

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV100621\  
 Data File : VV022651.D  
 Acq On : 07 Oct 2021 03:51  
 Operator : SY/MD  
 Sample : M4050-19  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 46 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Oct 07 07:51:32 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR100421WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Thu Oct 07 07:45:03 2021  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|--------|------|----------|-------|-------|----------|
| -----                      |        |      |          |       |       |          |
| Internal Standards         |        |      |          |       |       |          |
| 1) 1,4-Difluorobenzene     | 5.619  | 114  | 103042   | 5.000 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.854  | 117  | 103574   | 5.000 | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4 | 11.249 | 152  | 47333    | 5.000 | ug/L  | 0.00     |

|                               |        |       |          |          |      |          |
|-------------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds   |        |       |          |          |      |          |
| 4) Vinyl Chloride-d3          | 1.304  | 65    | 12768    | 3.867    | ug/L | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =    | 77.400%  |
| 7) Chloroethane-d5            | 1.568  | 69    | 20766    | 4.666    | ug/L | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =    | 93.400%  |
| 11) 1,1-Dichloroethene-d2     | 2.108  | 63    | 26227    | 2.738    | ug/L | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =    | 54.800%# |
| 20) 2-Butanone-d5             | 3.889  | 46    | 92892    | 47.599   | ug/L | -0.02    |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =    | 95.200%  |
| 24) Chloroform-d              | 4.352  | 84    | 54915    | 4.320    | ug/L | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =    | 86.400%  |
| 26) 1,2-Dichloroethane-d4     | 5.034  | 65    | 27836    | 4.648    | ug/L | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =    | 93.000%  |
| 32) Benzene-d6                | 5.053  | 84    | 98106    | 4.203    | ug/L | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =    | 84.000%  |
| 36) 1,2-Dichloropropane-d6    | 6.069  | 67    | 35258    | 4.282    | ug/L | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =    | 85.600%  |
| 41) Toluene-d8                | 7.320  | 98    | 75043    | 3.835    | ug/L | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =    | 76.800%  |
| 43) trans-1,3-Dichloroprop... | 7.629  | 79    | 8490     | 3.896    | ug/L | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =    | 78.000%  |
| 46) 2-Hexanone-d5             | 8.092  | 63    | 57045    | 42.277   | ug/L | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =    | 84.560%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.217 | 84    | 26140    | 4.178    | ug/L | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =    | 83.600%  |
| 66) 1,2-Dichlorobenzene-d4    | 11.625 | 152   | 35472    | 4.845    | ug/L | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =    | 96.800%  |

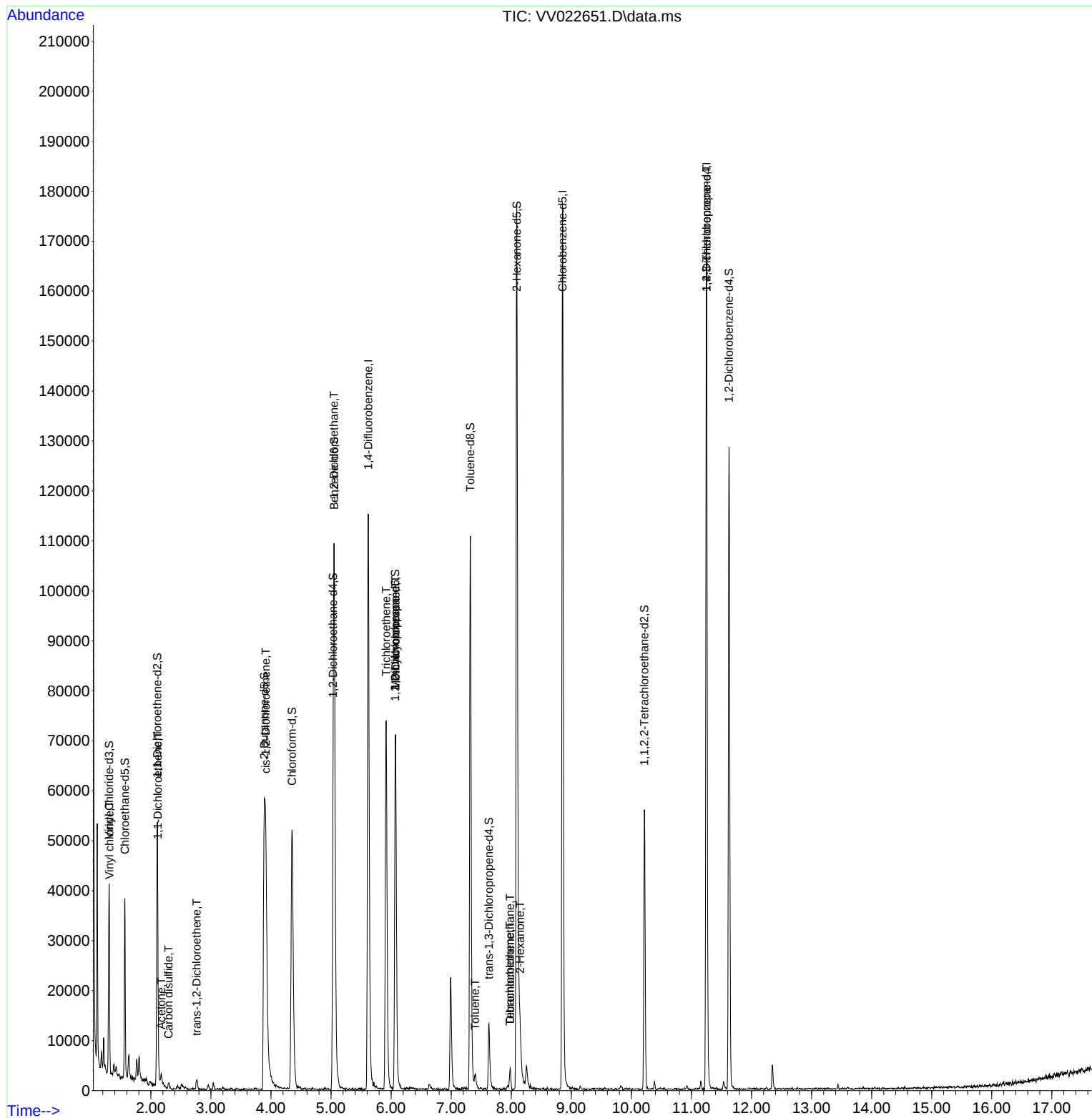
|                              |        |     |       |        |        |    |
|------------------------------|--------|-----|-------|--------|--------|----|
| Target Compounds             |        |     |       | Qvalue |        |    |
| 5) Vinyl chloride            | 1.310  | 62  | 1339  | 0.169  | ug/L   | 85 |
| 12) 1,1-Dichloroethene       | 2.114  | 96  | 844   | 0.134  | ug/L # | 1  |
| 13) Acetone                  | 2.175  | 43  | 2103  | 2.004  | ug/L # | 1  |
| 14) Carbon disulfide         | 2.294  | 76  | 1572  | 0.085  | ug/L   | 97 |
| 18) trans-1,2-Dichloroethene | 2.761  | 96  | 455   | 0.066  | ug/L   | 82 |
| 22) cis-1,2-Dichloroethene   | 3.912  | 96  | 16425 | 2.201  | ug/L   | 95 |
| 27) 1,2-Dichloroethane       | 5.050  | 62  | 571   | 0.080  | ug/L # | 74 |
| 34) Trichloroethene          | 5.918  | 95  | 24986 | 3.080  | ug/L   | 98 |
| 35) Methylcyclohexane        | 6.072  | 83  | 9087  | 0.799  | ug/L # | 21 |
| 37) 1,2-Dichloropropane      | 6.072  | 63  | 3863  | 0.567  | ug/L # | 84 |
| 42) Toluene                  | 7.397  | 91  | 2542  | 0.087  | ug/L   | 99 |
| 47) Tetrachloroethene        | 7.979  | 164 | 911   | 0.144  | ug/L   | 90 |
| 48) 2-Hexanone               | 8.146  | 43  | 6980  | 2.587  | ug/L # | 77 |
| 49) Dibromochloromethane     | 7.982  | 129 | 1003  | 0.167  | ug/L # | 12 |
| 61) 1,2,3-Trichloropropane   | 11.249 | 75  | 5319  | 1.516  | ug/L # | 64 |

