

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW011121\  
 Data File : VW019971.D  
 Acq On : 11 Jan 2021 17:05  
 Operator : SY/MD  
 Sample : M1064-03DL 250X  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BG4X4DL

Quant Time: Jan 12 06:42:11 2021  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM011121WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Mon Jan 11 13:51:52 2021  
 Response via : Initial Calibration

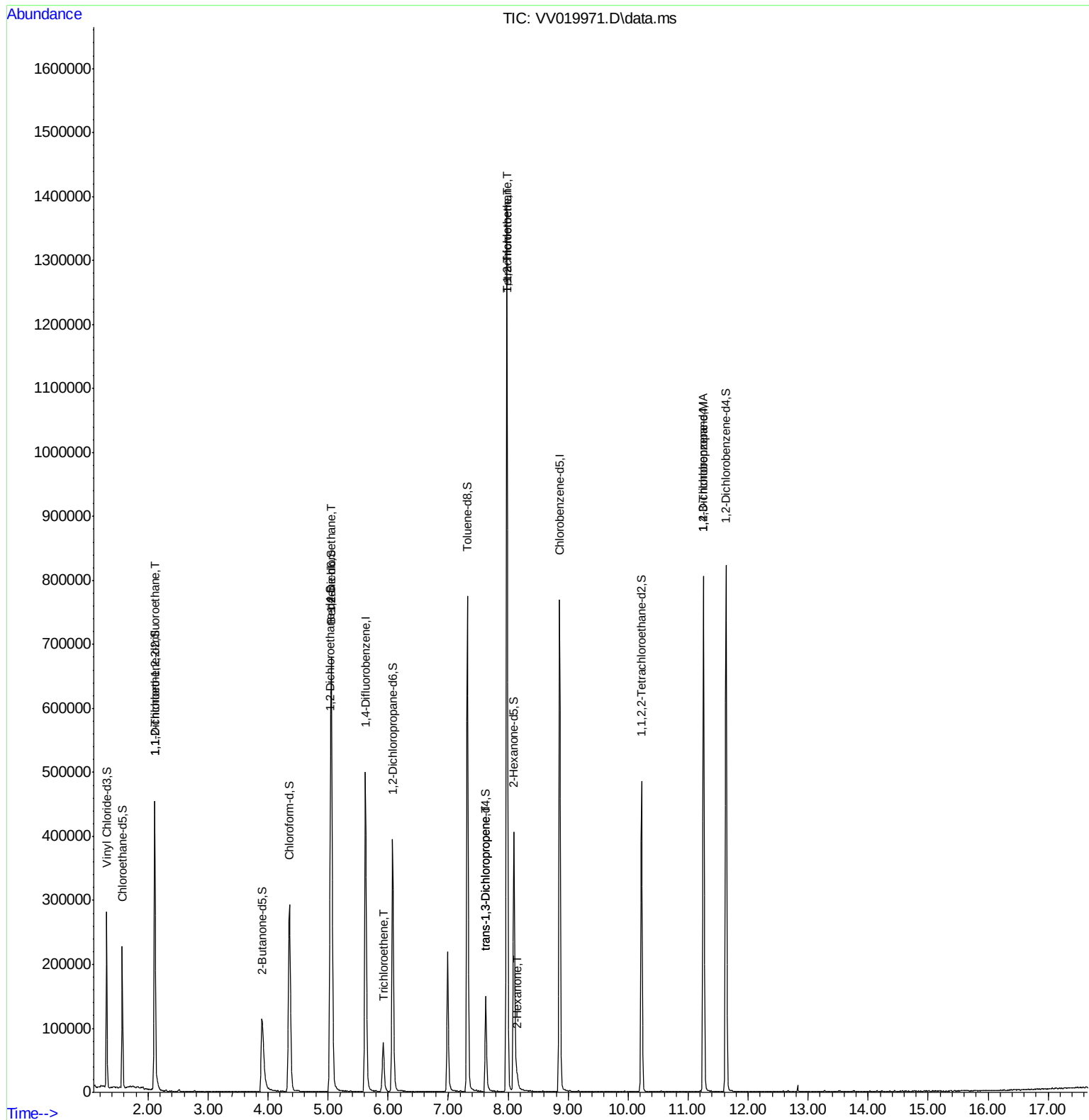
| Compound                      | R.T.           | QIon | Response   | Conc    | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|---------|--------|----------|
| -----                         |                |      |            |         |        |          |
| Internal Standards            |                |      |            |         |        |          |
| 1) 1,4-Difluorobenzene        | 5.621          | 114  | 401301     | 50.00   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.858          | 117  | 382116     | 50.00   | ug/L   | 0.00     |
| 60) 1,4-Dichlorobenzene-d4    | 11.257         | 152  | 190559     | 50.00   | ug/L   | 0.00     |
|                               |                |      |            |         |        |          |
| System Monitoring Compounds   |                |      |            |         |        |          |
| 4) Vinyl Chloride-d3          | 1.309          | 65   | 161463     | 47.70   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 135 |      | Recovery = | 95.40%  |        |          |
| 7) Chloroethane-d5            | 1.569          | 69   | 134247     | 49.69   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 130 |      | Recovery = | 99.38%  |        |          |
| 11) 1,1-Dichloroethene-d2     | 2.110          | 63   | 240833     | 36.12   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 72.24%  |        |          |
| 21) 2-Butanone-d5             | 3.897          | 46   | 216931     | 98.79   | ug/L   | 0.00     |
| Spiked Amount 100.000         | Range 40 - 130 |      | Recovery = | 98.79%  |        |          |
| 24) Chloroform-d              | 4.354          | 84   | 292340     | 47.95   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 95.90%  |        |          |
| 26) 1,2-Dichloroethane-d4     | 5.039          | 65   | 208510     | 50.30   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 100.60% |        |          |
