

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW100521\  
 Data File : VW022594.D  
 Acq On : 06 Oct 2021 01:48  
 Operator : SY/MD  
 Sample : M4051-09  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 38 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Oct 06 08:07:57 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR100421WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Wed Oct 06 07:50:25 2021  
 Response via : Initial Calibration

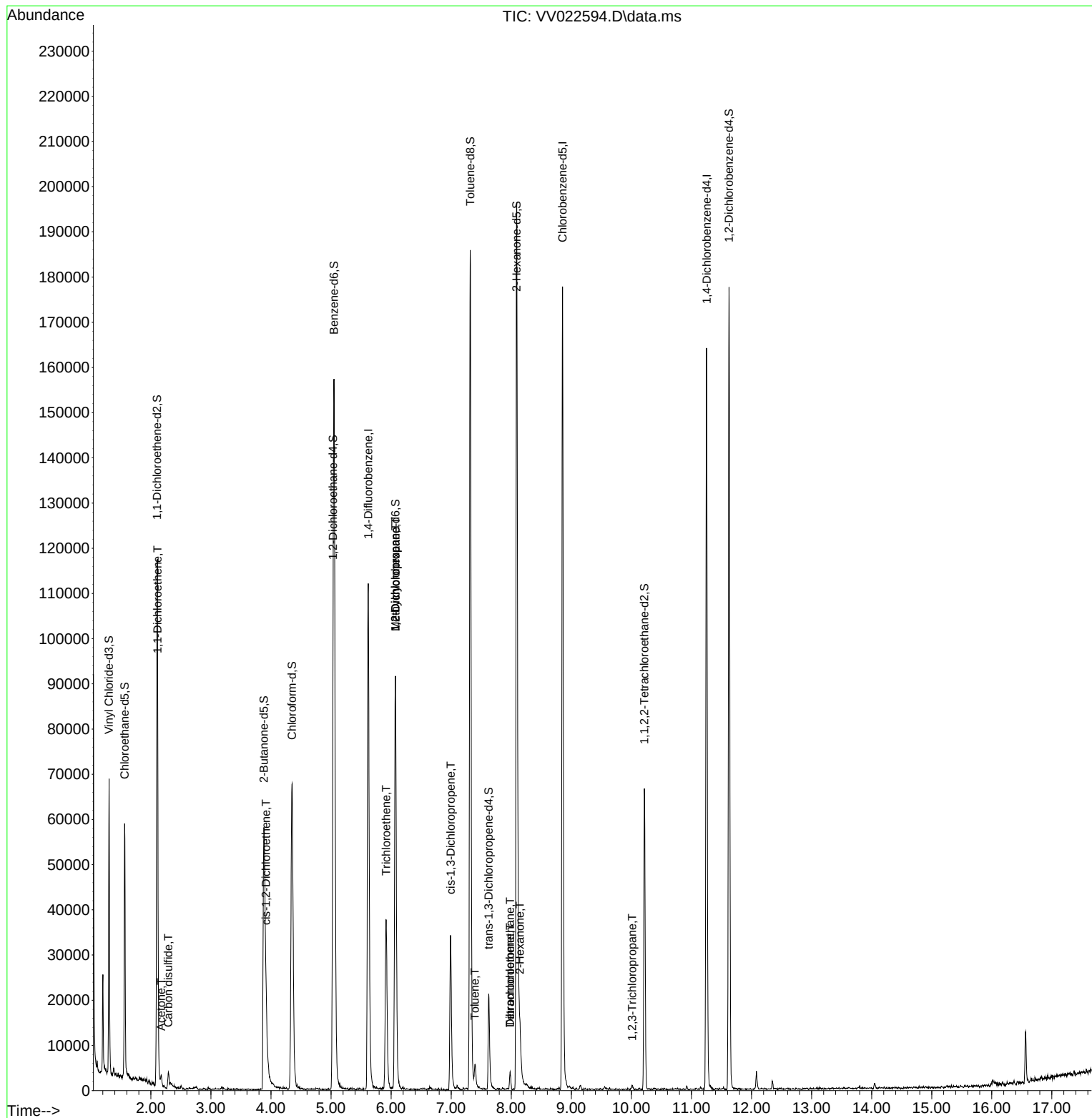
| Compound                      | R.T.   | QIon  | Response | Conc     | Units       | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|-------------|----------|
| Internal Standards            |        |       |          |          |             |          |
| 1) 1,4-Difluorobenzene        | 5.619  | 114   | 100460   | 5.000    | ug/L        | 0.00     |
| 28) Chlorobenzene-d5          | 8.853  | 117   | 101761   | 5.000    | ug/L        | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.252 | 152   | 46136    | 5.000    | ug/L        | 0.00     |
| System Monitoring Compounds   |        |       |          |          |             |          |
| 4) Vinyl Chloride-d3          | 1.304  | 65    | 38509    | 11.964   | ug/L        | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | = 239.200%# |          |
| 7) Chloroethane-d5            | 1.564  | 69    | 32974    | 7.600    | ug/L        | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | = 152.000%# |          |
| 11) 1,1-Dichloroethene-d2     | 2.105  | 63    | 59232    | 6.342    | ug/L        | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | = 126.800%# |          |
| 20) 2-Butanone-d5             | 3.883  | 46    | 93367    | 49.072   | ug/L        | -0.03    |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | = 98.140%   |          |
| 24) Chloroform-d              | 4.349  | 84    | 72650    | 5.861    | ug/L        | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | = 117.200%  |          |
| 26) 1,2-Dichloroethane-d4     | 5.034  | 65    | 36721    | 6.289    | ug/L        | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | = 125.800%  |          |
| 32) Benzene-d6                | 5.050  | 84    | 144125   | 6.285    | ug/L        | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | = 125.800%# |          |
