

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX121121\  
 Data File : VX025738.D  
 Acq On : 11 Dec 2021 13:14  
 Operator : JC/MD  
 Sample : M4997-01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 EW5Q1

Quant Time: Dec 12 06:34:45 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\SFAMXML112221WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Dec 11 00:48:07 2021  
 Response via : Initial Calibration

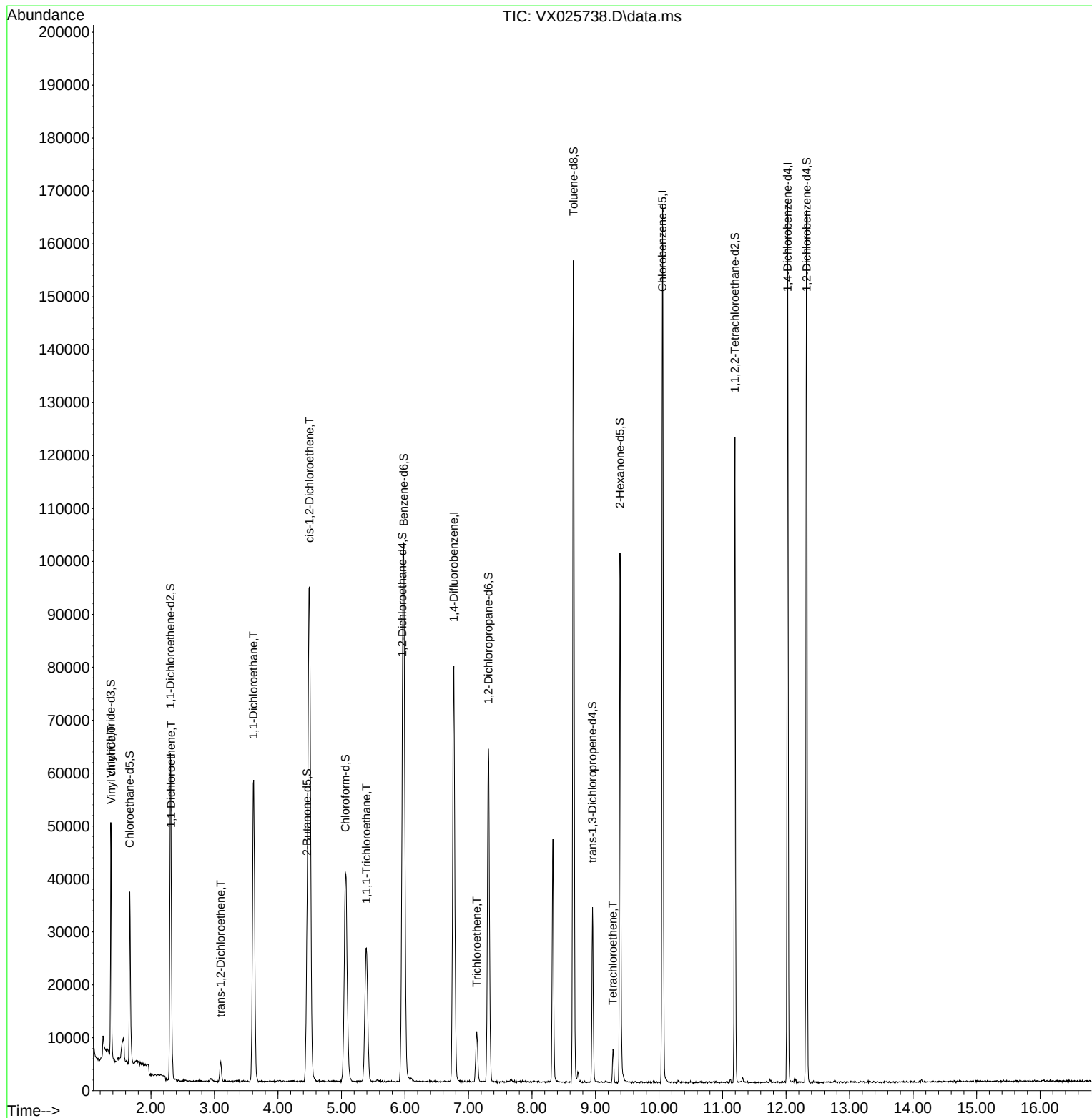
| Compound                      | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|----------|--------|----------|
| -----                         |                |      |            |          |        |          |
| Internal Standards            |                |      |            |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.769          | 114  | 80836      | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 10.055         | 117  | 75544      | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 12.024         | 152  | 33351      | 50.000   | ug/L   | 0.00     |
|                               |                |      |            |          |        |          |
| System Monitoring Compounds   |                |      |            |          |        |          |
| 4) Vinyl Chloride-d3          | 1.367          | 65   | 23562      | 42.710   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 135 |      | Recovery = | 85.420%  |        |          |
| 7) Chloroethane-d5            | 1.666          | 69   | 21215      | 46.594   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 130 |      | Recovery = | 93.180%  |        |          |
| 11) 1,1-Dichloroethene-d2     | 2.306          | 63   | 35106      | 39.911   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 79.820%  |        |          |
| 21) 2-Butanone-d5             | 4.458          | 46   | 41109      | 100.104  | ug/L   | 0.00     |
| Spiked Amount 100.000         | Range 40 - 130 |      | Recovery = | 100.100% |        |          |
| 24) Chloroform-d              | 5.062          | 84   | 49292      | 51.125   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 102.240% |        |          |
| 26) 1,2-Dichloroethane-d4     | 5.958          | 65   | 34407      | 57.252   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 114.500% |        |          |
