

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\DATA\VV092624\  
 Data File : VV037576.D  
 Acq On : 27 Sep 2024 02:15  
 Operator : SY/MD  
 Sample : P4184-22  
 Misc : 5mL/MSVOA\_V/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 EY048

Quant Time: Sep 27 03:41:15 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM092624WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Sep 27 02:22:28 2024  
 Response via : Initial Calibration

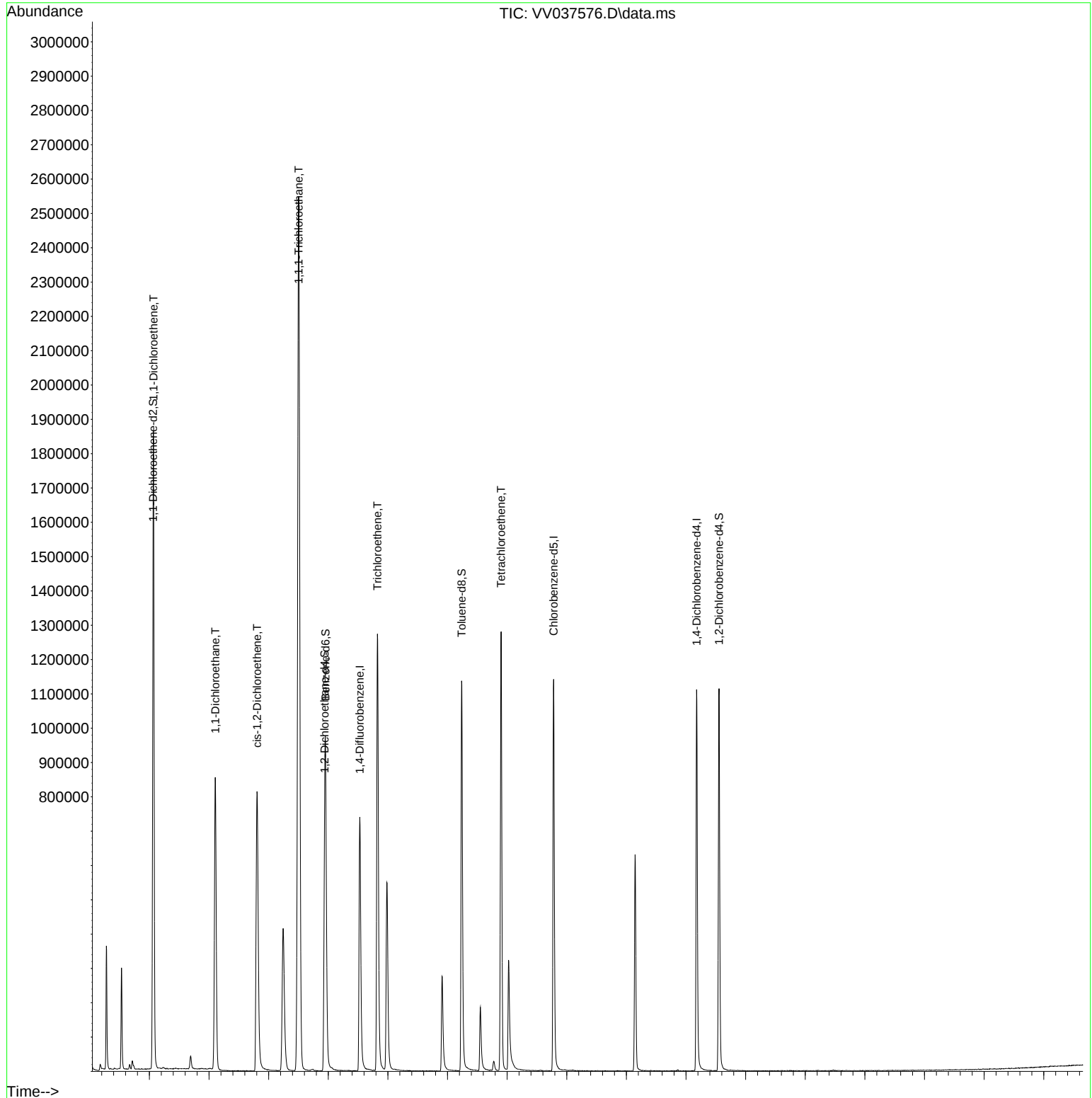
| Compound                      | R.T.           | QIon | Response   | Conc    | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|---------|--------|----------|
| -----                         |                |      |            |         |        |          |
| Internal Standards            |                |      |            |         |        |          |
| 1) 1,4-Difluorobenzene        | 5.529          | 114  | 654387     | 50.000  | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.779          | 117  | 626549     | 50.000  | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.178         | 152  | 294377     | 50.000  | ug/L   | 0.00     |
|                               |                |      |            |         |        |          |
| System Monitoring Compounds   |                |      |            |         |        |          |
| 4) Vinyl Chloride-d3          | 1.278          | 65   | 239566     | 41.704  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 135 |      | Recovery = | 83.400% |        |          |
| 7) Chloroethane-d5            | 1.532          | 69   | 191091     | 42.856  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 130 |      | Recovery = | 85.720% |        |          |
| 11) 1,1-Dichloroethene-d2     | 2.059          | 65   | 103395     | 43.082  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 86.160% |        |          |
| 21) 2-Butanone-d5             | 3.793          | 46   | 181045     | 88.484  | ug/L   | 0.00     |
| Spiked Amount 100.000         | Range 40 - 130 |      | Recovery = | 88.480% |        |          |
| 24) Chloroform-d              | 4.243          | 84   | 440846     | 43.135  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 86.280% |        |          |
| 26) 1,2-Dichloroethane-d4     | 4.937          | 65   | 262323     | 43.851  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 87.700% |        |          |
