | 0.0   | 0.0   |

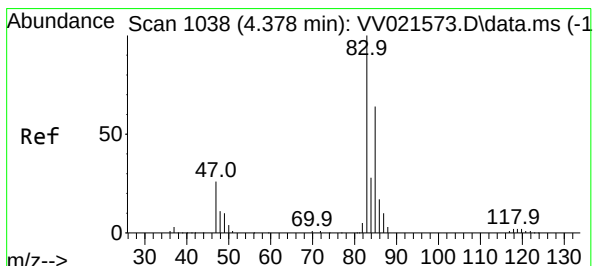
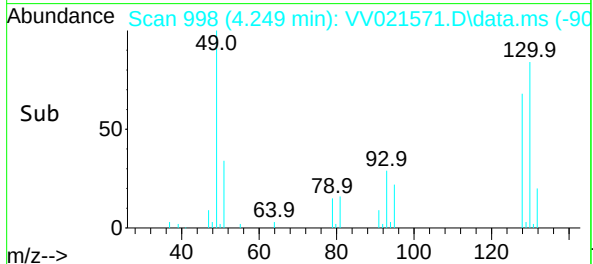
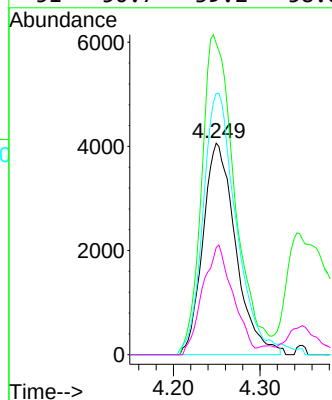
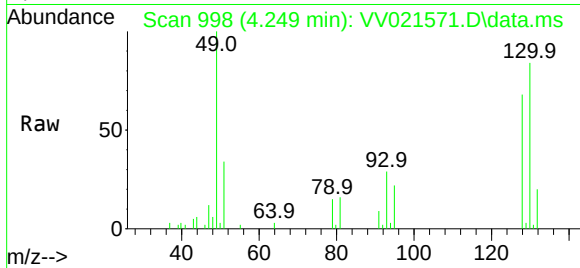




#23  
Bromochloromethane  
Concen: 5.214 ug/L  
RT: 4.249 min Scan# 998  
Delta R.T. 0.000 min  
Lab File: VV021571.D  
Acq: 29 Jun 2021 09:55

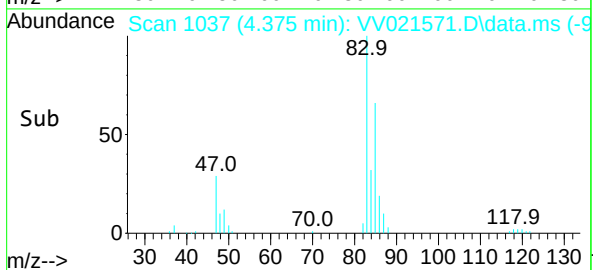
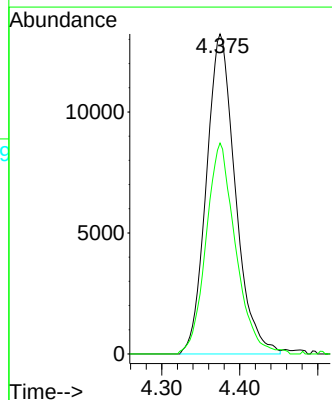
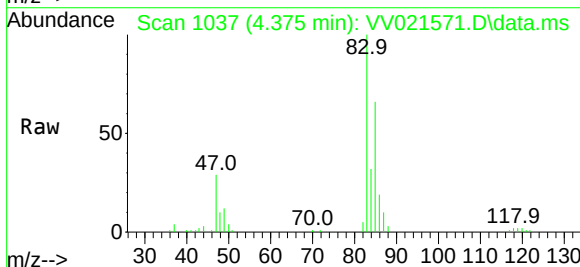
Instrument :  
MSVOA\_V  
ClientSampleId :

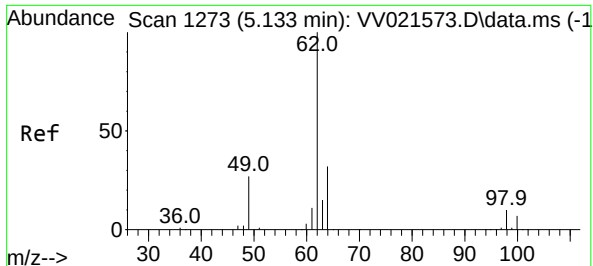
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 128   | Resp: | 10645 |
| Ion      | Ratio | Lower | Upper |
| 128      | 100   |       |       |
| 49       | 147.2 | 107.5 | 199.7 |
| 130      | 123.5 | 92.2  | 171.2 |
| 51       | 50.7  | 39.2  | 58.8  |



#25  
Chloroform  
Concen: 5.558 ug/L  
RT: 4.375 min Scan# 1037  
Delta R.T. -0.003 min  
Lab File: VV021571.D  
Acq: 29 Jun 2021 09:55

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 34096 |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 85       | 65.9  | 45.1  | 83.7  |





#27

1,2-Dichloroethane

Concen: 5.740 ug/L

RT: 5.133 min Scan# 1273

Delta R.T. 0.000 min

Lab File: VV021571.D

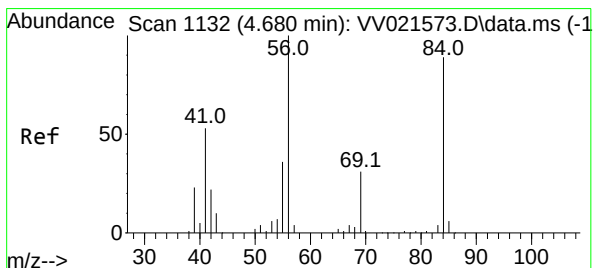
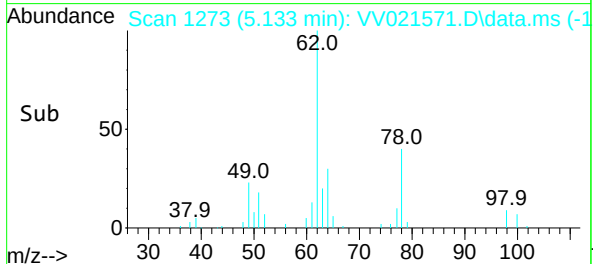
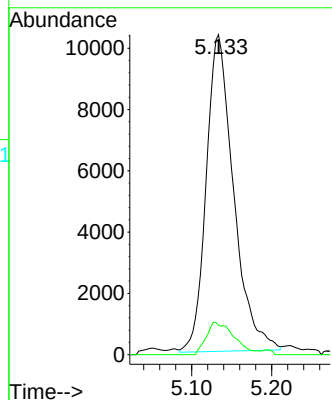
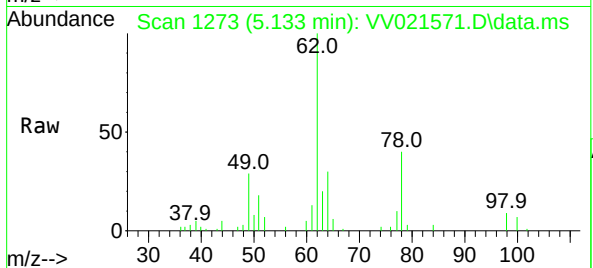
Acq: 29 Jun 2021 09:55

Tgt Ion: 62 Resp: 24559

Ion Ratio Lower Upper

62 100

98 9.2 8.2 12.4



#29

Cyclohexane

Concen: 5.831 ug/L

RT: 4.674 min Scan# 1130

Delta R.T. -0.006 min

Lab File: VV021571.D

Acq: 29 Jun 2021 09:55

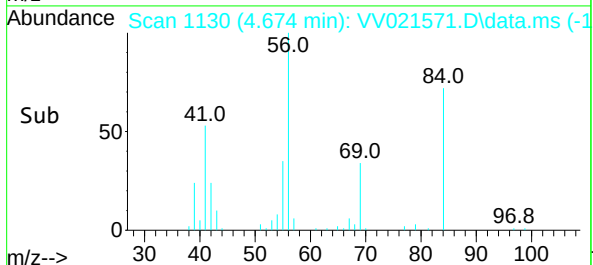
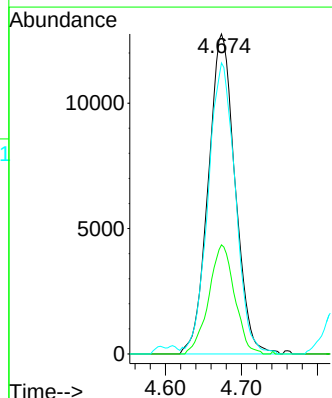
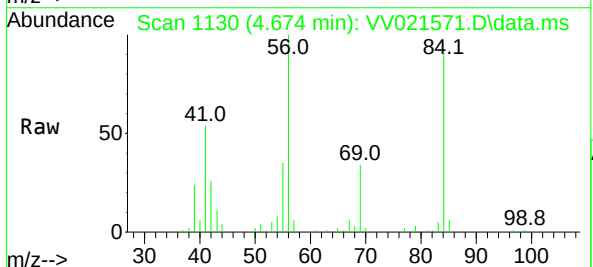
Tgt Ion: 56 Resp: 31284

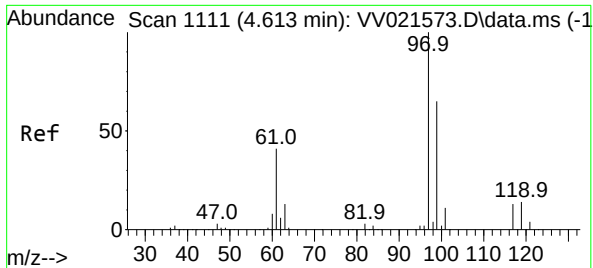
Ion Ratio Lower Upper

56 100

69 32.8 24.9 37.3

84 92.5 71.6 107.4

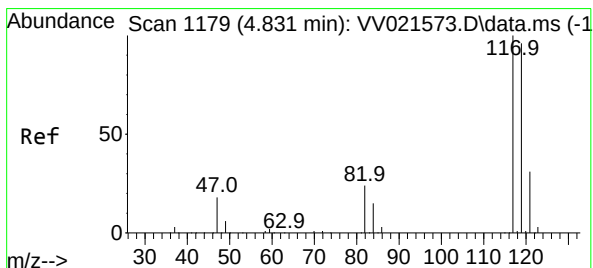
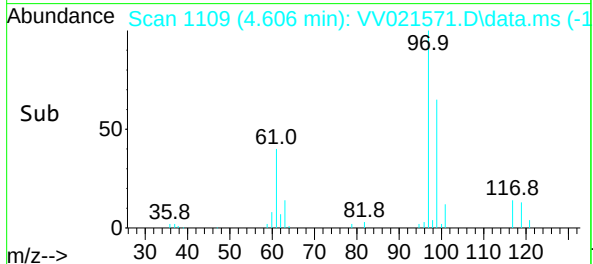
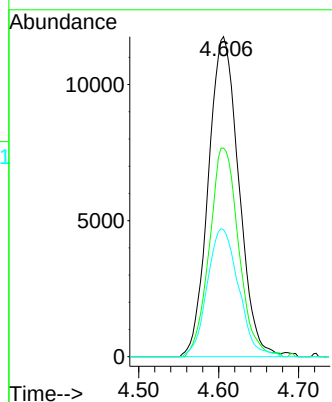
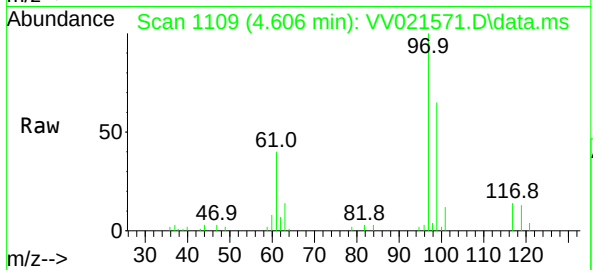