| 32) Benzene-d6                | 5.982          | 84   | 99077      | 49.485   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 98.980%  |        |          |
| 36) 1,2-Dichloropropane-d6    | 7.311          | 67   | 30840      | 49.751   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 120 |      | Recovery = | 99.500%  |        |          |
| 41) Toluene-d8                | 8.652          | 98   | 91144      | 48.229   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 96.460%  |        |          |
| 43) trans-1,3-Dichloroprop... | 8.951          | 79   | 14490      | 46.493   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 92.980%  |        |          |
| 47) 2-Hexanone-d5             | 9.384          | 63   | 28190      | 87.363   | ug/L   | 0.00     |
| Spiked Amount 100.000         | Range 45 - 130 |      | Recovery = | 87.360%  |        |          |
| 56) 1,1,2,2-Tetrachloroeth... | 11.195         | 84   | 44260      | 50.521   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 65 - 120 |      | Recovery = | 101.040% |        |          |
| 66) 1,2-Dichlorobenzene-d4    | 12.323         | 152  | 32700      | 49.990   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 99.980%  |        |          |
|                               |                |      |            |          |        |          |
| Target Compounds              |                |      |            |          |        | Qvalue   |
| 5) Vinyl chloride             | 1.373          | 62   | 4858       | 8.499    | ug/L   | 88       |
| 12) 1,1-Dichloroethene        | 2.318          | 96   | 677        | 1.560    | ug/L # | 1        |
| 17) trans-1,2-Dichloroethene  | 3.099          | 96   | 1560       | 3.338    | ug/L   | 90       |
| 19) 1,1-Dichloroethane        | 3.611          | 63   | 63555      | 75.939   | ug/L   | 99       |
| 20) cis-1,2-Dichloroethene    | 4.495          | 96   | 56129      | 101.921  | ug/L   | 95       |
| 30) 1,1,1-Trichloroethane     | 5.391          | 97   | 25177      | 30.191   | ug/L   | 97       |
| 34) Trichloroethene           | 7.128          | 95   | 3274       | 6.168    | ug/L   | 90       |
| 46) Tetrachloroethene         | 9.274          | 164  | 1001       | 2.224    | ug/L   | 91       |
| -----                         |                |      |            |          |        |          |