| 32) Benzene-d6                | 4.953          | 84   | 872601     | 44.507  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 89.020% |        |          |
| 36) 1,2-Dichloropropane-d6    | 5.982          | 67   | 278075     | 44.541  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 120 |      | Recovery = | 89.080% |        |          |
| 41) Toluene-d8                | 7.236          | 98   | 769241     | 43.269  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 86.540% |        |          |
| 43) trans-1,3-Dichloroprop... | 7.551          | 79   | 116045     | 40.013  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 80.020% |        |          |
| 47) 2-Hexanone-d5             | 8.024          | 63   | 111200     | 84.352  | ug/L   | 0.00     |
| Spiked Amount 100.000         | Range 45 - 130 |      | Recovery = | 84.350% |        |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.146         | 84   | 313325     | 43.193  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 65 - 120 |      | Recovery = | 86.380% |        |          |
| 66) 1,2-Dichlorobenzene-d4    | 11.554         | 152  | 291090     | 46.926  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 93.860% |        |          |
|                               |                |      |            |         |        |          |
| Target Compounds              |                |      |            |         |        | Qvalue   |
| 9) Trichlorofluoromethane     | 1.712          | 101  | 13441      | 1.722   | ug/L   | 100      |
| 12) 1,1-Dichloroethene        | 2.069          | 96   | 450047     | 103.303 | ug/L # | 70       |
| 17) trans-1,2-Dichloroethene  | 2.693          | 96   | 13108      | 2.844   | ug/L   | 96       |
| 19) 1,1-Dichloroethane        | 3.104          | 63   | 846837     | 95.900  | ug/L   | 100      |
| 20) cis-1,2-Dichloroethene    | 3.805          | 96   | 424765     | 82.358  | ug/L   | 98       |
| 25) Chloroform                | 4.272          | 83   | 36720      | 4.016   | ug/L   | 99       |
| 30) 1,1,1-Trichloroethane     | 4.503          | 97   | 2130642    | 276.106 | ug/L   | 100      |
| 34) Trichloroethene           | 5.825          | 95   | 453761     | 90.171  | ug/L   | 99       |
| 45) 1,1,2-Trichloroethane     | 7.780          | 97   | 10515      | 2.244   | ug/L   | 92       |
| 46) Tetrachloroethene         | 7.898          | 164  | 275974     | 71.728  | ug/L   | 100      |
| -----                         |                |      |            |         |        |          |