#30  
1,1,1-Trichloroethane  
Concen: 5.529 ug/L  
RT: 4.606 min Scan# 1109  
Delta R.T. -0.006 min  
Lab File: VV021571.D  
Acq: 29 Jun 2021 09:55

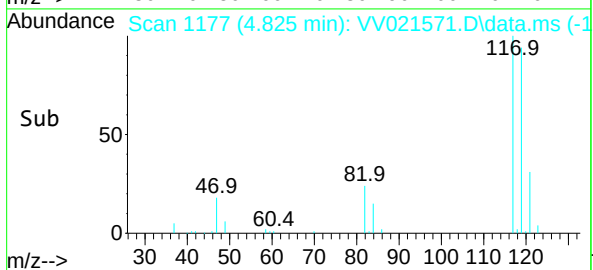
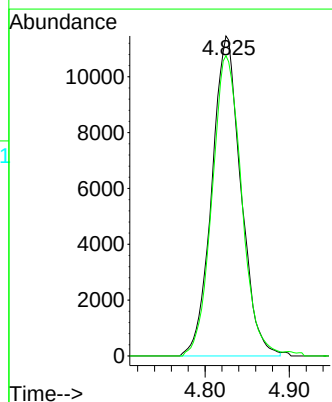
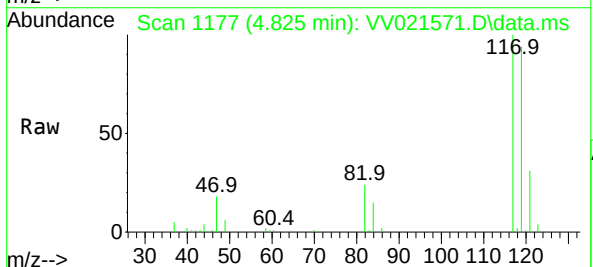
Instrument :  
MSVOA\_V  
ClientSampleId :

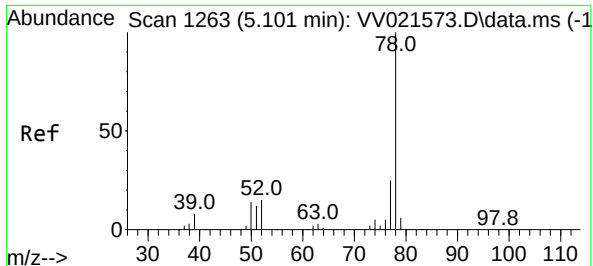
Tgt Ion: 97 Resp: 31088  
Ion Ratio Lower Upper  
97 100  
99 62.7 52.1 78.1  
61 41.1 32.6 49.0



#31  
Carbon tetrachloride  
Concen: 5.387 ug/L  
RT: 4.825 min Scan# 1177  
Delta R.T. -0.006 min  
Lab File: VV021571.D  
Acq: 29 Jun 2021 09:55

Tgt Ion: 117 Resp: 27365  
Ion Ratio Lower Upper  
117 100  
119 95.4 76.5 114.7





#33

Benzene

Concen: 5.568 ug/L

RT: 5.098 min Scan# 1262

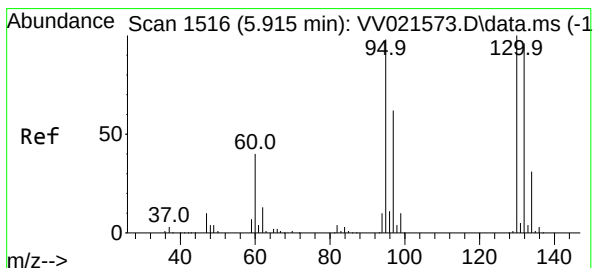
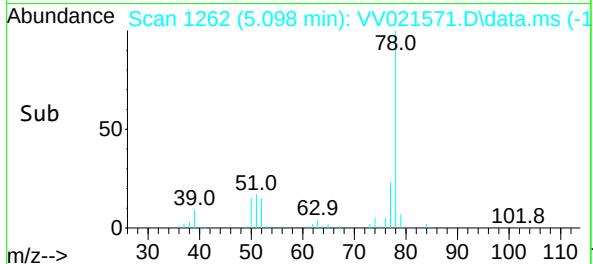
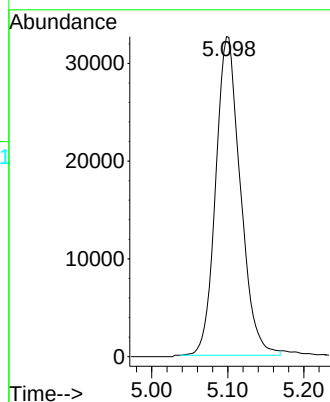
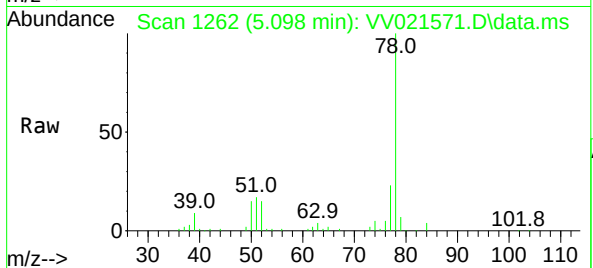
Delta R.T. -0.003 min

Lab File: VV021571.D

Acq: 29 Jun 2021 09:55

Tgt Ion: 78 Resp: 73439

Instrument :  
MSVOA\_V  
ClientSampled :



#34

Trichloroethene

Concen: 5.825 ug/L

RT: 5.915 min Scan# 1516

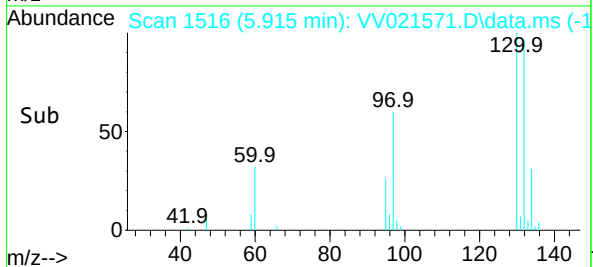
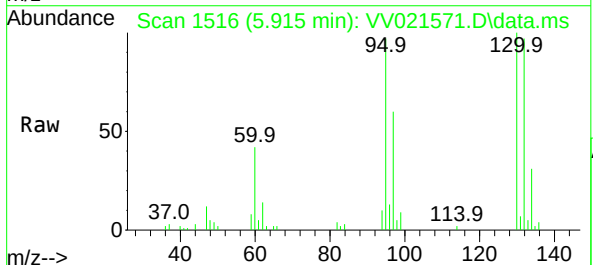
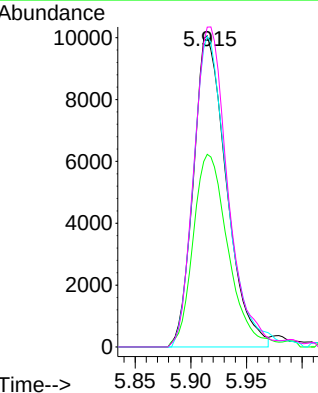
Delta R.T. 0.000 min

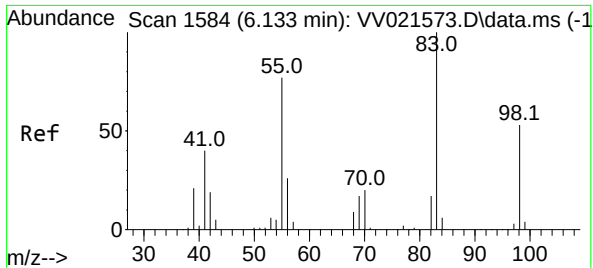
Lab File: VV021571.D

Acq: 29 Jun 2021 09:55

Tgt Ion: 95 Resp: 20765

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 97  | 61.9  | 44.6  | 82.8  |
| 132 | 99.8  | 69.0  | 128.1 |
| 130 | 102.8 | 71.6  | 133.0 |

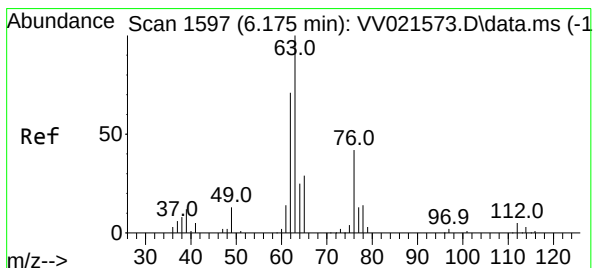
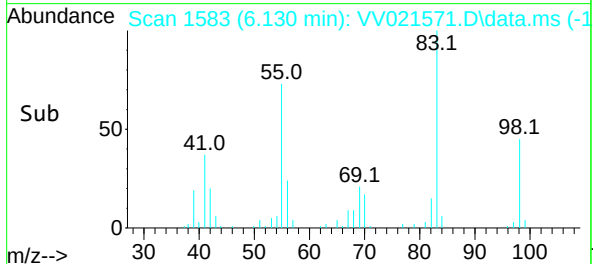
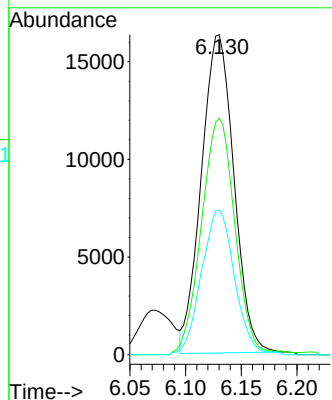
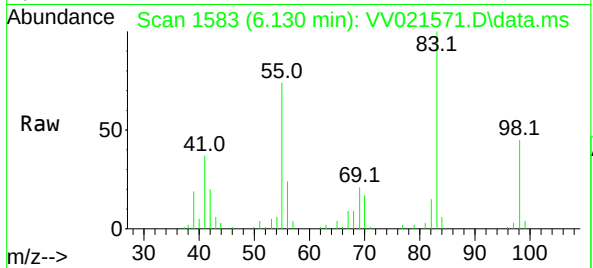




#35  
Methylcyclohexane  
Concen: 5.778 ug/L  
RT: 6.130 min Scan# 1583  
Delta R.T. -0.003 min  
Lab File: VV021571.D  
Acq: 29 Jun 2021 09:55

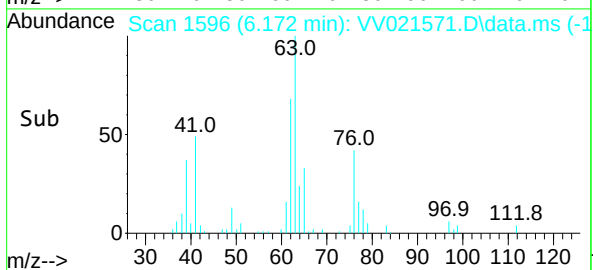
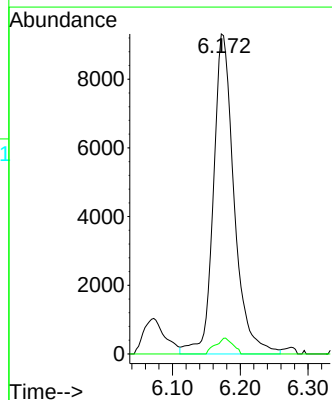
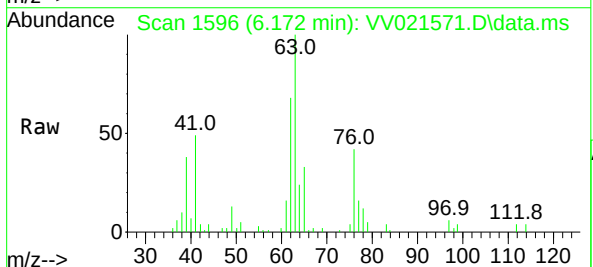
Instrument :  
MSVOA\_V  
ClientSampleId :

Tgt Ion: 83 Resp: 33108  
Ion Ratio Lower Upper  
83 100  
55 76.1 58.7 88.1  
98 46.2 39.7 59.5