| 36) 1,2-Dichloropropane-d6    | 6.072  | 67    | 44937    | 5.554    | ug/L        | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | = 111.000%  |          |
| 41) Toluene-d8                | 7.317  | 98    | 123095   | 6.403    | ug/L        | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | = 128.000%  |          |
| 43) trans-1,3-Dichloroprop... | 7.625  | 79    | 12308    | 5.749    | ug/L        | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | = 115.000%  |          |
| 46) 2-Hexanone-d5             | 8.088  | 63    | 62721    | 47.312   | ug/L        | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | = 94.620%   |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.217 | 84    | 30916    | 5.029    | ug/L        | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | = 100.600%  |          |
| 66) 1,2-Dichlorobenzene-d4    | 11.625 | 152   | 48384    | 6.780    | ug/L        | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | = 135.600%# |          |
| Target Compounds              |        |       |          |          |             |          |
|                               |        |       |          |          | Qvalue      |          |
| 12) 1,1-Dichloroethene        | 2.114  | 96    | 2849     | 0.463    | ug/L #      | 1        |
| 13) Acetone                   | 2.172  | 43    | 2500     | 2.443    | ug/L #      | 48       |
| 14) Carbon disulfide          | 2.291  | 76    | 3676     | 0.204    | ug/L        | 100      |
| 22) cis-1,2-Dichloroethene    | 3.915  | 96    | 3856     | 0.530    | ug/L        | 91       |
| 34) Trichloroethene           | 5.918  | 95    | 12585    | 1.579    | ug/L        | 98       |
| 35) Methylcyclohexane         | 6.072  | 83    | 11014    | 0.986    | ug/L #      | 20       |
| 37) 1,2-Dichloropropane       | 6.072  | 63    | 4858     | 0.726    | ug/L #      | 84       |
| 39) cis-1,3-Dichloropropene   | 6.992  | 75    | 878      | 0.097    | ug/L #      | 57       |
| 42) Toluene                   | 7.394  | 91    | 4322     | 0.150    | ug/L        | 95       |
| 47) Tetrachloroethene         | 7.982  | 164   | 812      | 0.131    | ug/L #      | 76       |
| 48) 2-Hexanone                | 8.143  | 43    | 7858     | 2.964    | ug/L #      | 86       |
| 49) Dibromochloromethane      | 7.982  | 129   | 828      | 0.141    | ug/L #      | 12       |
| 61) 1,2,3-Trichloropropane    | 10.011 | 75    | 624      | 0.182    | ug/L #      | 38       |