| 32) Benzene-d6                | 5.055          | 84   | 538514     | 49.93   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 99.86%  |        |          |
| 36) 1,2-Dichloropropane-d6    | 6.074          | 67   | 171070     | 50.81   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 120 |      | Recovery = | 101.62% |        |          |
| 41) Toluene-d8                | 7.322          | 98   | 477631     | 48.87   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 97.74%  |        |          |
| 43) trans-1,3-Dichloroprop... | 7.627          | 79   | 79354      | 45.41   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 90.82%  |        |          |
| 47) 2-Hexanone-d5             | 8.093          | 63   | 126883     | 93.99   | ug/L   | 0.00     |
| Spiked Amount 100.000         | Range 45 - 130 |      | Recovery = | 93.99%  |        |          |
| 57) 1,1,2,2-Tetrachloroeth... | 10.222         | 84   | 213215     | 46.84   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 65 - 120 |      | Recovery = | 93.68%  |        |          |
| 64) 1,2-Dichlorobenzene-d4    | 11.633         | 152  | 189963     | 51.61   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 103.22% |        |          |
|                               |                |      |            |         |        |          |
| Target Compounds              |                |      |            |         |        |          |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.110          | 101  | 2305       | 0.79    | ug/L # | 32       |
| 27) 1,2-Dichloroethane        | 5.052          | 62   | 3928       | 0.82    | ug/L   | 99       |
| 34) Trichloroethene           | 5.923          | 95   | 19194      | 6.04    | ug/L   | 95       |
| 44) trans-1,3-Dichloropropene | 7.627          | 75   | 4350       | 0.95    | ug/L   | 86       |
| 45) 1,1,2-Trichloroethane     | 7.977          | 97   | 2929       | 1.04    | ug/L # | 11       |
| 46) Tetrachloroethene         | 7.981          | 164  | 273167     | 119.69  | ug/L   | 97       |
| 48) 2-Hexanone                | 8.151          | 43   | 11975      | 3.44    | ug/L # | 81       |
| 59) 1,2,3-Trichloropropane    | 11.254         | 75   | 26244      | 6.71    | ug/L   | 96       |
| -----                         |                |      |            |         |        |          |

