

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW100521\  
 Data File : VW022579.D  
 Acq On : 05 Oct 2021 16:38  
 Operator : SY/MD  
 Sample : M3814-06MSD  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Oct 06 05:29:27 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR100421WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Wed Oct 06 05:22:36 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.619  | 114   | 104661   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.854  | 117   | 99914    | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.252 | 152   | 55550    | 5.000    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.304  | 65    | 19577    | 5.838    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 116.800% |
| 7) Chloroethane-d5            | 1.561  | 69    | 26396    | 5.840    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 116.800% |
| 11) 1,1-Dichloroethene-d2     | 2.108  | 63    | 52703    | 5.417    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 108.400% |
| 20) 2-Butanone-d5             | 3.876  | 46    | 84561    | 42.660   | ug/L   | -0.03    |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 85.320%  |
| 24) Chloroform-d              | 4.352  | 84    | 64495    | 4.995    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 99.800%  |
| 26) 1,2-Dichloroethane-d4     | 5.034  | 65    | 29757    | 4.892    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 97.800%  |
| 32) Benzene-d6                | 5.053  | 84    | 114939   | 5.105    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 102.200% |
| 36) 1,2-Dichloropropane-d6    | 6.072  | 67    | 36281    | 4.567    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 91.400%  |
| 41) Toluene-d8                | 7.320  | 98    | 100353   | 5.317    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 106.400% |
| 43) trans-1,3-Dichloroprop... | 7.625  | 79    | 8617     | 4.099    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 82.000%  |
| 46) 2-Hexanone-d5             | 8.088  | 63    | 62391    | 47.933   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 95.860%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.217 | 84    | 28215    | 4.675    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 93.400%  |
| 66) 1,2-Dichlorobenzene-d4    | 11.625 | 152   | 42017    | 4.890    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 97.800%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.127  | 85    | 42083    | 5.280    | ug/L   | 99       |
| 3) Chloromethane              | 1.240  | 50    | 44764    | 5.609    | ug/L   | 99       |
| 5) Vinyl chloride             | 1.307  | 62    | 43296    | 5.375    | ug/L   | 98       |
| 6) Bromomethane               | 1.513  | 94    | 27359    | 5.117    | ug/L   | 100      |
| 8) Chloroethane               | 1.581  | 64    | 27593    | 5.386    | ug/L   | 99       |
| 9) Trichlorofluoromethane     | 1.751  | 101   | 66218    | 5.494    | ug/L   | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.114  | 101   | 36457    | 5.261    | ug/L   | 98       |
| 12) 1,1-Dichloroethene        | 2.117  | 96    | 35370    | 5.517    | ug/L   | 98       |
| 13) Acetone                   | 2.159  | 43    | 55433    | 52.003   | ug/L # | 42       |
| 14) Carbon disulfide          | 2.291  | 76    | 103779   | 5.533    | ug/L   | 98       |
| 15) Methyl Acetate            | 2.433  | 43    | 8009     | 2.551    | ug/L # | 81       |
| 16) Methylene chloride        | 2.507  | 84    | 37699    | 5.103    | ug/L   | 96       |
| 17) Methyl tert-butyl Ether   | 2.770  | 73    | 74713    | 4.586    | ug/L   | 98       |
| 18) trans-1,2-Dichloroethene  | 2.761  | 96    | 35519    | 5.084    | ug/L   | 98       |
| 19) 1,1-Dichloroethane        | 3.188  | 63    | 61582    | 4.912    | ug/L   | 99       |
| 21) 2-Butanone                | 3.960  | 43    | 75249    | 44.097   | ug/L   | 95       |
| 22) cis-1,2-Dichloroethene    | 3.912  | 96    | 37617    | 4.962    | ug/L   | 97       |
| 23) Bromochloromethane        | 4.249  | 128   | 17543    | 4.916    | ug/L   | 90       |
| 25) Chloroform                | 4.378  | 83    | 64120    | 4.684    | ug/L   | 97       |

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 Operator : SY/MD  
 Sample : M3814-06MSD  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 19 Sample Multiplier: 1

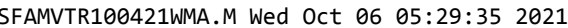
Instrument :  
 MSVOA\_V  
 ClientSampleId :

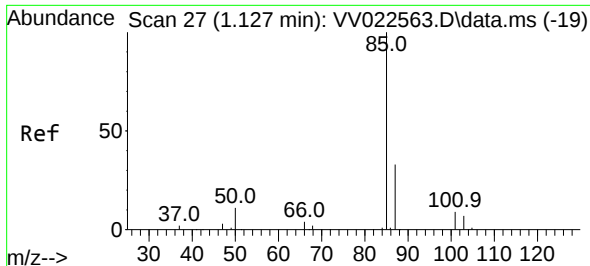
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR100421WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Wed Oct 06 05:22:36 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.133  | 62   | 35984    | 4.939  | ug/L  | 95       |
| 29) 1,1,1-Trichloroethane     | 4.609  | 97   | 57641    | 5.050  | ug/L  | 97       |
| 30) Cyclohexane               | 4.680  | 56   | 49950    | 4.829  | ug/L  | 99       |
| 31) Carbon tetrachloride      | 4.828  | 117  | 52505    | 5.185  | ug/L  | 100      |
| 33) Benzene                   | 5.101  | 78   | 139643   | 5.186  | ug/L  | 100      |
| 34) Trichloroethene           | 5.918  | 95   | 36805    | 4.704  | ug/L  | 99       |
| 35) Methylcyclohexane         | 6.133  | 83   | 51064    | 4.657  | ug/L  | 98       |
| 37) 1,2-Dichloropropane       | 6.175  | 63   | 34523    | 5.252  | ug/L  | 98       |
| 38) Bromodichloromethane      | 6.513  | 83   | 41363    | 4.966  | ug/L  | 98       |
| 39) cis-1,3-Dichloropropene   | 7.030  | 75   | 36310    | 4.099  | ug/L  | 99       |
| 40) 4-Methyl-2-pentanone      | 7.227  | 43   | 184646   | 51.030 | ug/L  | 99       |
| 42) Toluene                   | 7.391  | 91   | 153571   | 5.429  | ug/L  | 100      |
| 44) trans-1,3-Dichloropropene | 7.654  | 75   | 29815    | 4.032  | ug/L  | 97       |
| 45) 1,1,2-Trichloroethane     | 7.841  | 97   | 25331    | 5.162  | ug/L  | 98       |
| 47) Tetrachloroethene         | 7.979  | 164  | 30317    | 4.982  | ug/L  | 96       |
| 48) 2-Hexanone                | 8.140  | 43   | 135912   | 52.211 | ug/L  | 99       |
| 49) Dibromochloromethane      | 8.249  | 129  | 30160    | 5.214  | ug/L  | 90       |
| 50) 1,2-Dibromoethane         | 8.355  | 107  | 23271    | 5.101  | ug/L  | 98       |
| 51) Chlorobenzene             | 8.882  | 112  | 94999    | 5.132  | ug/L  | 97       |
| 52) Ethylbenzene              | 9.014  | 91   | 150747   | 5.193  | ug/L  | 97       |
| 53) m,p-xylene                | 9.140  | 106  | 59801    | 5.403  | ug/L  | 93       |
| 54) o-xylene                  | 9.545  | 106  | 59338    | 5.389  | ug/L  | 98       |
| 55) Styrene                   | 9.564  | 104  | 98283    | 5.250  | ug/L  | 96       |
| 57) 1,1,2,2-Tetrachloroethane | 10.243 | 83   | 25909    | 4.866  | ug/L  | 98       |
| 59) Bromoform                 | 9.735  | 173  | 16394    | 5.031  | ug/L  | 99       |
| 60) Isopropylbenzene          | 9.934  | 105  | 154943   | 5.188  | ug/L  | 100      |
| 61) 1,2,3-Trichloropropane    | 10.278 | 75   | 19411    | 4.714  | ug/L  | 97       |
| 62) 1,3,5-Trimethylbenzene    | 10.542 | 105  | 123628   | 5.106  | ug/L  | 99       |
| 63) 1,2,4-Trimethylbenzene    | 10.918 | 105  | 127171   | 5.170  | ug/L  | 100      |
| 64) 1,3-Dichlorobenzene       | 11.185 | 146  | 80948    | 5.294  | ug/L  | 98       |
| 65) 1,4-Dichlorobenzene       | 11.275 | 146  | 78005    | 4.988  | ug/L  | 99       |
| 67) 1,2-Dichlorobenzene       | 11.644 | 146  | 75030    | 5.267  | ug/L  | 98       |
| 68) 1,2-Dibromo-3-chloropr... | 12.429 | 75   | 4128     | 5.245  | ug/L  | 90       |
| 69) 1,3,5-Trichlorobenzene    | 12.648 | 180  | 57483    | 5.022  | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.262 | 180  | 47360    | 5.156  | ug/L  | 98       |
| 71) Naphthalene               | 13.503 | 128  | 78334    | 5.204  | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 13.744 | 180  | 46413    | 5.498  | ug/L  | 98       |

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

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QLast Update : Wed Oct 06 05:22:36 2021  
Response via : Initial Calibration

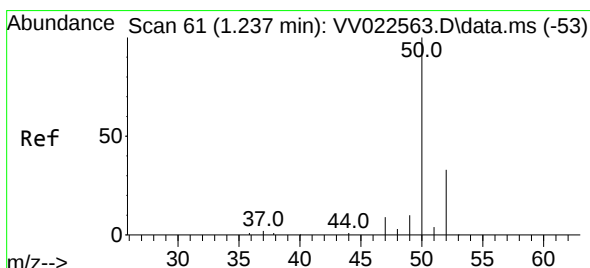
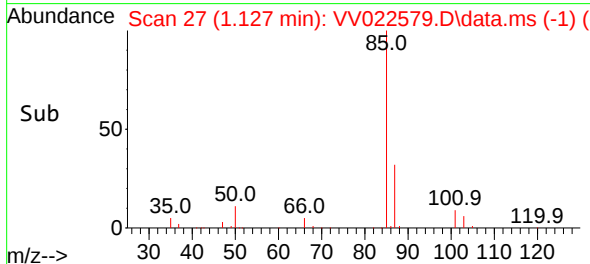
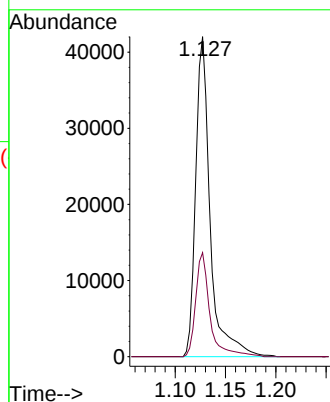
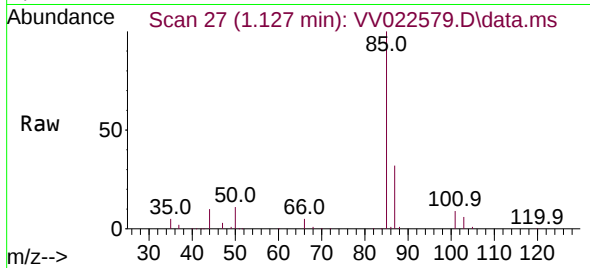




#2  
 Dichlorodifluoromethane  
 Concen: 5.280 ug/L  
 RT: 1.127 min Scan# 27  
 Delta R.T. -0.000 min  
 Lab File: VV022579.D  
 Acq: 05 Oct 2021 16:38

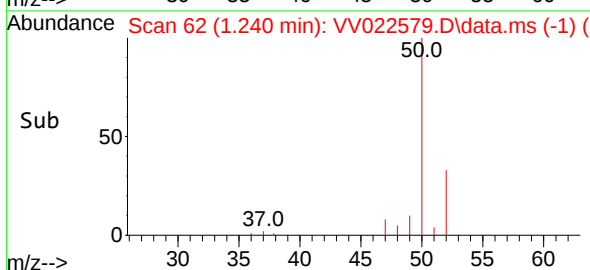
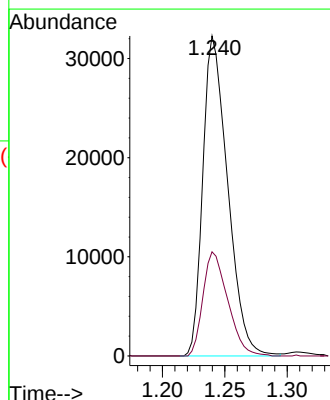
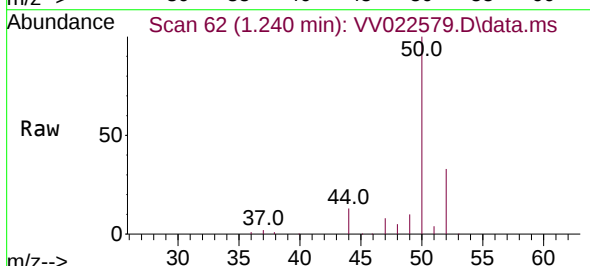
Instrument :  
 MSVOA\_V  
 ClientSampleId :

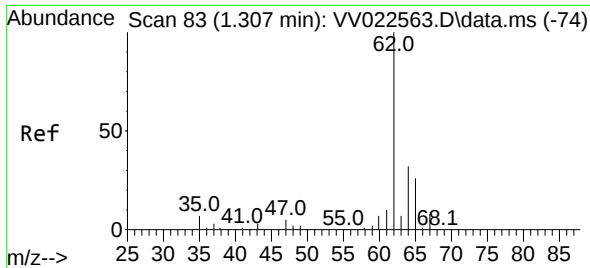
Tgt Ion: 85 Resp: 42083  
 Ion Ratio Lower Upper  
 85 100  
 87 32.1 25.4 38.0



#3  
 Chloromethane  
 Concen: 5.609 ug/L  
 RT: 1.240 min Scan# 62  
 Delta R.T. 0.003 min  
 Lab File: VV022579.D  
 Acq: 05 Oct 2021 16:38

Tgt Ion: 50 Resp: 44764  
 Ion Ratio Lower Upper  
 50 100  
 52 32.5 23.0 42.8

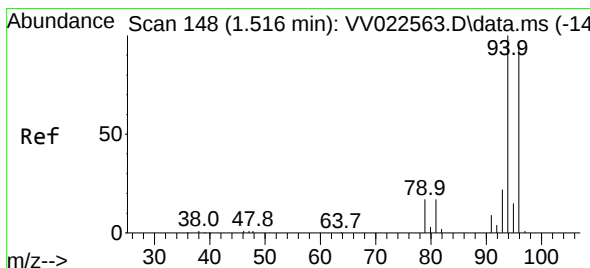
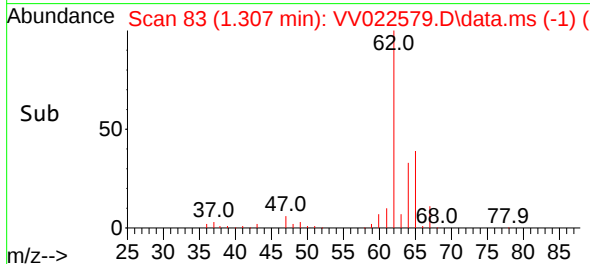
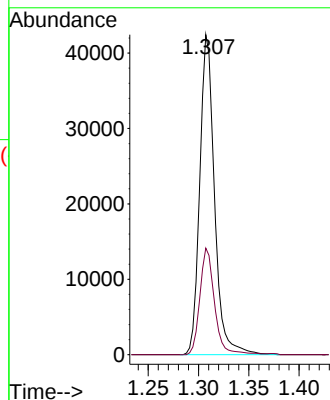
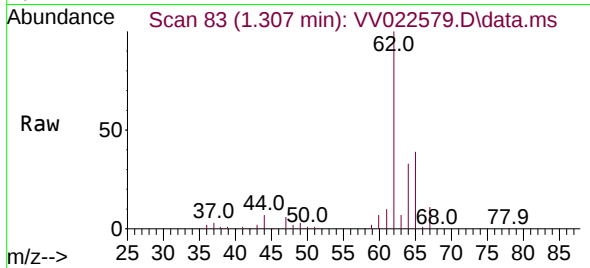




#5  
 Vinyl chloride  
 Concen: 5.375 ug/L  
 RT: 1.307 min Scan# 83  
 Delta R.T. -0.000 min  
 Lab File: VV022579.D  
 Acq: 05 Oct 2021 16:38

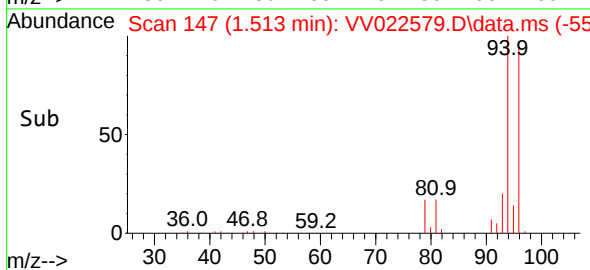
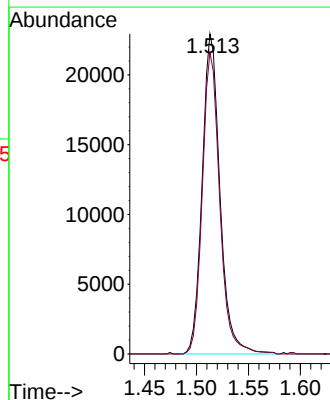
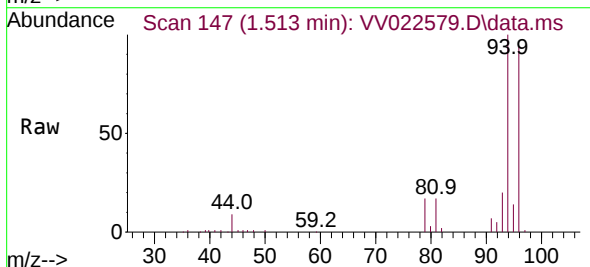
Instrument :  
 MSVOA\_V  
 ClientSampled :

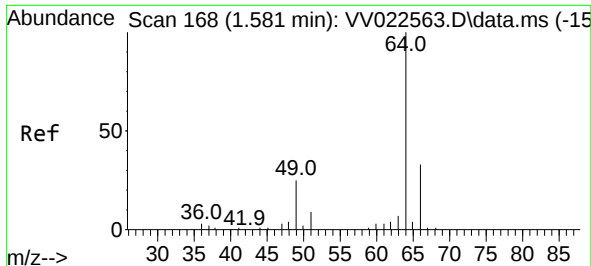
Tgt Ion: 62 Resp: 43296  
 Ion Ratio Lower Upper  
 62 100  
 64 33.3 22.3 41.5