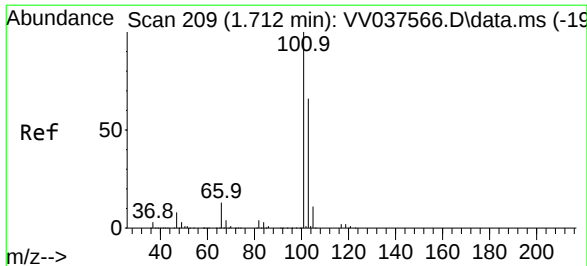
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : P4184-22  
Misc : 5mL/MSVOA\_V/WATER  
ALS Vial : 1 Sample Multiplier: 1

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ClientSampleId :  
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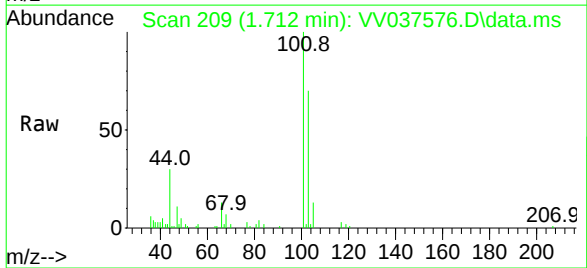
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM092624WMA.M  
Quant Title : VOC Analysis  
QLast Update : Fri Sep 27 02:22:28 2024  
Response via : Initial Calibration



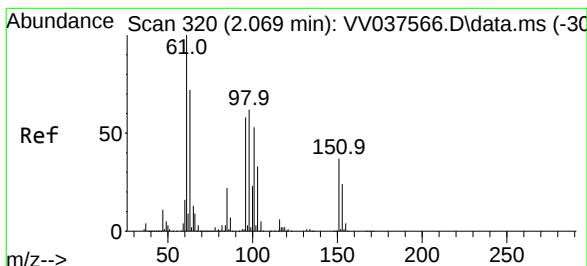
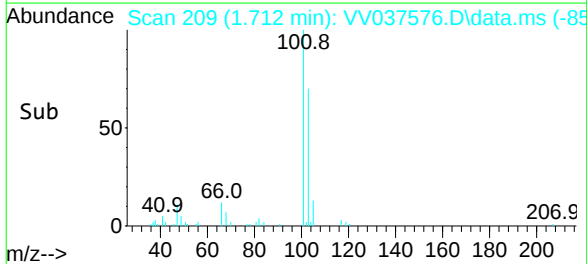
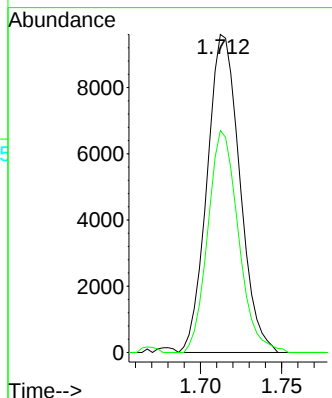


#9  
 Trichlorofluoromethane  
 Concen: 1.722 ug/L  
 RT: 1.712 min Scan# 209  
 Delta R.T. -0.000 min  
 Lab File: VV037576.D  
 Acq: 27 Sep 2024 02:15