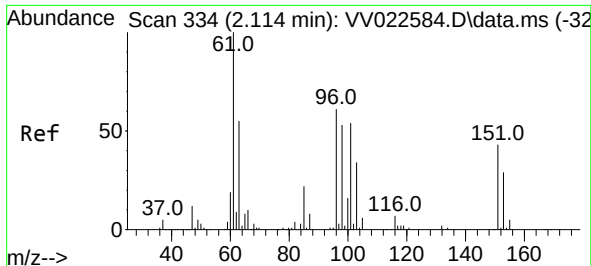
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV100521\  
Data File : VV022594.D  
Acq On : 06 Oct 2021 01:48  
Operator : SY/MD  
Sample : M4051-09  
Misc : 25.0mL/MSVOA\_V/WATER  
ALS Vial : 38 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :

Quant Time: Oct 06 08:07:57 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR100421WMA.M  
Quant Title : TRACE VOA SFAM1.0  
QLast Update : Wed Oct 06 07:50:25 2021  
Response via : Initial Calibration

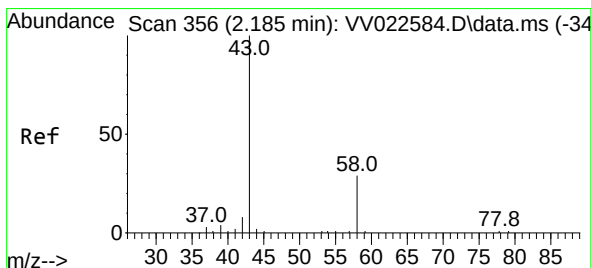
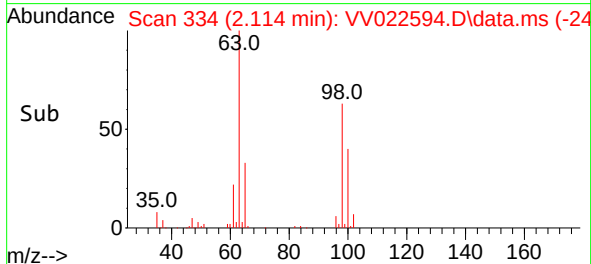
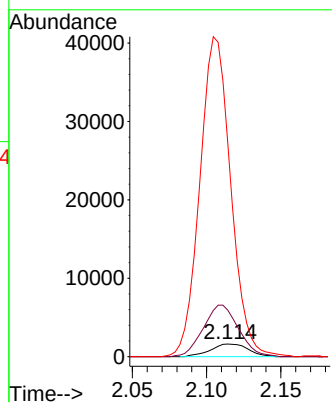
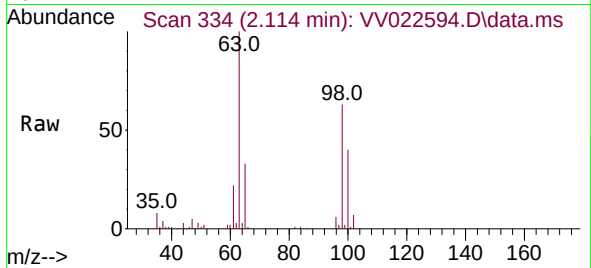




#12  
1,1-Dichloroethene  
Concen: 0.463 ug/L  
RT: 2.114 min Scan# 334  
Delta R.T. -0.000 min  
Lab File: VV022594.D  
Acq: 06 Oct 2021 01:48

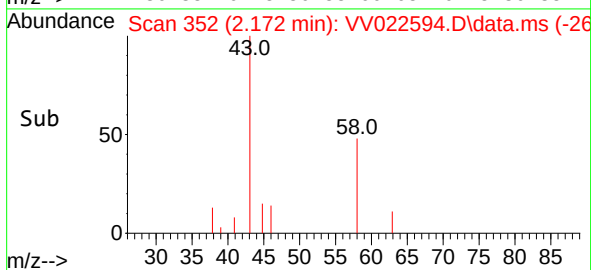
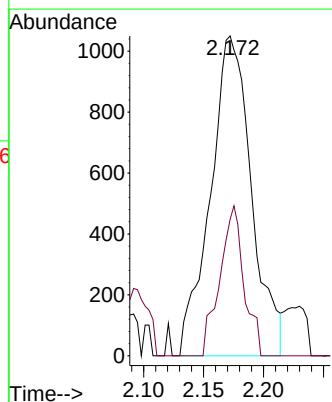
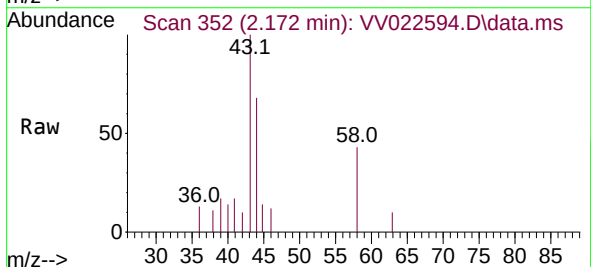
Instrument :  
MSVOA\_V  
ClientSampled :

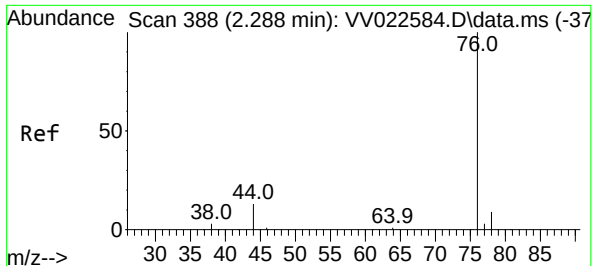
Tgt Ion: 96 Resp: 2849  
Ion Ratio Lower Upper  
96 100  
61 366.6 113.2 210.2#  
63 1687.4 66.6 123.8#



#13  
Acetone  
Concen: 2.443 ug/L  
RT: 2.172 min Scan# 352  
Delta R.T. -0.013 min  
Lab File: VV022594.D  
Acq: 06 Oct 2021 01:48

Tgt Ion: 43 Resp: 2500  
Ion Ratio Lower Upper  
43 100  
58 27.5 0.0 17.6#

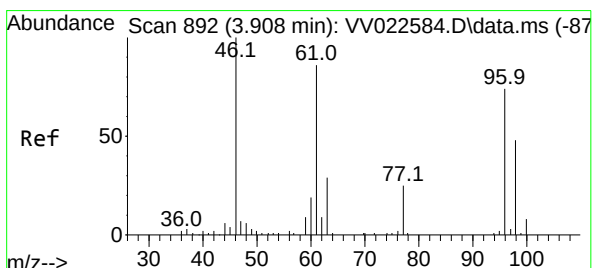
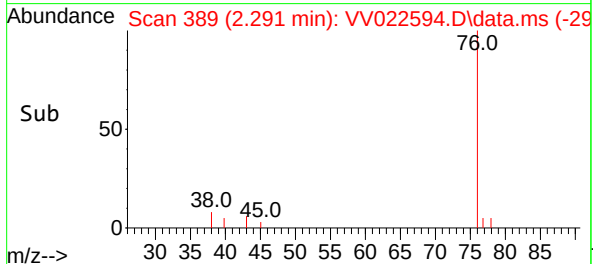
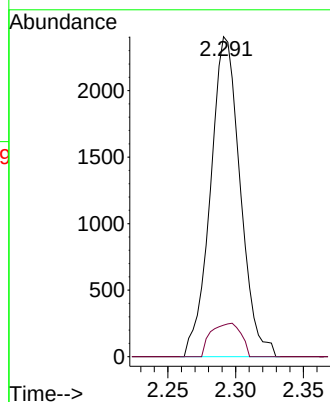
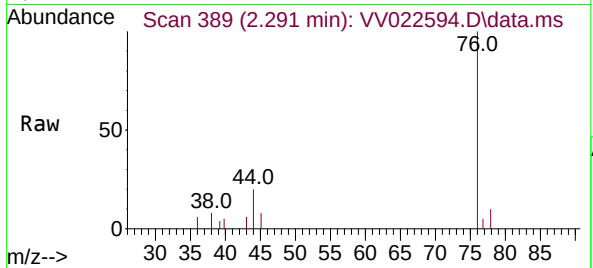