#6  
 Bromomethane  
 Concen: 5.117 ug/L  
 RT: 1.513 min Scan# 147  
 Delta R.T. -0.003 min  
 Lab File: VV022579.D  
 Acq: 05 Oct 2021 16:38

Tgt Ion: 94 Resp: 27359  
 Ion Ratio Lower Upper  
 94 100  
 96 94.2 65.9 122.3

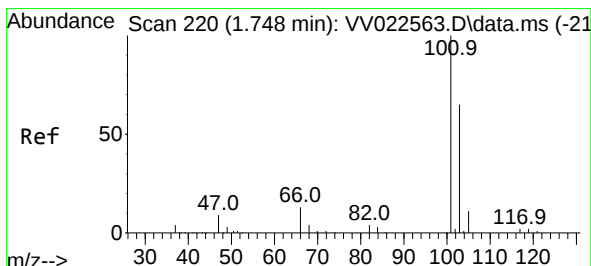
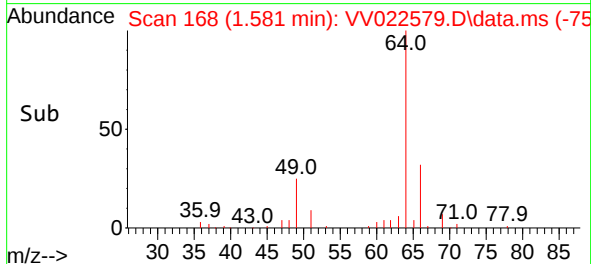
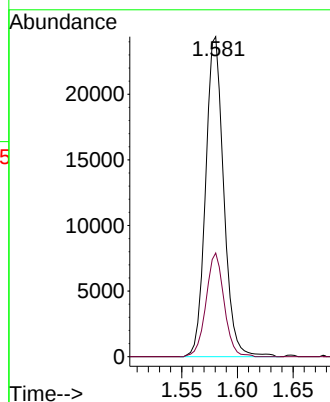
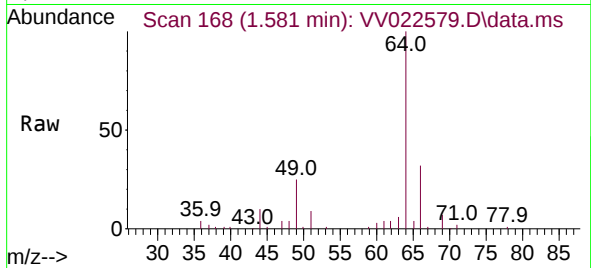




#8  
Chloroethane  
Concen: 5.386 ug/L  
RT: 1.581 min Scan# 168  
Delta R.T. -0.000 min  
Lab File: VV022579.D  
Acq: 05 Oct 2021 16:38

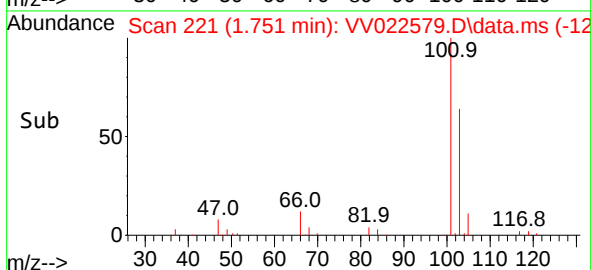
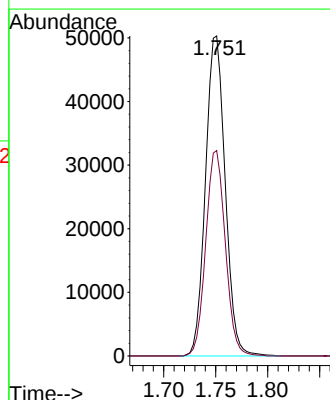
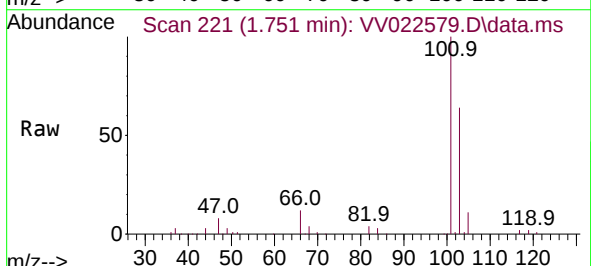
Instrument :  
MSVOA\_V  
ClientSampleId :

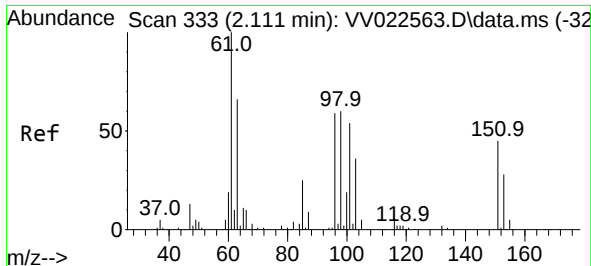
Tgt Ion: 64 Resp: 27593  
Ion Ratio Lower Upper  
64 100  
66 32.4 23.2 43.0



#9  
Trichlorofluoromethane  
Concen: 5.494 ug/L  
RT: 1.751 min Scan# 221  
Delta R.T. 0.003 min  
Lab File: VV022579.D  
Acq: 05 Oct 2021 16:38

Tgt Ion:101 Resp: 66218  
Ion Ratio Lower Upper  
101 100  
103 63.9 51.4 77.2

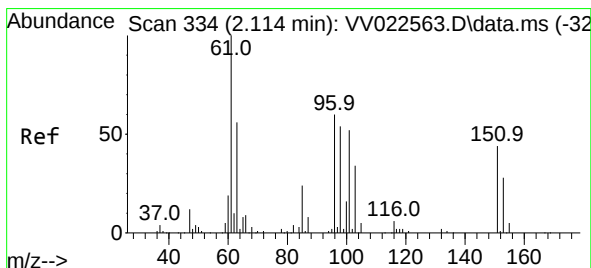
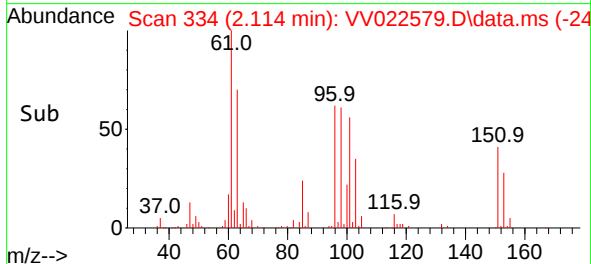
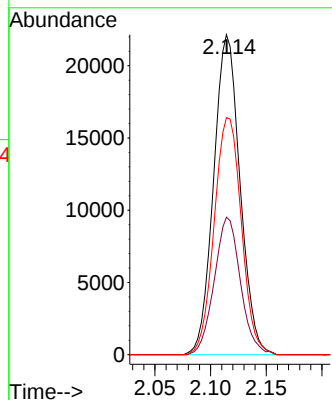
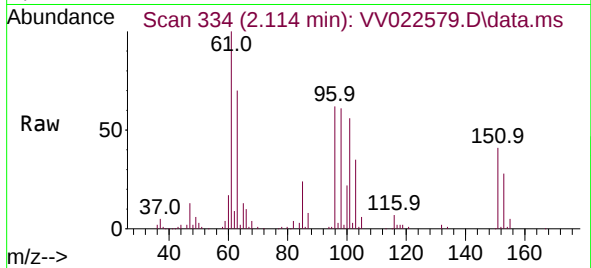




#10  
1,1,2-Trichloro-1,2,2-trifluoroethane  
Concen: 5.261 ug/L  
RT: 2.114 min Scan# 334  
Delta R.T. 0.003 min  
Lab File: VV022579.D  
Acq: 05 Oct 2021 16:38

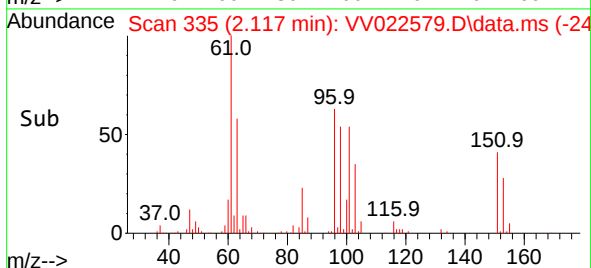
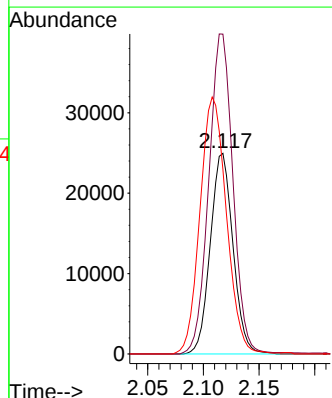
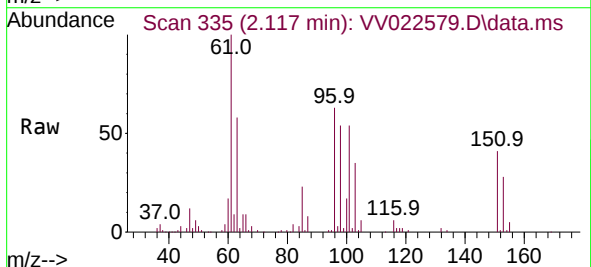
Instrument :  
MSVOA\_V  
ClientSampleId :

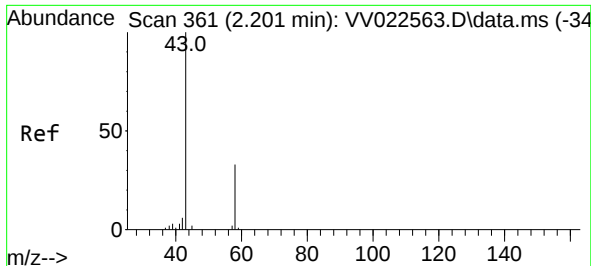
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Ion Ratio Lower Upper  
101 100  
85 42.7 35.8 53.6  
151 76.4 61.9 92.9



#12  
1,1-Dichloroethene  
Concen: 5.517 ug/L  
RT: 2.117 min Scan# 335  
Delta R.T. 0.003 min  
Lab File: VV022579.D  
Acq: 05 Oct 2021 16:38

Tgt Ion: 96 Resp: 35370  
Ion Ratio Lower Upper  
96 100  
61 159.4 113.2 210.2  
63 91.9 66.6 123.8

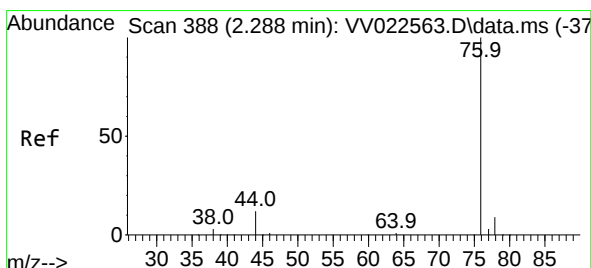
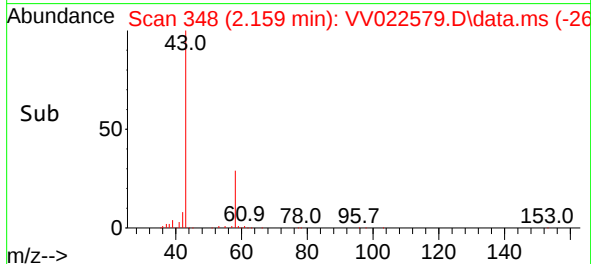
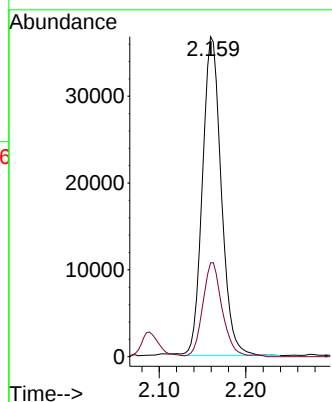
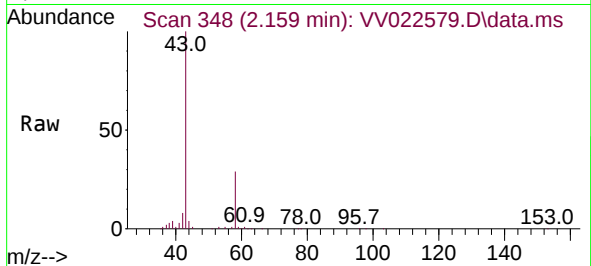




#13  
Acetone  
Concen: 52.003 ug/L  
RT: 2.159 min Scan# 348  
Delta R.T. -0.042 min  
Lab File: VV022579.D  
Acq: 05 Oct 2021 16:38

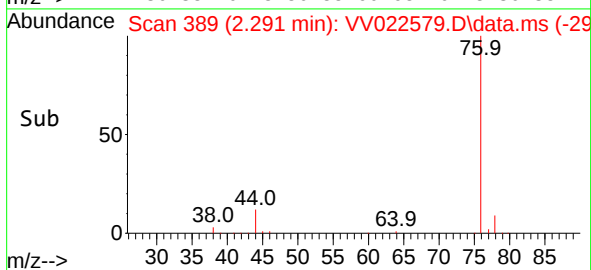
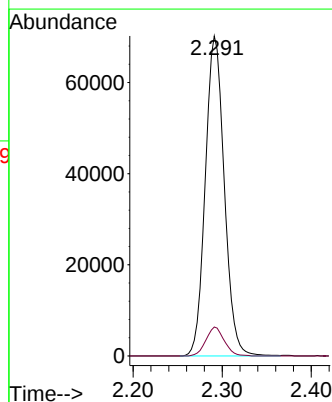
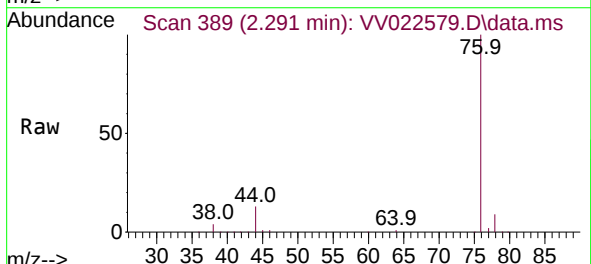
Instrument :  
MSVOA\_V  
ClientSampleId :

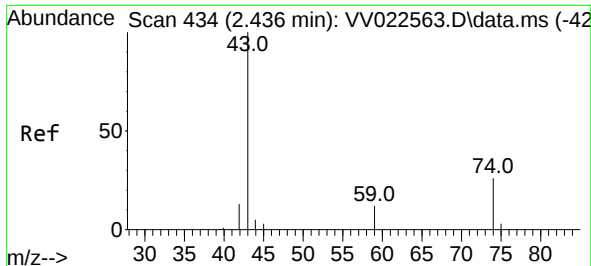
Tgt Ion: 43 Resp: 55433  
Ion Ratio Lower Upper  
43 100  
58 29.6 0.0 17.6#



#14  
Carbon disulfide  
Concen: 5.533 ug/L  
RT: 2.291 min Scan# 389  
Delta R.T. 0.003 min  
Lab File: VV022579.D  
Acq: 05 Oct 2021 16:38

Tgt Ion: 76 Resp: 103779  
Ion Ratio Lower Upper  
76 100  
78 9.1 7.8 11.6

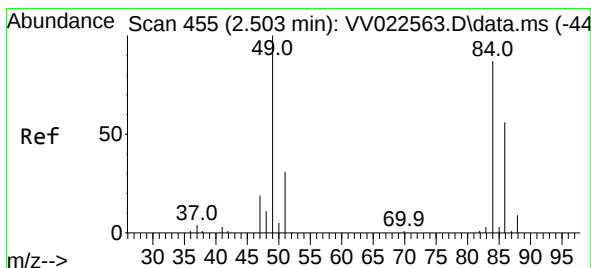
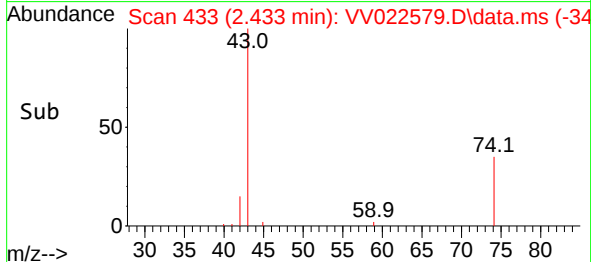
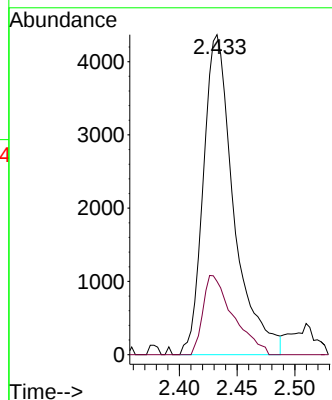
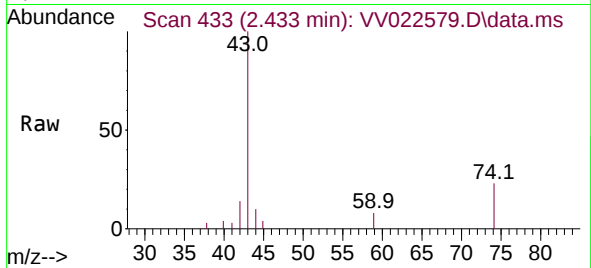




#15  
Methyl Acetate  
Concen: 2.551 ug/L  
RT: 2.433 min Scan# 433  
Delta R.T. -0.003 min  
Lab File: VV022579.D  
Acq: 05 Oct 2021 16:38

