

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW020322\  
 Data File : VW024552.D  
 Acq On : 03 Feb 2022 16:59  
 Operator : SY/MD  
 Sample : N1364-09ME  
 Misc : 6.13g/5.0mL/100uL/5.0mL/MSVOA\_V/MEOH  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Feb 04 03:41:16 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM020222WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Feb 03 05:56:12 2022  
 Response via : Initial Calibration

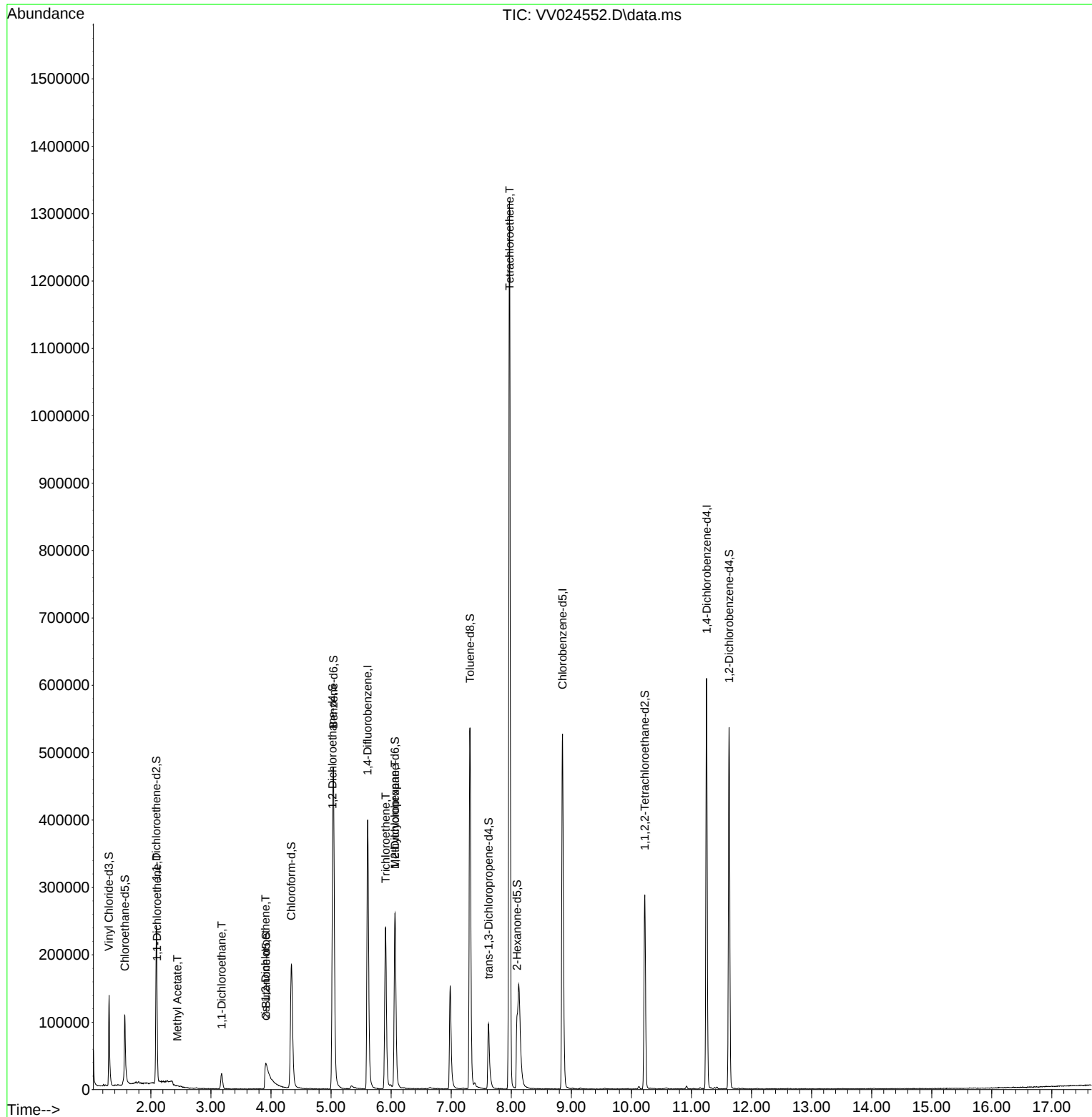
| Compound                      | R.T.    | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|---------|-------|----------|----------|--------|----------|
| -----                         |         |       |          |          |        |          |
| Internal Standards            |         |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.609   | 114   | 343376   | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.853   | 117   | 323554   | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.252  | 152   | 147049   | 50.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |         |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.304   | 65    | 100364   | 41.160   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =      | 82.320%  |
| 7) Chloroethane-d5            | 1.568   | 69    | 86951    | 40.912   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =      | 81.820%  |
| 11) 1,1-Dichloroethene-d2     | 2.092   | 63    | 112371   | 23.131   | ug/L   | -0.02    |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 46.260%# |
| 21) 2-Butanone-d5             | 3.915   | 46    | 107693   | 66.776   | ug/L   | 0.03     |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =      | 66.780%  |
| 24) Chloroform-d              | 4.339   | 84    | 197108   | 44.015   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 88.040%  |
| 26) 1,2-Dichloroethane-d4     | 5.024   | 65    | 134576   | 47.082   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 94.160%  |
| 32) Benzene-d6                | 5.040   | 84    | 400000   | 43.479   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 86.960%  |
| 36) 1,2-Dichloropropane-d6    | 6.066   | 67    | 132047   | 45.088   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =      | 90.180%  |
| 41) Toluene-d8                | 7.313   | 98    | 364231   | 43.019   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 86.040%  |
| 43) trans-1,3-Dichloroprop... | 7.622   | 79    | 66603    | 43.217   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 86.440%  |
| 47) 2-Hexanone-d5             | 8.098   | 63    | 27830    | 22.373   | ug/L   | 0.01     |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =      | 22.370%# |
| 56) 1,1,2,2-Tetrachloroeth... | 10.223  | 84    | 159691   | 45.482   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =      | 90.960%  |
| 66) 1,2-Dichlorobenzene-d4    | 11.628  | 152   | 126483   | 45.462   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 90.920%  |
| Target Compounds              |         |       |          |          |        |          |
|                               |         |       |          |          | Qvalue |          |
| 12) 1,1-Dichloroethene        | 2.104   | 96    | 10641    | 5.237    | ug/L # | 1        |
| 15) Methyl Acetate            | 2.439   | 43    | 1538     | 0.685    | ug/L # | 77       |
| 19) 1,1-Dichloroethane        | 3.178   | 63    | 23685    | 5.881    | ug/L   | 97       |
| 20) cis-1,2-Dichloroethene    | 3.908   | 96    | 2464     | 1.051    | ug/L   | 81       |
| 34) Trichloroethene           | 5.908   | 95    | 80959    | 31.213   | ug/L   | 98       |
| 35) Methylcyclohexane         | 6.066   | 83    | 31387    | 8.020    | ug/L # | 19       |
| 46) Tetrachloroethene         | 7.972   | 164   | 260887   | 169.295  | ug/L   | 98       |
| -----                         |         |       |          |          |        |          |