#14  
Carbon disulfide  
Concen: 0.204 ug/L  
RT: 2.291 min Scan# 389  
Delta R.T. 0.003 min  
Lab File: VV022594.D  
Acq: 06 Oct 2021 01:48

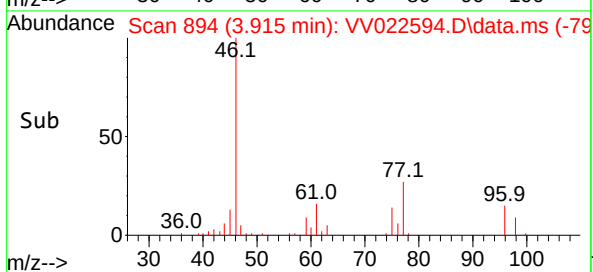
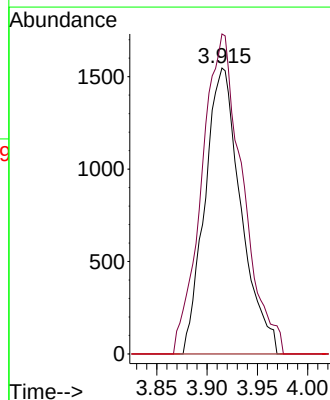
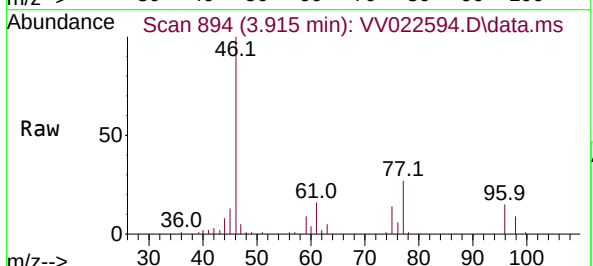
Instrument :  
MSVOA\_V  
ClientSampled :

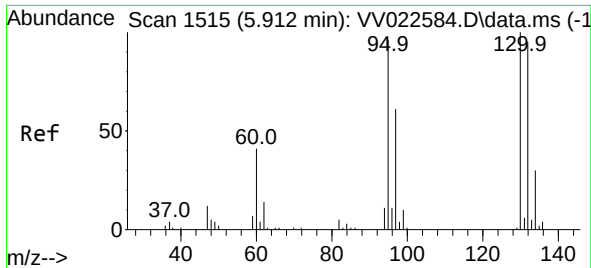
Tgt Ion: 76 Resp: 3676  
Ion Ratio Lower Upper  
76 100  
78 9.9 7.8 11.6



#22  
cis-1,2-Dichloroethene  
Concen: 0.530 ug/L  
RT: 3.915 min Scan# 894  
Delta R.T. 0.006 min  
Lab File: VV022594.D  
Acq: 06 Oct 2021 01:48

Tgt Ion: 96 Resp: 3856  
Ion Ratio Lower Upper  
96 100  
61 111.9 85.6 159.0  
68 0.0 0.0 0.0



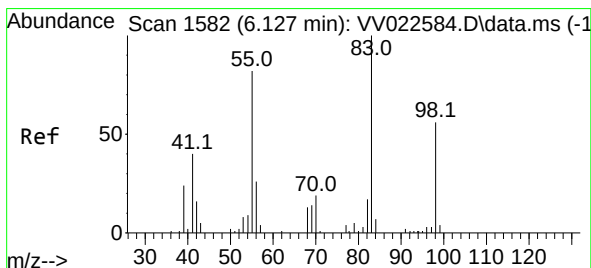
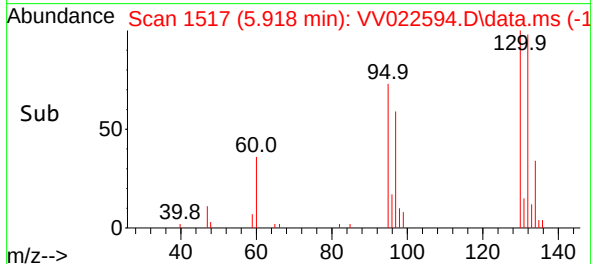
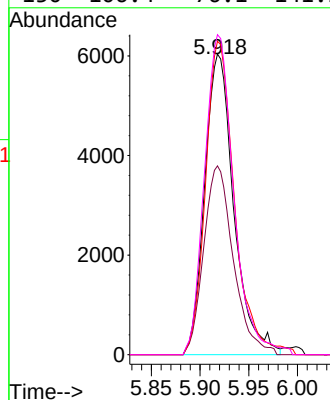
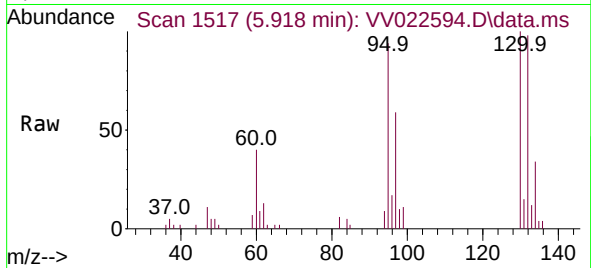