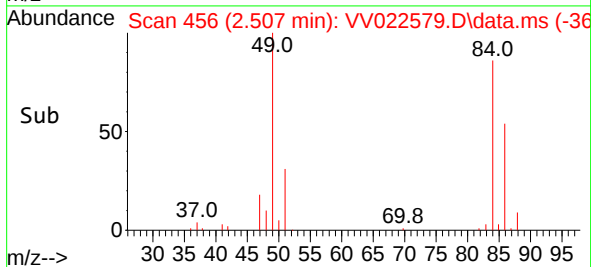
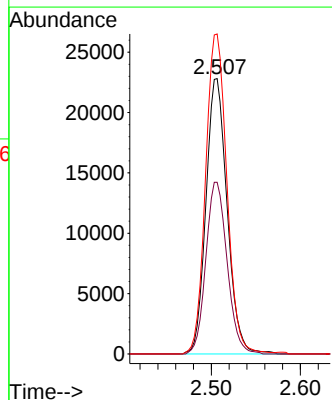
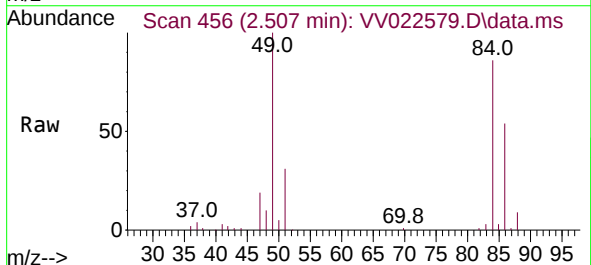
Instrument :  
MSVOA\_V  
ClientSampleId :

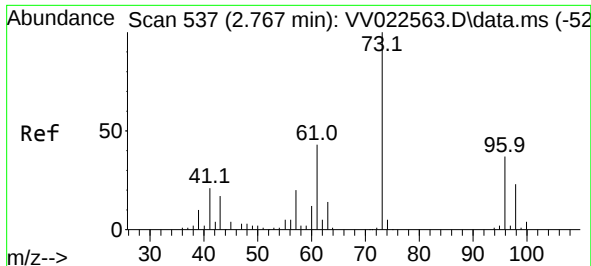
Tgt Ion: 43 Resp: 8009  
Ion Ratio Lower Upper  
43 100  
74 24.5 13.0 19.4#



#16  
Methylene chloride  
Concen: 5.103 ug/L  
RT: 2.507 min Scan# 456  
Delta R.T. 0.003 min  
Lab File: VV022579.D  
Acq: 05 Oct 2021 16:38

Tgt Ion: 84 Resp: 37699  
Ion Ratio Lower Upper  
84 100  
86 62.4 44.0 81.8  
49 116.2 85.9 159.5

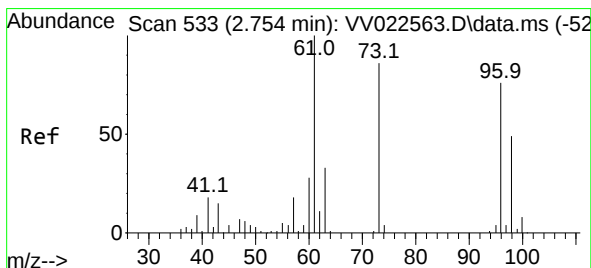
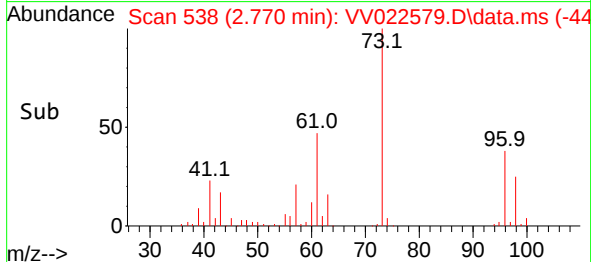
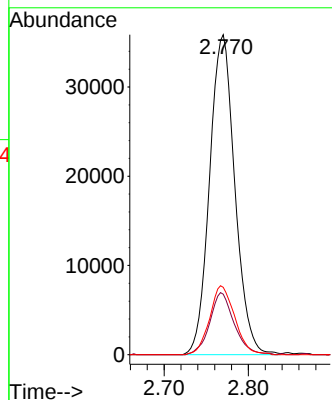
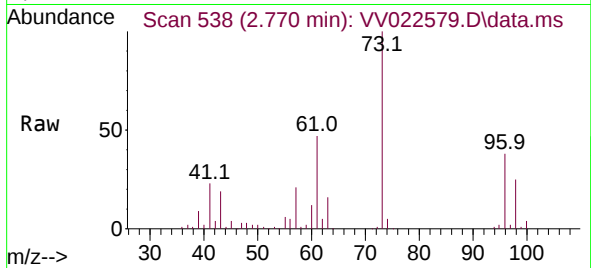




#17  
Methyl tert-butyl Ether  
Concen: 4.586 ug/L  
RT: 2.770 min Scan# 538  
Delta R.T. 0.003 min  
Lab File: VV022579.D  
Acq: 05 Oct 2021 16:38

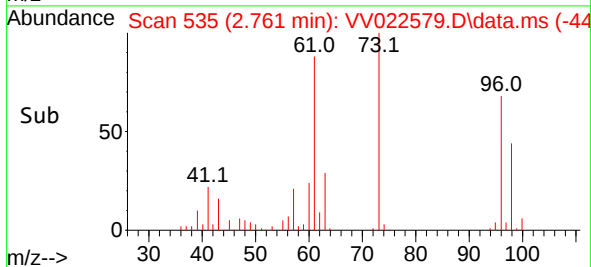
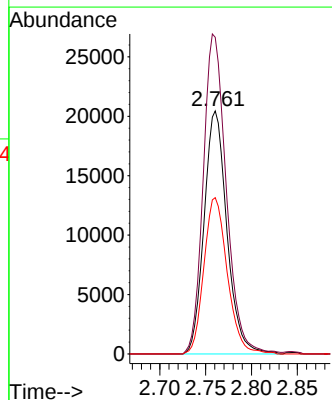
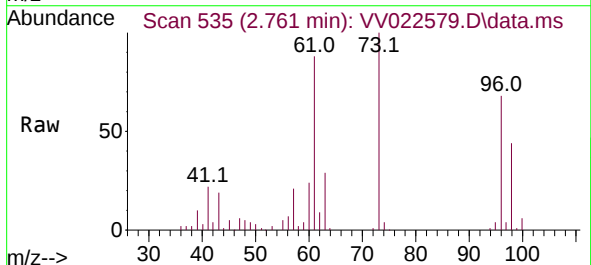
Instrument :  
MSVOA\_V  
ClientSampleId :

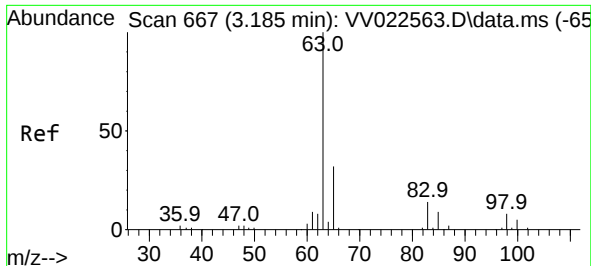
Tgt Ion: 73 Resp: 74713  
Ion Ratio Lower Upper  
73 100  
43 18.7 16.3 24.5  
57 21.4 17.5 26.3



#18  
trans-1,2-Dichloroethene  
Concen: 5.084 ug/L  
RT: 2.761 min Scan# 535  
Delta R.T. 0.006 min  
Lab File: VV022579.D  
Acq: 05 Oct 2021 16:38

Tgt Ion: 96 Resp: 35519  
Ion Ratio Lower Upper  
96 100  
61 130.2 94.0 174.6  
98 64.3 44.9 83.3

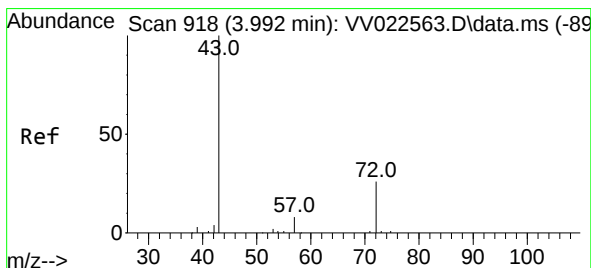
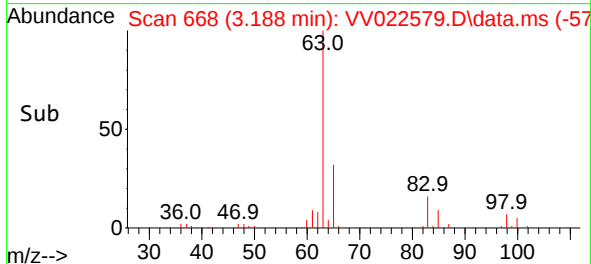
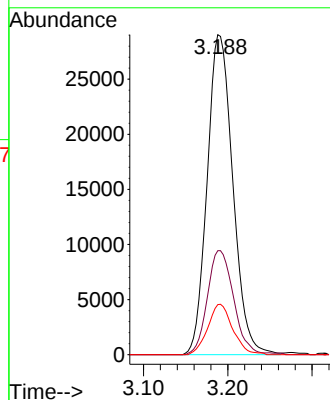
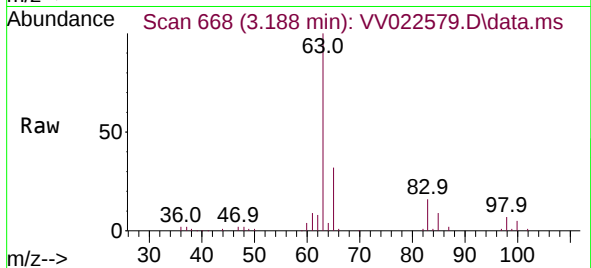




#19  
1,1-Dichloroethane  
Concen: 4.912 ug/L  
RT: 3.188 min Scan# 668  
Delta R.T. 0.003 min  
Lab File: VV022579.D  
Acq: 05 Oct 2021 16:38

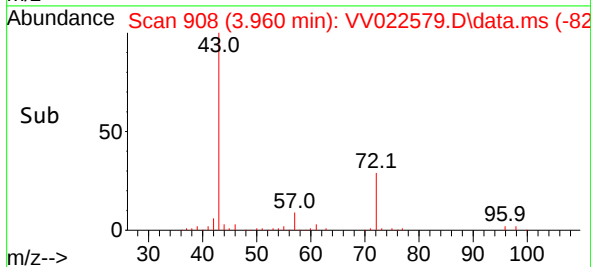
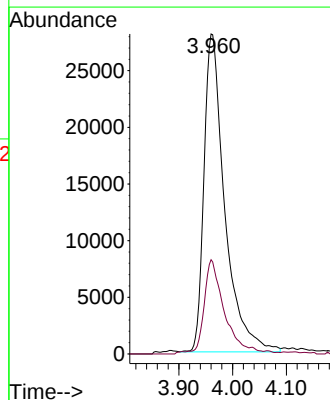
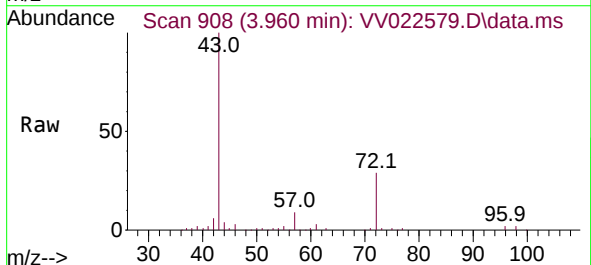
Instrument :  
MSVOA\_V  
ClientSampleId :

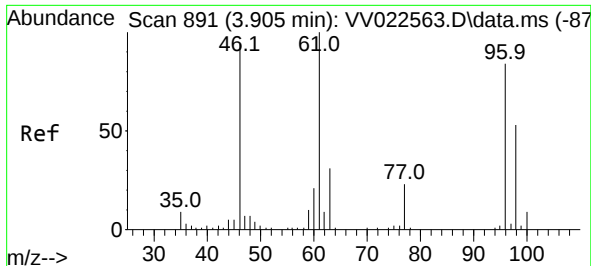
Tgt Ion: 63 Resp: 61582  
Ion Ratio Lower Upper  
63 100  
65 32.5 22.8 42.4  
83 15.7 10.2 19.0



#21  
2-Butanone  
Concen: 44.097 ug/L  
RT: 3.960 min Scan# 908  
Delta R.T. -0.032 min  
Lab File: VV022579.D  
Acq: 05 Oct 2021 16:38

Tgt Ion: 43 Resp: 75249  
Ion Ratio Lower Upper  
43 100  
72 28.2 12.7 38.1

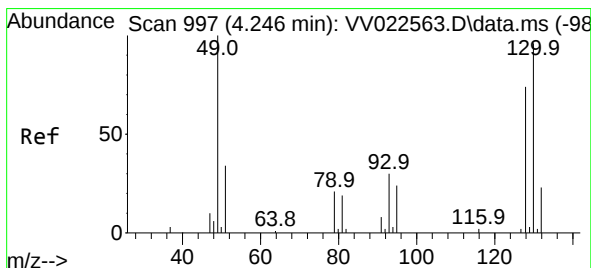
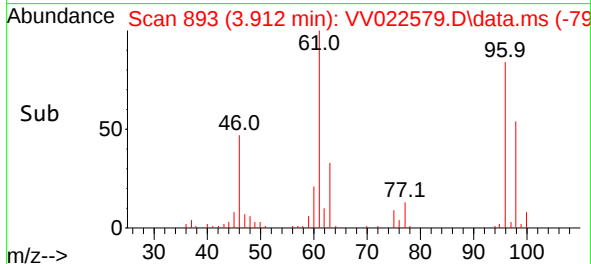
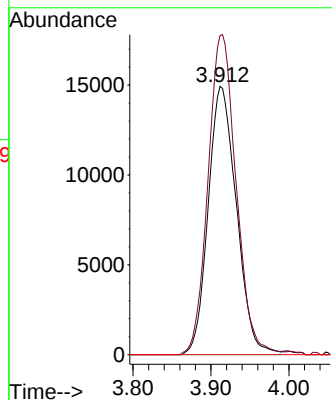
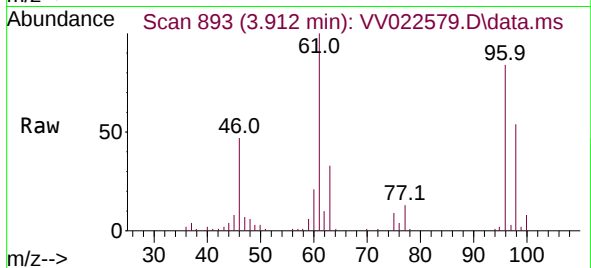




#22  
cis-1,2-Dichloroethene  
Concen: 4.962 ug/L  
RT: 3.912 min Scan# 893  
Delta R.T. 0.006 min  
Lab File: VV022579.D  
Acq: 05 Oct 2021 16:38

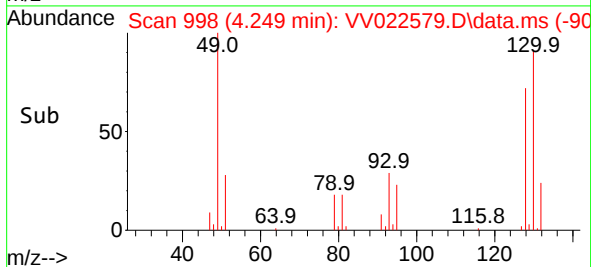
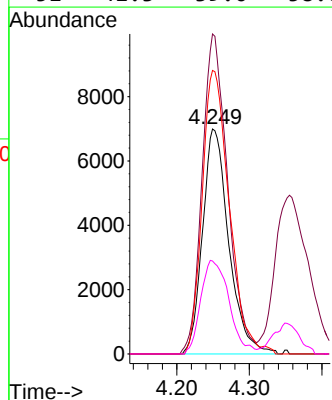
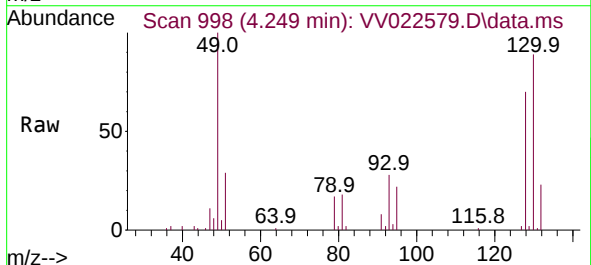
Instrument :  
MSVOA\_V  
ClientSampleId :

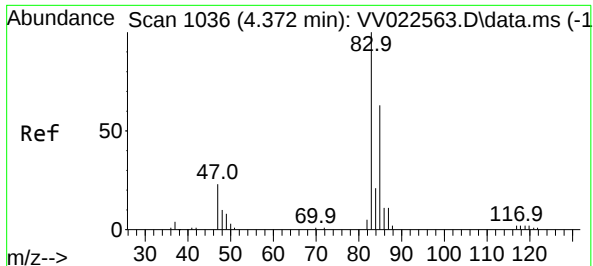
Tgt Ion: 96 Resp: 37617  
Ion Ratio Lower Upper  
96 100  
61 119.0 85.6 159.0  
68 0.0 0.0 0.0



#23  
Bromochloromethane  
Concen: 4.916 ug/L  
RT: 4.249 min Scan# 998  
Delta R.T. 0.003 min  
Lab File: VV022579.D  
Acq: 05 Oct 2021 16:38

Tgt Ion:128 Resp: 17543  
Ion Ratio Lower Upper  
128 100  
49 142.2 110.7 205.5  
130 126.0 93.2 173.2  
51 41.3 39.0 58.6



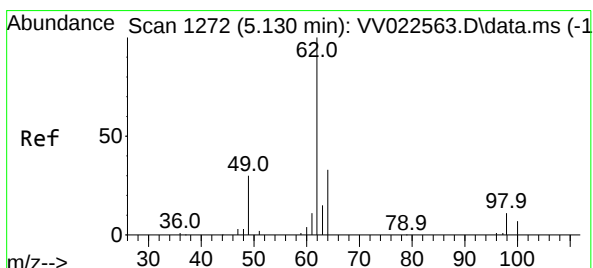
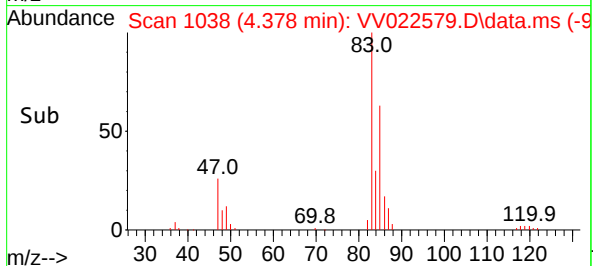
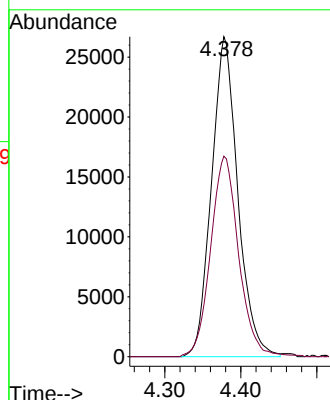
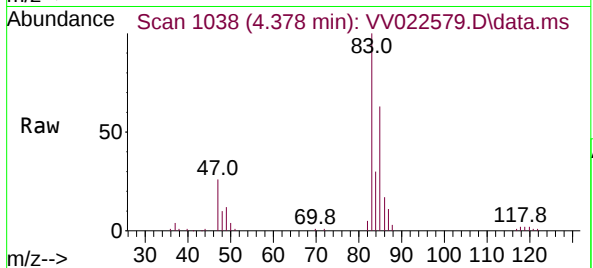