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 EY048

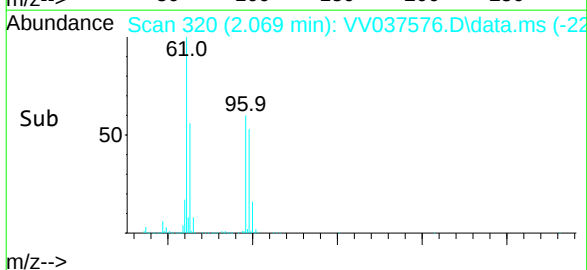
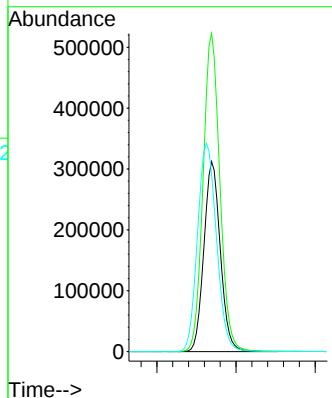
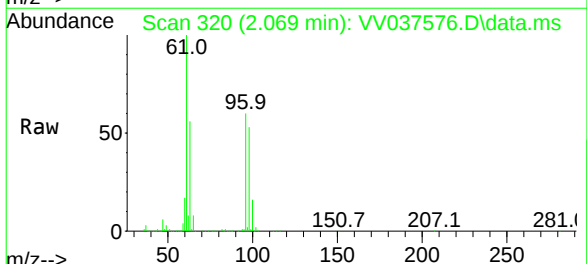


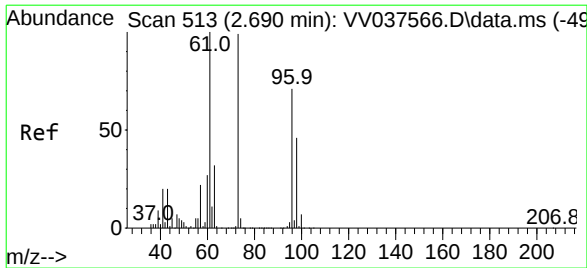
Tgt Ion: 101 Resp: 13441  
 Ion Ratio Lower Upper  
 101 100  
 103 65.3 52.2 78.4



#12  
 1,1-Dichloroethene  
 Concen: 103.303 ug/L  
 RT: 2.069 min Scan# 320  
 Delta R.T. -0.000 min  
 Lab File: VV037576.D  
 Acq: 27 Sep 2024 02:15

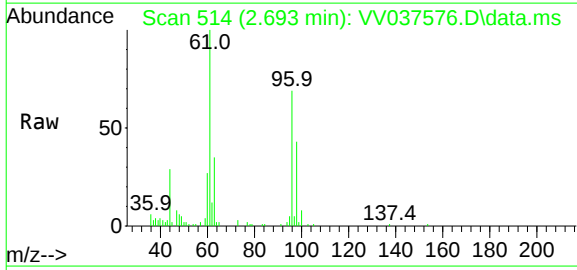
Tgt Ion: 96 Resp: 450047  
 Ion Ratio Lower Upper  
 96 100  
 61 167.4 122.6 227.6  
 63 93.3 118.0 219.2#



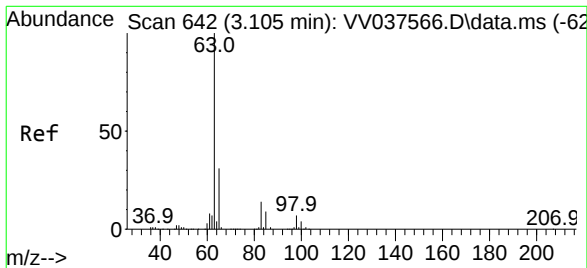
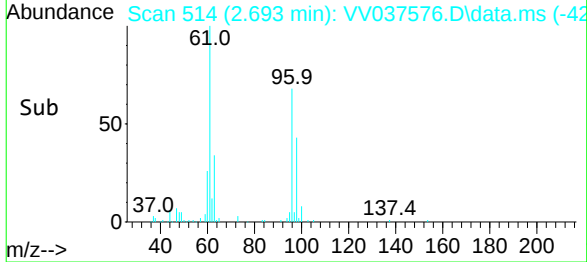
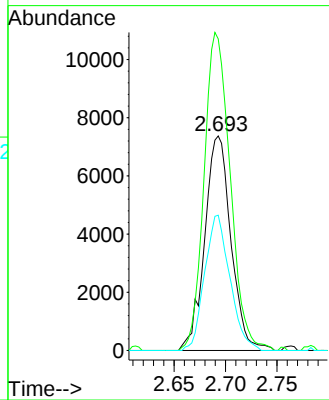