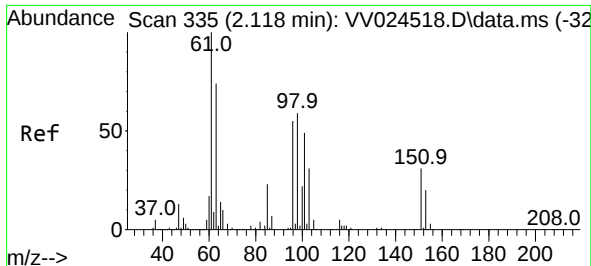
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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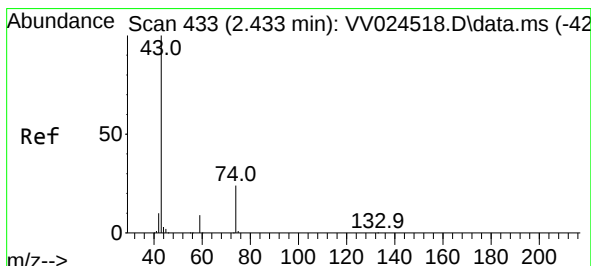
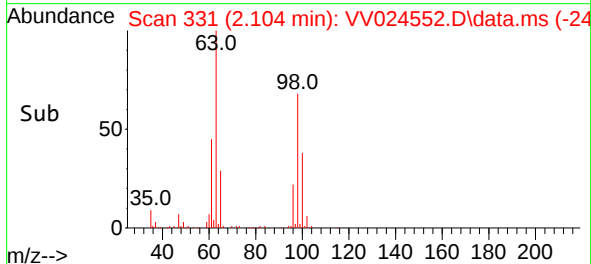
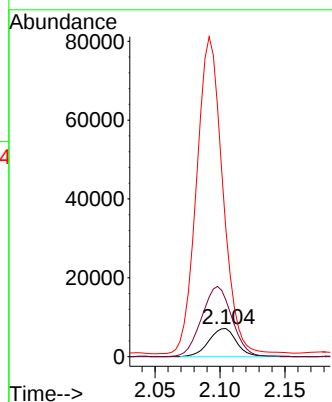
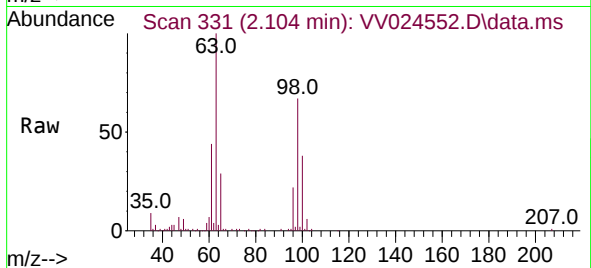