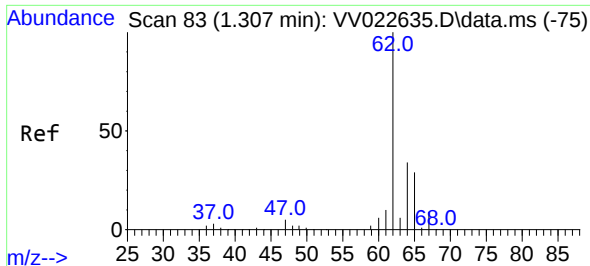
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV100621\  
Data File : VV022651.D  
Acq On : 07 Oct 2021 03:51  
Operator : SY/MD  
Sample : M4050-19  
Misc : 25.0mL/MSVOA\_V/WATER  
ALS Vial : 46 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :

Quant Time: Oct 07 07:51:32 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR100421WMA.M  
Quant Title : TRACE VOA SFAM1.0  
QLast Update : Thu Oct 07 07:45:03 2021  
Response via : Initial Calibration

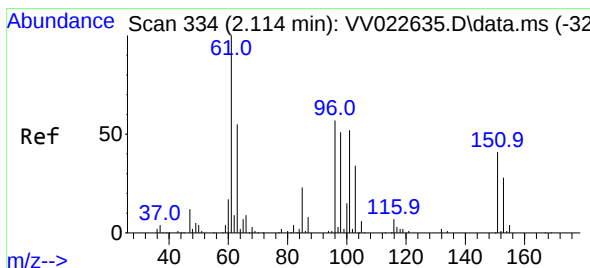
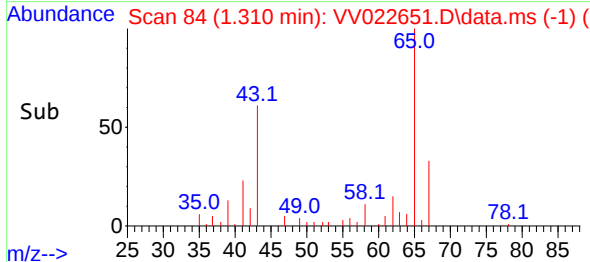
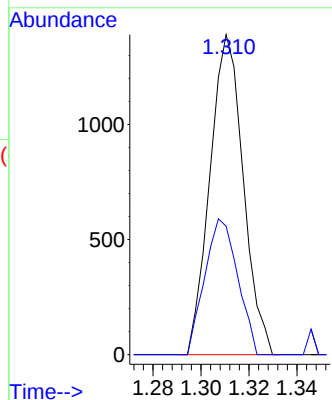
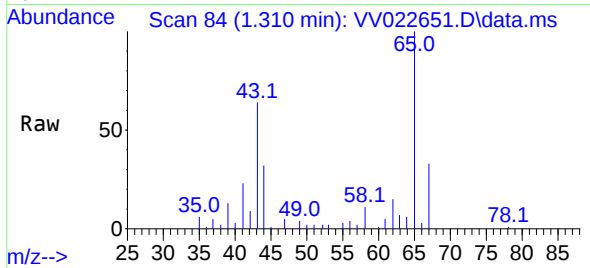