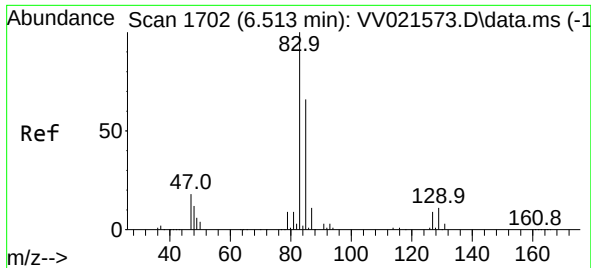


#37  
1,2-Dichloropropane  
Concen: 5.902 ug/L  
RT: 6.172 min Scan# 1596  
Delta R.T. -0.003 min  
Lab File: VV021571.D  
Acq: 29 Jun 2021 09:55

Tgt Ion: 63 Resp: 19823  
Ion Ratio Lower Upper  
63 100  
112 4.1 3.8 5.6



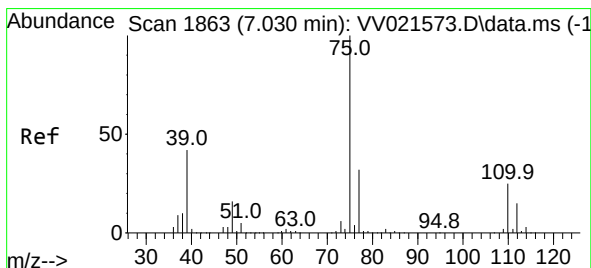
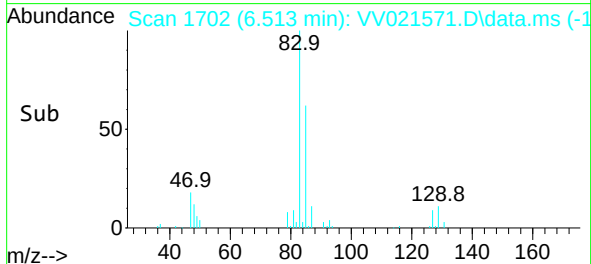
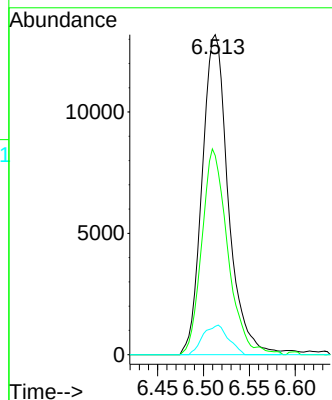
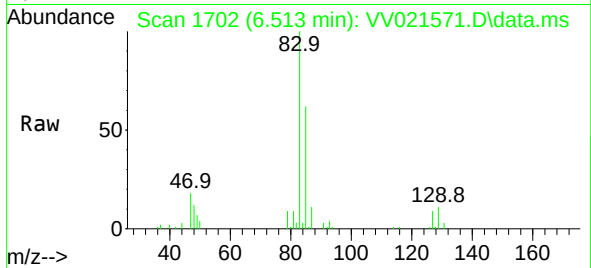




#38  
Bromodichloromethane  
Concen: 5.565 ug/L  
RT: 6.513 min Scan# 1702  
Delta R.T. 0.000 min  
Lab File: VV021571.D  
Acq: 29 Jun 2021 09:55

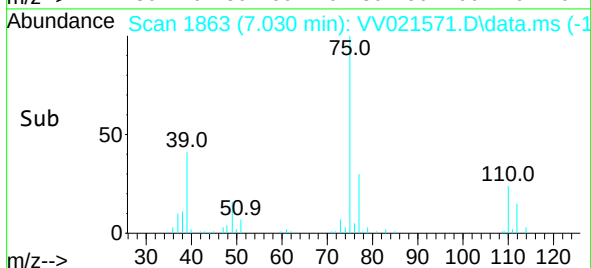
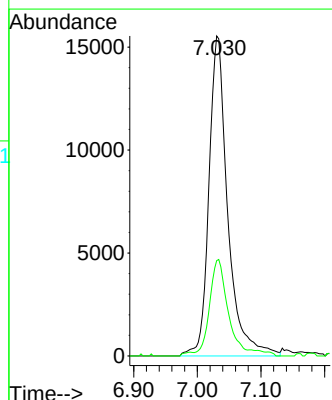
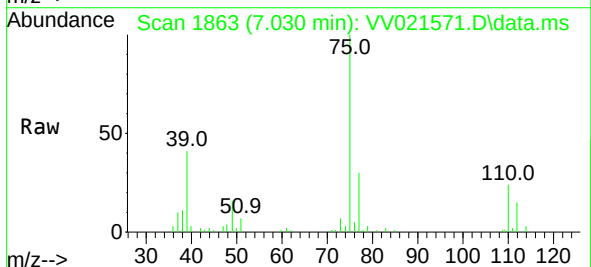
Instrument :  
MSVOA\_V  
ClientSampled :

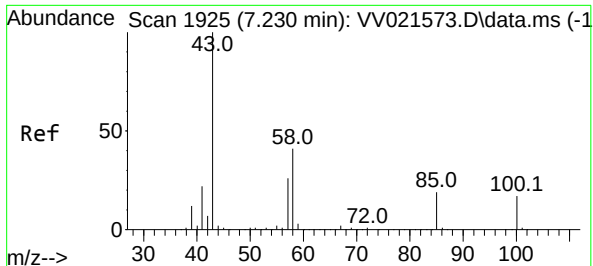
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 26095 |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 85       | 62.2  | 46.3  | 86.1  |
| 127      | 8.9   | 7.3   | 10.9  |



#39  
cis-1,3-Dichloropropene  
Concen: 5.674 ug/L  
RT: 7.030 min Scan# 1863  
Delta R.T. 0.000 min  
Lab File: VV021571.D  
Acq: 29 Jun 2021 09:55

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 31948 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 77       | 29.8  | 22.5  | 41.7  |

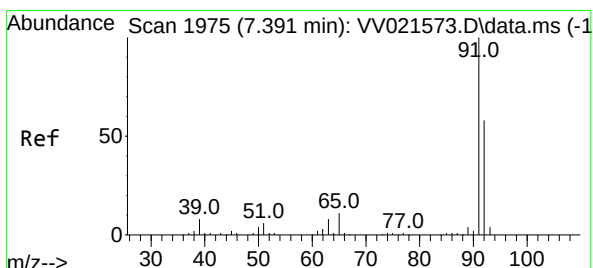
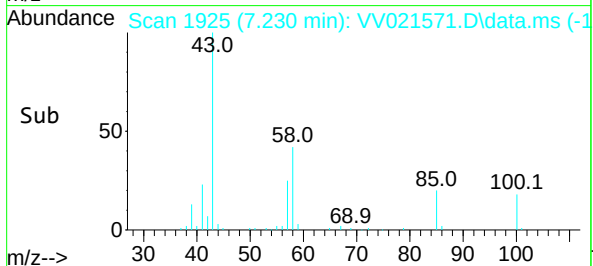
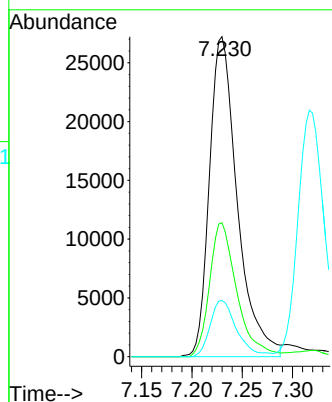
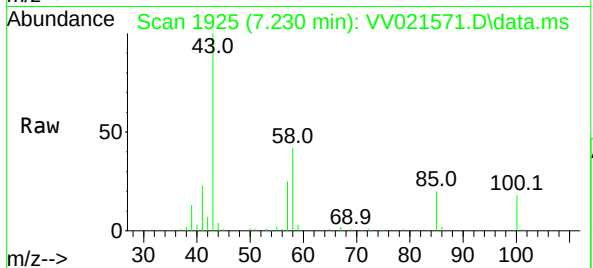




#40  
4-Methyl-2-pentanone  
Concen: 11.289 ug/L  
RT: 7.230 min Scan# 1925  
Delta R.T. 0.000 min  
Lab File: VV021571.D  
Acq: 29 Jun 2021 09:55

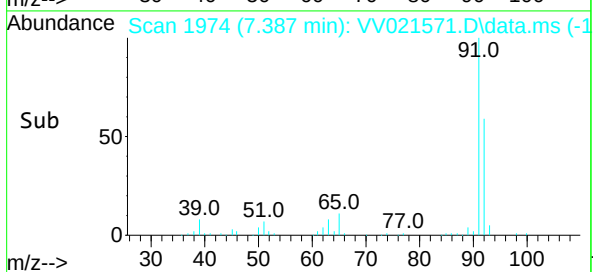
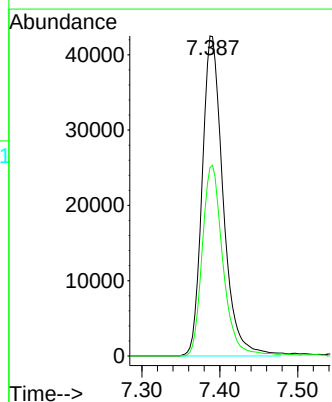
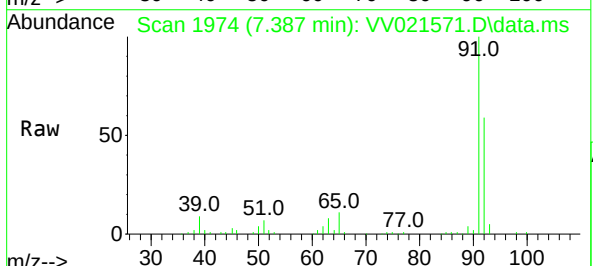
Instrument :  
MSVOA\_V  
ClientSampleId :

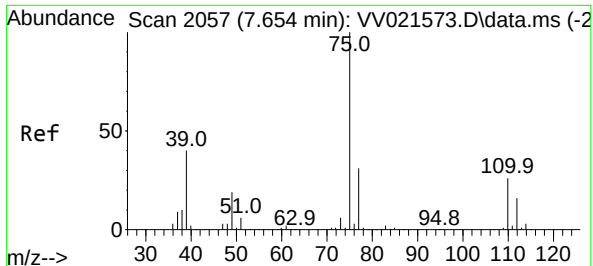
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 52467 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 40.8  | 32.8  | 49.2  |
| 100      | 16.3  | 13.5  | 20.3  |



#42  
Toluene  
Concen: 5.477 ug/L  
RT: 7.387 min Scan# 1974  
Delta R.T. -0.003 min  
Lab File: VV021571.D  
Acq: 29 Jun 2021 09:55

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 91    | Resp: | 79502 |
| Ion      | Ratio | Lower | Upper |
| 91       | 100   |       |       |
| 92       | 58.8  | 40.6  | 75.4  |

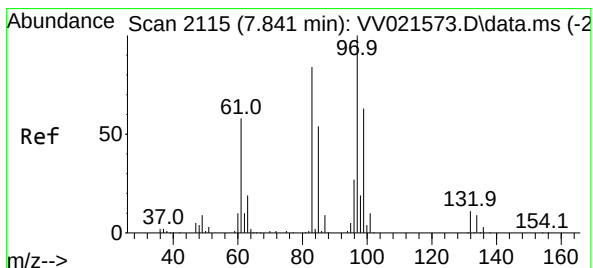
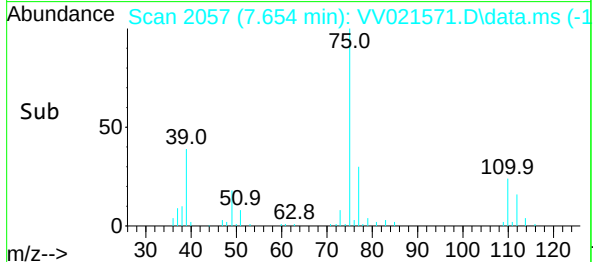
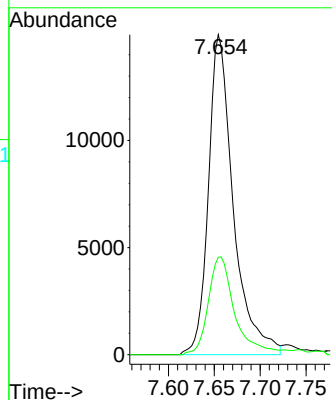
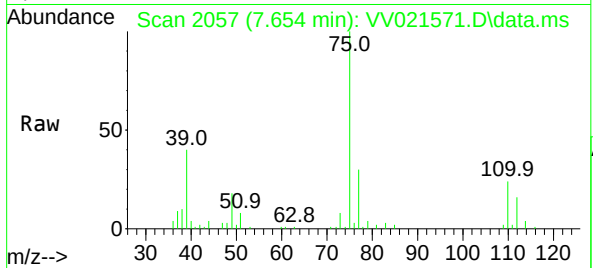