#12  
1,1-Dichloroethene  
Concen: 5.237 ug/L  
RT: 2.104 min Scan# 311  
Delta R.T. -0.013 min  
Lab File: VV024552.D  
Acq: 03 Feb 2022 16:59

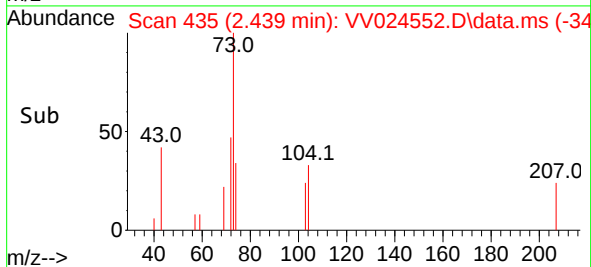
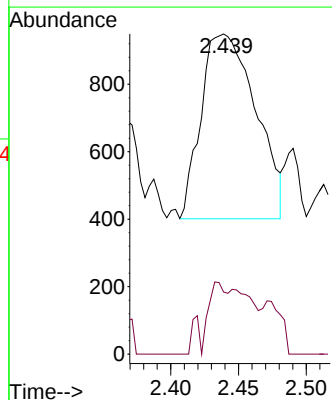
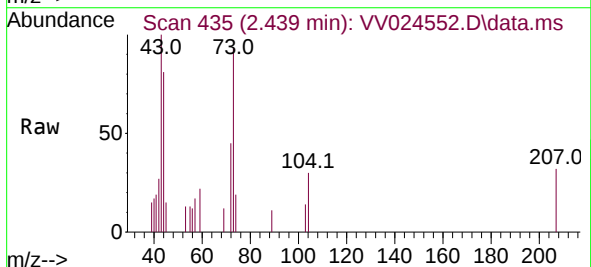
Instrument :  
MSVOA\_V  
ClientSampleId :

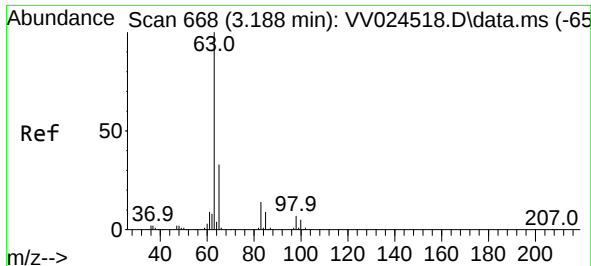
Tgt Ion: 96 Resp: 10641  
Ion Ratio Lower Upper  
96 100  
61 201.9 127.1 236.1  
63 455.9 94.5 175.5#