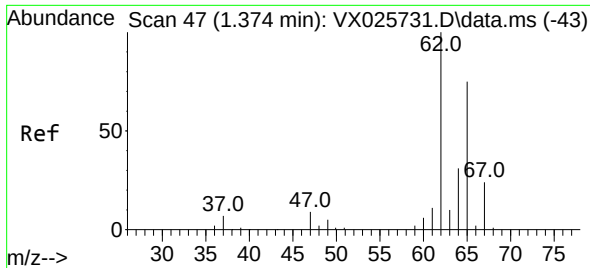
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : M4997-01  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
EW5Q1

Quant Time: Dec 12 06:34:45 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\SFAMXML112221WMA.M  
Quant Title : VOC Analysis  
QLast Update : Sat Dec 11 00:48:07 2021  
Response via : Initial Calibration

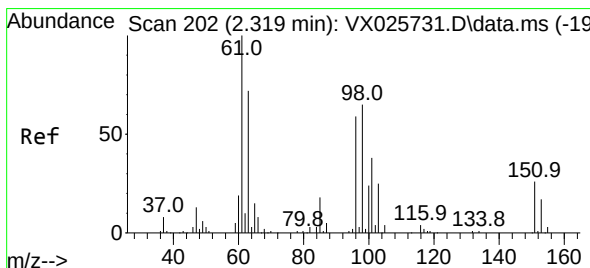
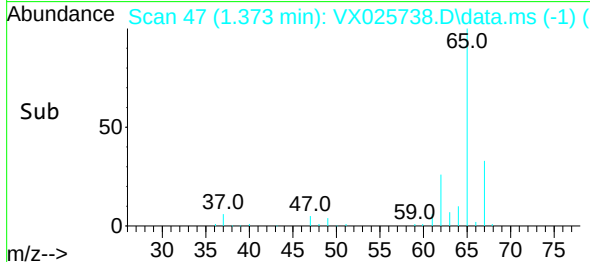
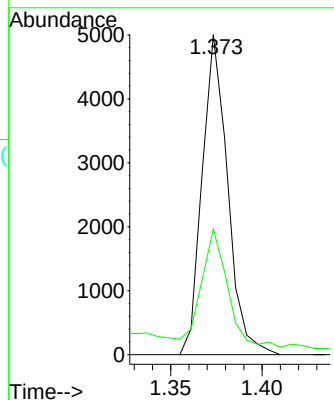
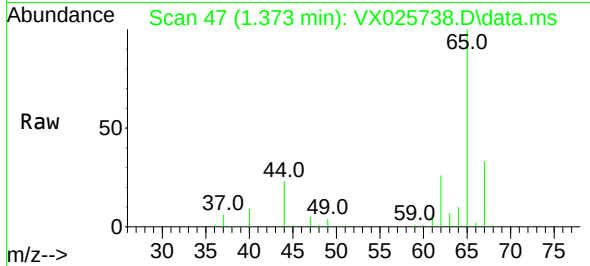




#5  
 Vinyl chloride  
 Concen: 8.499 ug/L  
 RT: 1.373 min Scan# 41  
 Delta R.T. -0.000 min  
 Lab File: VX025738.D  
 Acq: 11 Dec 2021 13:14