#5  
 Vinyl chloride  
 Concen: 0.169 ug/L  
 RT: 1.310 min Scan# 84  
 Delta R.T. 0.003 min  
 Lab File: VV022651.D  
 Acq: 07 Oct 2021 03:51

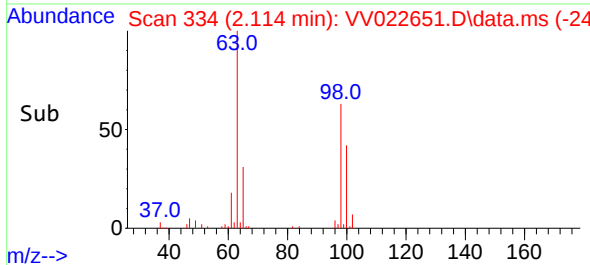
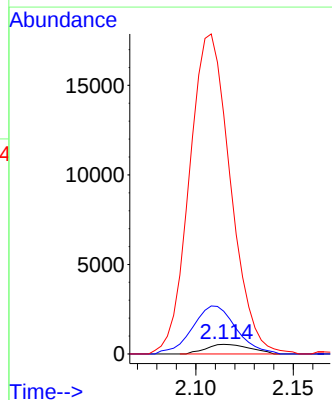
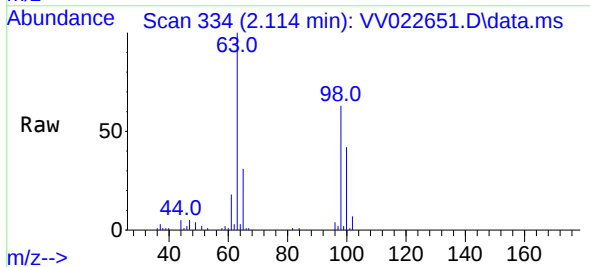
Instrument :  
 MSVOA\_V  
 ClientSampled :

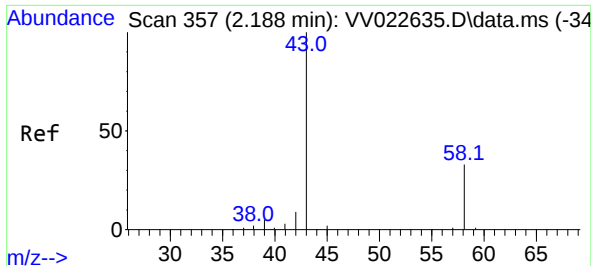
Tgt Ion: 62 Resp: 1339  
 Ion Ratio Lower Upper  
 62 100  
 64 40.1 22.3 41.5



#12  
 1,1-Dichloroethene  
 Concen: 0.134 ug/L  
 RT: 2.114 min Scan# 334  
 Delta R.T. 0.000 min  
 Lab File: VV022651.D  
 Acq: 07 Oct 2021 03:51

Tgt Ion: 96 Resp: 844  
 Ion Ratio Lower Upper  
 96 100  
 61 443.4 113.2 210.2#  
 63 2481.6 66.6 123.8#

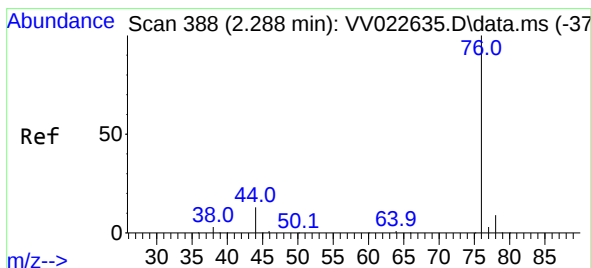
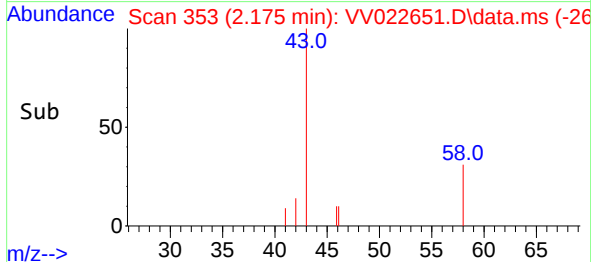
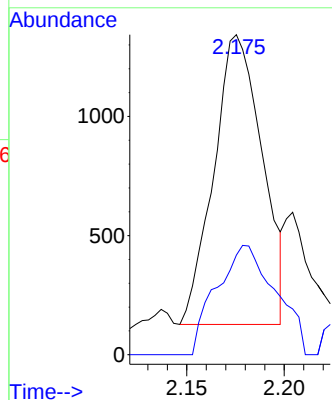
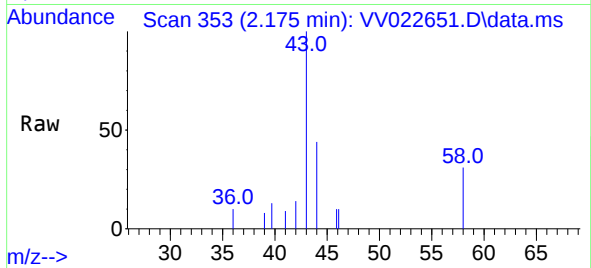




#13  
Acetone  
Concen: 2.004 ug/L  
RT: 2.175 min Scan# 353  
Delta R.T. -0.013 min  
Lab File: VV022651.D  
Acq: 07 Oct 2021 03:51