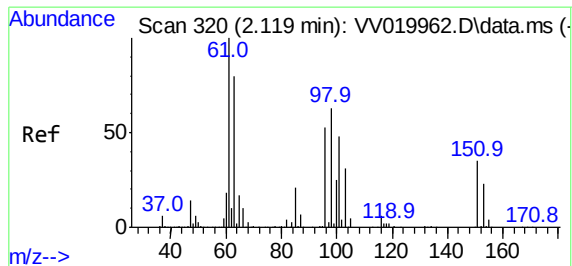
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV011121\  
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Sample : M1064-03DL 250X  
Misc : 5.0mL/MSVOA\_V/WATER  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
BG4X4DL

Quant Time: Jan 12 06:42:11 2021  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM011121WMA.M  
Quant Title : VOC Analysis  
QLast Update : Mon Jan 11 13:51:52 2021  
Response via : Initial Calibration

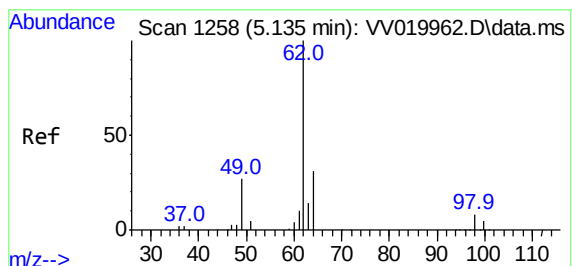
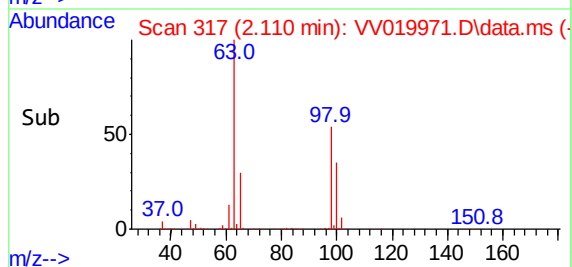
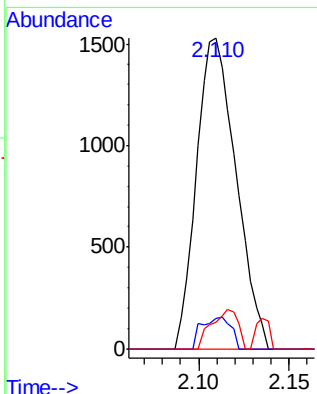
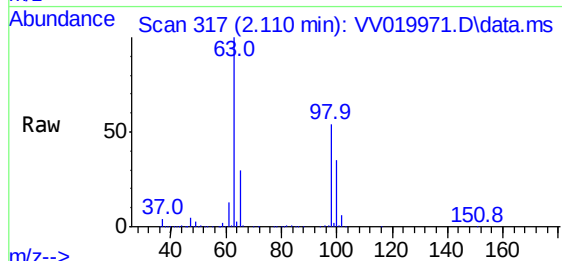




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 0.79 ug/L  
 RT: 2.110 min Scan# 317  
 Delta R.T. -0.010 min  
 Lab File: VV019971.D  
 Acq: 11 Jan 2021 17:05