#44  
trans-1,3-Dichloropropene  
Concen: 5.289 ug/L  
RT: 7.654 min Scan# 2057  
Delta R.T. 0.000 min  
Lab File: VV021571.D  
Acq: 29 Jun 2021 09:55

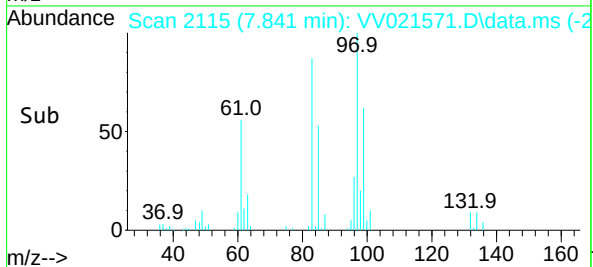
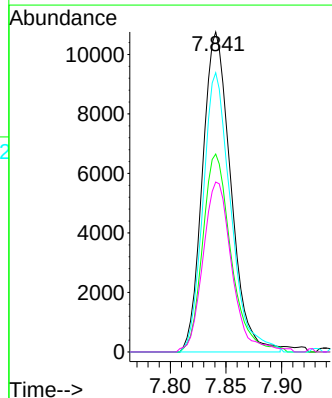
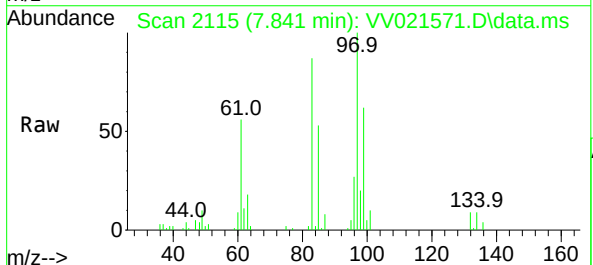
Instrument :  
MSVOA\_V  
ClientSampled :

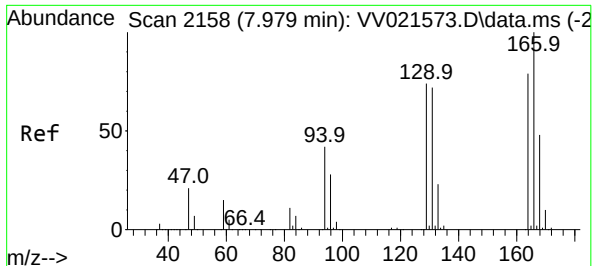
Tgt Ion: 75 Resp: 28226  
Ion Ratio Lower Upper  
75 100  
77 30.5 21.8 40.4



#45  
1,1,2-Trichloroethane  
Concen: 5.610 ug/L  
RT: 7.841 min Scan# 2115  
Delta R.T. 0.000 min  
Lab File: VV021571.D  
Acq: 29 Jun 2021 09:55

Tgt Ion: 97 Resp: 19023  
Ion Ratio Lower Upper  
97 100  
99 61.8 44.4 82.4  
83 87.3 58.8 109.2  
85 53.1 37.8 70.2

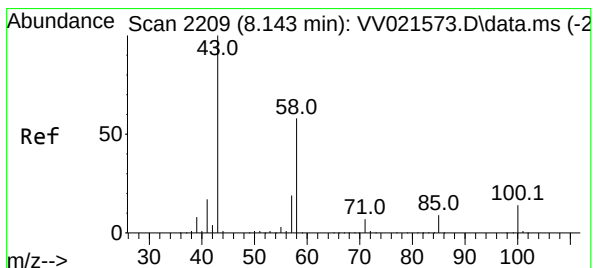
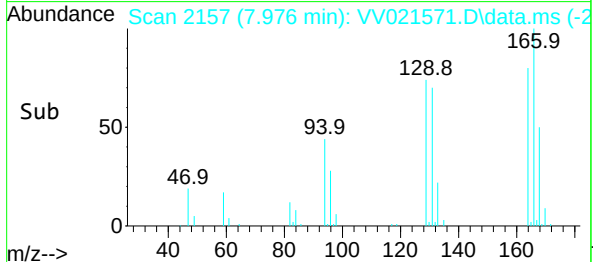
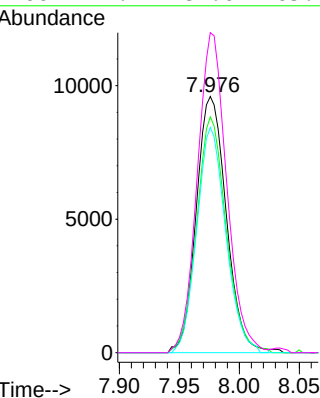
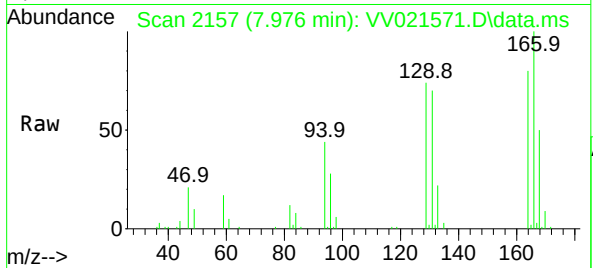




#46  
Tetrachloroethene  
Concen: 5.216 ug/L  
RT: 7.976 min Scan# 2157  
Delta R.T. -0.003 min  
Lab File: VV021571.D  
Acq: 29 Jun 2021 09:55

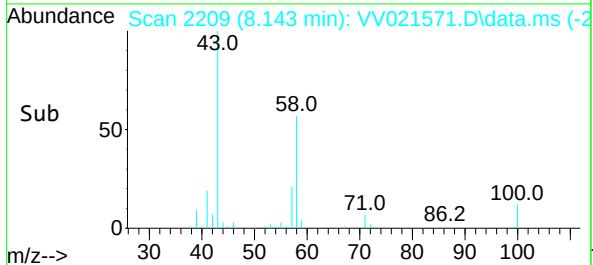
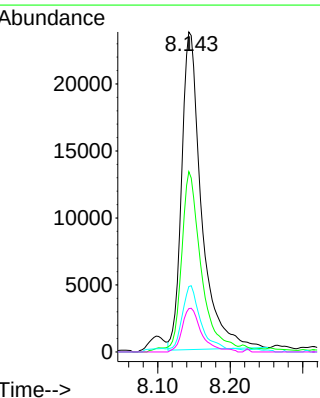
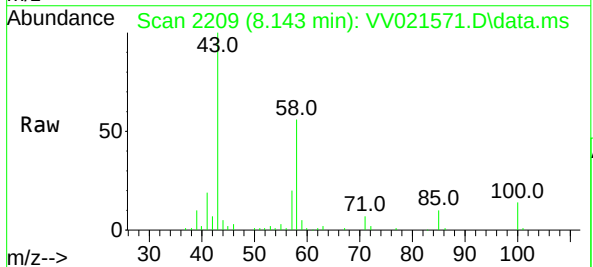
Instrument :  
MSVOA\_V  
ClientSampleId :

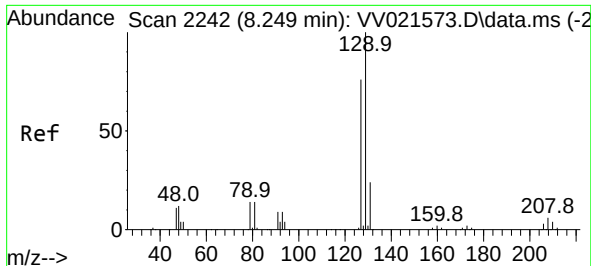
Tgt Ion:164 Resp: 16633  
Ion Ratio Lower Upper  
164 100  
129 92.0 65.9 122.3  
131 87.9 64.0 119.0  
166 124.9 89.0 165.2



#48  
2-Hexanone  
Concen: 12.646 ug/L  
RT: 8.143 min Scan# 2209  
Delta R.T. 0.000 min  
Lab File: VV021571.D  
Acq: 29 Jun 2021 09:55

Tgt Ion: 43 Resp: 45220  
Ion Ratio Lower Upper  
43 100  
58 55.7 46.7 70.1  
57 19.2 15.5 23.3  
100 13.1 11.0 16.4





#49

Dibromochloromethane

Concen: 5.015 ug/L

RT: 8.246 min Scan# 2241

Delta R.T. -0.003 min

Lab File: VV021571.D

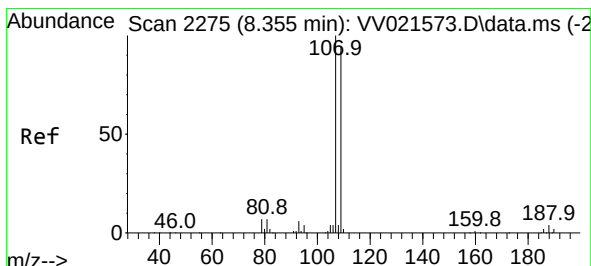
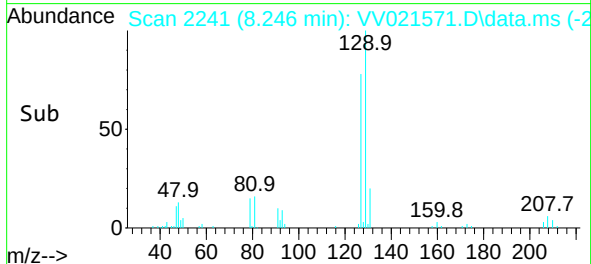
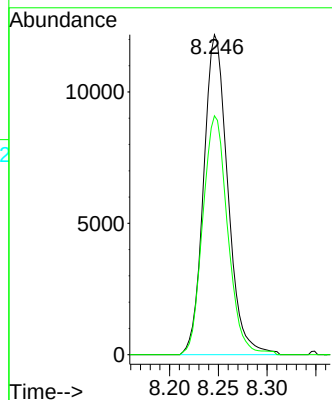
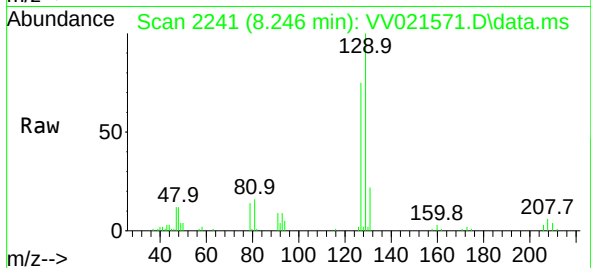
Acq: 29 Jun 2021 09:55