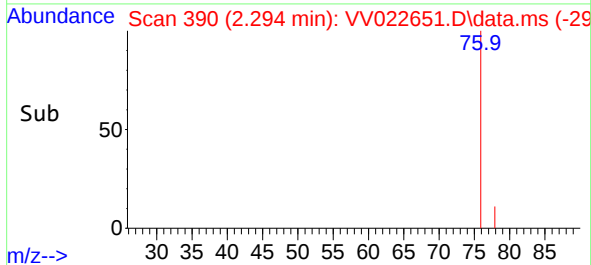
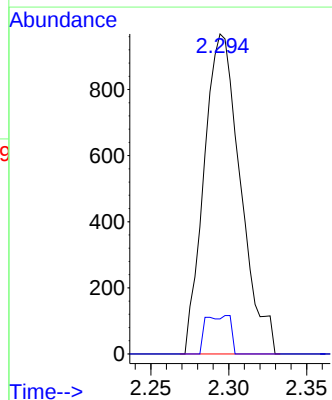
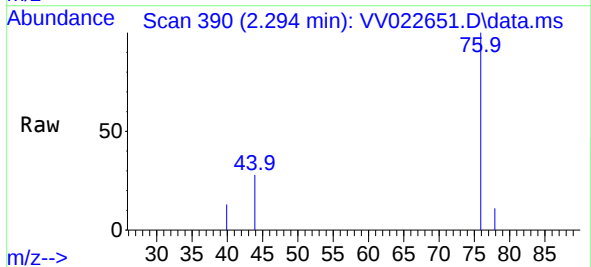
Instrument :  
MSVOA\_V  
ClientSampled :

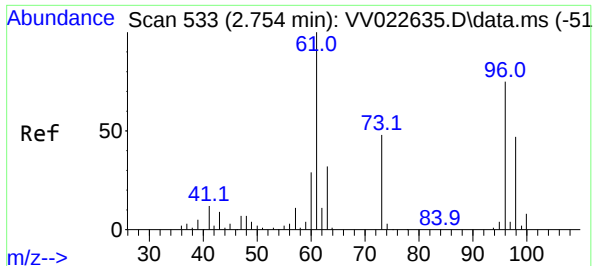
Tgt Ion: 43 Resp: 2103  
Ion Ratio Lower Upper  
43 100  
58 46.0 0.0 17.6#



#14  
Carbon disulfide  
Concen: 0.085 ug/L  
RT: 2.294 min Scan# 390  
Delta R.T. 0.006 min  
Lab File: VV022651.D  
Acq: 07 Oct 2021 03:51

Tgt Ion: 76 Resp: 1572  
Ion Ratio Lower Upper  
76 100  
78 11.0 7.8 11.6



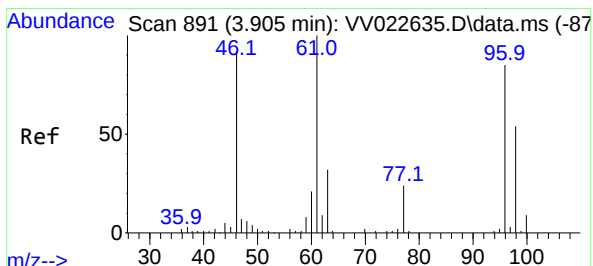
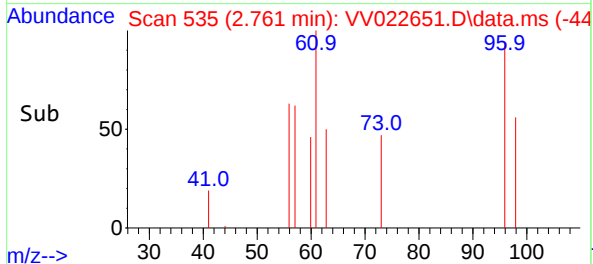
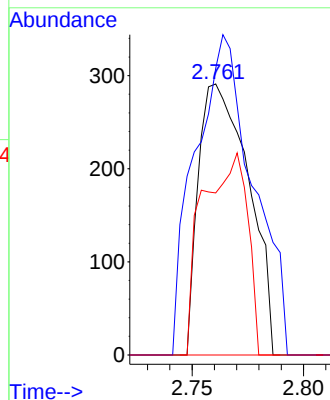
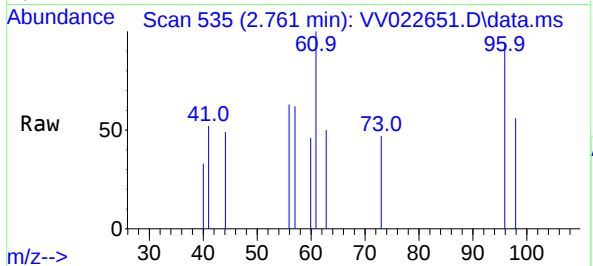


#18  
trans-1,2-Dichloroethene  
Concen: 0.066 ug/L  
RT: 2.761 min Scan# 535  
Delta R.T. 0.006 min  
Lab File: VV022651.D  
Acq: 07 Oct 2021 03:51

Instrument :  
MSVOA\_V  
ClientSampleId :

Tgt Ion: 96 Resp: 455

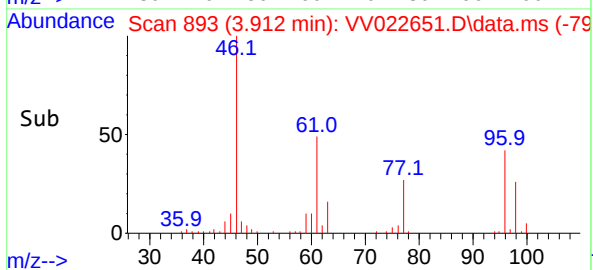
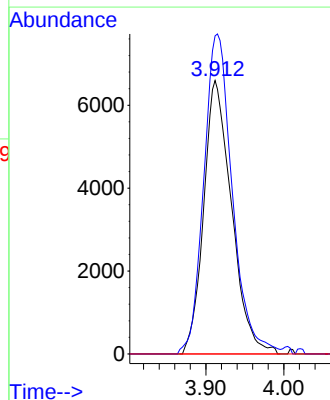
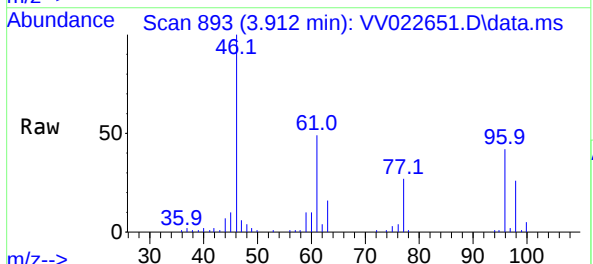
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 105.8 | 94.0  | 174.6 |
| 98  | 59.8  | 44.9  | 83.3  |