#17  
trans-1,2-Dichloroethene  
Concen: 2.844 ug/L  
RT: 2.693 min Scan# 51  
Delta R.T. 0.003 min  
Lab File: VV037576.D  
Acq: 27 Sep 2024 02:15

Instrument :  
MSVOA\_V  
ClientSampleId :  
EY048

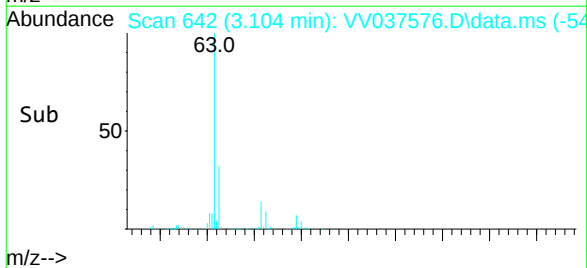
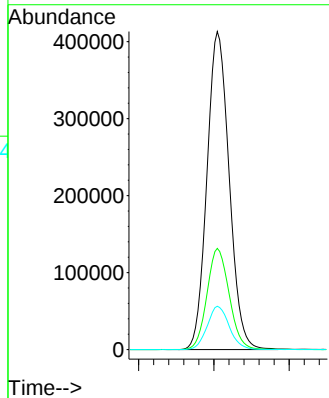
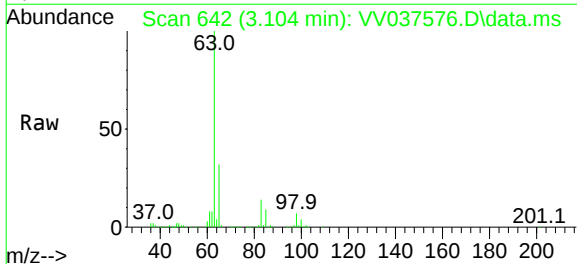


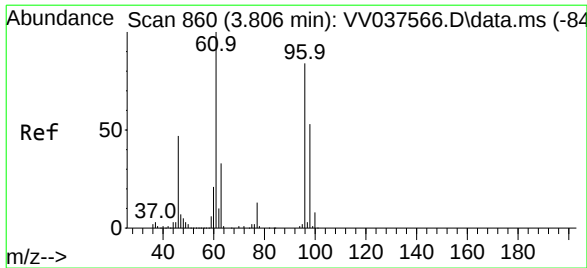
Tgt Ion: 96 Resp: 13108  
Ion Ratio Lower Upper  
96 100  
61 145.2 97.3 180.7  
98 63.1 43.9 81.5



#19  
1,1-Dichloroethane  
Concen: 95.900 ug/L  
RT: 3.104 min Scan# 642  
Delta R.T. -0.000 min  
Lab File: VV037576.D  
Acq: 27 Sep 2024 02:15

Tgt Ion: 63 Resp: 846837  
Ion Ratio Lower Upper  
63 100  
65 31.8 22.4 41.6  
83 13.6 9.5 17.7

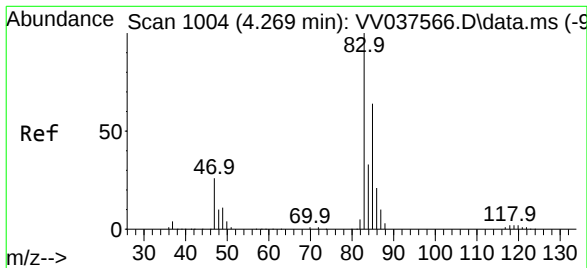
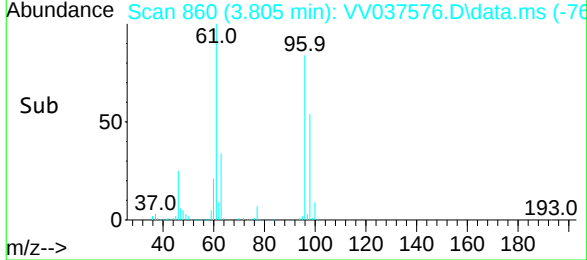
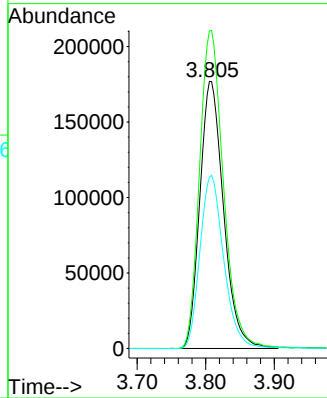
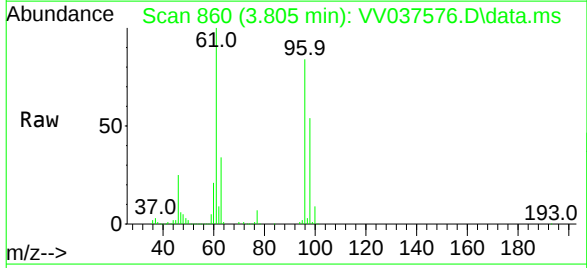