#34  
Trichloroethene  
Concen: 1.579 ug/L  
RT: 5.918 min Scan# 1517  
Delta R.T. 0.006 min  
Lab File: VV022594.D  
Acq: 06 Oct 2021 01:48

Instrument :  
MSVOA\_V  
ClientSampled :

Tgt Ion: 95 Resp: 12585

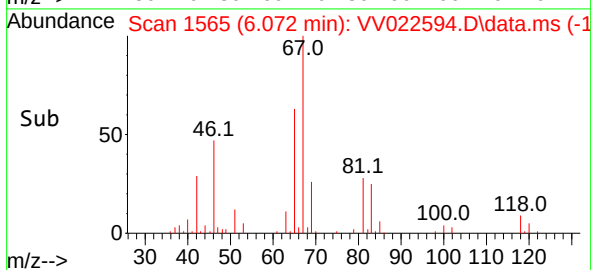
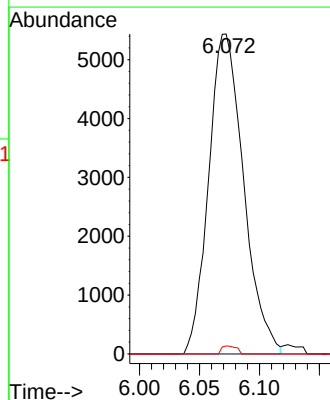
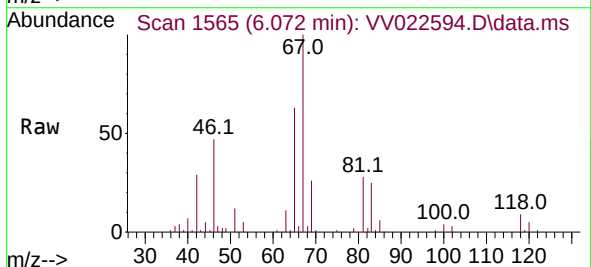
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 97  | 62.8  | 46.5  | 86.5  |
| 132 | 104.2 | 73.0  | 135.6 |
| 130 | 106.4 | 76.1  | 141.3 |

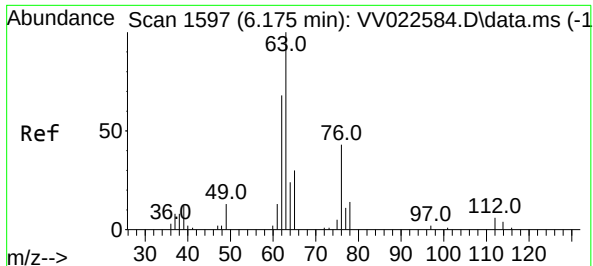


#35  
Methylcyclohexane  
Concen: 0.986 ug/L  
RT: 6.072 min Scan# 1565  
Delta R.T. -0.055 min  
Lab File: VV022594.D  
Acq: 06 Oct 2021 01:48

Tgt Ion: 83 Resp: 11014

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 83  | 100   |       |       |
| 55  | 0.0   | 57.8  | 86.8# |
| 98  | 1.1   | 39.8  | 59.8# |