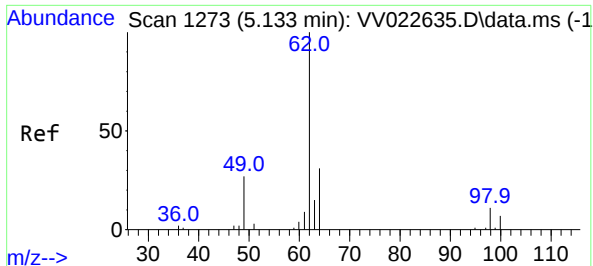


#22  
cis-1,2-Dichloroethene  
Concen: 2.201 ug/L  
RT: 3.912 min Scan# 893  
Delta R.T. 0.006 min  
Lab File: VV022651.D  
Acq: 07 Oct 2021 03:51

Tgt Ion: 96 Resp: 16425

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 116.3 | 85.6  | 159.0 |
| 68  | 0.0   | 0.0   | 0.0   |



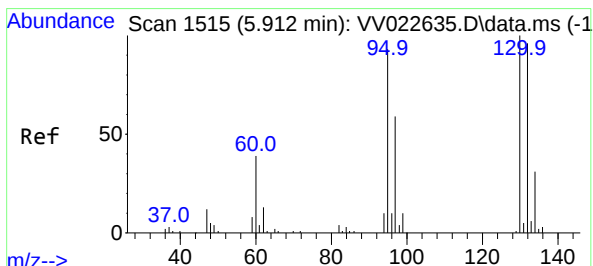
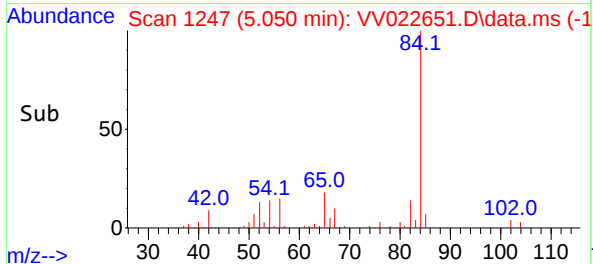
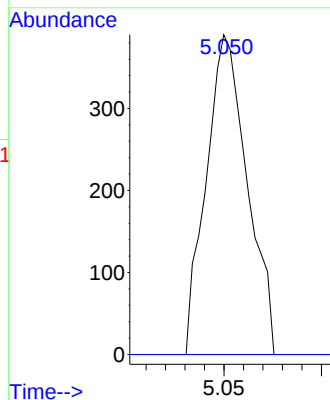
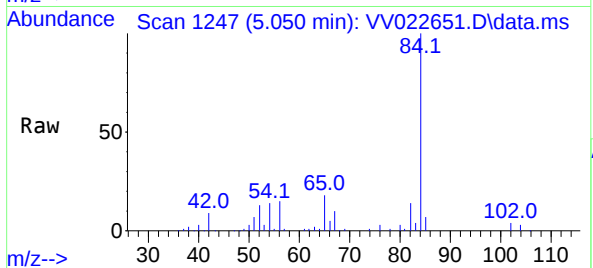


#27

1,2-Dichloroethane  
Concen: 0.080 ug/L  
RT: 5.050 min Scan# 1247  
Delta R.T. -0.084 min  
Lab File: VV022651.D  
Acq: 07 Oct 2021 03:51

Instrument :  
MSVOA\_V  
ClientSampled :

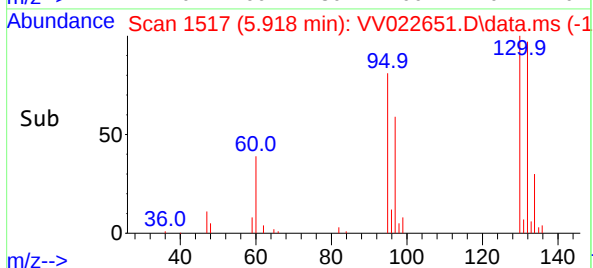
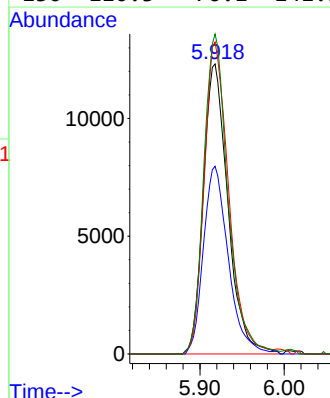
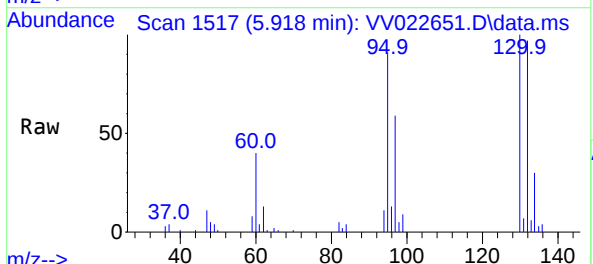
Tgt Ion: 62 Resp: 571  
Ion Ratio Lower Upper  
62 100  
98 0.0 7.4 11.2#