#25

Chloroform  
Concen: 4.684 ug/L  
RT: 4.378 min Scan# 1038  
Delta R.T. 0.006 min  
Lab File: VV022579.D  
Acq: 05 Oct 2021 16:38

Instrument :  
MSVOA\_V  
ClientSampled :

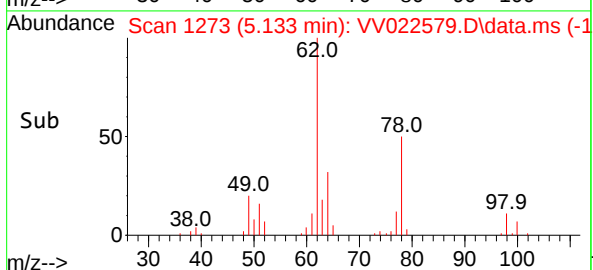
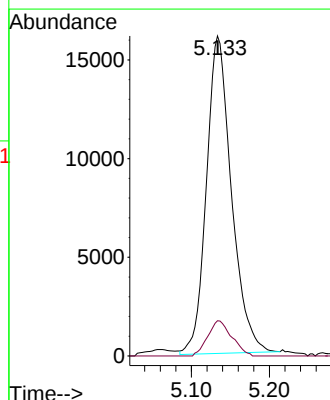
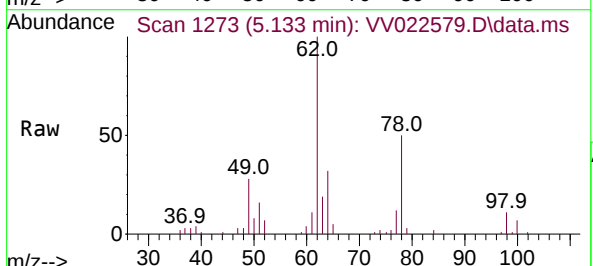
Tgt Ion: 83 Resp: 64120  
Ion Ratio Lower Upper  
83 100  
85 62.6 45.6 84.8

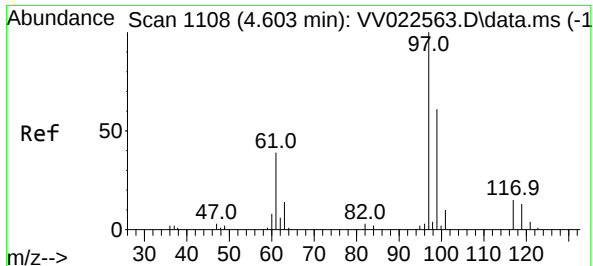


#27

1,2-Dichloroethane  
Concen: 4.939 ug/L  
RT: 5.133 min Scan# 1273  
Delta R.T. 0.003 min  
Lab File: VV022579.D  
Acq: 05 Oct 2021 16:38

Tgt Ion: 62 Resp: 35984  
Ion Ratio Lower Upper  
62 100  
98 11.0 7.4 11.2





#29

1,1,1-Trichloroethane

Concen: 5.050 ug/L

RT: 4.609 min Scan# 1110

Delta R.T. 0.006 min

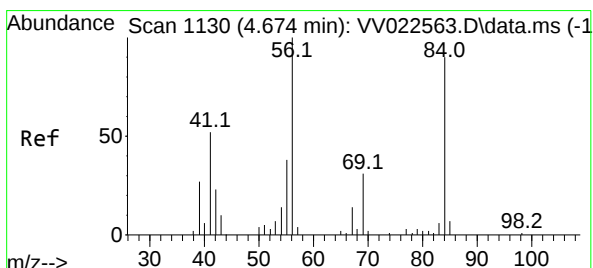
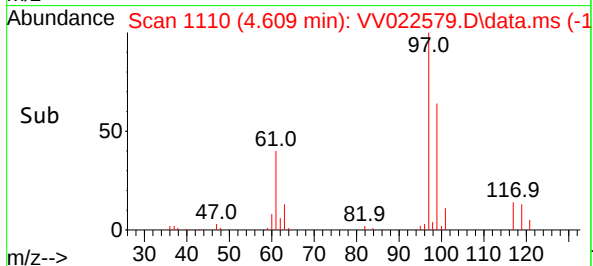
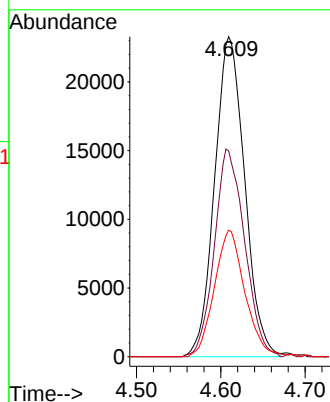
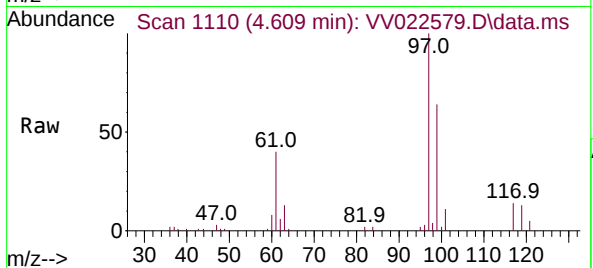
Lab File: VV022579.D

Acq: 05 Oct 2021 16:38

Tgt Ion: 97 Resp: 57641

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 99  | 65.2  | 49.8  | 74.6  |
| 61  | 40.1  | 32.5  | 48.7  |

Instrument :  
MSVOA\_V  
ClientSampleId :



#30

Cyclohexane

Concen: 4.829 ug/L

RT: 4.680 min Scan# 1132

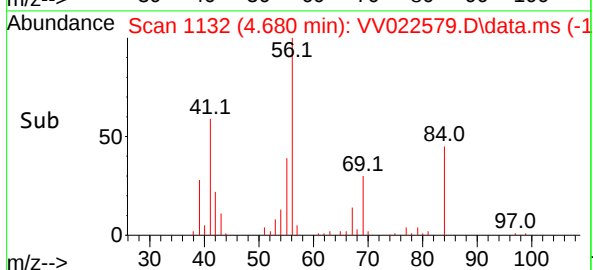
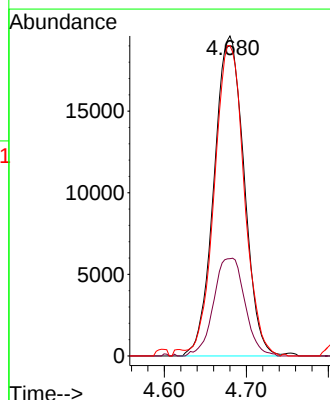
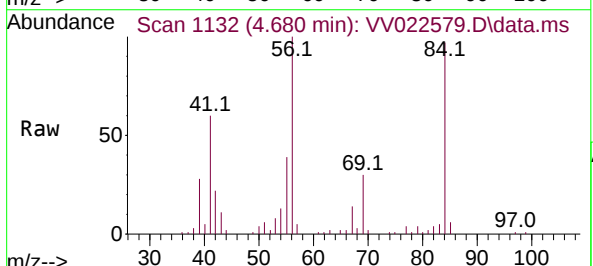
Delta R.T. 0.006 min

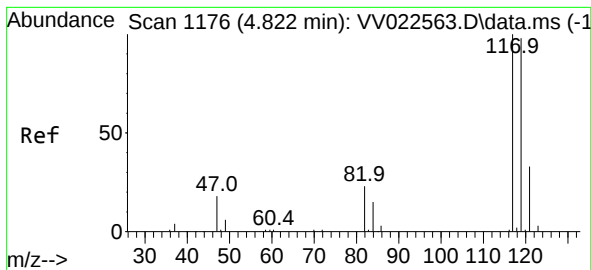
Lab File: VV022579.D

Acq: 05 Oct 2021 16:38

Tgt Ion: 56 Resp: 49950

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 56  | 100   |       |       |
| 69  | 31.7  | 25.7  | 38.5  |
| 84  | 96.3  | 75.8  | 113.8 |

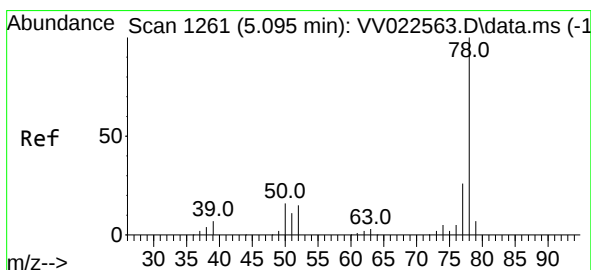
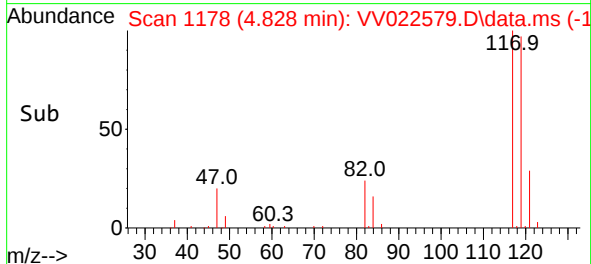
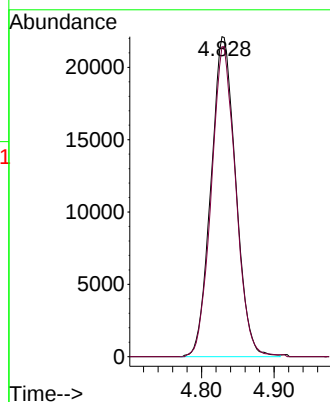
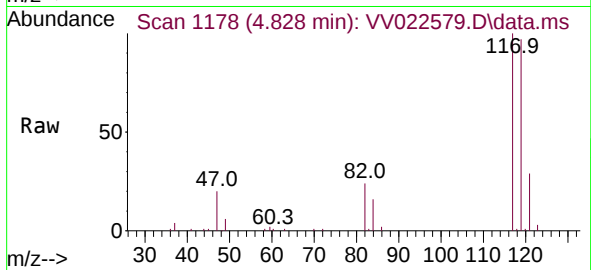




#31  
Carbon tetrachloride  
Concen: 5.185 ug/L  
RT: 4.828 min Scan# 1178  
Delta R.T. 0.006 min  
Lab File: VV022579.D  
Acq: 05 Oct 2021 16:38

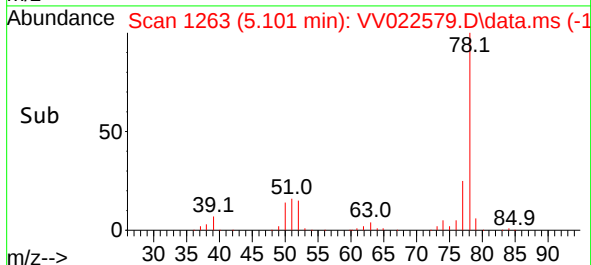
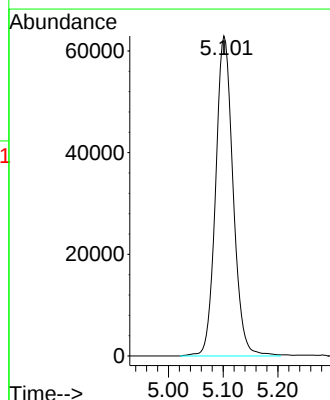
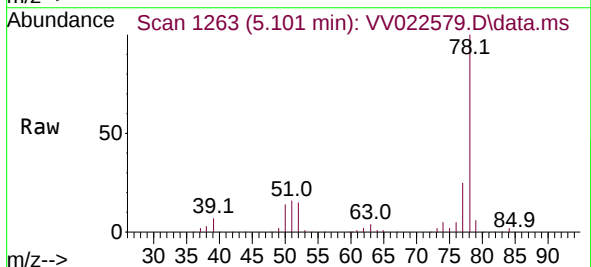
Instrument :  
MSVOA\_V  
ClientSampled :

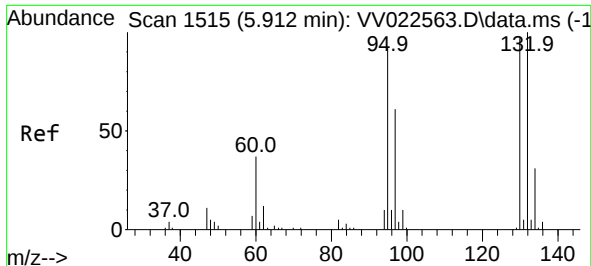
Tgt Ion:117 Resp: 52505  
Ion Ratio Lower Upper  
117 100  
119 95.6 76.9 115.3



#33  
Benzene  
Concen: 5.186 ug/L  
RT: 5.101 min Scan# 1263  
Delta R.T. 0.006 min  
Lab File: VV022579.D  
Acq: 05 Oct 2021 16:38

Tgt Ion: 78 Resp: 139643





#34

Trichloroethene

Concen: 4.704 ug/L

RT: 5.918 min Scan# 1517

Delta R.T. 0.006 min

Lab File: VV022579.D

Acq: 05 Oct 2021 16:38

Tgt Ion: 95 Resp: 36805

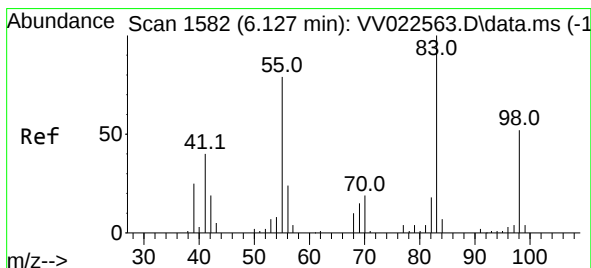
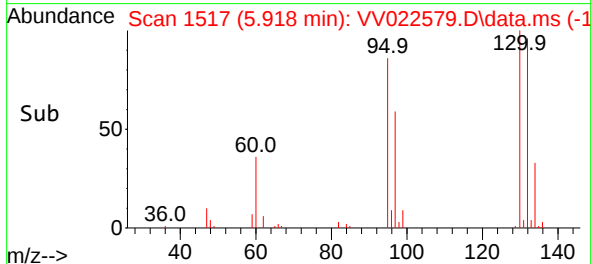
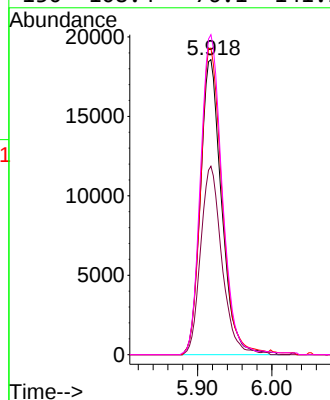
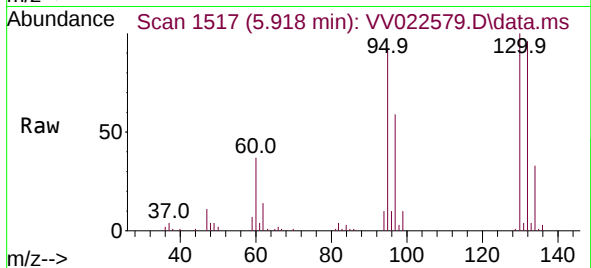
Ion Ratio Lower Upper

95 100

97 63.9 46.5 86.5

132 103.9 73.0 135.6

130 108.4 76.1 141.3



#35

Methylcyclohexane

Concen: 4.657 ug/L

RT: 6.133 min Scan# 1584

Delta R.T. 0.006 min

Lab File: VV022579.D

Acq: 05 Oct 2021 16:38

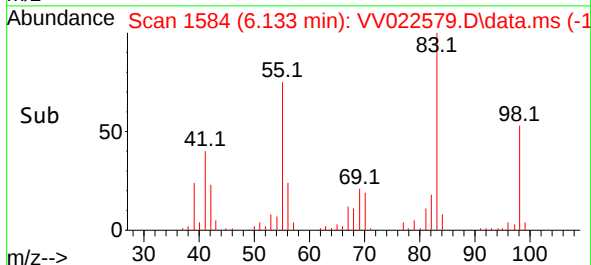
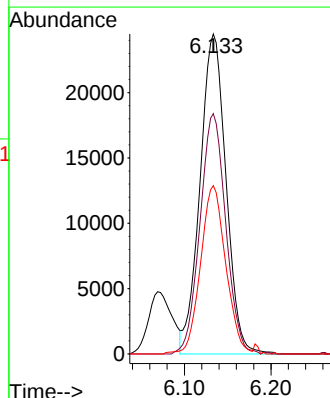
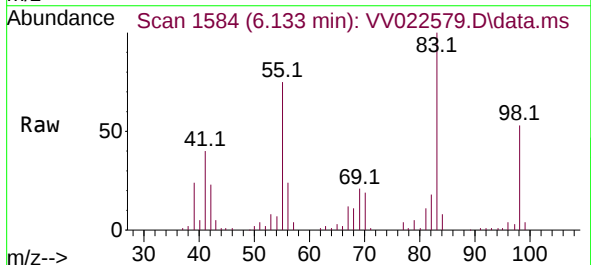
Tgt Ion: 83 Resp: 51064