Tgt Ion:129 Resp: 21024

Ion Ratio Lower Upper

129 100

127 74.7 53.1 98.7



#50

1,2-Dibromoethane

Concen: 5.395 ug/L

RT: 8.355 min Scan# 2275

Delta R.T. 0.000 min

Lab File: VV021571.D

Acq: 29 Jun 2021 09:55

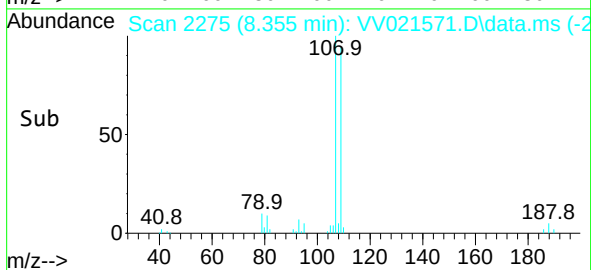
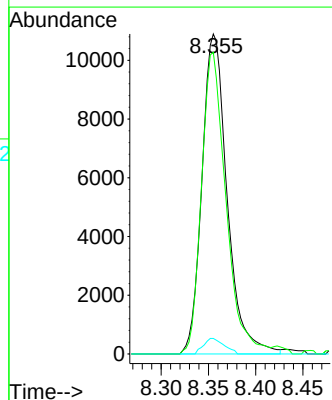
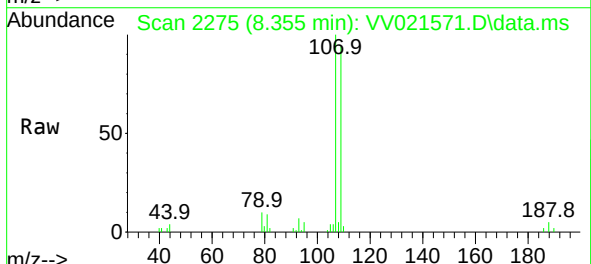
Tgt Ion:107 Resp: 20175

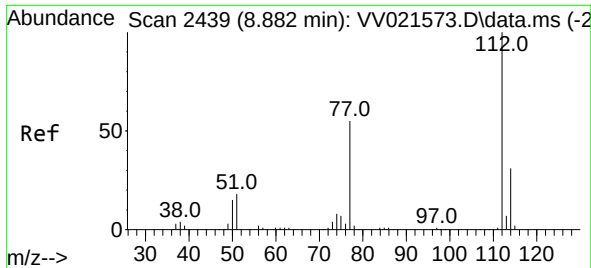
Ion Ratio Lower Upper

107 100

109 94.3 65.8 122.2

188 4.8 3.1 4.7#

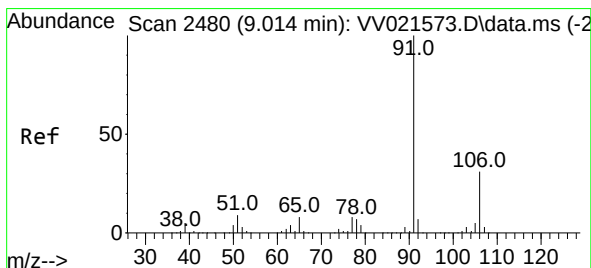
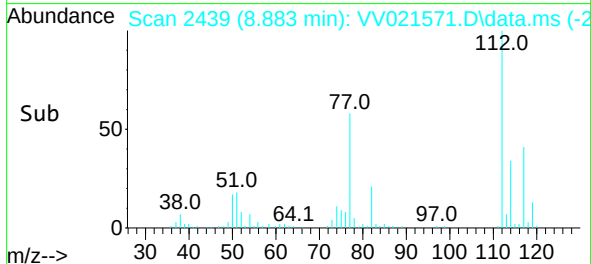
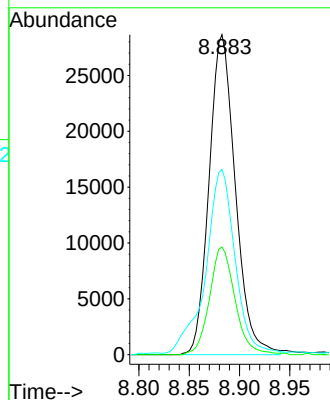
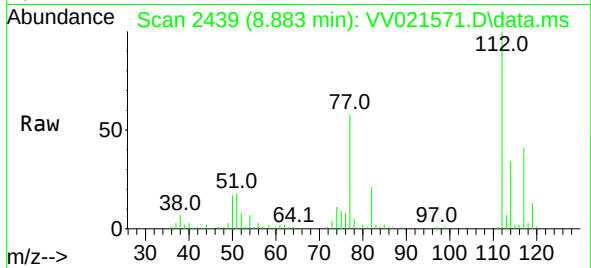




#51  
Chlorobenzene  
Concen: 5.441 ug/L  
RT: 8.883 min Scan# 2439  
Delta R.T. 0.000 min  
Lab File: VV021571.D  
Acq: 29 Jun 2021 09:55

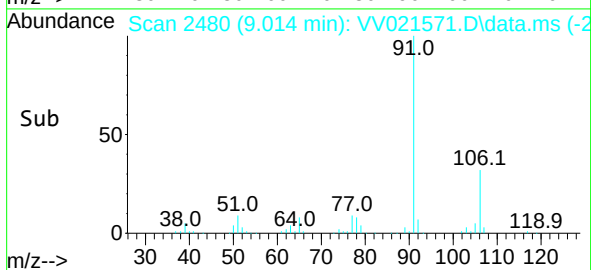
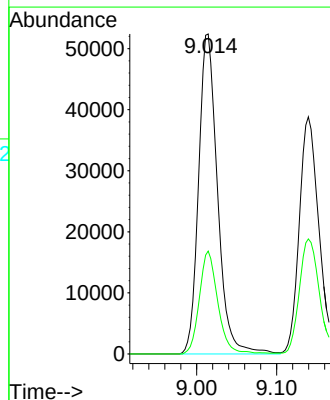
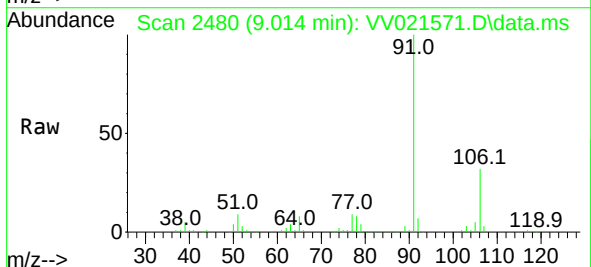
Instrument :  
MSVOA\_V  
ClientSampled :

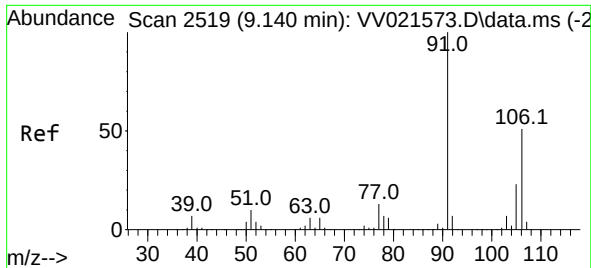
Tgt Ion:112 Resp: 52014  
Ion Ratio Lower Upper  
112 100  
114 33.7 21.9 40.7  
77 57.9 44.0 66.0



#52  
Ethylbenzene  
Concen: 5.440 ug/L  
RT: 9.014 min Scan# 2480  
Delta R.T. 0.000 min  
Lab File: VV021571.D  
Acq: 29 Jun 2021 09:55

Tgt Ion: 91 Resp: 86474  
Ion Ratio Lower Upper  
91 100  
106 32.1 21.8 40.6

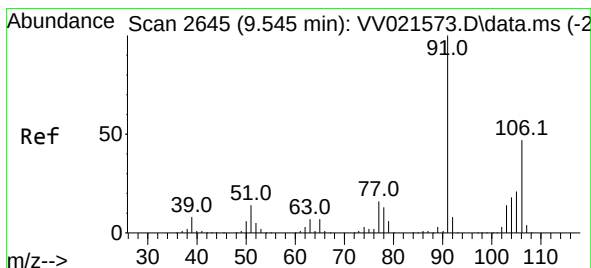
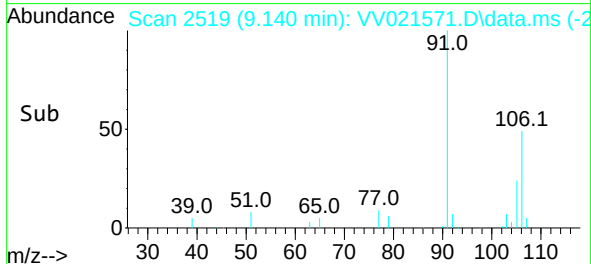
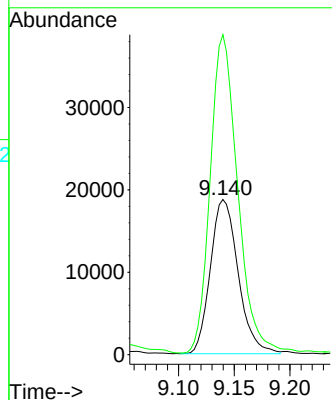
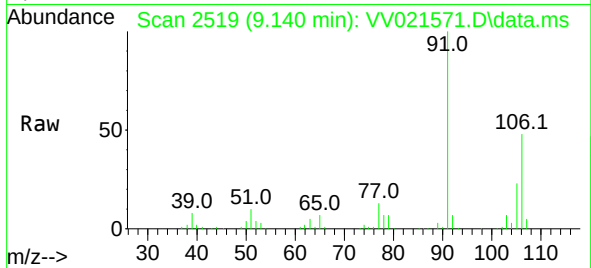




#53  
m,p-Xylene  
Concen: 5.326 ug/L  
RT: 9.140 min Scan# 2519  
Delta R.T. 0.000 min  
Lab File: VV021571.D  
Acq: 29 Jun 2021 09:55

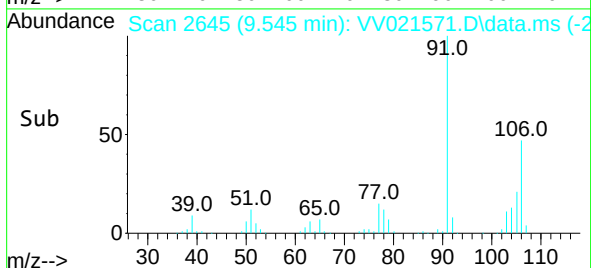
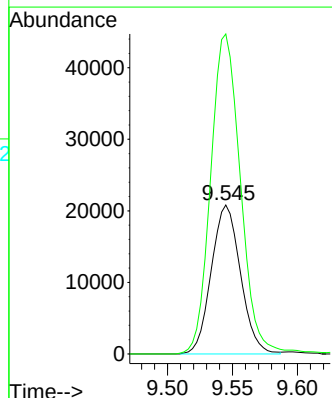
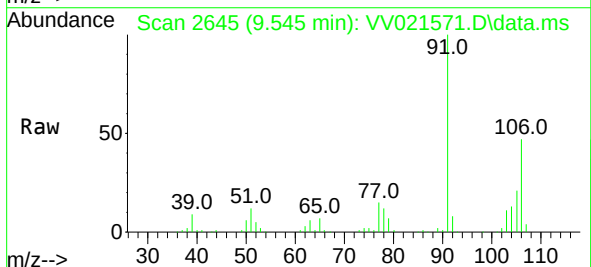
Instrument :  
MSVOA\_V  
ClientSampled :

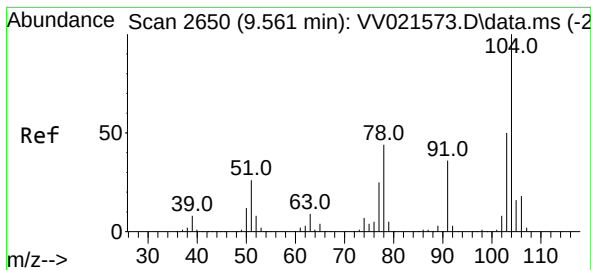
Tgt Ion:106 Resp: 32516  
Ion Ratio Lower Upper  
106 100  
91 206.2 138.7 257.5



#54  
o-Xylene  
Concen: 5.380 ug/L  
RT: 9.545 min Scan# 2645  
Delta R.T. 0.000 min  
Lab File: VV021571.D  
Acq: 29 Jun 2021 09:55