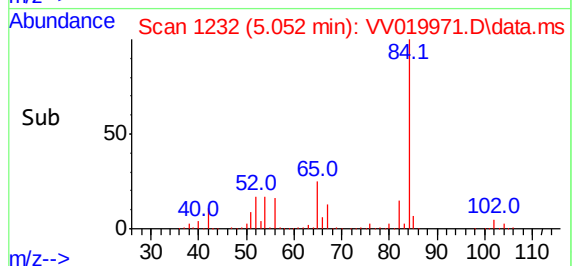
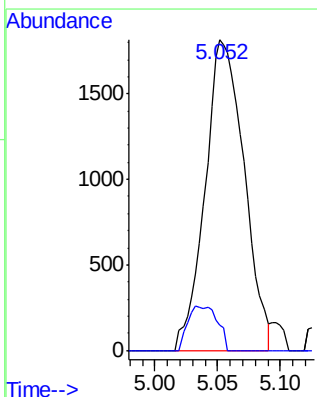
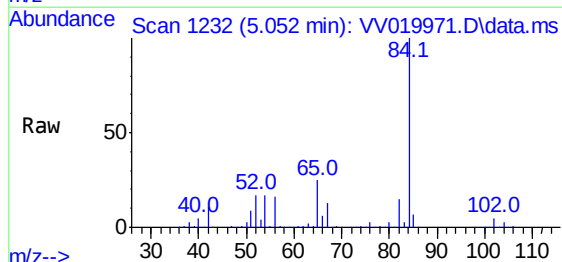
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BG4X4DL

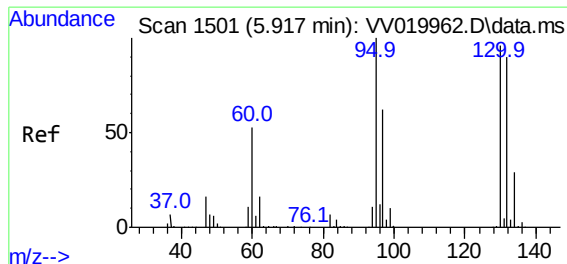
Tgt Ion:101 Resp: 2305  
 Ion Ratio Lower Upper  
 101 100  
 85 5.5 35.3 52.9#  
 151 8.5 53.6 80.4#



#27  
 1,2-Dichloroethane  
 Concen: 0.82 ug/L  
 RT: 5.052 min Scan# 1232  
 Delta R.T. -0.083 min  
 Lab File: VV019971.D  
 Acq: 11 Jan 2021 17:05

Tgt Ion: 62 Resp: 3928  
 Ion Ratio Lower Upper  
 62 100  
 98 8.2 6.9 10.3



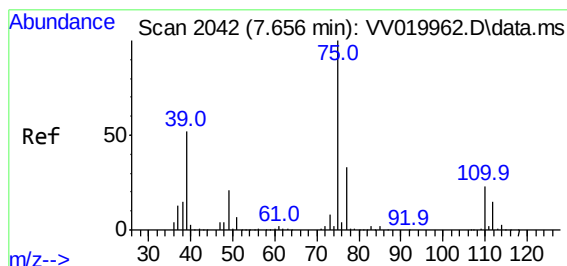
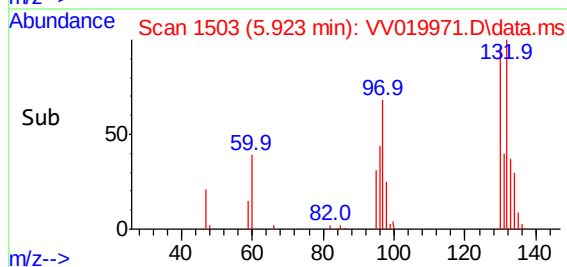
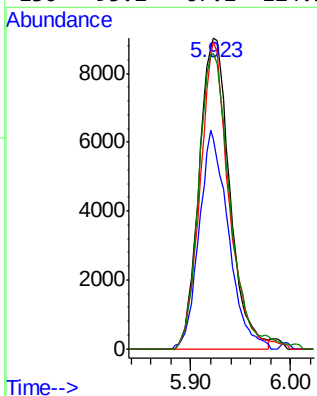
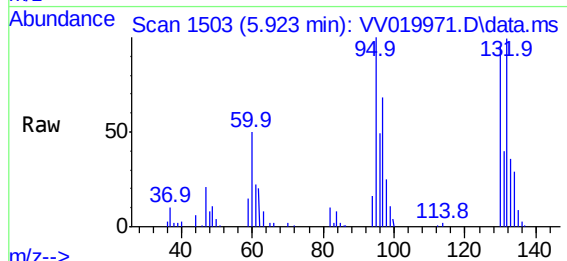