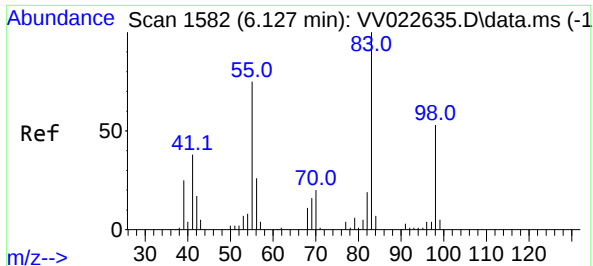


#34

Trichloroethene  
Concen: 3.080 ug/L  
RT: 5.918 min Scan# 1517  
Delta R.T. 0.006 min  
Lab File: VV022651.D  
Acq: 07 Oct 2021 03:51

Tgt Ion: 95 Resp: 24986  
Ion Ratio Lower Upper  
95 100  
97 64.7 46.5 86.5  
132 107.5 73.0 135.6  
130 110.3 76.1 141.3





#35

Methylcyclohexane

Concen: 0.799 ug/L

RT: 6.072 min Scan# 1565

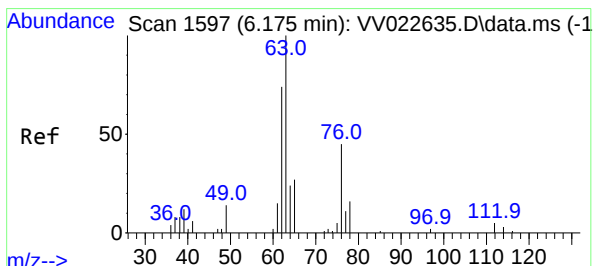
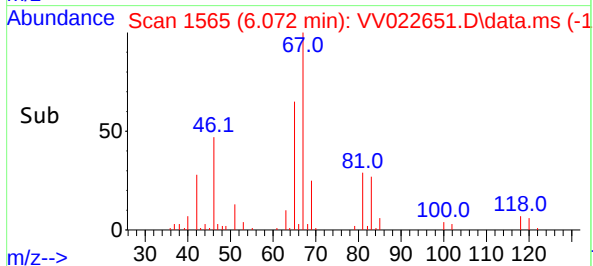
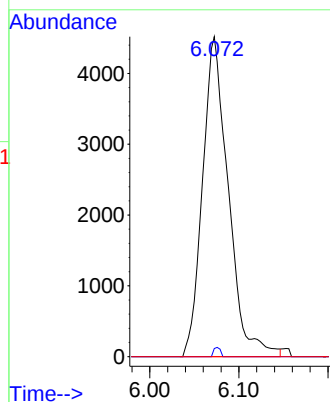
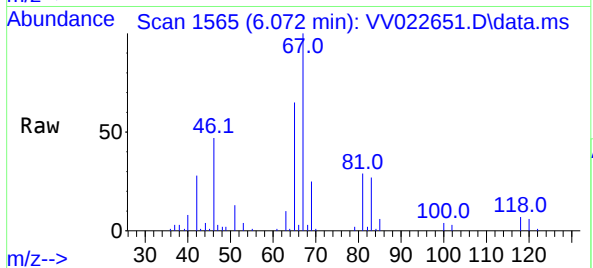
Delta R.T. -0.055 min

Lab File: VV022651.D

Acq: 07 Oct 2021 03:51

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 9087  |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 55       | 0.7   | 57.8  | 86.8# |
| 98       | 2.7   | 39.8  | 59.8# |

Instrument :  
MSVOA\_V  
ClientSampled :



#37

1,2-Dichloropropane

Concen: 0.567 ug/L

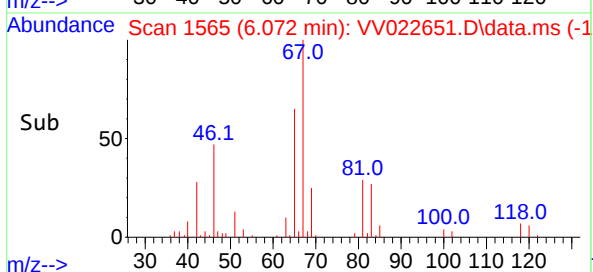
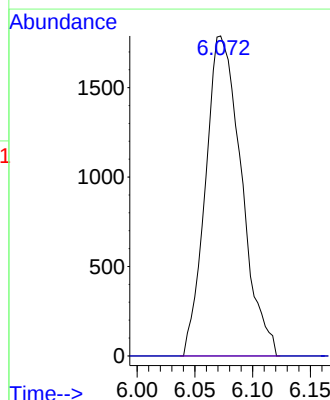
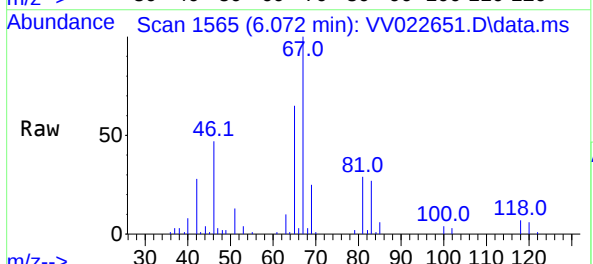
RT: 6.072 min Scan# 1565

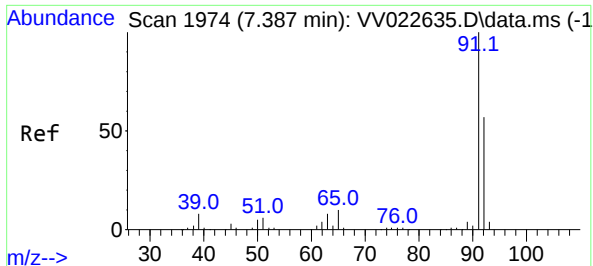
Delta R.T. -0.103 min

Lab File: VV022651.D

Acq: 07 Oct 2021 03:51

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 63    | Resp: | 3863  |
| Ion      | Ratio | Lower | Upper |
| 63       | 100   |       |       |
| 112      | 0.0   | 4.3   | 6.5#  |