Tgt Ion:106 Resp: 32516  
Ion Ratio Lower Upper  
106 100  
91 214.8 149.0 276.8





#55

Styrene

Concen: 5.220 ug/L

RT: 9.564 min Scan# 2651

Delta R.T. 0.003 min

Lab File: VV021571.D

Acq: 29 Jun 2021 09:55

Tgt Ion: 104 Resp: 54100

Ion Ratio Lower Upper

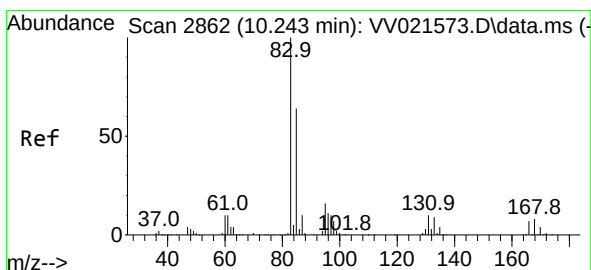
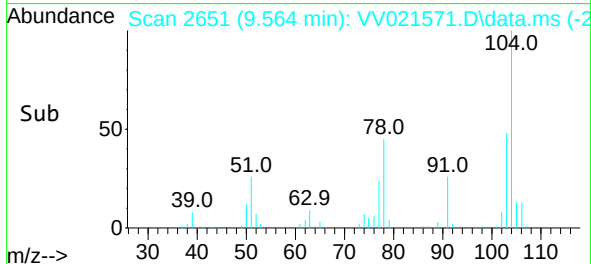
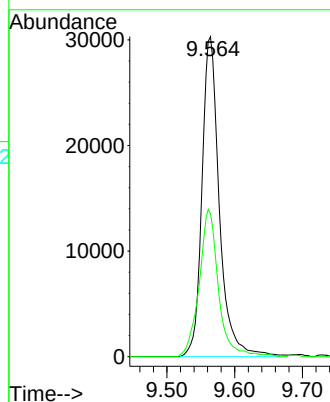
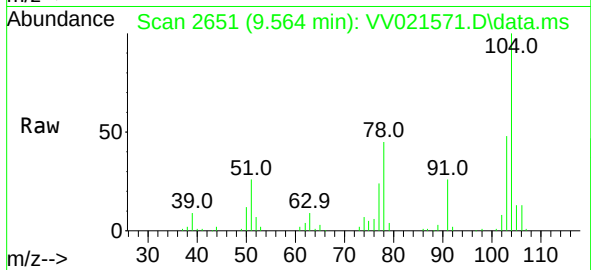
104 100

78 44.7 30.6 56.8

Instrument :

MSVOA\_V

ClientSampled :



#57

1,1,2,2-Tetrachloroethane

Concen: 5.112 ug/L

RT: 10.243 min Scan# 2862

Delta R.T. 0.000 min

Lab File: VV021571.D

Acq: 29 Jun 2021 09:55

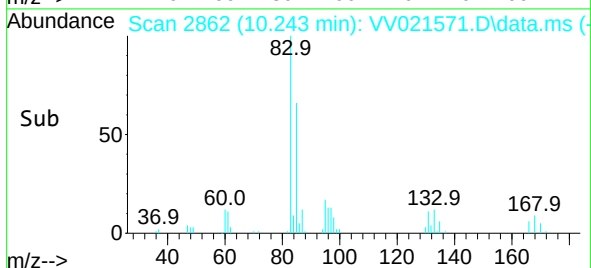
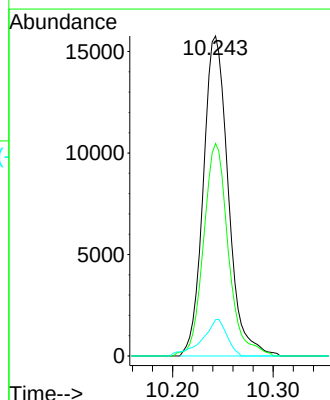
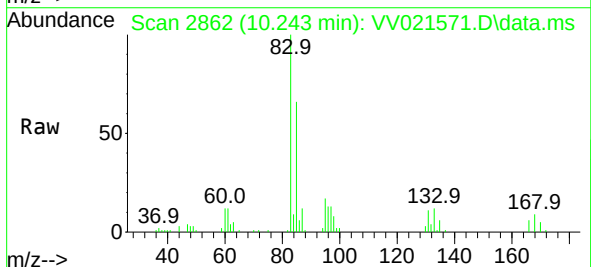
Tgt Ion: 83 Resp: 27219

Ion Ratio Lower Upper

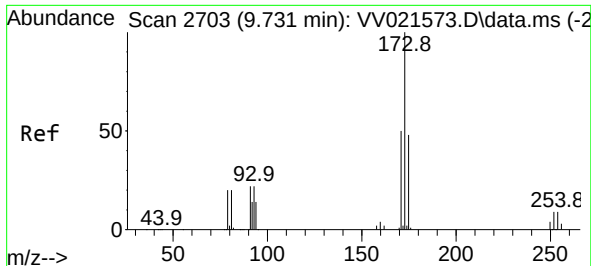
83 100

85 66.4 45.0 83.6

131 11.4 8.4 12.6



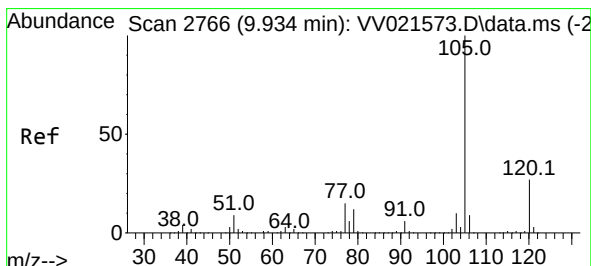
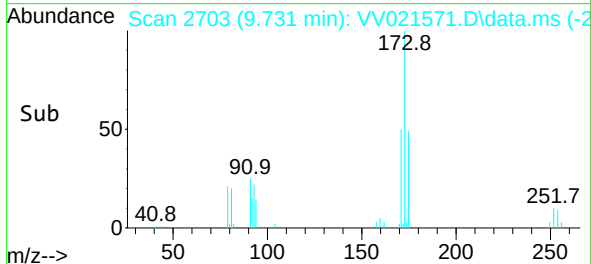
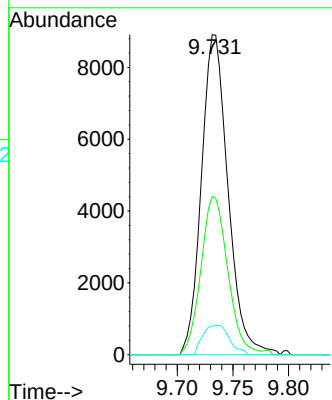
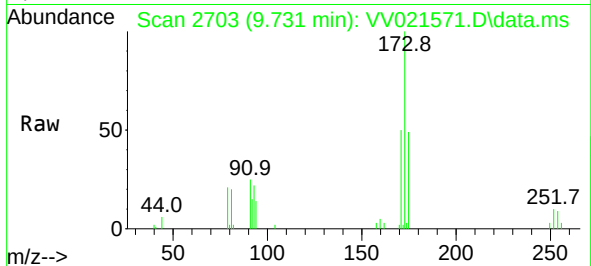




#59  
Bromoform  
Concen: 4.821 ug/L  
RT: 9.731 min Scan# 2703  
Delta R.T. 0.000 min  
Lab File: VV021571.D  
Acq: 29 Jun 2021 09:55

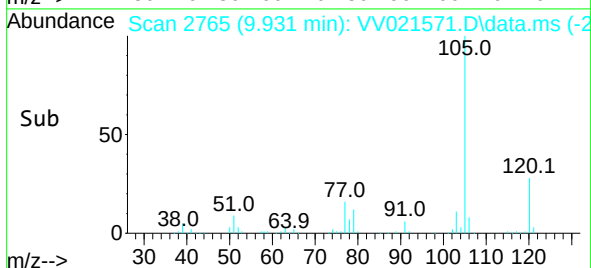
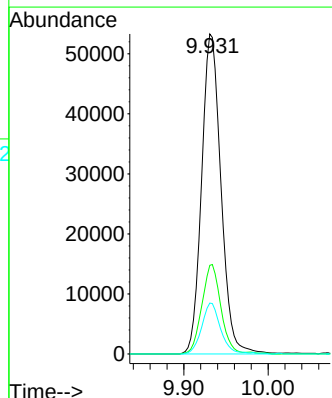
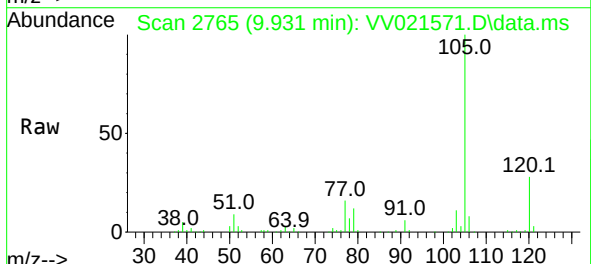
Instrument :  
MSVOA\_V  
ClientSampled :

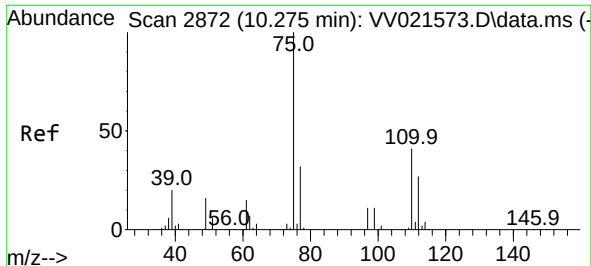
|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:173 | Resp: | 14814     |
| Ion Ratio   | Lower | Upper     |
| 173         | 100   |           |
| 175         | 49.6  | 39.0 58.6 |
| 254         | 9.1   | 7.0 10.6  |



#60  
Isopropylbenzene  
Concen: 5.895 ug/L  
RT: 9.931 min Scan# 2765  
Delta R.T. -0.003 min  
Lab File: VV021571.D  
Acq: 29 Jun 2021 09:55

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:105 | Resp: | 85370     |
| Ion Ratio   | Lower | Upper     |
| 105         | 100   |           |
| 120         | 27.3  | 21.5 32.3 |
| 77          | 15.5  | 12.0 18.0 |

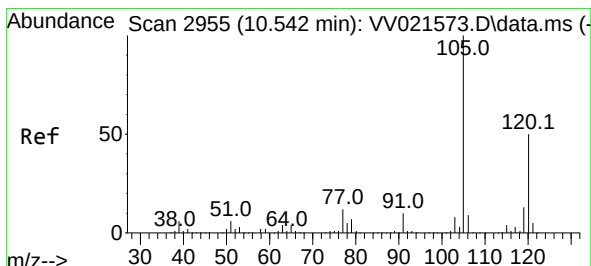
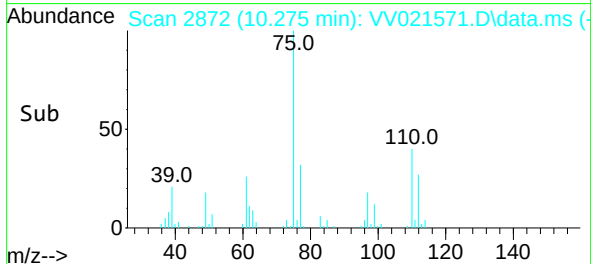
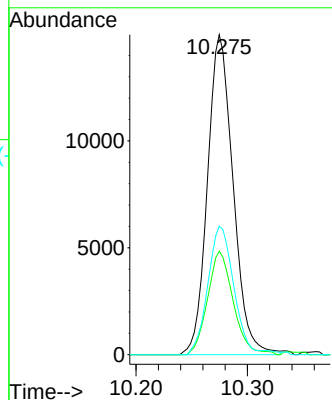
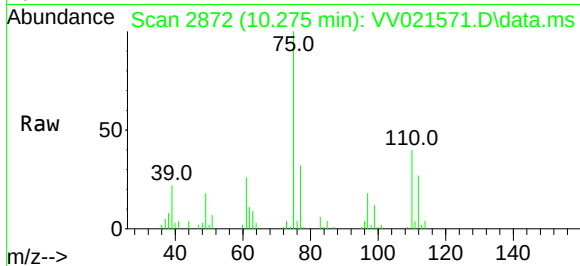




#61  
 1,2,3-Trichloropropane  
 Concen: 6.367 ug/L  
 RT: 10.275 min Scan# 2872  
 Delta R.T. 0.000 min  
 Lab File: VV021571.D  
 Acq: 29 Jun 2021 09:55