#20  
cis-1,2-Dichloroethene  
Concen: 82.358 ug/L  
RT: 3.805 min Scan# 860  
Delta R.T. -0.000 min  
Lab File: VV037576.D  
Acq: 27 Sep 2024 02:15

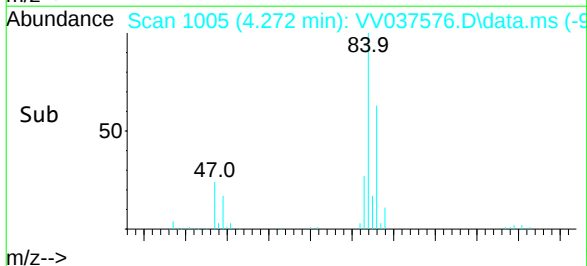
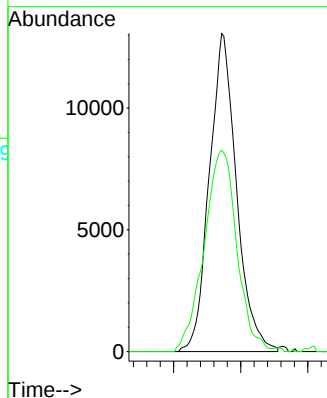
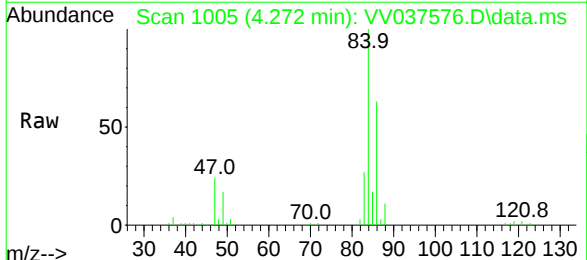
Instrument :  
MSVOA\_V  
ClientSampleId :  
EY048

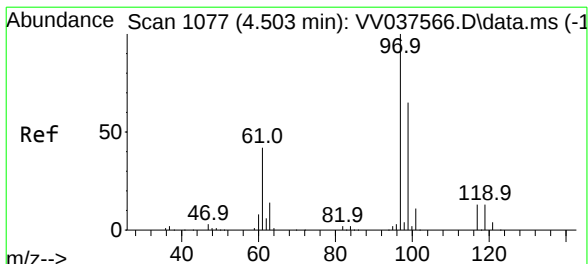
Tgt Ion: 96 Resp: 424765  
Ion Ratio Lower Upper  
96 100  
61 118.8 85.0 157.8  
98 64.2 44.2 82.0



#25  
Chloroform  
Concen: 4.016 ug/L  
RT: 4.272 min Scan# 1005  
Delta R.T. 0.003 min  
Lab File: VV037576.D  
Acq: 27 Sep 2024 02:15