#34  
Trichloroethene  
Concen: 6.04 ug/L  
RT: 5.923 min Scan# 1503  
Delta R.T. 0.006 min  
Lab File: VV019971.D  
Acq: 11 Jan 2021 17:05

Instrument :  
MSVOA\_V  
ClientSampleId :  
BG4X4DL

Tgt Ion: 95 Resp: 19194

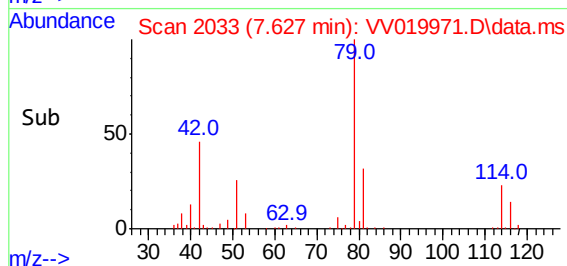
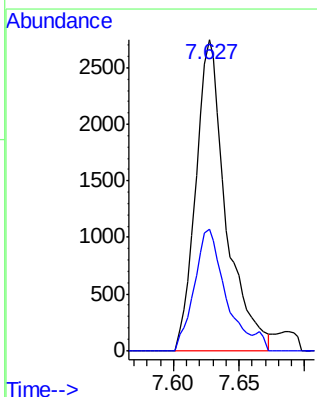
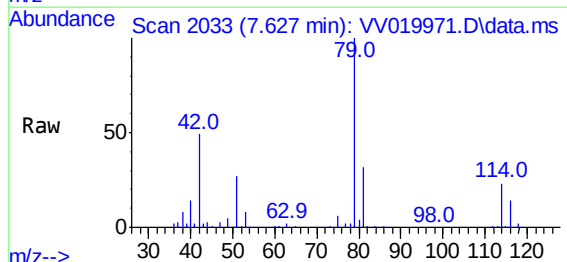
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 97  | 67.6  | 44.5  | 82.7  |
| 132 | 98.9  | 63.4  | 117.8 |
| 130 | 95.2  | 67.1  | 124.5 |

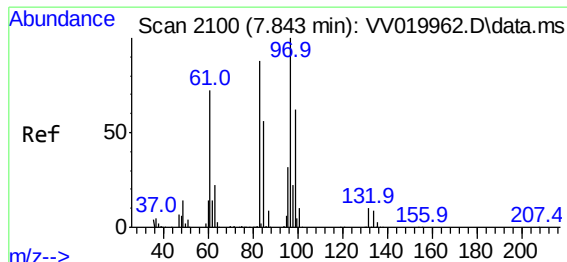


#44  
trans-1,3-Dichloropropene  
Concen: 0.95 ug/L  
RT: 7.627 min Scan# 2033  
Delta R.T. -0.029 min  
Lab File: VV019971.D  
Acq: 11 Jan 2021 17:05

Tgt Ion: 75 Resp: 4350

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 75  | 100   |       |       |
| 77  | 39.1  | 22.0  | 41.0  |