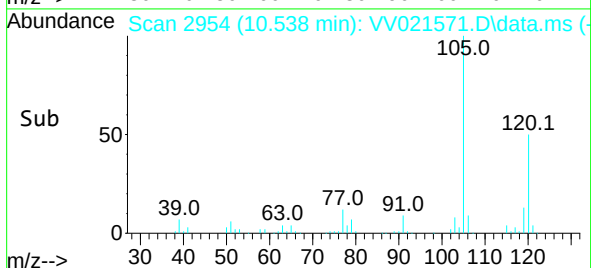
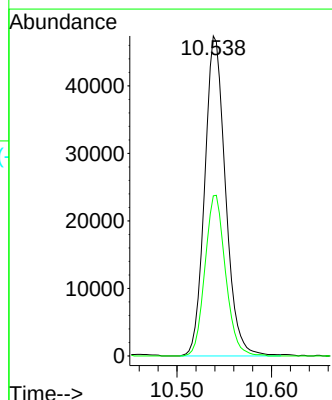
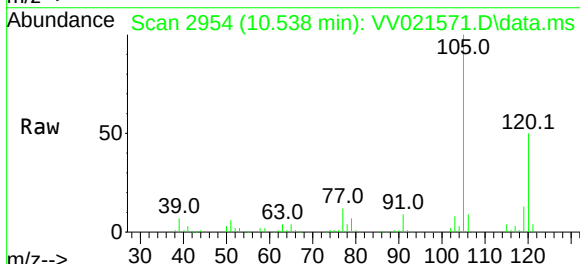
Instrument :  
 MSVOA\_V  
 ClientSampled :

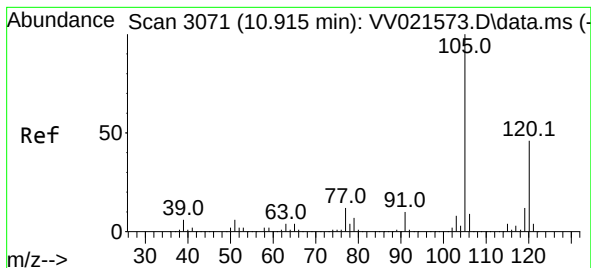
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 23935 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 77       | 32.3  | 25.8  | 38.8  |
| 110      | 40.1  | 33.0  | 49.6  |



#62  
 1,3,5-Trimethylbenzene  
 Concen: 5.823 ug/L  
 RT: 10.538 min Scan# 2954  
 Delta R.T. -0.003 min  
 Lab File: VV021571.D  
 Acq: 29 Jun 2021 09:55

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 105   | Resp: | 72480 |
| Ion      | Ratio | Lower | Upper |
| 105      | 100   |       |       |
| 120      | 49.6  | 40.0  | 60.0  |

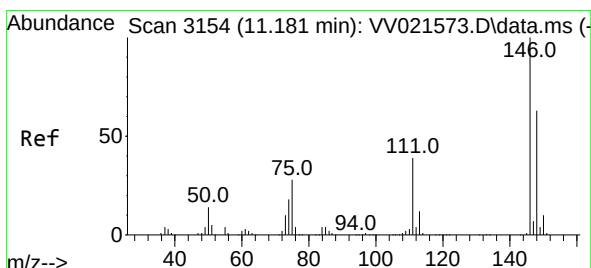
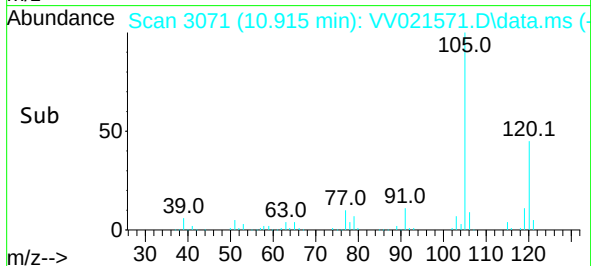
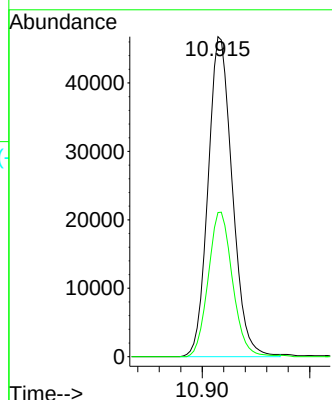
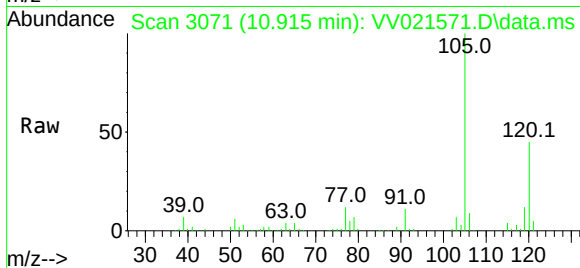




#63  
1,2,4-Trimethylbenzene  
Concen: 5.816 ug/L  
RT: 10.915 min Scan# 3071  
Delta R.T. 0.000 min  
Lab File: VV021571.D  
Acq: 29 Jun 2021 09:55

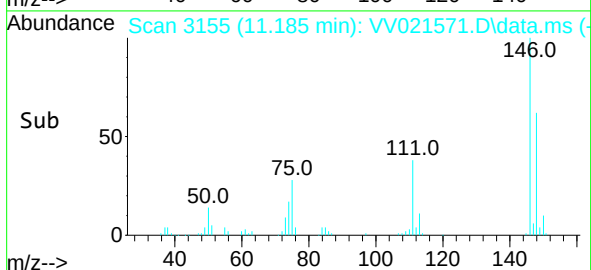
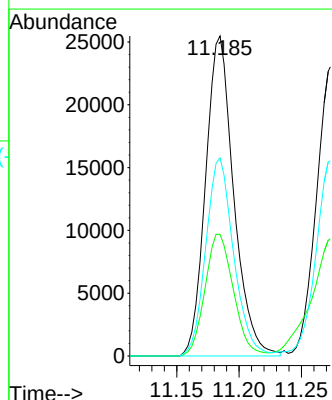
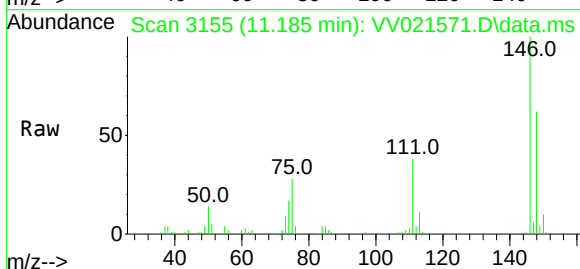
Instrument :  
MSVOA\_V  
ClientSampled :

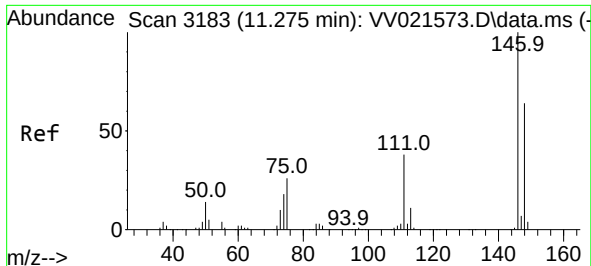
Tgt Ion:105 Resp: 73118  
Ion Ratio Lower Upper  
105 100  
120 45.2 37.1 55.7



#64  
1,3-Dichlorobenzene  
Concen: 5.555 ug/L  
RT: 11.185 min Scan# 3155  
Delta R.T. 0.003 min  
Lab File: VV021571.D  
Acq: 29 Jun 2021 09:55

Tgt Ion:146 Resp: 39988  
Ion Ratio Lower Upper  
146 100  
111 38.0 27.3 50.7  
148 61.9 44.2 82.0

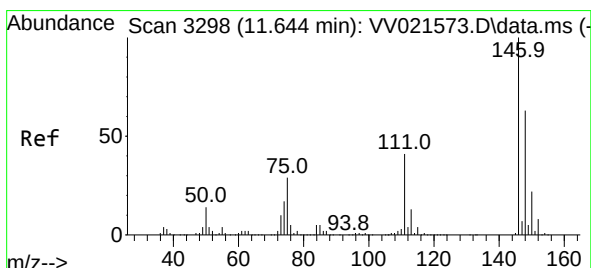
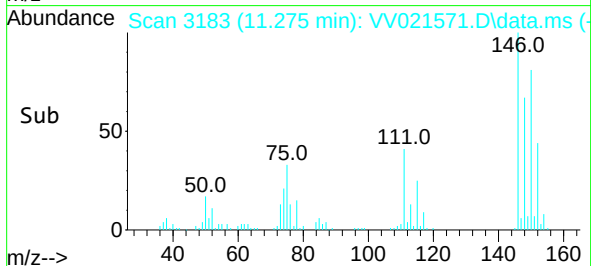
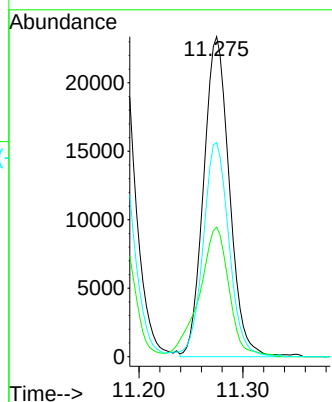
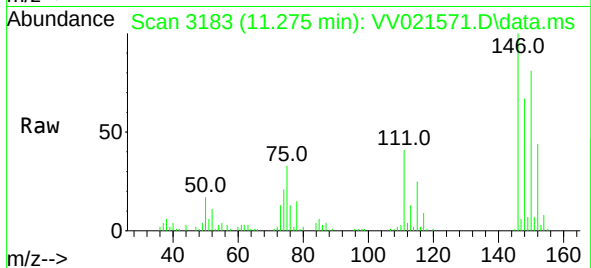




#65  
1,4-Dichlorobenzene  
Concen: 5.519 ug/L  
RT: 11.275 min Scan# 3183  
Delta R.T. 0.000 min  
Lab File: VV021571.D  
Acq: 29 Jun 2021 09:55

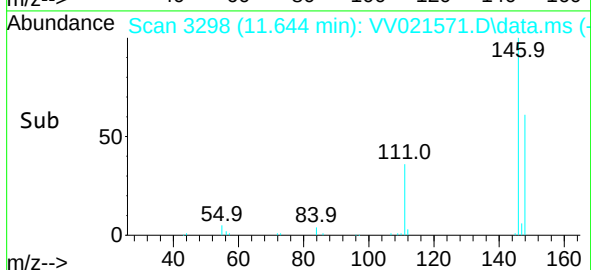
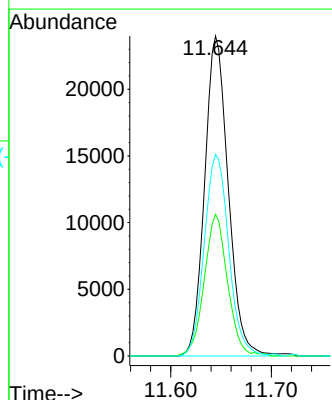
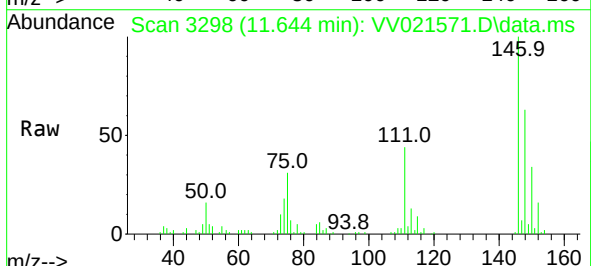
Instrument :  
MSVOA\_V  
ClientSampleId :