#37

1,2-Dichloropropane

Concen: 0.726 ug/L

RT: 6.072 min Scan# 1565

Delta R.T. -0.103 min

Lab File: VV022594.D

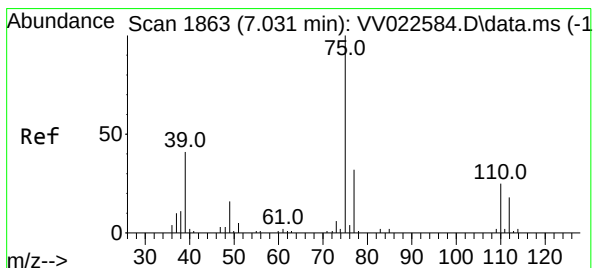
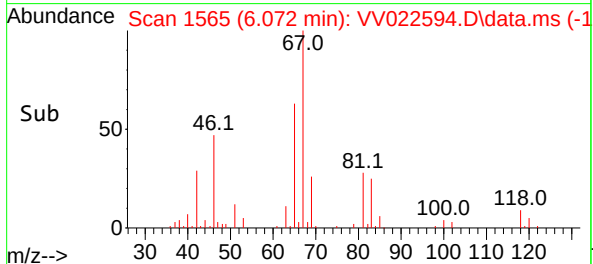
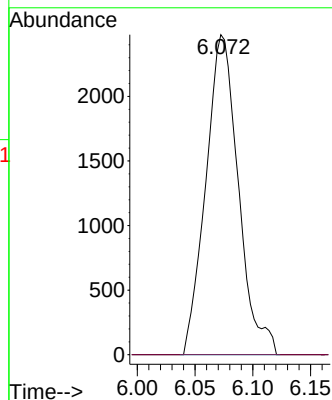
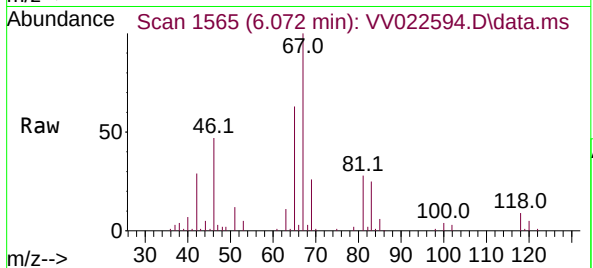
Acq: 06 Oct 2021 01:48

Tgt Ion: 63 Resp: 4858

Ion Ratio Lower Upper

63 100

112 0.0 4.3 6.5#



#39

cis-1,3-Dichloropropene

Concen: 0.097 ug/L

RT: 6.992 min Scan# 1851

Delta R.T. -0.039 min

Lab File: VV022594.D

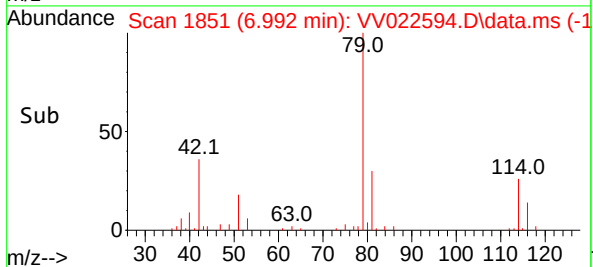
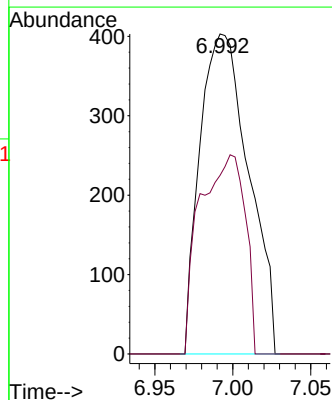
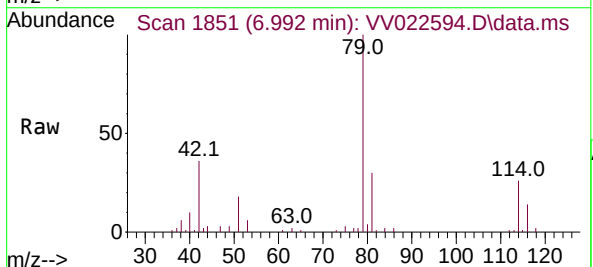
Acq: 06 Oct 2021 01:48

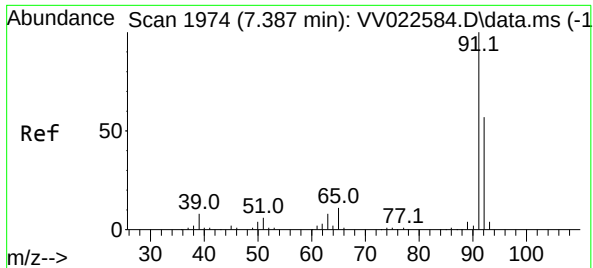
Tgt Ion: 75 Resp: 878

Ion Ratio Lower Upper

75 100

77 55.8 22.4 41.6#

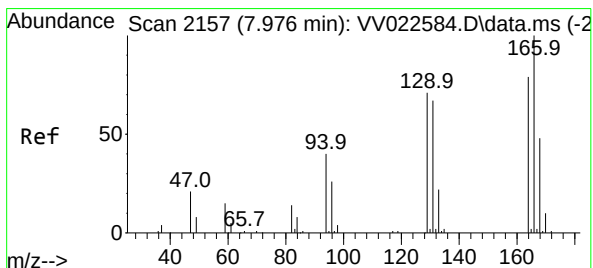
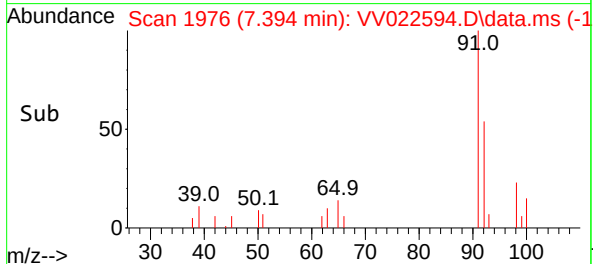
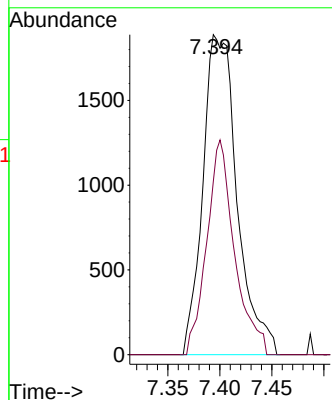
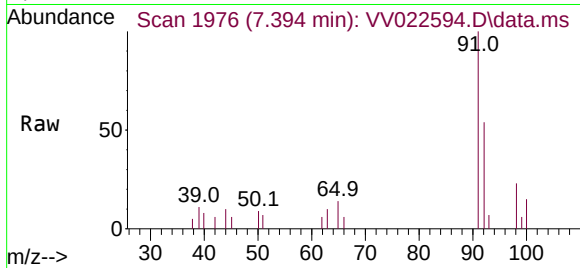