Tgt Ion: 83 Resp: 36720  
Ion Ratio Lower Upper  
83 100  
85 63.3 45.1 83.7



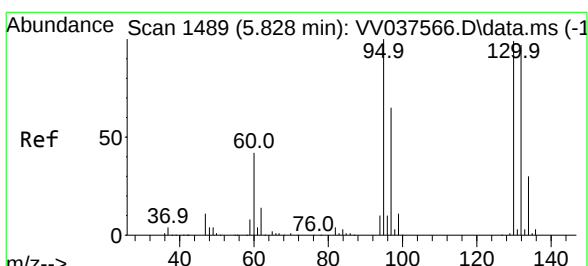
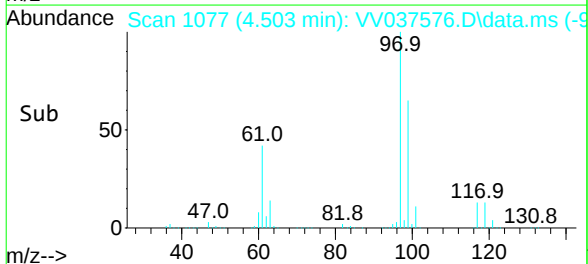
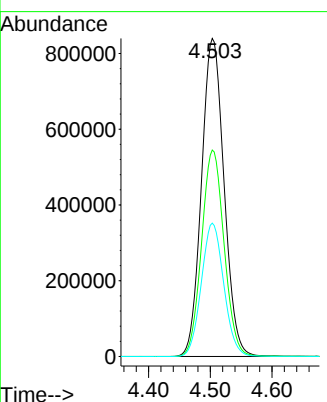
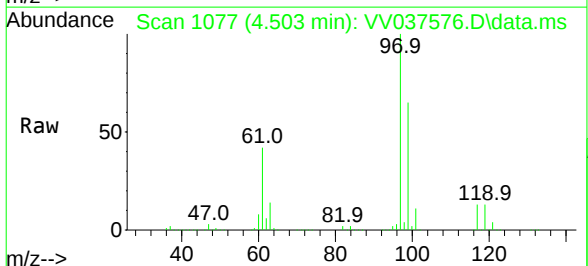


#30  
 1,1,1-Trichloroethane  
 Concen: 276.106 ug/L  
 RT: 4.503 min Scan# 1077  
 Delta R.T. -0.000 min  
 Lab File: VV037576.D  
 Acq: 27 Sep 2024 02:15

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
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Tgt Ion: 97 Resp: 2130642

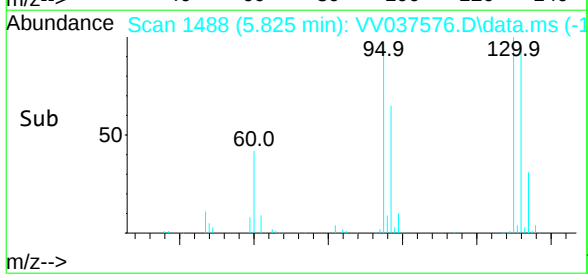
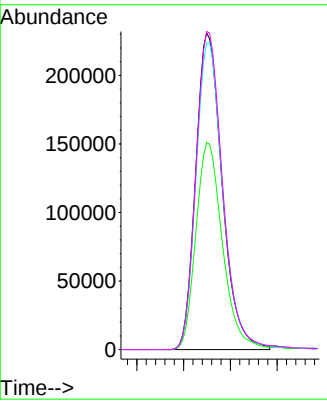
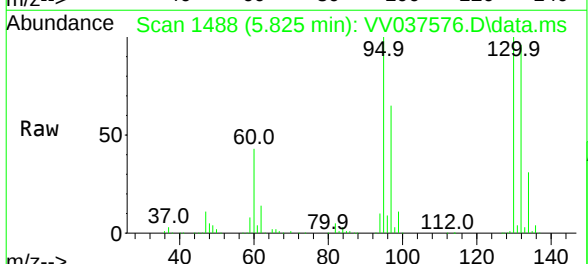
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 99  | 64.7  | 51.8  | 77.6  |
| 61  | 41.7  | 33.6  | 50.4  |