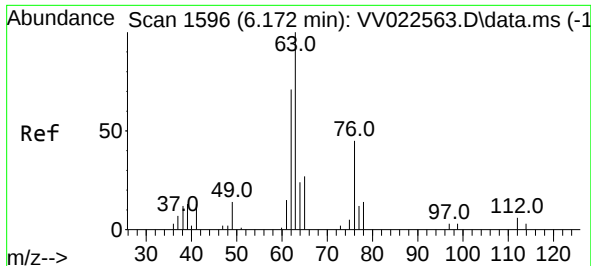
Ion Ratio Lower Upper

83 100

55 74.4 57.8 86.8

98 50.9 39.8 59.8

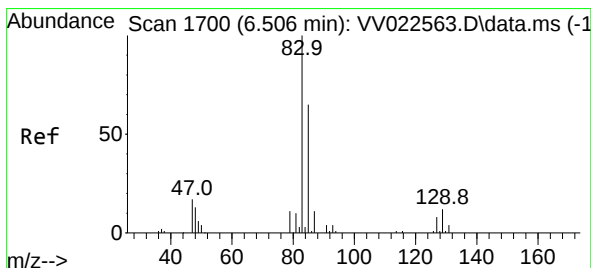
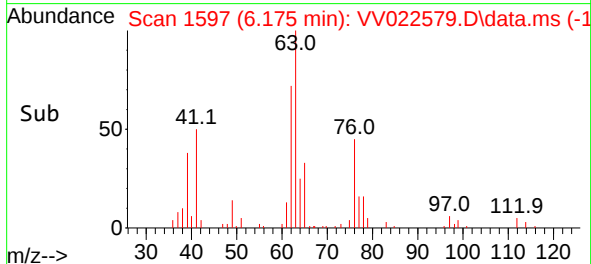
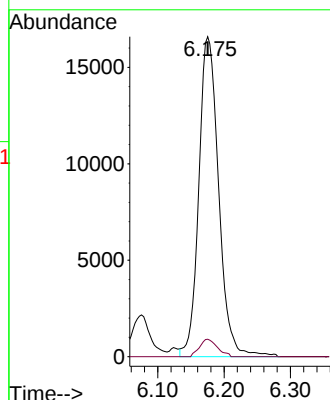
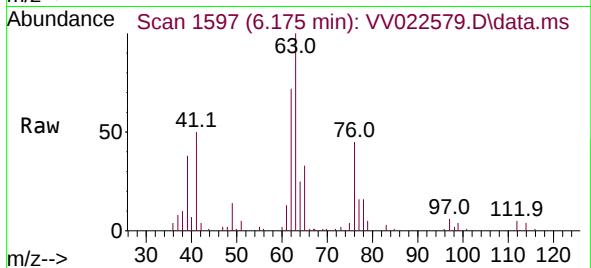




#37  
1,2-Dichloropropane  
Concen: 5.252 ug/L  
RT: 6.175 min Scan# 1597  
Delta R.T. 0.003 min  
Lab File: VV022579.D  
Acq: 05 Oct 2021 16:38

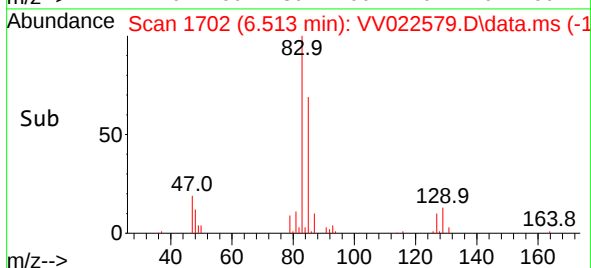
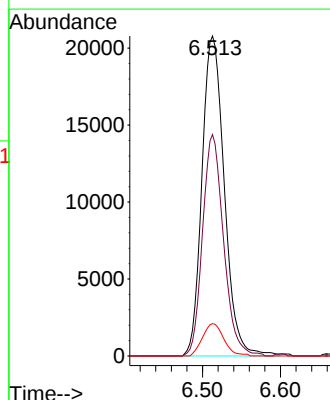
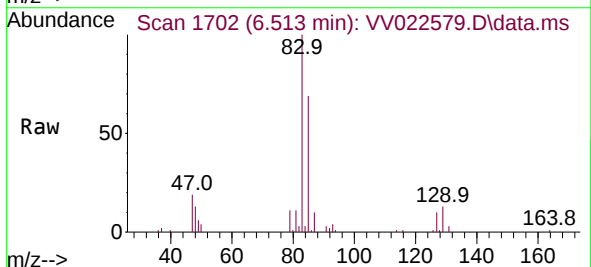
Instrument :  
MSVOA\_V  
ClientSampled :

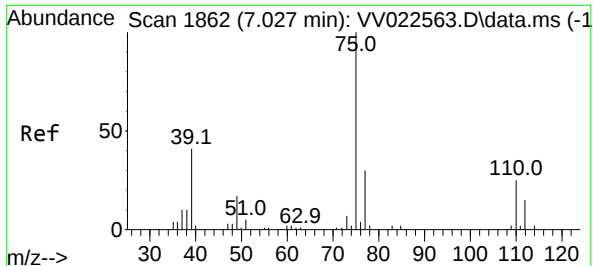
Tgt Ion: 63 Resp: 34523  
Ion Ratio Lower Upper  
63 100  
112 4.9 4.3 6.5



#38  
Bromodichloromethane  
Concen: 4.966 ug/L  
RT: 6.513 min Scan# 1702  
Delta R.T. 0.006 min  
Lab File: VV022579.D  
Acq: 05 Oct 2021 16:38

Tgt Ion: 83 Resp: 41363  
Ion Ratio Lower Upper  
83 100  
85 69.2 47.2 87.6  
127 10.1 7.4 11.2

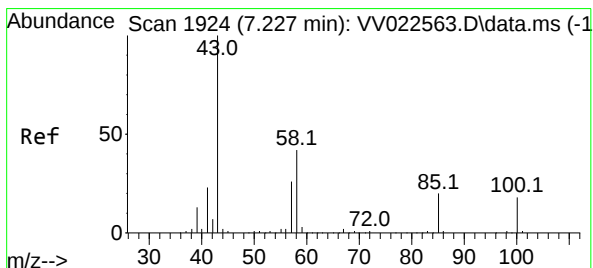
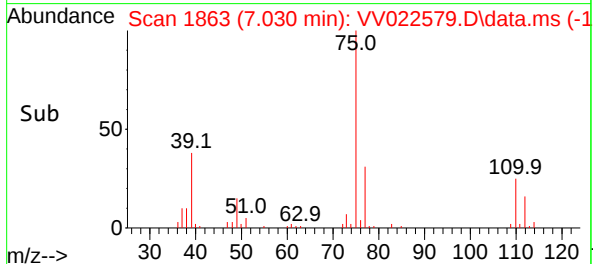
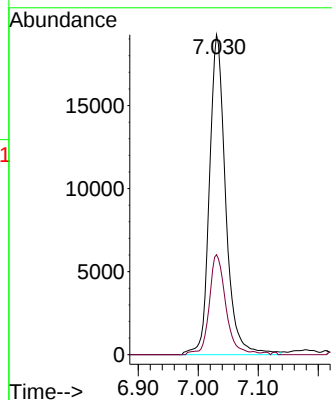
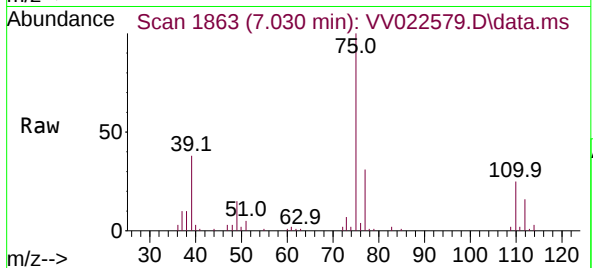




#39  
 cis-1,3-Dichloropropene  
 Concen: 4.099 ug/L  
 RT: 7.030 min Scan# 1863  
 Delta R.T. 0.003 min  
 Lab File: VV022579.D  
 Acq: 05 Oct 2021 16:38

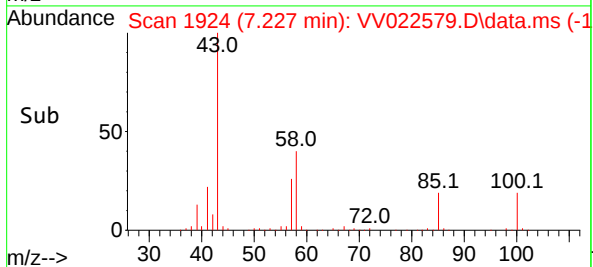
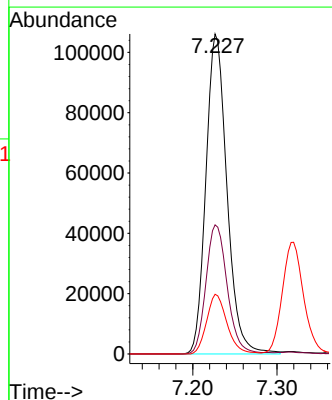
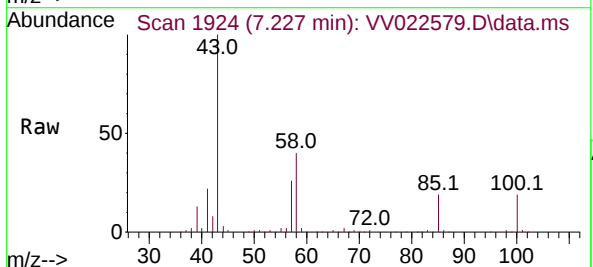
Instrument :  
 MSVOA\_V  
 ClientSampled :

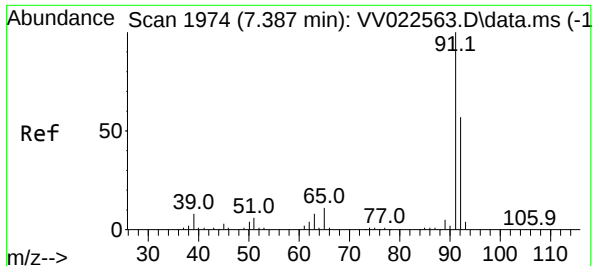
Tgt Ion: 75 Resp: 36310  
 Ion Ratio Lower Upper  
 75 100  
 77 31.2 22.4 41.6



#40  
 4-Methyl-2-pentanone  
 Concen: 51.030 ug/L  
 RT: 7.227 min Scan# 1924  
 Delta R.T. -0.000 min  
 Lab File: VV022579.D  
 Acq: 05 Oct 2021 16:38

Tgt Ion: 43 Resp: 184646  
 Ion Ratio Lower Upper  
 43 100  
 58 40.9 32.3 48.5  
 100 18.1 13.8 20.6

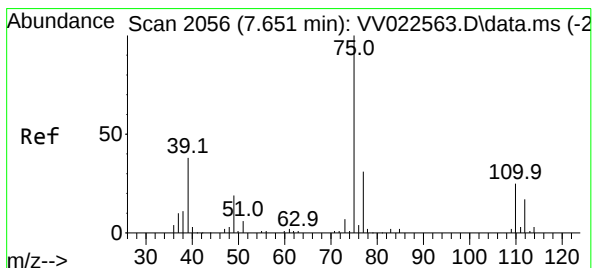
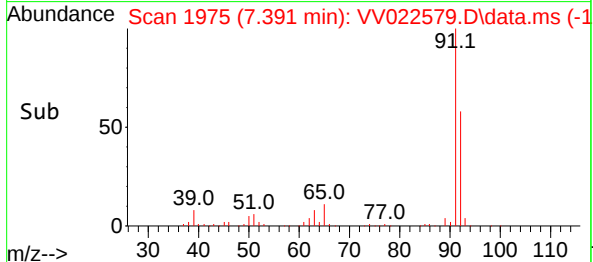
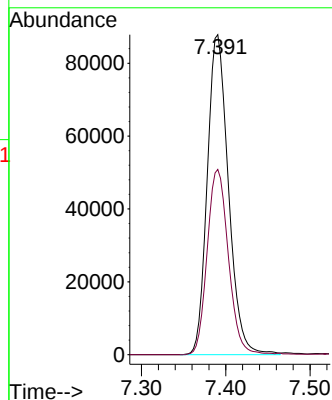
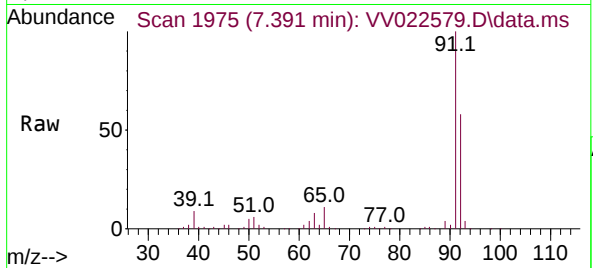




#42  
Toluene  
Concen: 5.429 ug/L  
RT: 7.391 min Scan# 1975  
Delta R.T. 0.003 min  
Lab File: VV022579.D  
Acq: 05 Oct 2021 16:38

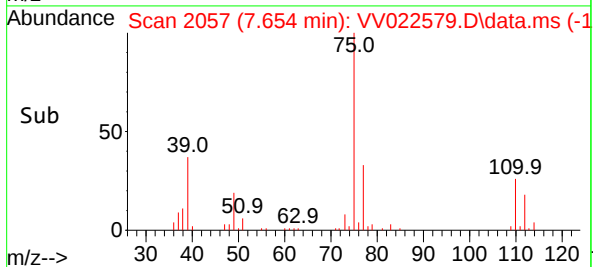
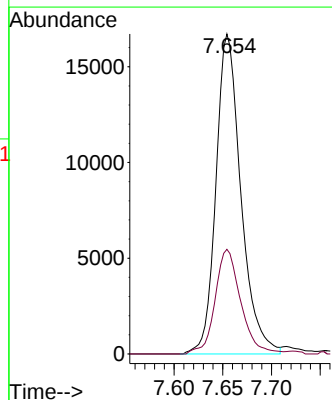
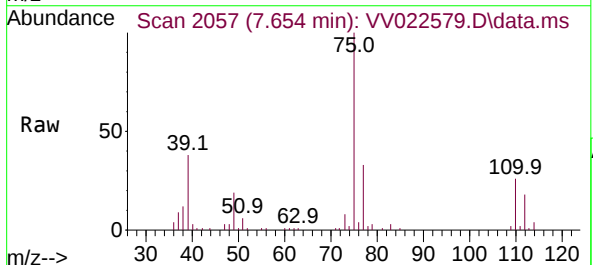
Instrument :  
MSVOA\_V  
ClientSampled :

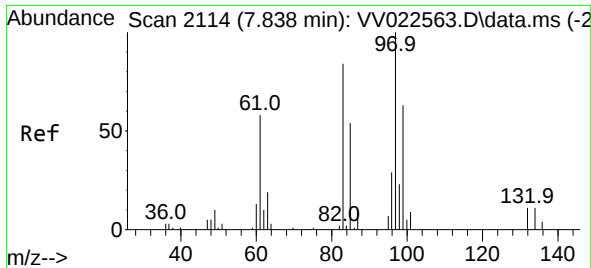
Tgt Ion: 91 Resp: 153571  
Ion Ratio Lower Upper  
91 100  
92 57.9 40.5 75.3



#44  
trans-1,3-Dichloropropene  
Concen: 4.032 ug/L  
RT: 7.654 min Scan# 2057  
Delta R.T. 0.003 min  
Lab File: VV022579.D  
Acq: 05 Oct 2021 16:38

Tgt Ion: 75 Resp: 29815  
Ion Ratio Lower Upper  
75 100  
77 32.7 21.8 40.6

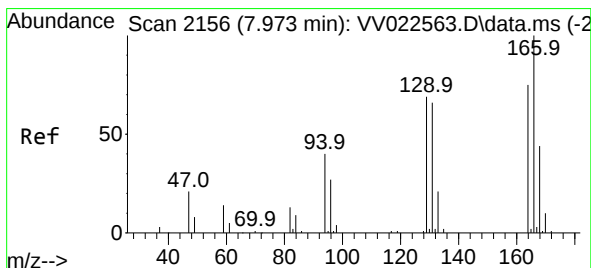
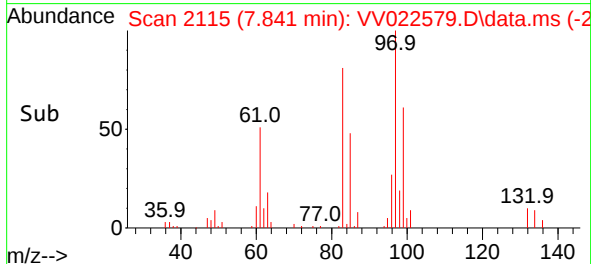
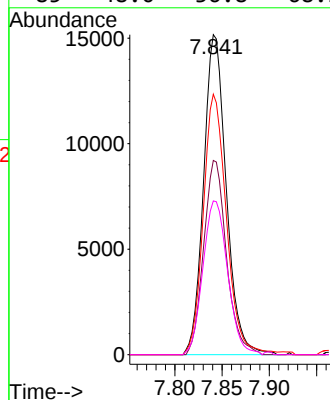
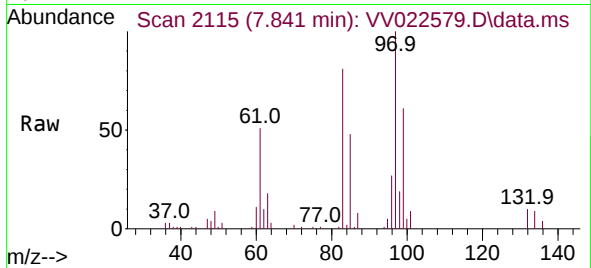




#45  
1,1,2-Trichloroethane  
Concen: 5.162 ug/L  
RT: 7.841 min Scan# 2115  
Delta R.T. 0.003 min  
Lab File: VV022579.D  
Acq: 05 Oct 2021 16:38