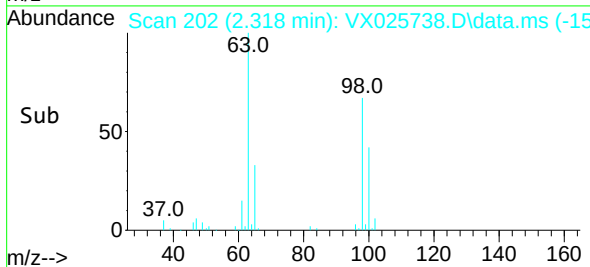
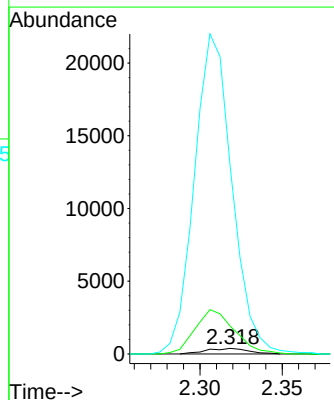
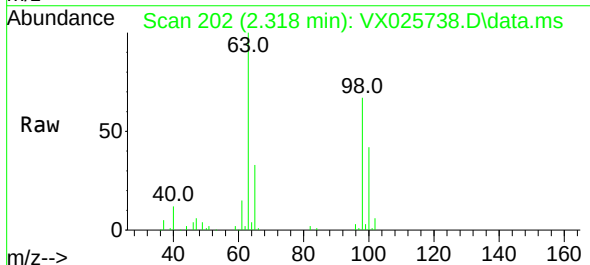
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 EW5Q1

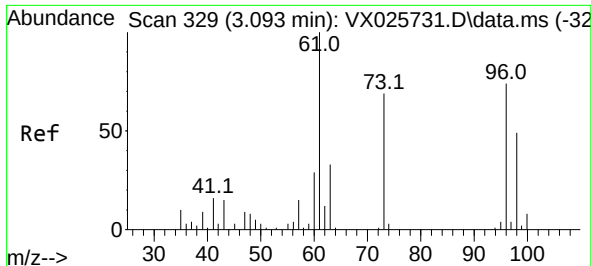
Tgt Ion: 62 Resp: 4858  
 Ion Ratio Lower Upper  
 62 100  
 64 39.3 22.9 42.5



#12  
 1,1-Dichloroethene  
 Concen: 1.560 ug/L  
 RT: 2.318 min Scan# 202  
 Delta R.T. -0.000 min  
 Lab File: VX025738.D  
 Acq: 11 Dec 2021 13:14

Tgt Ion: 96 Resp: 677  
 Ion Ratio Lower Upper  
 96 100  
 61 500.3 108.7 201.9#  
 63 3384.6 76.3 141.7#

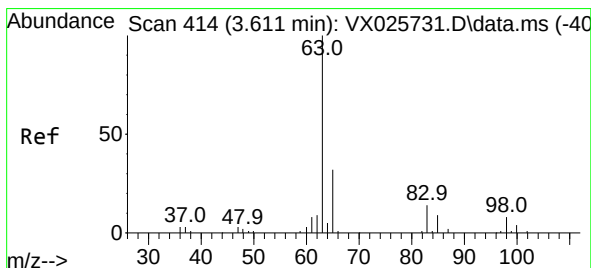
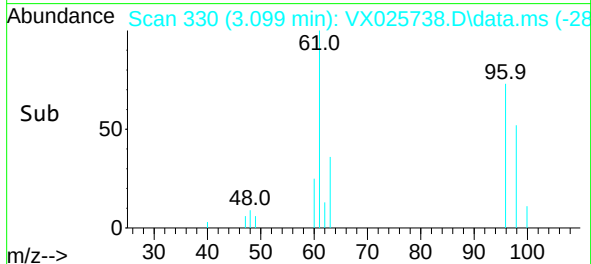
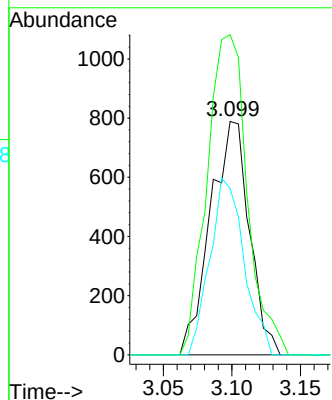
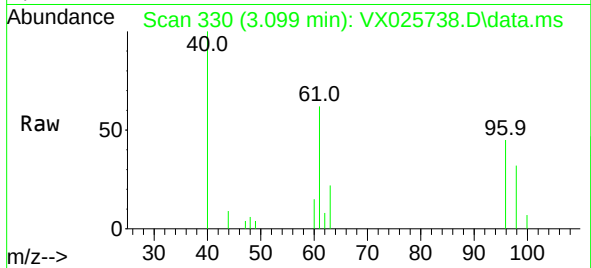