#42  
Toluene  
Concen: 0.150 ug/L  
RT: 7.394 min Scan# 1976  
Delta R.T. 0.006 min  
Lab File: VV022594.D  
Acq: 06 Oct 2021 01:48

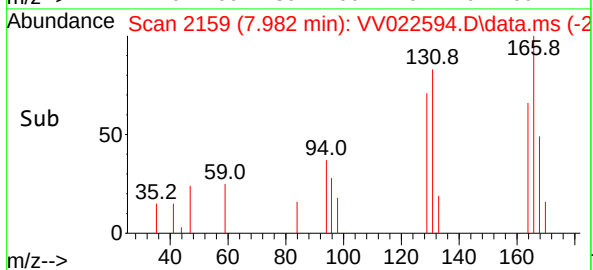
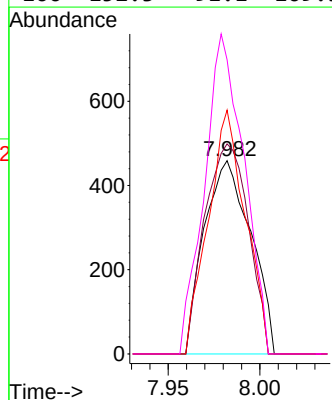
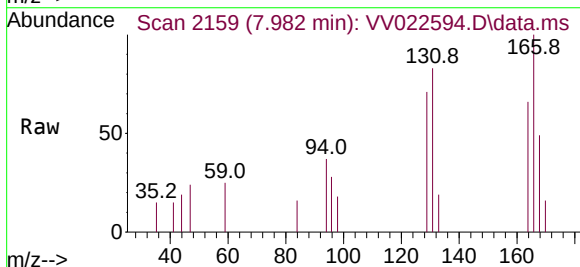
Instrument :  
MSVOA\_V  
ClientSampled :

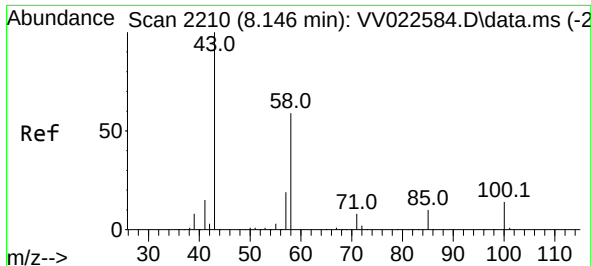
Tgt Ion: 91 Resp: 4322  
Ion Ratio Lower Upper  
91 100  
92 54.1 40.5 75.3



#47  
Tetrachloroethene  
Concen: 0.131 ug/L  
RT: 7.982 min Scan# 2159  
Delta R.T. 0.006 min  
Lab File: VV022594.D  
Acq: 06 Oct 2021 01:48

Tgt Ion: 164 Resp: 812  
Ion Ratio Lower Upper  
164 100  
129 108.7 65.5 121.6  
131 126.1 62.4 116.0#  
166 152.3 91.1 169.3

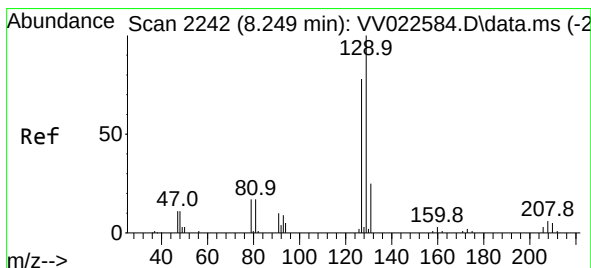
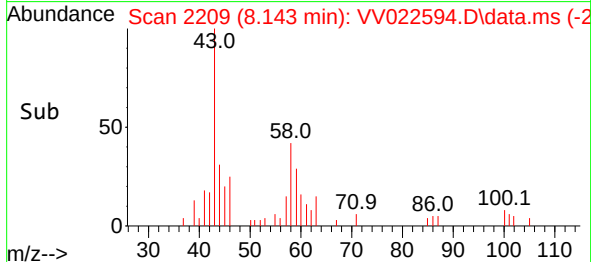
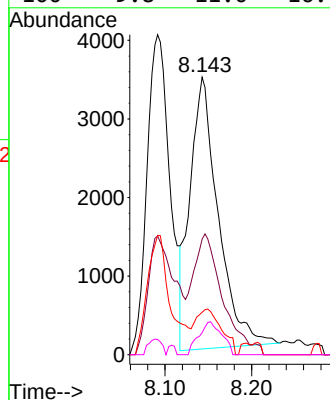
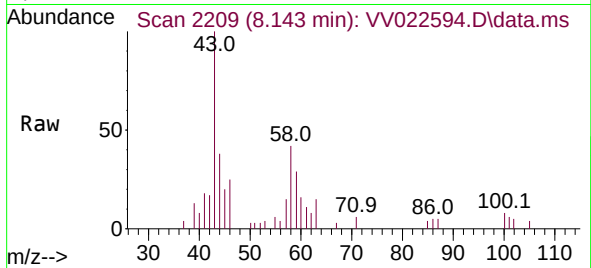