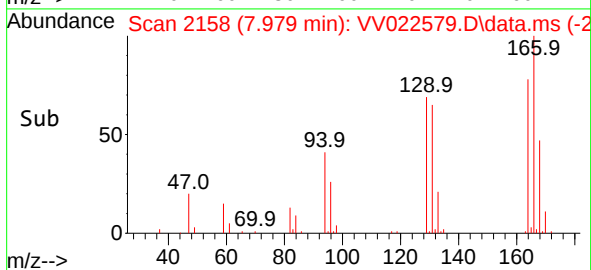
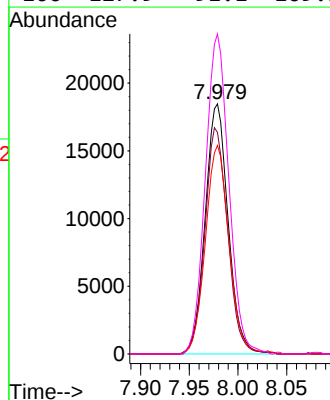
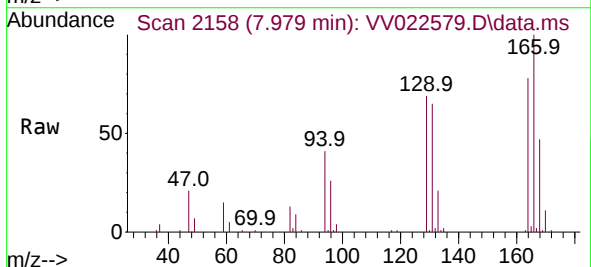
Instrument :  
MSVOA\_V  
ClientSampleId :

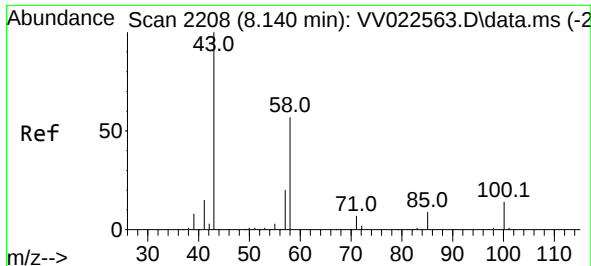
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 25331 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 99       | 60.7  | 42.6  | 79.0  |
| 83       | 81.4  | 57.7  | 107.1 |
| 85       | 48.0  | 36.8  | 68.3  |



#47  
Tetrachloroethene  
Concen: 4.982 ug/L  
RT: 7.979 min Scan# 2158  
Delta R.T. 0.006 min  
Lab File: VV022579.D  
Acq: 05 Oct 2021 16:38

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 164   | Resp: | 30317 |
| Ion      | Ratio | Lower | Upper |
| 164      | 100   |       |       |
| 129      | 88.6  | 65.5  | 121.6 |
| 131      | 83.3  | 62.4  | 116.0 |
| 166      | 127.9 | 91.1  | 169.3 |



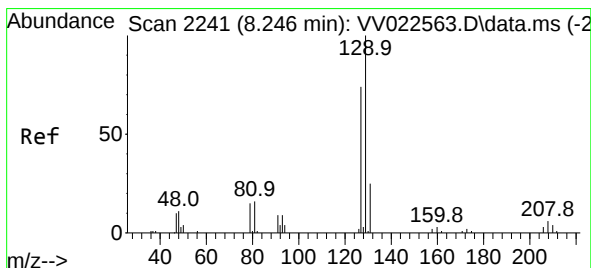
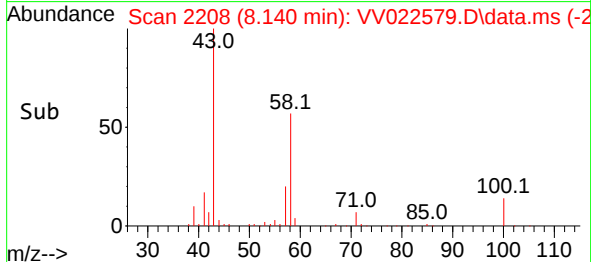
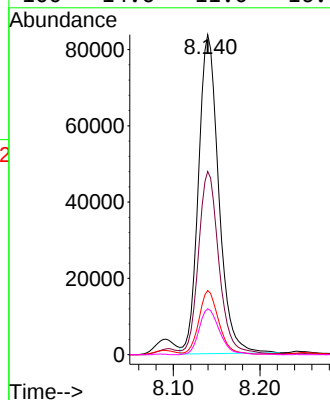
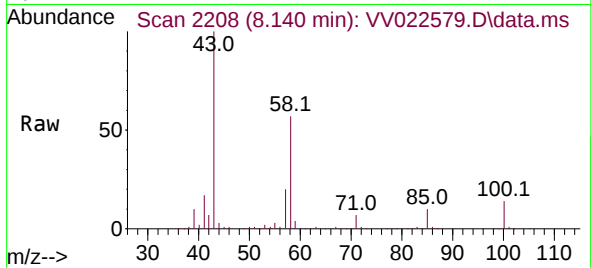


#48  
2-Hexanone  
Concen: 52.211 ug/L  
RT: 8.140 min Scan# 2208  
Delta R.T. -0.000 min  
Lab File: VV022579.D  
Acq: 05 Oct 2021 16:38

Instrument :  
MSVOA\_V  
ClientSampled :

Tgt Ion: 43 Resp: 135912

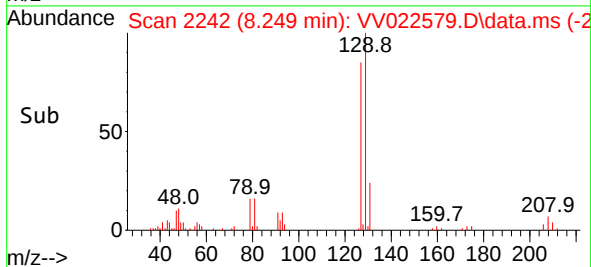
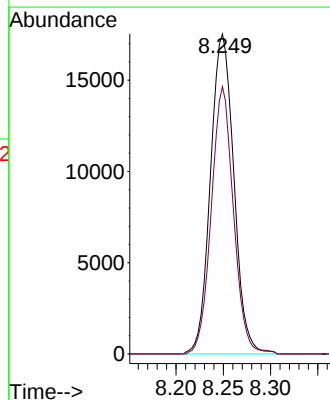
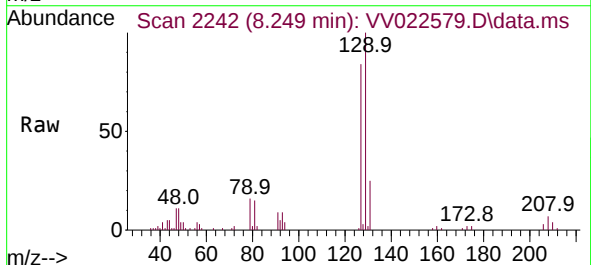
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 58  | 57.3  | 46.4  | 69.6  |
| 57  | 19.5  | 16.3  | 24.5  |
| 100 | 14.6  | 11.0  | 16.6  |

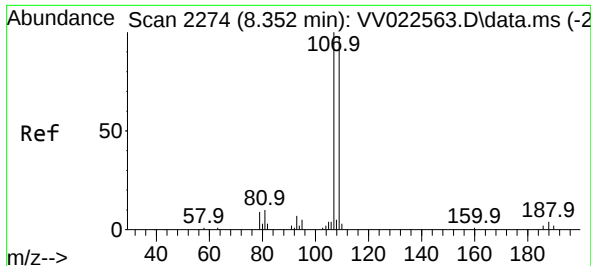


#49  
Dibromochloromethane  
Concen: 5.214 ug/L  
RT: 8.249 min Scan# 2242  
Delta R.T. 0.003 min  
Lab File: VV022579.D  
Acq: 05 Oct 2021 16:38

Tgt Ion: 129 Resp: 30160

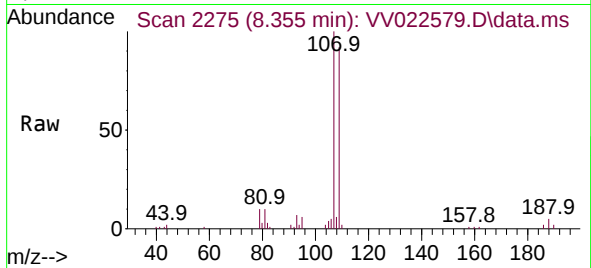
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 129 | 100   |       |       |
| 127 | 83.6  | 52.6  | 97.6  |





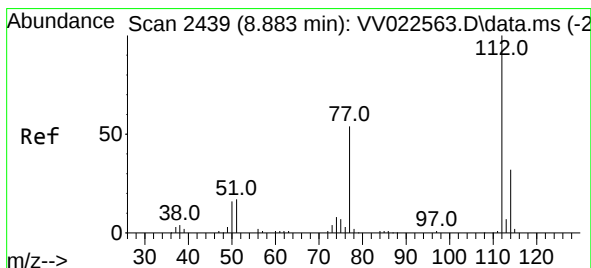
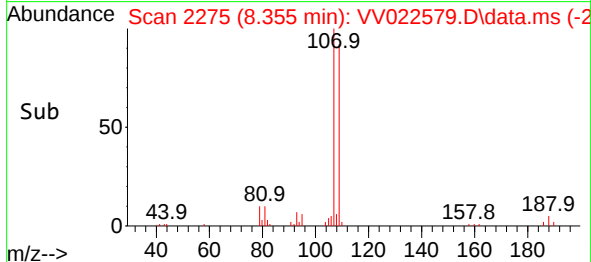
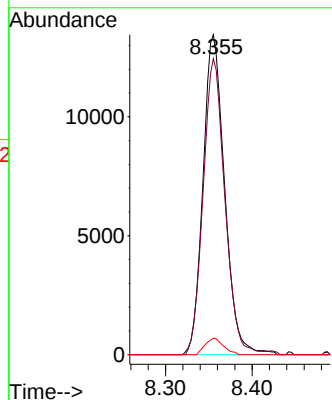
#50  
1,2-Dibromoethane  
Concen: 5.101 ug/L  
RT: 8.355 min Scan# 2275  
Delta R.T. 0.003 min  
Lab File: VV022579.D  
Acq: 05 Oct 2021 16:38

Instrument :  
MSVOA\_V  
ClientSampleId :



Tgt Ion:107 Resp: 23271

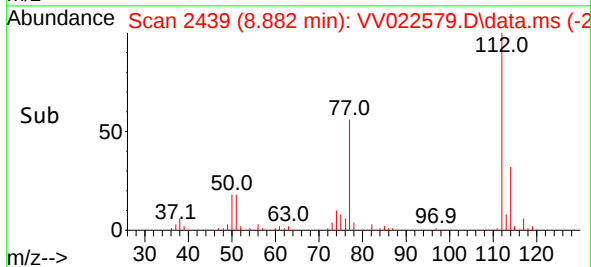
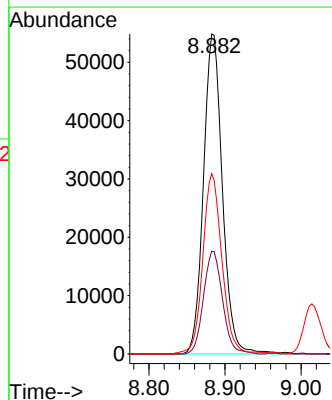
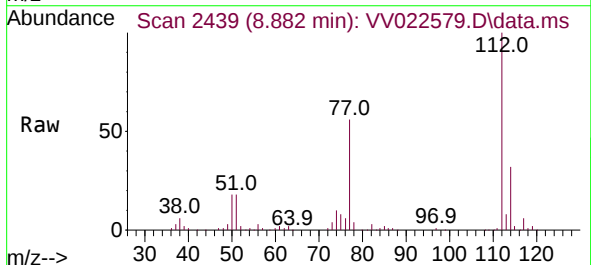
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 107 | 100   |       |       |
| 109 | 92.5  | 63.2  | 117.4 |
| 188 | 5.2   | 3.4   | 5.2   |

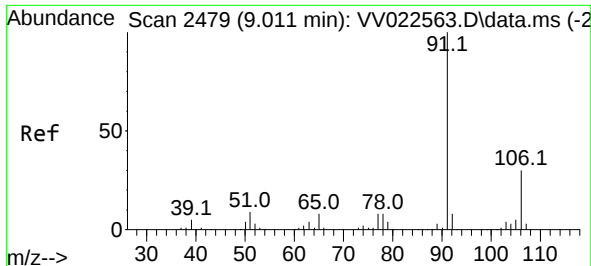


#51  
Chlorobenzene  
Concen: 5.132 ug/L  
RT: 8.882 min Scan# 2439  
Delta R.T. -0.000 min  
Lab File: VV022579.D  
Acq: 05 Oct 2021 16:38

Tgt Ion:112 Resp: 94999

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 112 | 100   |       |       |
| 114 | 32.1  | 21.6  | 40.2  |
| 77  | 56.3  | 42.8  | 64.2  |





#52

Ethylbenzene

Concen: 5.193 ug/L

RT: 9.014 min Scan# 2480

Delta R.T. 0.003 min

Lab File: VV022579.D

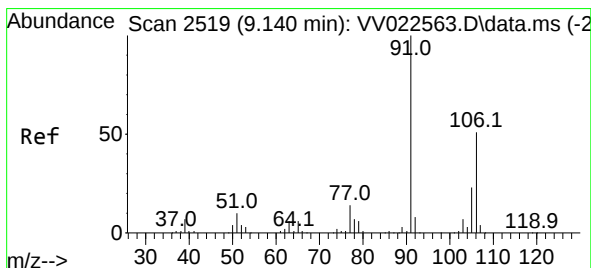
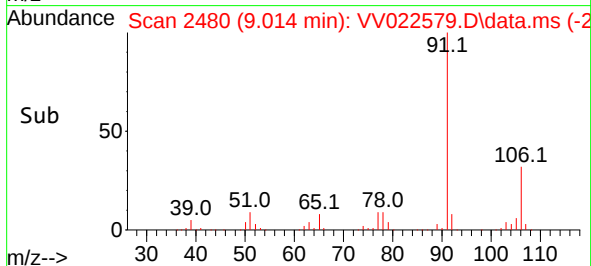
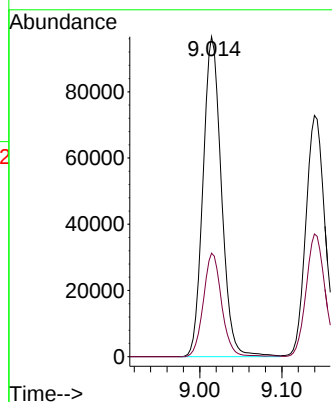
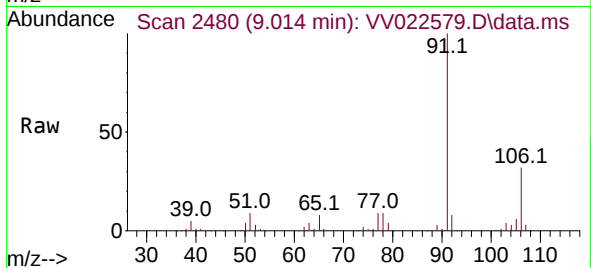
Acq: 05 Oct 2021 16:38

Tgt Ion: 91 Resp: 150747

Ion Ratio Lower Upper

91 100

106 32.3 21.3 39.6



#53

m,p-xylene

Concen: 5.403 ug/L

RT: 9.140 min Scan# 2519

Delta R.T. -0.000 min

Lab File: VV022579.D

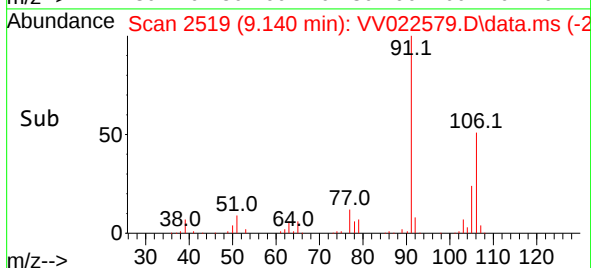
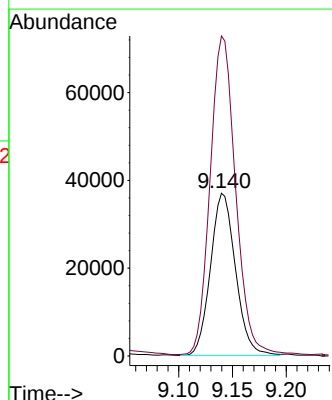
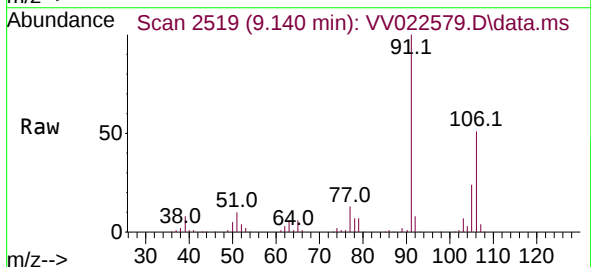
Acq: 05 Oct 2021 16:38

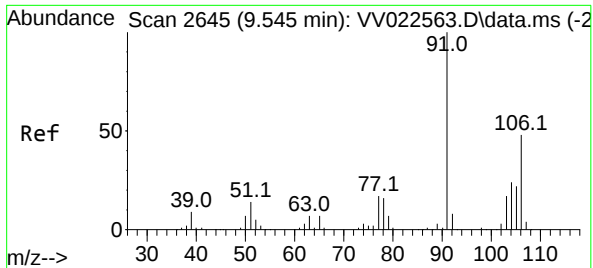
Tgt Ion: 106 Resp: 59801

Ion Ratio Lower Upper

106 100

91 196.7 144.8 269.0

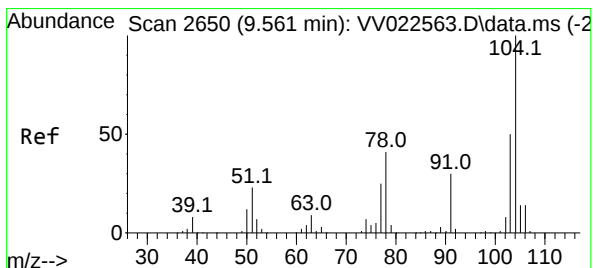
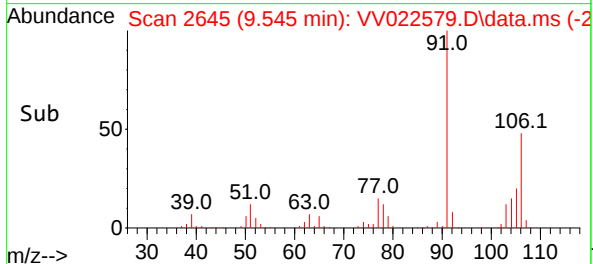
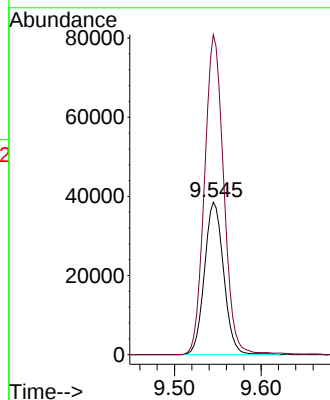
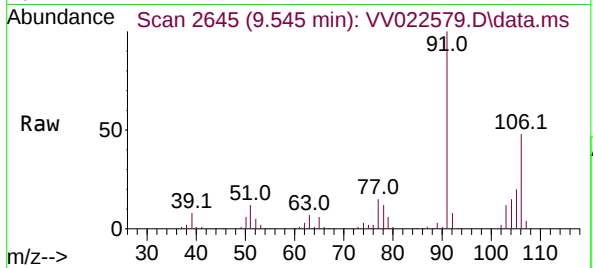