#17  
trans-1,2-Dichloroethene  
Concen: 3.338 ug/L  
RT: 3.099 min Scan# 31  
Delta R.T. 0.006 min  
Lab File: VX025738.D  
Acq: 11 Dec 2021 13:14

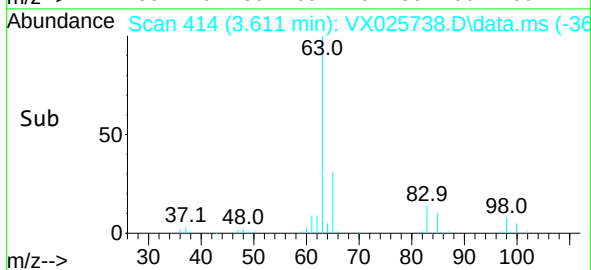
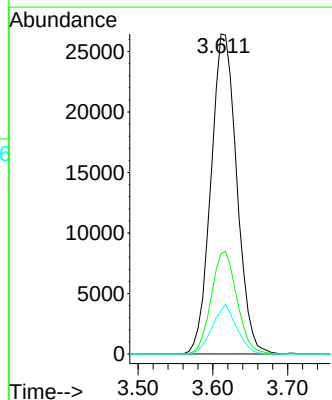
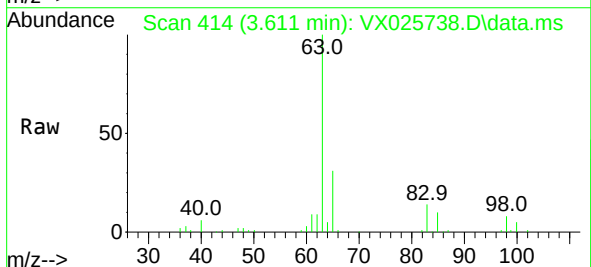
Instrument :  
MSVOA\_X  
ClientSampleId :  
EW5Q1

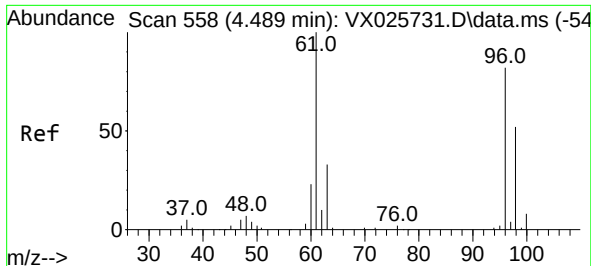
Tgt Ion: 96 Resp: 1560  
Ion Ratio Lower Upper  
96 100  
61 137.1 88.5 164.4  
98 71.2 44.3 82.3



#19  
1,1-Dichloroethane  
Concen: 75.939 ug/L  
RT: 3.611 min Scan# 414  
Delta R.T. -0.000 min  
Lab File: VX025738.D  
Acq: 11 Dec 2021 13:14

Tgt Ion: 63 Resp: 63555  
Ion Ratio Lower Upper  
63 100  
65 31.4 22.2 41.2  
83 13.5 10.2 19.0