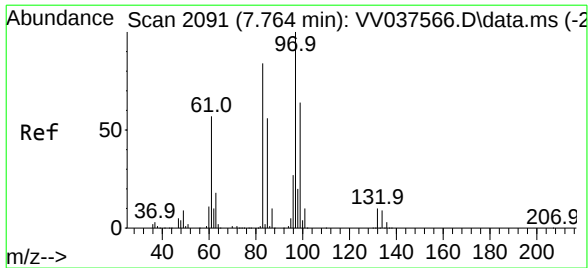


#34  
 Trichloroethene  
 Concen: 90.171 ug/L  
 RT: 5.825 min Scan# 1488  
 Delta R.T. -0.003 min  
 Lab File: VV037576.D  
 Acq: 27 Sep 2024 02:15

Tgt Ion: 95 Resp: 453761

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 97  | 65.4  | 46.3  | 85.9  |
| 132 | 96.8  | 68.6  | 127.4 |
| 130 | 100.4 | 70.9  | 131.7 |

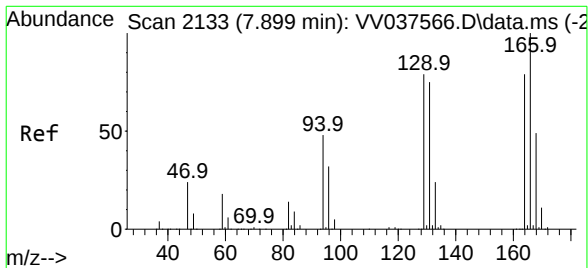
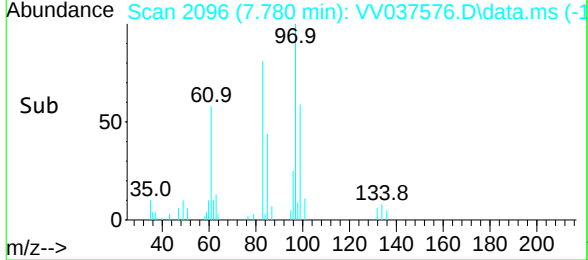
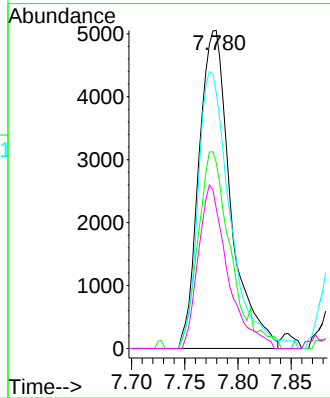
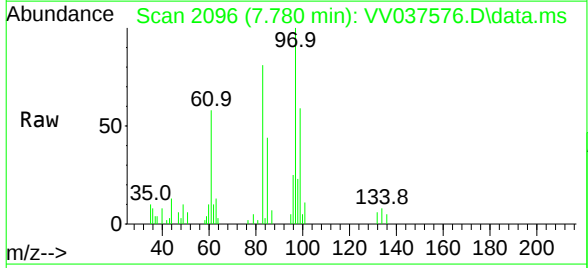




#45  
1,1,2-Trichloroethane  
Concen: 2.244 ug/L  
RT: 7.780 min Scan# 2091  
Delta R.T. 0.016 min  
Lab File: VV037576.D  
Acq: 27 Sep 2024 02:15

Instrument :  
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|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 10515 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 99       | 58.5  | 44.1  | 81.9  |
| 83       | 80.6  | 59.3  | 110.1 |
| 85       | 44.2  | 39.0  | 72.4  |



#46  
Tetrachloroethene  
Concen: 71.728 ug/L  
RT: 7.898 min Scan# 2133  
Delta R.T. -0.000 min  
Lab File: VV037576.D  
Acq: 27 Sep 2024 02:15

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 164   | Resp: | 275974 |
| Ion      | Ratio | Lower | Upper  |
| 164      | 100   |       |        |
| 129      | 97.2  | 68.2  | 126.6  |
| 131      | 94.2  | 66.1  | 122.8  |
| 166      | 129.2 | 91.1  | 169.1  |