#54  
o-xylene  
Concen: 5.389 ug/L  
RT: 9.545 min Scan# 2645  
Delta R.T. -0.000 min  
Lab File: VV022579.D  
Acq: 05 Oct 2021 16:38

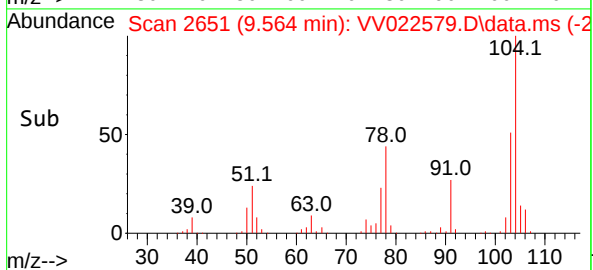
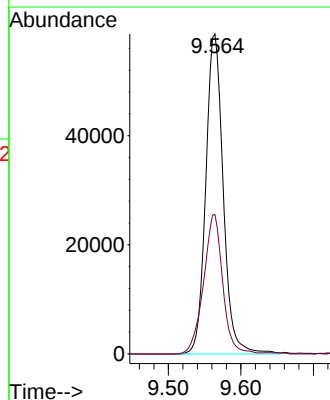
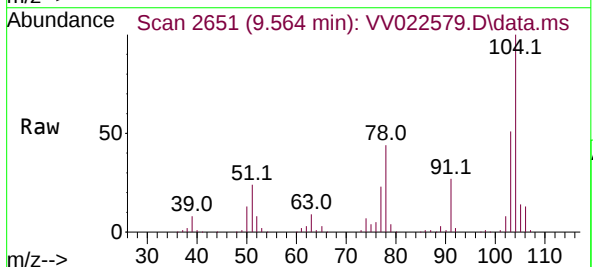
Instrument :  
MSVOA\_V  
ClientSampled :

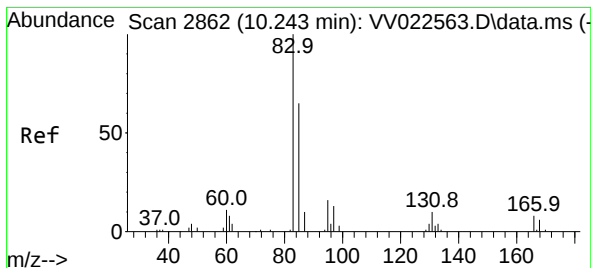
Tgt Ion:106 Resp: 59338  
Ion Ratio Lower Upper  
106 100  
91 209.8 148.8 276.4



#55  
Styrene  
Concen: 5.250 ug/L  
RT: 9.564 min Scan# 2651  
Delta R.T. 0.003 min  
Lab File: VV022579.D  
Acq: 05 Oct 2021 16:38

Tgt Ion:104 Resp: 98283  
Ion Ratio Lower Upper  
104 100  
78 43.6 28.7 53.3

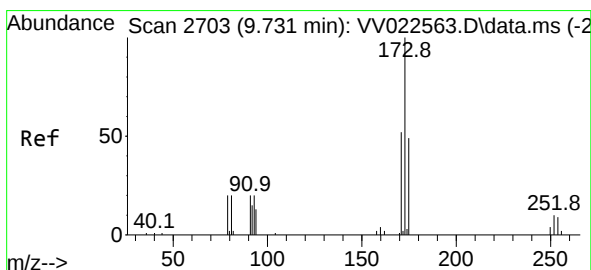
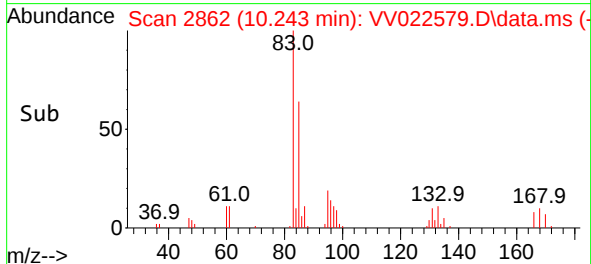
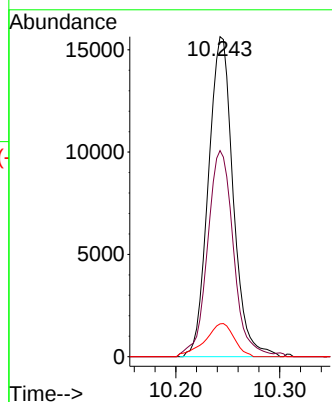
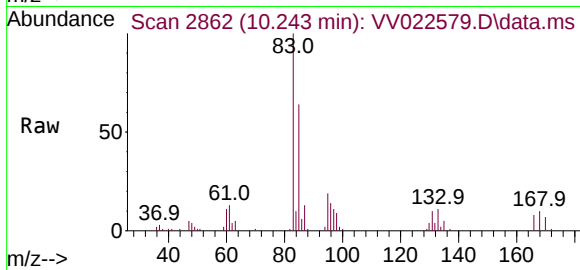




#57  
1,1,2,2-Tetrachloroethane  
Concen: 4.866 ug/L  
RT: 10.243 min Scan# 2862  
Delta R.T. -0.000 min  
Lab File: VV022579.D  
Acq: 05 Oct 2021 16:38

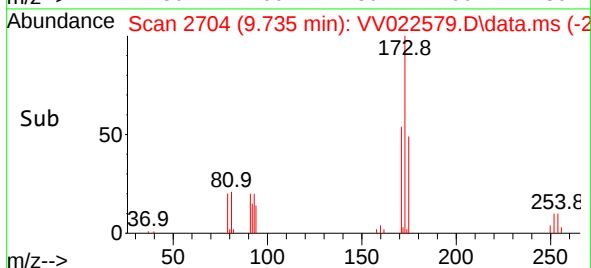
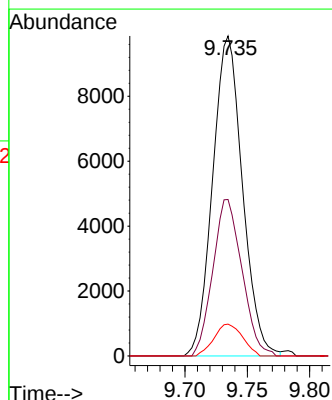
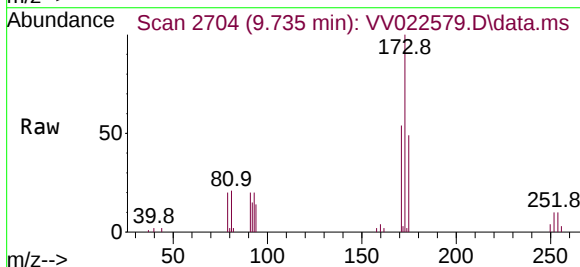
Instrument :  
MSVOA\_V  
ClientSampleId :

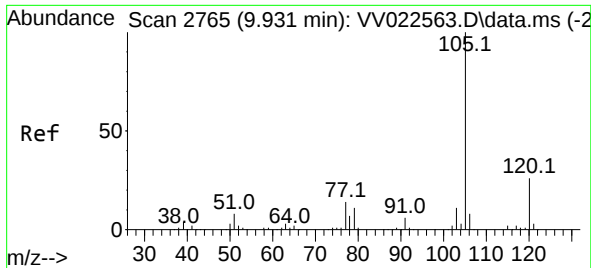
Tgt Ion: 83 Resp: 25909  
Ion Ratio Lower Upper  
83 100  
85 64.4 46.5 86.3  
131 10.3 8.6 13.0



#59  
Bromoform  
Concen: 5.031 ug/L  
RT: 9.735 min Scan# 2704  
Delta R.T. 0.003 min  
Lab File: VV022579.D  
Acq: 05 Oct 2021 16:38

Tgt Ion: 173 Resp: 16394  
Ion Ratio Lower Upper  
173 100  
175 47.8 39.0 58.4  
254 9.5 7.0 10.4

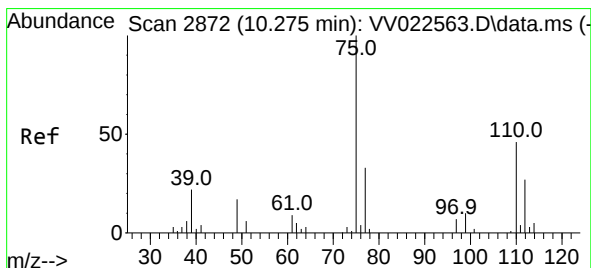
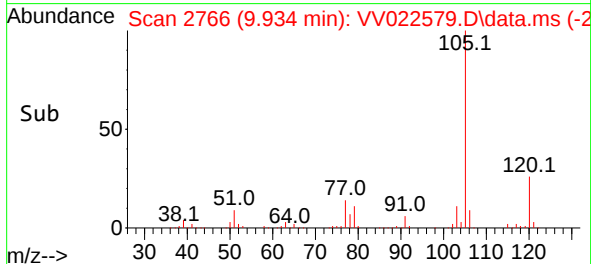
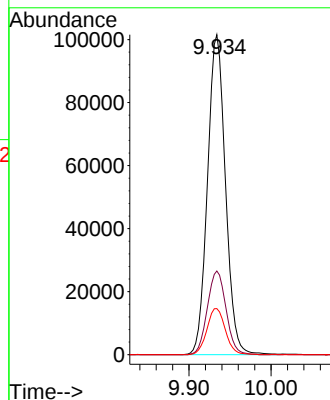
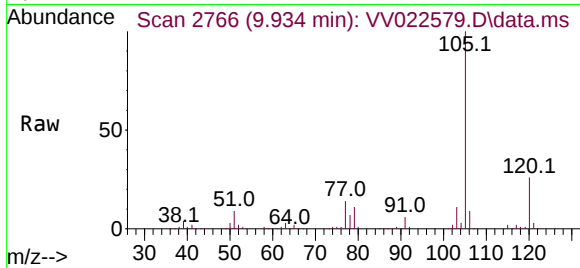




#60  
Isopropylbenzene  
Concen: 5.188 ug/L  
RT: 9.934 min Scan# 2766  
Delta R.T. 0.003 min  
Lab File: VV022579.D  
Acq: 05 Oct 2021 16:38

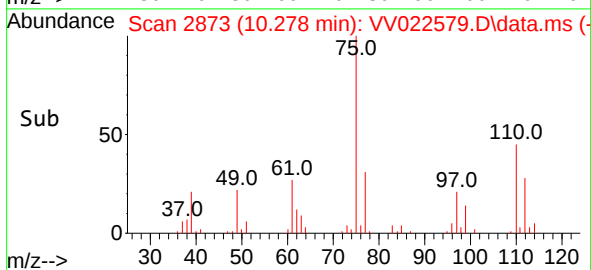
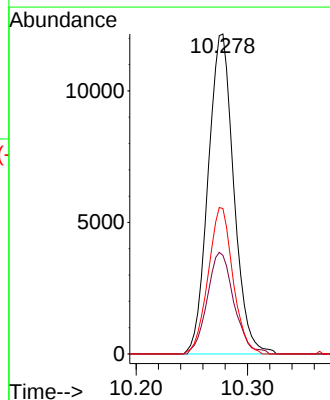
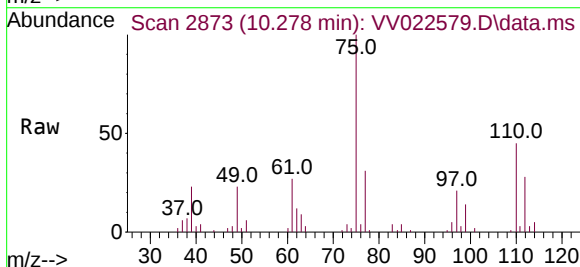
Instrument :  
MSVOA\_V  
ClientSampled :

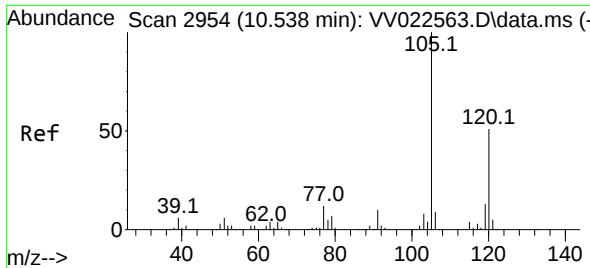
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 105   | Resp: | 154943 |
| Ion Ratio | Lower | Upper |        |
| 105       | 100   |       |        |
| 120       | 27.2  | 21.6  | 32.4   |
| 77        | 14.8  | 11.8  | 17.8   |



#61  
1,2,3-Trichloropropane  
Concen: 4.714 ug/L  
RT: 10.278 min Scan# 2873  
Delta R.T. 0.003 min  
Lab File: VV022579.D  
Acq: 05 Oct 2021 16:38

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 19411 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 77        | 33.0  | 26.1  | 39.1  |
| 110       | 44.3  | 33.0  | 49.6  |

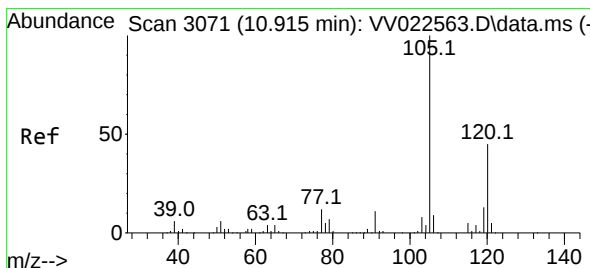
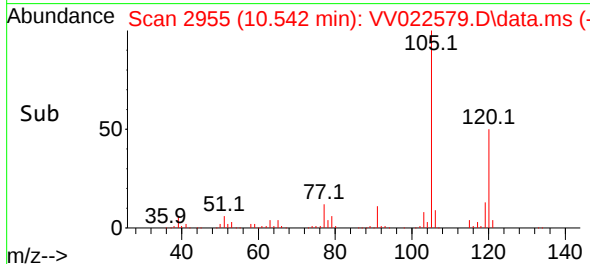
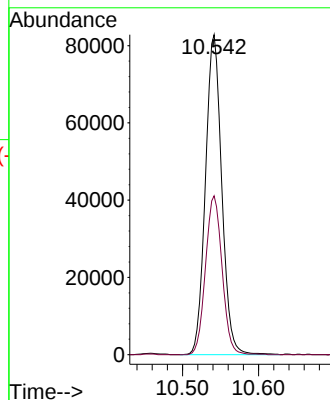
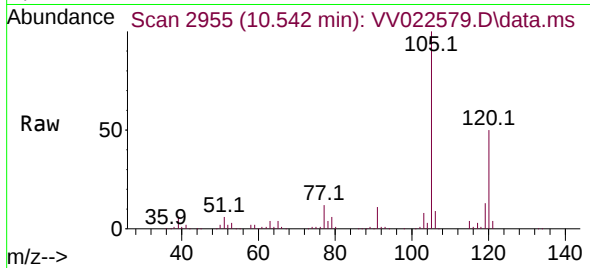




#62  
1,3,5-Trimethylbenzene  
Concen: 5.106 ug/L  
RT: 10.542 min Scan# 2955  
Delta R.T. 0.003 min  
Lab File: VV022579.D  
Acq: 05 Oct 2021 16:38

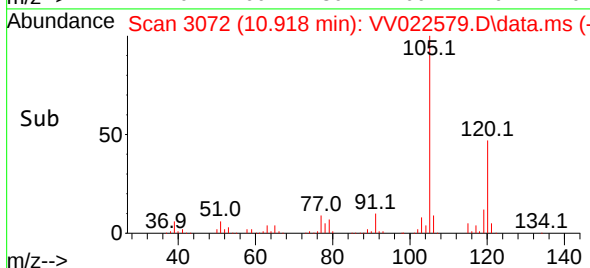
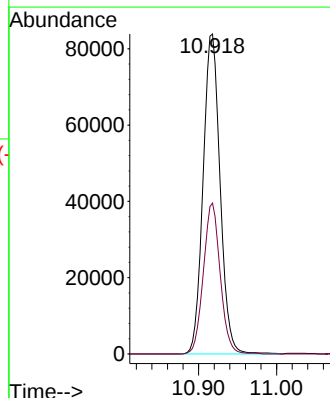
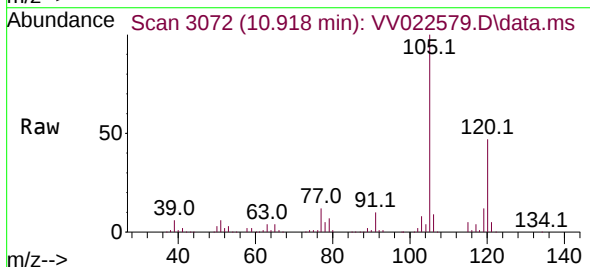
Instrument :  
MSVOA\_V  
ClientSampled :

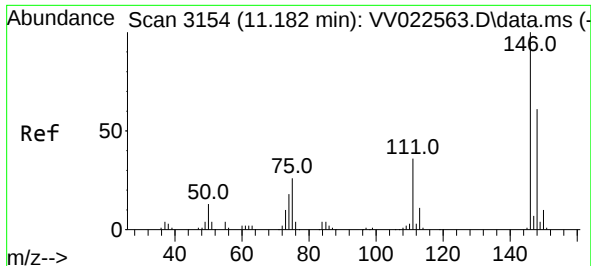
Tgt Ion:105 Resp: 123628  
Ion Ratio Lower Upper  
105 100  
120 50.4 39.7 59.5