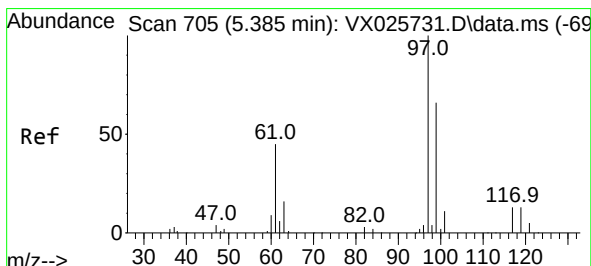
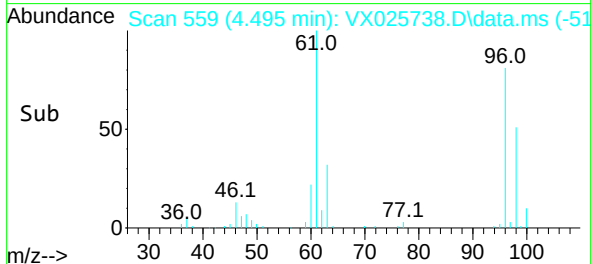
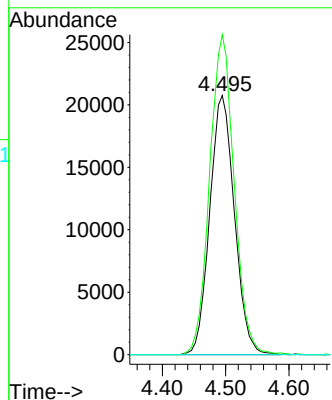
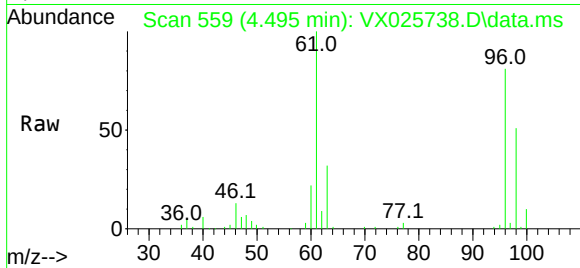




#20  
 cis-1,2-Dichloroethene  
 Concen: 101.921 ug/L  
 RT: 4.495 min Scan# 51  
 Delta R.T. -0.000 min  
 Lab File: VX025738.D  
 Acq: 11 Dec 2021 13:14

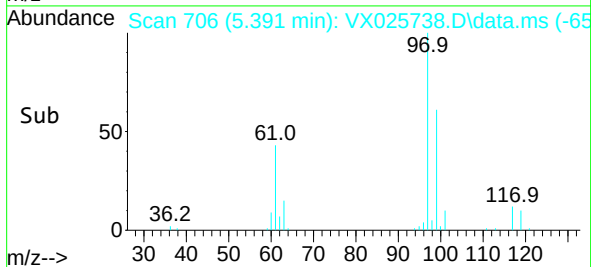
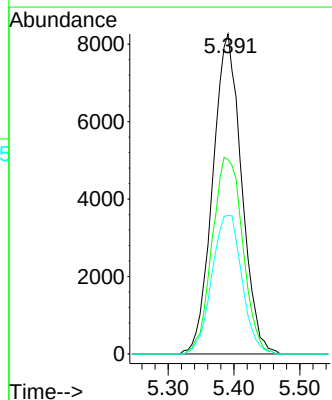
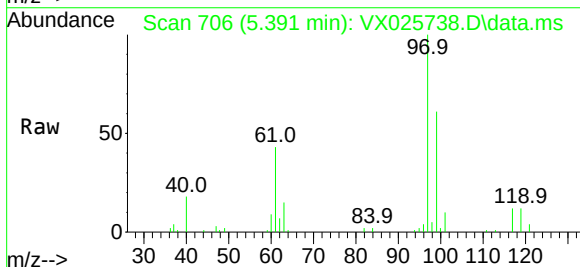
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 EW5Q1

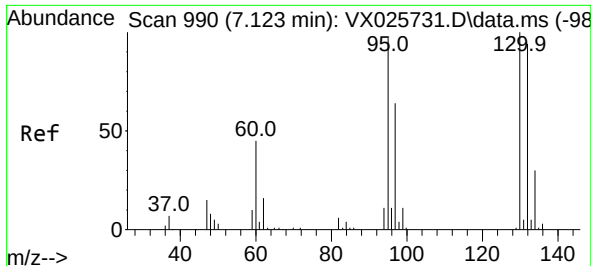
Tgt Ion: 96 Resp: 56129  
 Ion Ratio Lower Upper  
 96 100  
 61 123.5 82.3 152.8  
 68 0.0 0.0 0.0