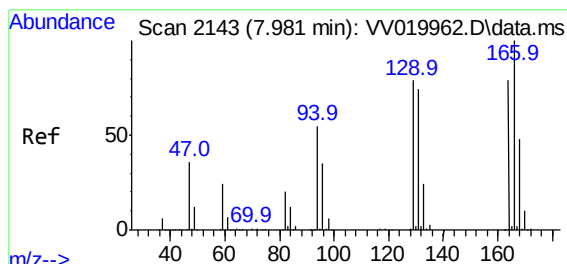
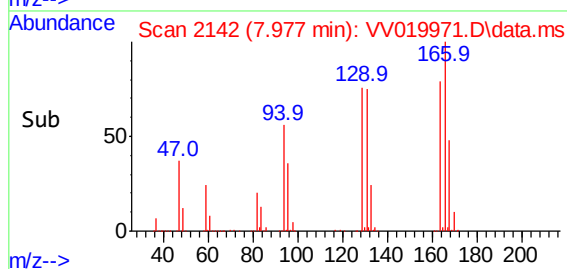
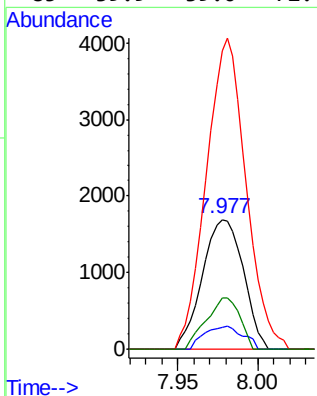
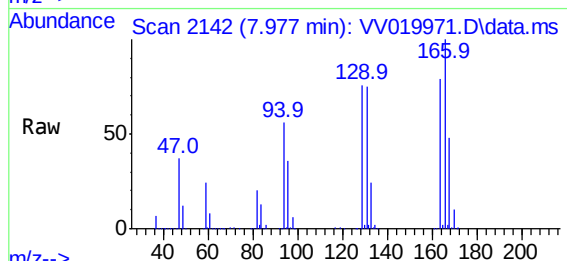


#45  
1,1,2-Trichloroethane  
Concen: 1.04 ug/L  
RT: 7.977 min Scan# 2142  
Delta R.T. 0.134 min  
Lab File: VV019971.D  
Acq: 11 Jan 2021 17:05

Instrument :  
MSVOA\_V  
ClientSampleId :  
BG4X4DL

Tgt Ion: 97 Resp: 2929

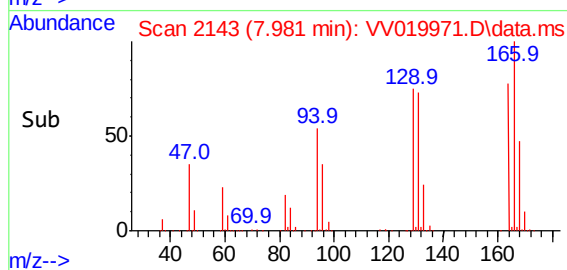
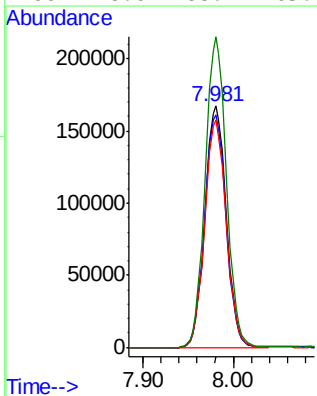
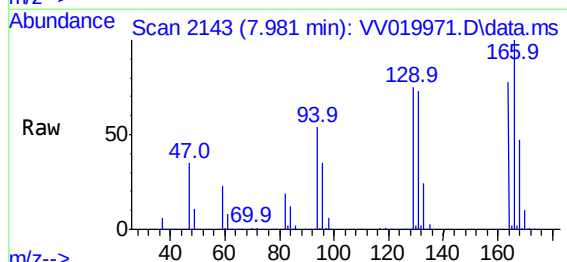
| Ion | Ratio | Lower | Upper  |
|-----|-------|-------|--------|
| 97  | 100   |       |        |
| 99  | 16.4  | 43.8  | 81.3#  |
| 83  | 231.1 | 62.2  | 115.4# |
| 85  | 39.9  | 39.0  | 72.4   |