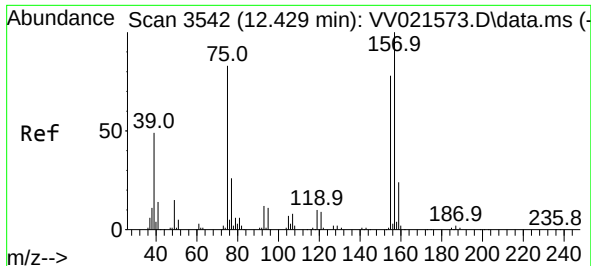
Tgt Ion:146 Resp: 40105  
Ion Ratio Lower Upper  
146 100  
111 40.5 26.6 49.4  
148 66.9 45.2 84.0



#67  
1,2-Dichlorobenzene  
Concen: 5.409 ug/L  
RT: 11.644 min Scan# 3298  
Delta R.T. 0.000 min  
Lab File: VV021571.D  
Acq: 29 Jun 2021 09:55

Tgt Ion:146 Resp: 39138  
Ion Ratio Lower Upper  
146 100  
111 44.3 32.6 48.8  
148 62.9 50.5 75.7

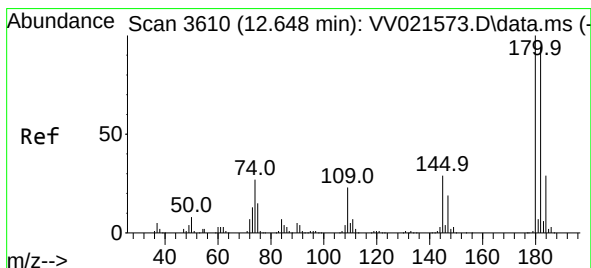
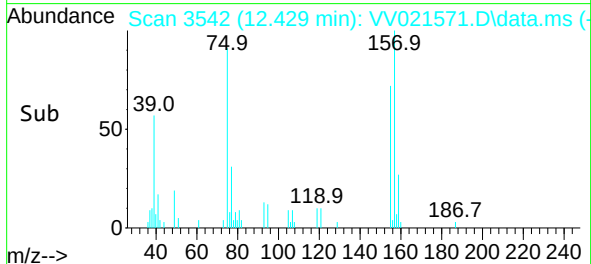
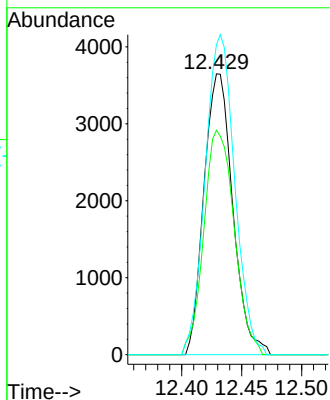
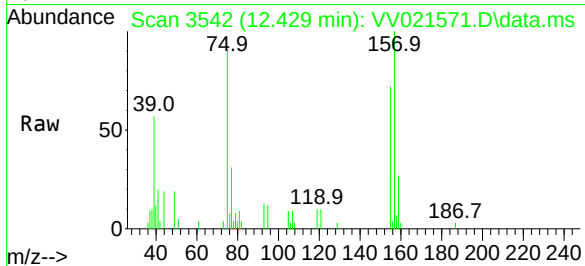




#68  
1,2-Dibromo-3-chloropropane  
Concen: 5.214 ug/L  
RT: 12.429 min Scan# 3542  
Delta R.T. 0.000 min  
Lab File: VV021571.D  
Acq: 29 Jun 2021 09:55

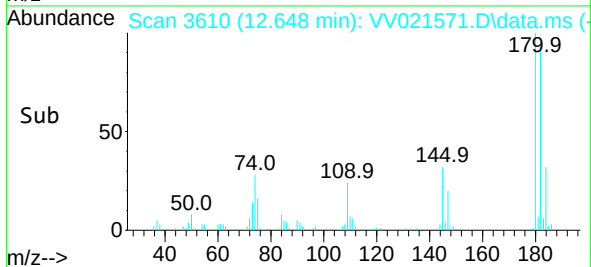
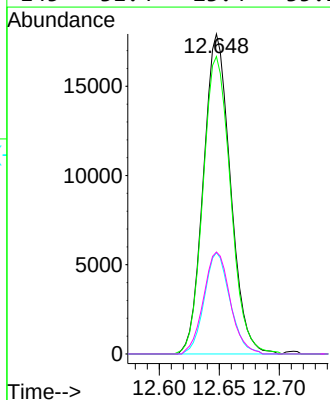
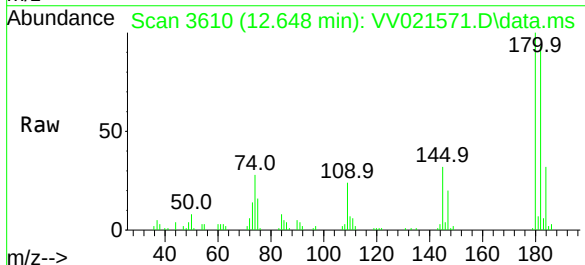
Instrument :  
MSVOA\_V  
ClientSampleId :

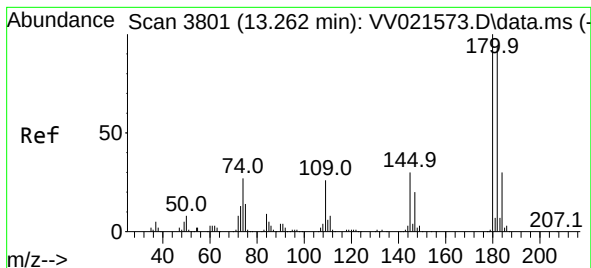
Tgt Ion: 75 Resp: 6093  
Ion Ratio Lower Upper  
75 100  
155 80.0 75.9 113.9  
157 110.4 96.7 145.1



#69  
1,3,5-Trichlorobenzene  
Concen: 4.716 ug/L  
RT: 12.648 min Scan# 3610  
Delta R.T. 0.000 min  
Lab File: VV021571.D  
Acq: 29 Jun 2021 09:55

Tgt Ion:180 Resp: 28043  
Ion Ratio Lower Upper  
180 100  
182 95.1 75.0 112.4  
184 30.1 23.8 35.6  
145 31.4 23.4 35.2





#70

1,2,4-trichlorobenzene

Concen: 4.074 ug/L

RT: 13.265 min Scan# 3802

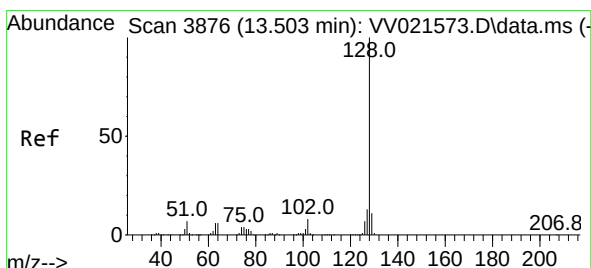
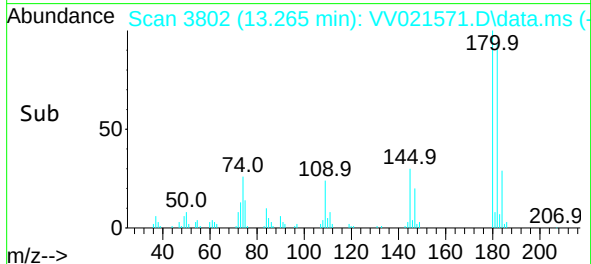
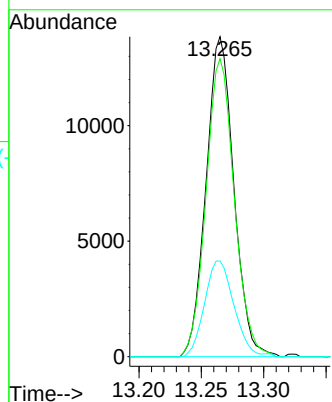
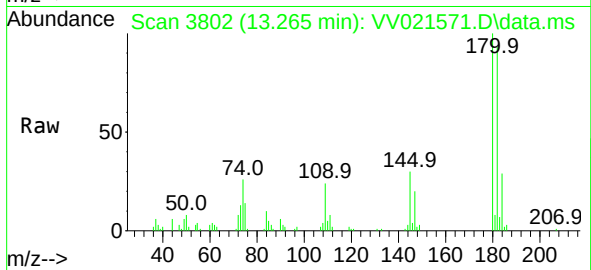
Delta R.T. 0.003 min

Lab File: VV021571.D

Acq: 29 Jun 2021 09:55

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:180 | Resp: | 21495      |
| Ion Ratio   | Lower | Upper      |
| 180         | 100   |            |
| 182         | 94.8  | 75.4 113.2 |
| 145         | 31.3  | 24.1 36.1  |

Instrument :  
MSVOA\_V  
ClientSampleId :



#71

Naphthalene

Concen: 3.741 ug/L

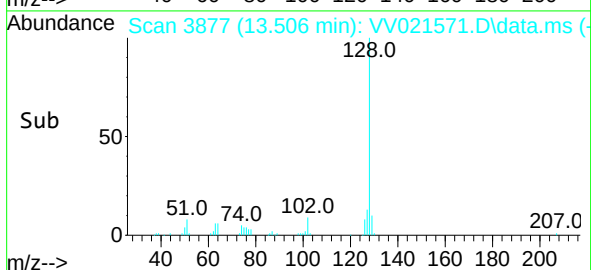
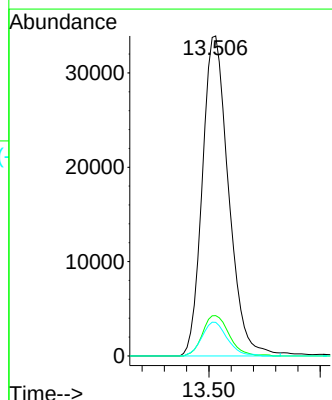
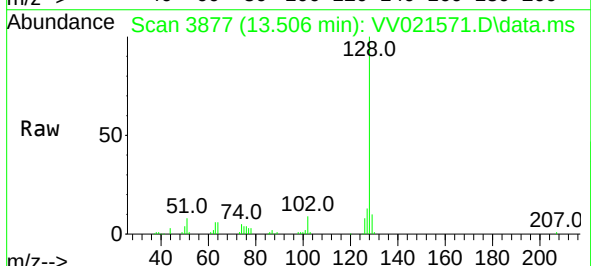
RT: 13.506 min Scan# 3877

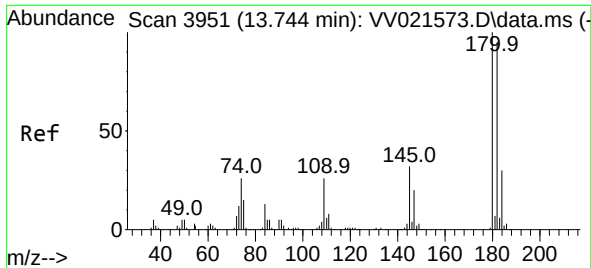
Delta R.T. 0.003 min

Lab File: VV021571.D

Acq: 29 Jun 2021 09:55

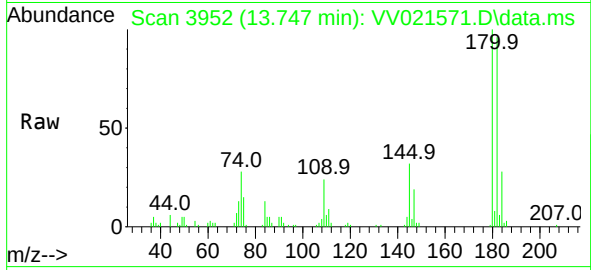
|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:128 | Resp: | 55499     |
| Ion Ratio   | Lower | Upper     |
| 128         | 100   |           |
| 127         | 12.7  | 10.2 15.2 |
| 129         | 10.3  | 8.6 13.0  |





#72  
 1,2,3-Trichlorobenzene  
 Concen: 4.080 ug/L  
 RT: 13.747 min Scan# 3952  
 Delta R.T. 0.003 min  
 Lab File: VV021571.D  
 Acq: 29 Jun 2021 09:55

Instrument :  
 MSVOA\_V  
 ClientSampleId :



|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 180   | Resp: | 21039 |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 96.8  | 75.8  | 113.6 |
| 145       | 33.6  | 25.7  | 38.5  |