#30  
 1,1,1-Trichloroethane  
 Concen: 30.191 ug/L  
 RT: 5.391 min Scan# 706  
 Delta R.T. 0.006 min  
 Lab File: VX025738.D  
 Acq: 11 Dec 2021 13:14

Tgt Ion: 97 Resp: 25177  
 Ion Ratio Lower Upper  
 97 100  
 99 65.2 51.5 77.3  
 61 45.2 33.1 49.7



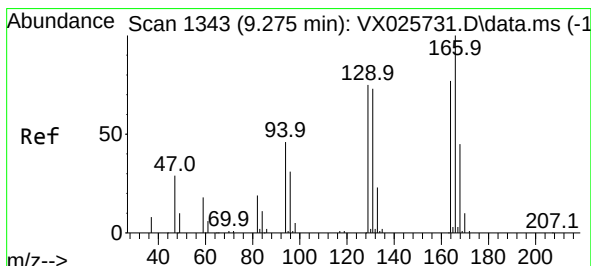
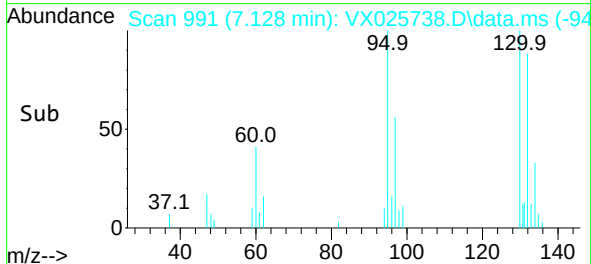
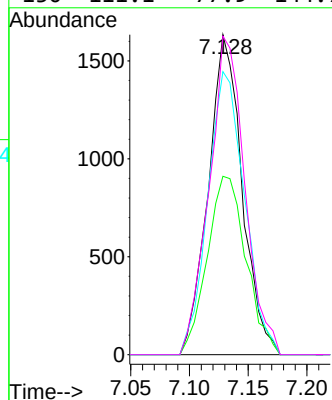
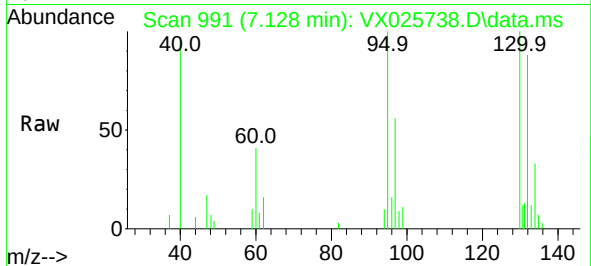


#34  
Trichloroethene  
Concen: 6.168 ug/L  
RT: 7.128 min Scan# 991  
Delta R.T. -0.000 min  
Lab File: VX025738.D  
Acq: 11 Dec 2021 13:14

Instrument :  
MSVOA\_X  
ClientSampleId :  
EW5Q1

Tgt Ion: 95 Resp: 3274

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 97  | 55.8  | 46.0  | 85.4  |
| 132 | 88.4  | 75.0  | 139.2 |
| 130 | 111.1 | 77.9  | 144.7 |



#46  
Tetrachloroethene  
Concen: 2.224 ug/L  
RT: 9.274 min Scan# 1343  
Delta R.T. -0.000 min  
Lab File: VX025738.D  
Acq: 11 Dec 2021 13:14

Tgt Ion: 164 Resp: 1001

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 129 | 99.2  | 64.7  | 120.1 |
| 131 | 103.2 | 63.2  | 117.4 |
| 166 | 121.4 | 90.1  | 167.3 |