#48  
2-Hexanone  
Concen: 2.964 ug/L  
RT: 8.143 min Scan# 2209  
Delta R.T. -0.003 min  
Lab File: VV022594.D  
Acq: 06 Oct 2021 01:48

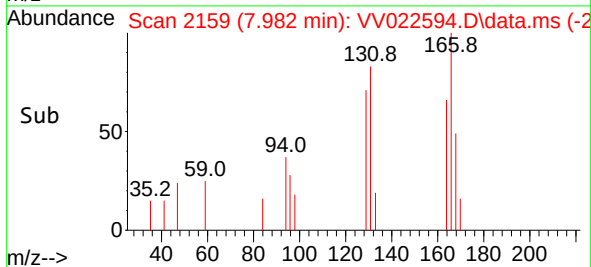
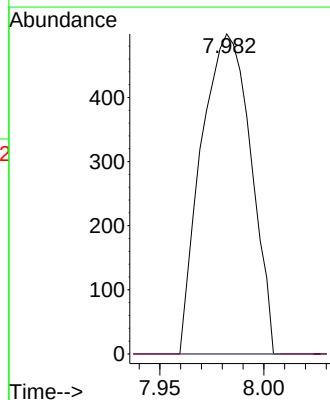
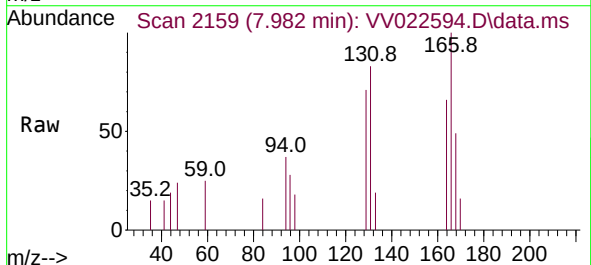
Instrument :  
MSVOA\_V  
ClientSampleId :

|             |             |
|-------------|-------------|
| Tgt Ion: 43 | Resp: 7858  |
| Ion Ratio   | Lower Upper |
| 43 100      |             |
| 58 46.7     | 46.4 69.6   |
| 57 15.2     | 16.3 24.5#  |
| 100 9.8     | 11.0 16.6#  |

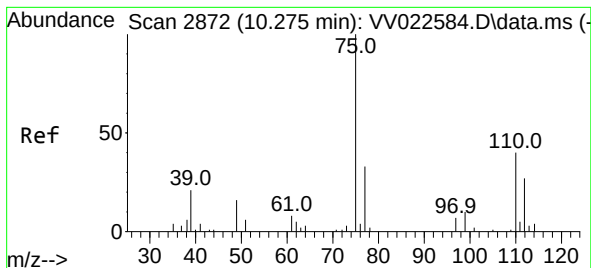


#49  
Dibromochloromethane  
Concen: 0.141 ug/L  
RT: 7.982 min Scan# 2159  
Delta R.T. -0.267 min  
Lab File: VV022594.D  
Acq: 06 Oct 2021 01:48

|              |             |
|--------------|-------------|
| Tgt Ion: 129 | Resp: 828   |
| Ion Ratio    | Lower Upper |
| 129 100      |             |
| 127 0.0      | 52.6 97.6#  |

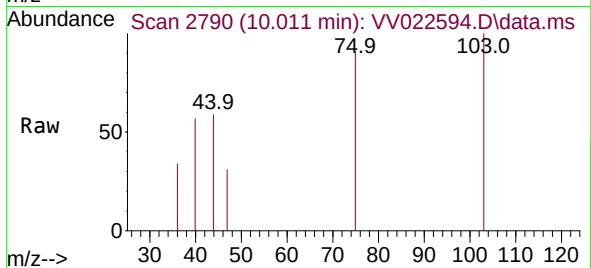






#61  
 1,2,3-Trichloropropane  
 Concen: 0.182 ug/L  
 RT: 10.011 min Scan# 2790  
 Delta R.T. -0.264 min  
 Lab File: VV022594.D  
 Acq: 06 Oct 2021 01:48

Instrument :  
 MSVOA\_V  
 ClientSampleId :



|             |             |
|-------------|-------------|
| Tgt Ion: 75 | Resp: 624   |
| Ion Ratio   | Lower Upper |
| 75 100      |             |
| 77 0.0      | 26.1 39.1#  |
| 110 0.0     | 33.0 49.6#  |