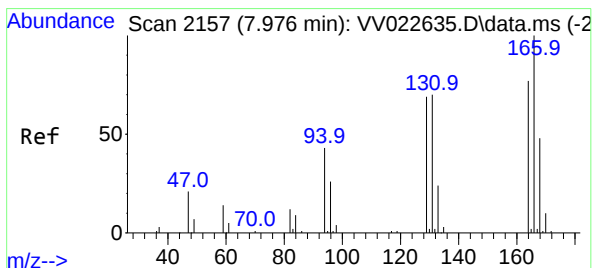
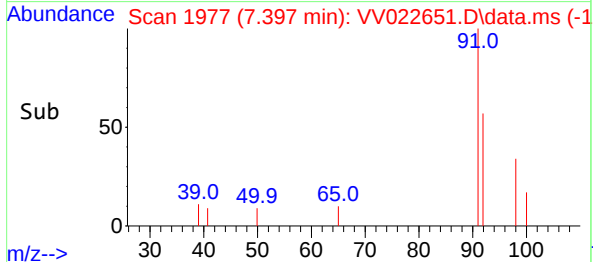
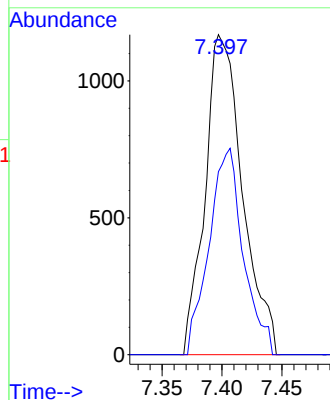
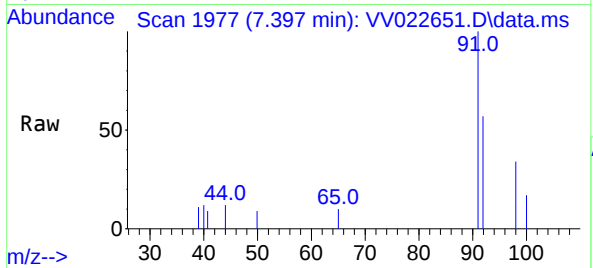




#42  
Toluene  
Concen: 0.087 ug/L  
RT: 7.397 min Scan# 1977  
Delta R.T. 0.010 min  
Lab File: VV022651.D  
Acq: 07 Oct 2021 03:51

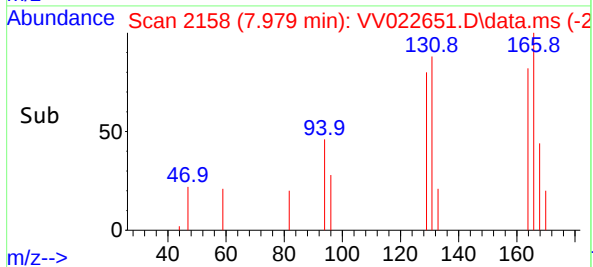
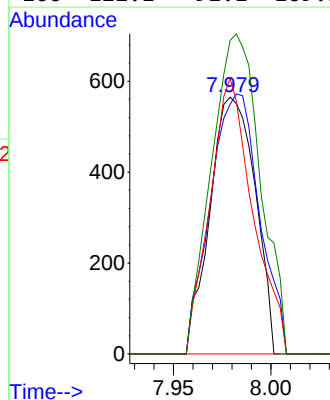
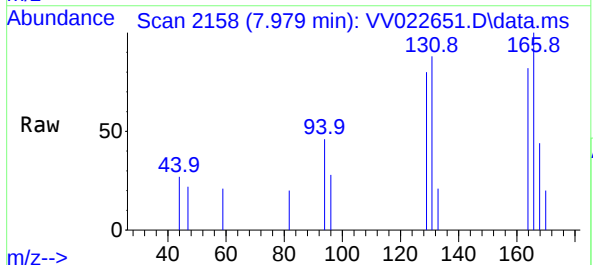
Instrument :  
MSVOA\_V  
ClientSampled :

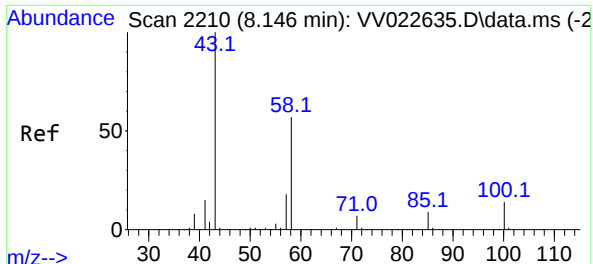
Tgt Ion: 91 Resp: 2542  
Ion Ratio Lower Upper  
91 100  
92 57.2 40.5 75.3



#47  
Tetrachloroethene  
Concen: 0.144 ug/L  
RT: 7.979 min Scan# 2158  
Delta R.T. 0.003 min  
Lab File: VV022651.D  
Acq: 07 Oct 2021 03:51

Tgt Ion: 164 Resp: 911  
Ion Ratio Lower Upper  
164 100  
129 97.2 65.5 121.6  
131 107.3 62.4 116.0  
166 122.1 91.1 169.3