#63  
1,2,4-Trimethylbenzene  
Concen: 5.170 ug/L  
RT: 10.918 min Scan# 3072  
Delta R.T. 0.003 min  
Lab File: VV022579.D  
Acq: 05 Oct 2021 16:38

Tgt Ion:105 Resp: 127171  
Ion Ratio Lower Upper  
105 100  
120 46.7 37.2 55.8

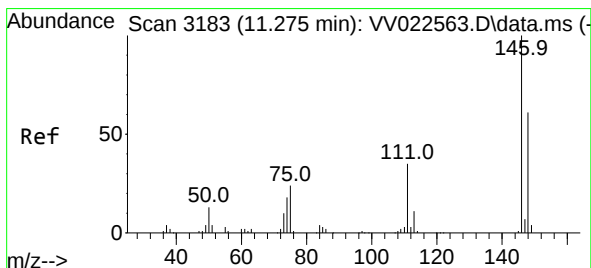
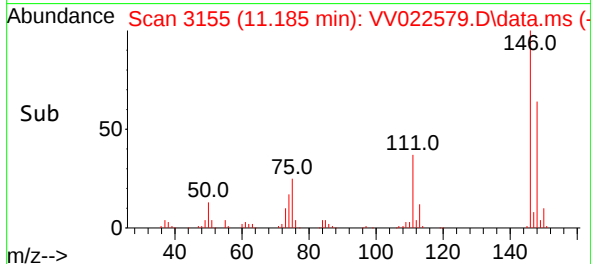
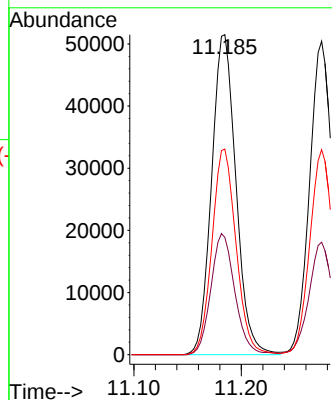
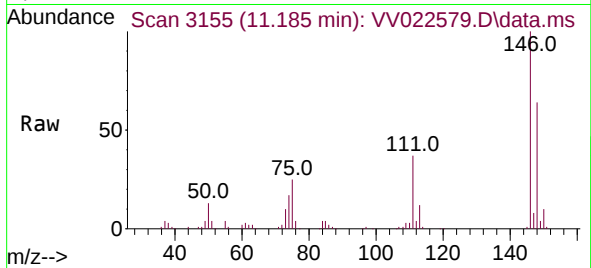




#64  
1,3-Dichlorobenzene  
Concen: 5.294 ug/L  
RT: 11.185 min Scan# 3155  
Delta R.T. 0.003 min  
Lab File: VV022579.D  
Acq: 05 Oct 2021 16:38

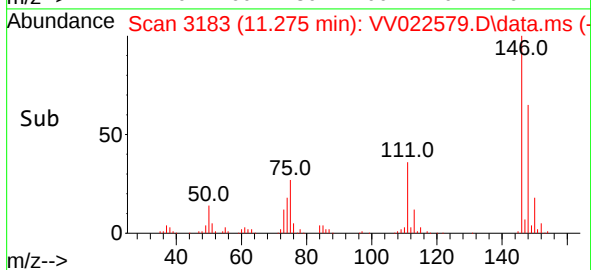
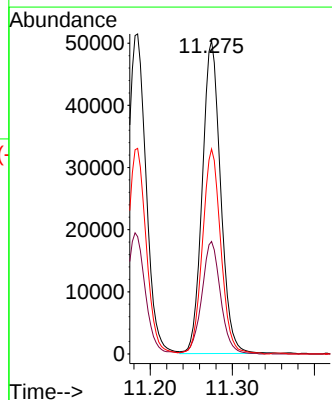
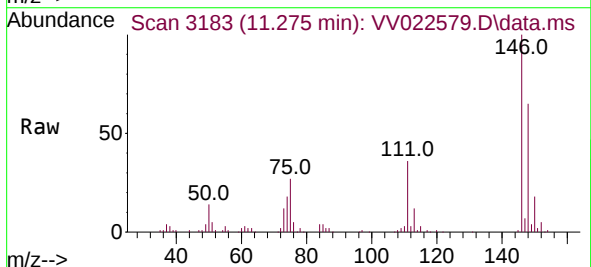
Instrument :  
MSVOA\_V  
ClientSampleId :

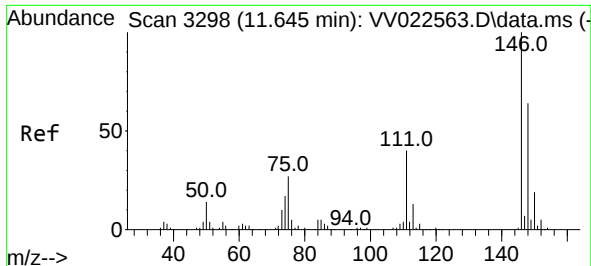
Tgt Ion:146 Resp: 80948  
Ion Ratio Lower Upper  
146 100  
111 36.7 26.8 49.8  
148 64.2 45.6 84.8



#65  
1,4-Dichlorobenzene  
Concen: 4.988 ug/L  
RT: 11.275 min Scan# 3183  
Delta R.T. -0.000 min  
Lab File: VV022579.D  
Acq: 05 Oct 2021 16:38

Tgt Ion:146 Resp: 78005  
Ion Ratio Lower Upper  
146 100  
111 35.9 24.5 45.5  
148 65.4 45.0 83.6

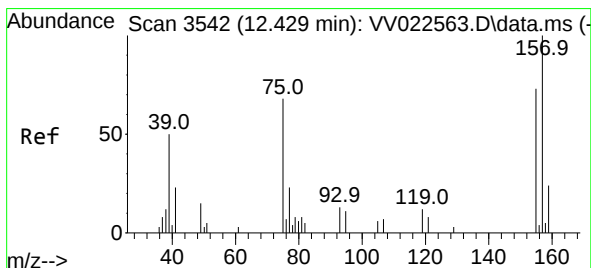
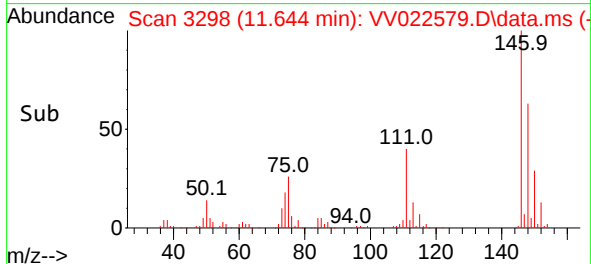
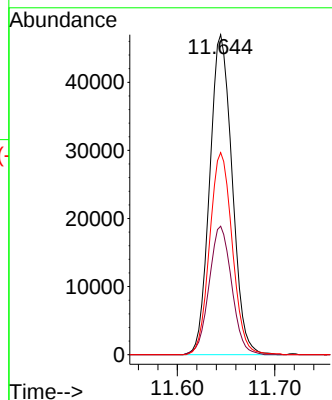
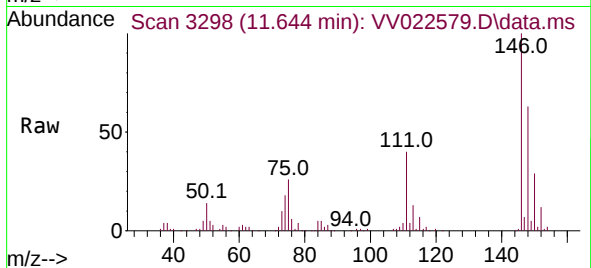




#67  
1,2-Dichlorobenzene  
Concen: 5.267 ug/L  
RT: 11.644 min Scan# 3298  
Delta R.T. -0.000 min  
Lab File: VV022579.D  
Acq: 05 Oct 2021 16:38

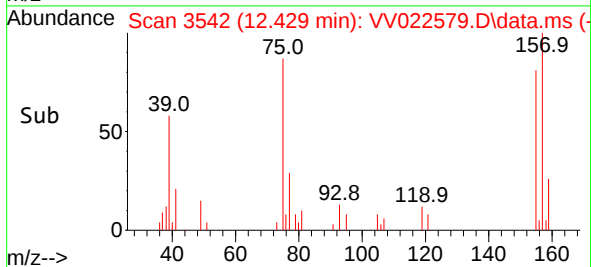
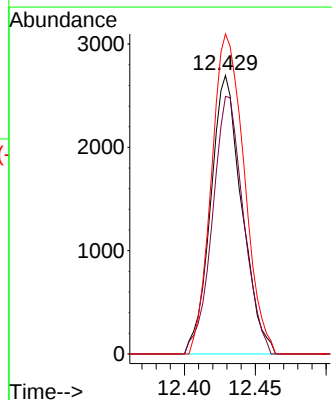
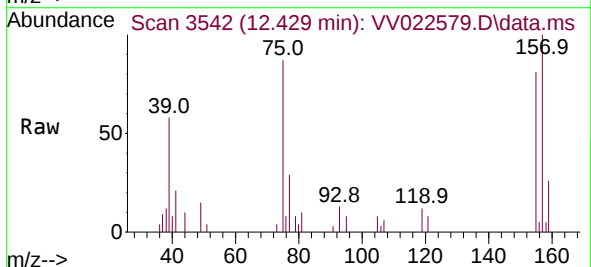
Instrument :  
MSVOA\_V  
ClientSampleId :

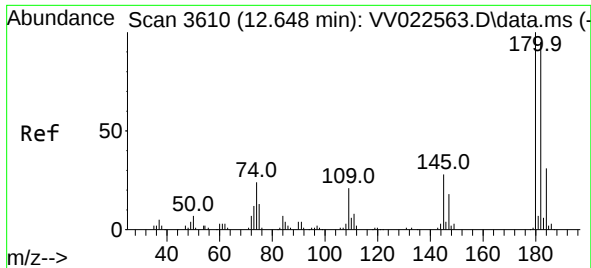
Tgt Ion:146 Resp: 75030  
Ion Ratio Lower Upper  
146 100  
111 40.2 31.6 47.4  
148 63.2 49.0 73.6



#68  
1,2-Dibromo-3-chloropropane  
Concen: 5.245 ug/L  
RT: 12.429 min Scan# 3542  
Delta R.T. -0.000 min  
Lab File: VV022579.D  
Acq: 05 Oct 2021 16:38

Tgt Ion: 75 Resp: 4128  
Ion Ratio Lower Upper  
75 100  
155 92.5 77.4 116.2  
157 114.9 104.7 157.1

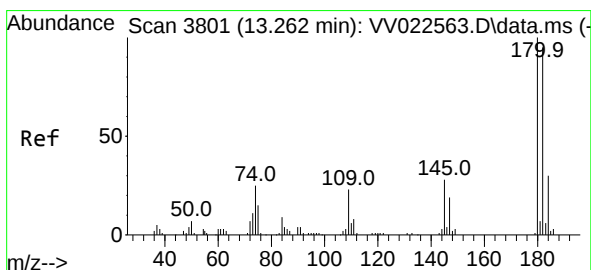
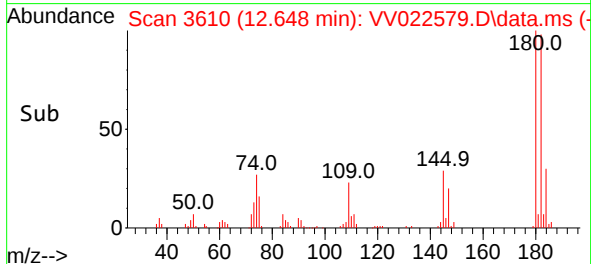
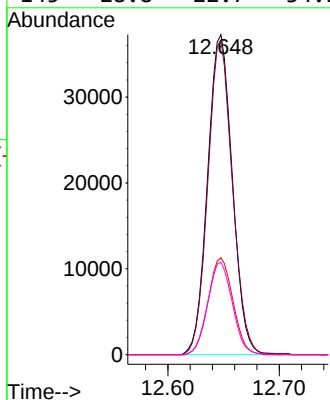
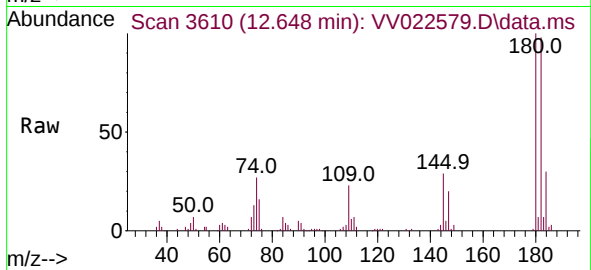




#69  
1,3,5-Trichlorobenzene  
Concen: 5.022 ug/L  
RT: 12.648 min Scan# 3610  
Delta R.T. -0.000 min  
Lab File: VV022579.D  
Acq: 05 Oct 2021 16:38

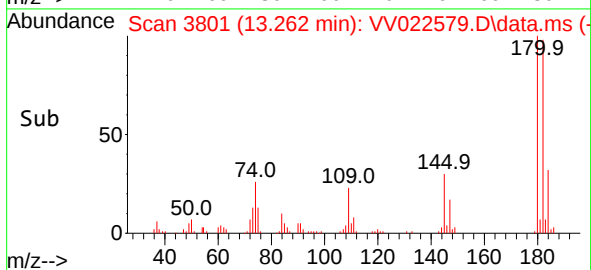
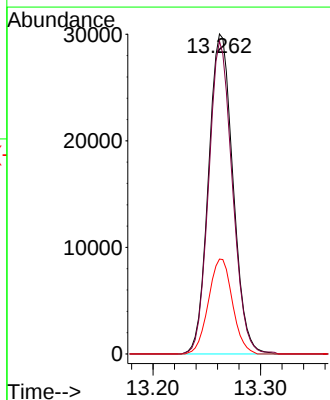
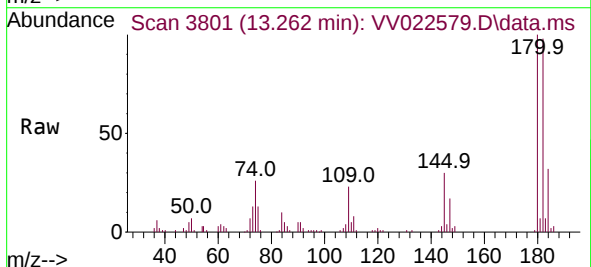
Instrument :  
MSVOA\_V  
ClientSampleId :

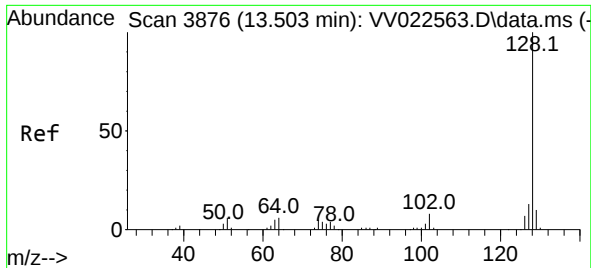
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 180   | Resp: | 57483 |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 97.6  | 77.0  | 115.6 |
| 184       | 30.3  | 25.0  | 37.6  |
| 145       | 28.8  | 22.7  | 34.1  |



#70  
1,2,4-trichlorobenzene  
Concen: 5.156 ug/L  
RT: 13.262 min Scan# 3801  
Delta R.T. -0.000 min  
Lab File: VV022579.D  
Acq: 05 Oct 2021 16:38

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 180   | Resp: | 47360 |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 94.7  | 77.1  | 115.7 |
| 145       | 29.1  | 22.8  | 34.2  |

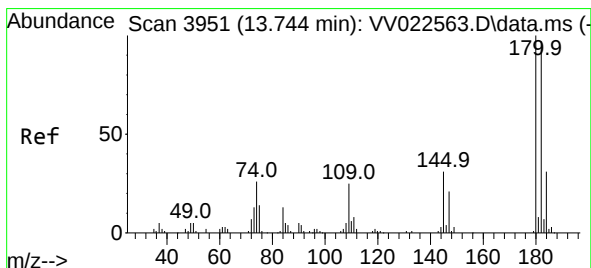
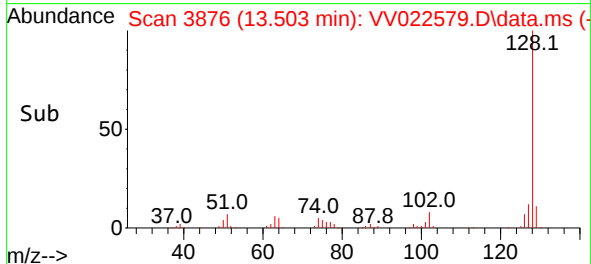
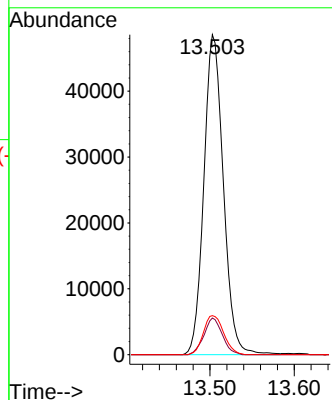
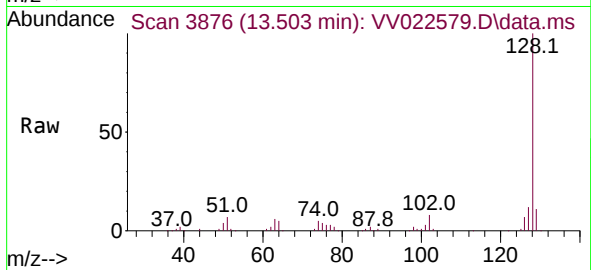




#71  
Naphthalene  
Concen: 5.204 ug/L  
RT: 13.503 min Scan# 3876  
Delta R.T. -0.000 min  
Lab File: VV022579.D  
Acq: 05 Oct 2021 16:38

Instrument :  
MSVOA\_V  
ClientSampleId :

Tgt Ion:128 Resp: 78334  
Ion Ratio Lower Upper  
128 100  
129 10.8 8.3 12.5  
127 12.7 10.2 15.4



#72  
1,2,3-Trichlorobenzene  
Concen: 5.498 ug/L  
RT: 13.744 min Scan# 3951  
Delta R.T. -0.000 min  
Lab File: VV022579.D  
Acq: 05 Oct 2021 16:38

Tgt Ion:180 Resp: 46413  
Ion Ratio Lower Upper  
180 100  
182 91.8 75.4 113.0  
145 29.9 24.4 36.6