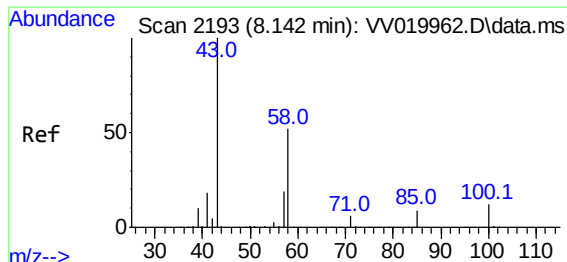


#46  
Tetrachloroethene  
Concen: 119.69 ug/L  
RT: 7.981 min Scan# 2143  
Delta R.T. -0.000 min  
Lab File: VV019971.D  
Acq: 11 Jan 2021 17:05

Tgt Ion: 164 Resp: 273167

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 129 | 96.4  | 70.6  | 131.0 |
| 131 | 94.0  | 66.8  | 124.0 |
| 166 | 128.6 | 88.2  | 163.8 |



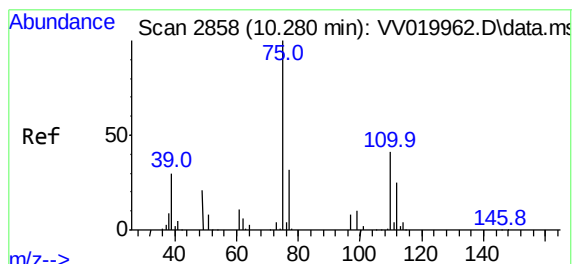
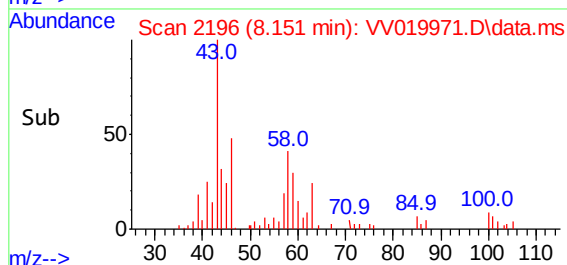
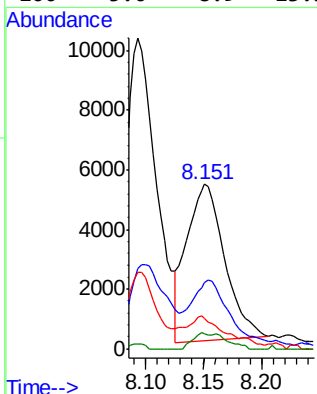
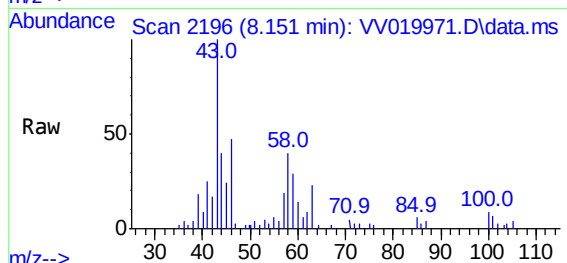


#48  
2-Hexanone  
Concen: 3.44 ug/L  
RT: 8.151 min Scan# 2196  
Delta R.T. 0.009 min  
Lab File: VV019971.D  
Acq: 11 Jan 2021 17:05

Instrument :  
MSVOA\_V  
ClientSampled :  
BG4X4DL

Tgt Ion: 43 Resp: 11975

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 58  | 37.8  | 41.8  | 62.6# |
| 57  | 10.3  | 15.0  | 22.4# |
| 100 | 5.0   | 8.9   | 13.3# |



#59  
1,2,3-Trichloropropane  
Concen: 6.71 ug/L  
RT: 11.254 min Scan# 3161  
Delta R.T. 0.974 min  
Lab File: VV019971.D  
Acq: 11 Jan 2021 17:05

Tgt Ion: 75 Resp: 26244

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 75  | 100   |       |       |
| 77  | 33.8  | 25.4  | 38.0  |