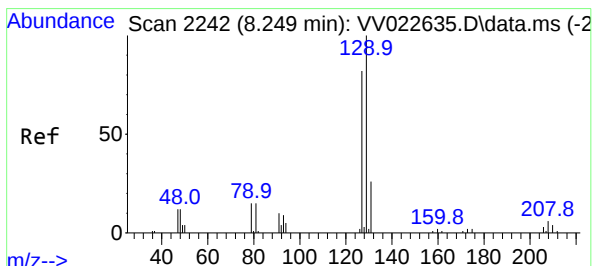
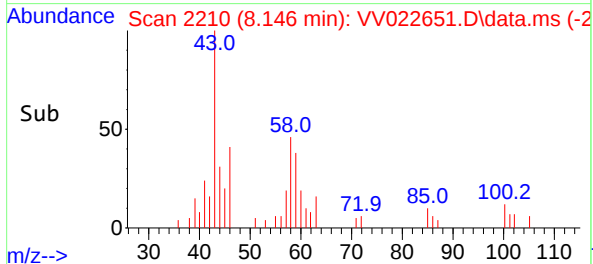
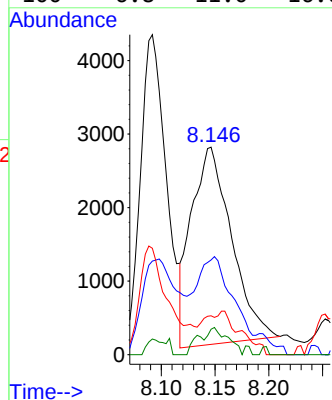
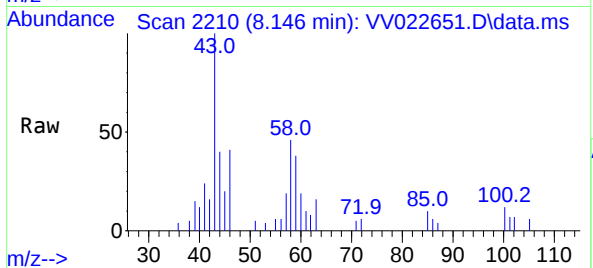


#48  
2-Hexanone  
Concen: 2.587 ug/L  
RT: 8.146 min Scan# 2210  
Delta R.T. 0.000 min  
Lab File: VV022651.D  
Acq: 07 Oct 2021 03:51

Instrument :  
MSVOA\_V  
ClientSampleId :

Tgt Ion: 43 Resp: 6980

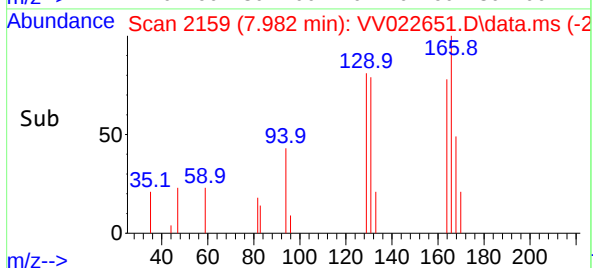
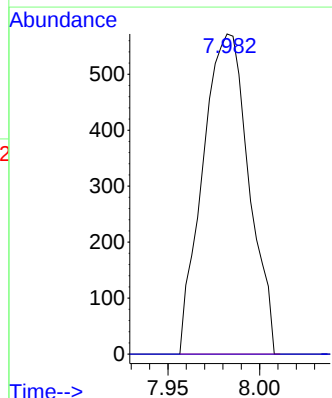
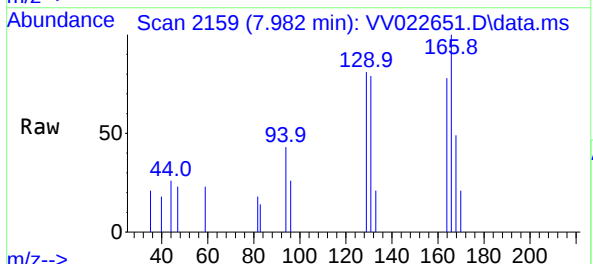
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 58  | 34.5  | 46.4  | 69.6# |
| 57  | 19.5  | 16.3  | 24.5  |
| 100 | 6.8   | 11.0  | 16.6# |

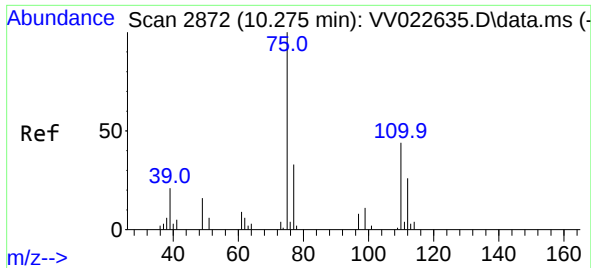


#49  
Dibromochloromethane  
Concen: 0.167 ug/L  
RT: 7.982 min Scan# 2159  
Delta R.T. -0.267 min  
Lab File: VV022651.D  
Acq: 07 Oct 2021 03:51

Tgt Ion: 129 Resp: 1003

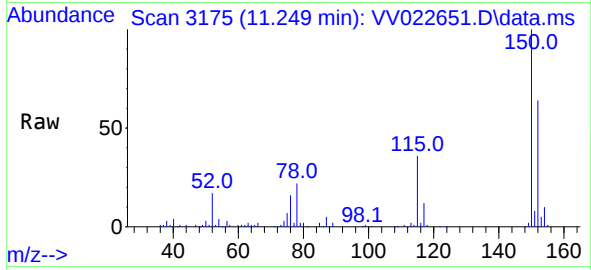
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 129 | 100   |       |       |
| 127 | 0.0   | 52.6  | 97.6# |





#61  
1,2,3-Trichloropropane  
Concen: 1.516 ug/L  
RT: 11.249 min Scan# 3175  
Delta R.T. 0.974 min  
Lab File: VV022651.D  
Acq: 07 Oct 2021 03:51

Instrument :  
MSVOA\_V  
ClientSampleId :



Tgt Ion: 75 Resp: 5319  
Ion Ratio Lower Upper  
75 100  
77 32.3 26.1 39.1  
110 0.9 33.0 49.6#