#15  
Methyl Acetate  
Concen: 0.685 ug/L  
RT: 2.439 min Scan# 435  
Delta R.T. 0.006 min  
Lab File: VV024552.D  
Acq: 03 Feb 2022 16:59

Tgt Ion: 43 Resp: 1538  
Ion Ratio Lower Upper  
43 100  
74 13.3 19.7 29.5#





#19

1,1-Dichloroethane

Concen: 5.881 ug/L

RT: 3.178 min Scan# 6

Delta R.T. -0.010 min

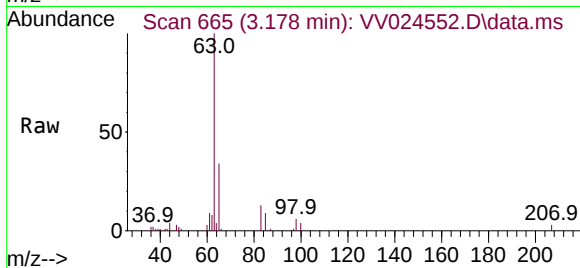
Lab File: VV024552.D

Acq: 03 Feb 2022 16:59

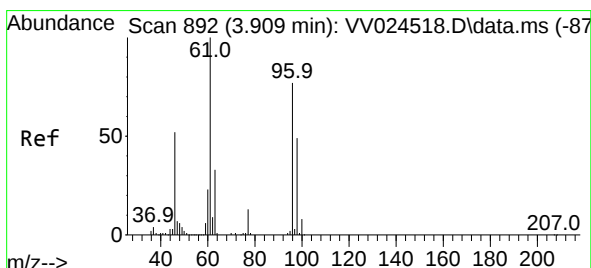
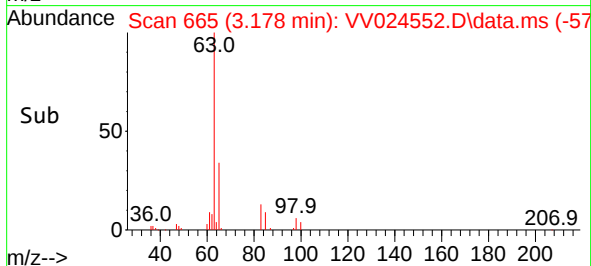
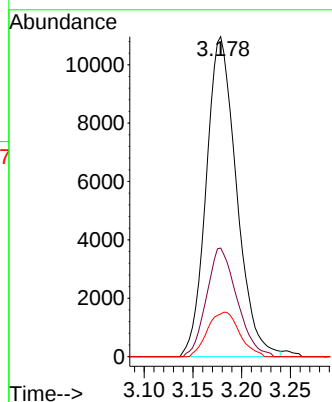
Instrument :

MSVOA\_V

ClientSampleId :



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 63    | Resp: | 23685 |
| Ion      | Ratio | Lower | Upper |
| 63       | 100   |       |       |
| 65       | 34.0  | 22.2  | 41.2  |
| 83       | 13.4  | 9.8   | 18.2  |



#20

cis-1,2-Dichloroethene

Concen: 1.051 ug/L

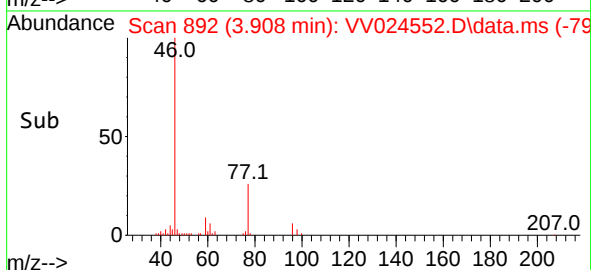
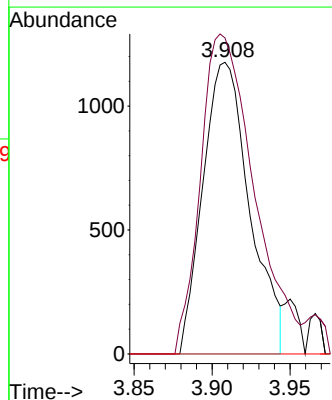
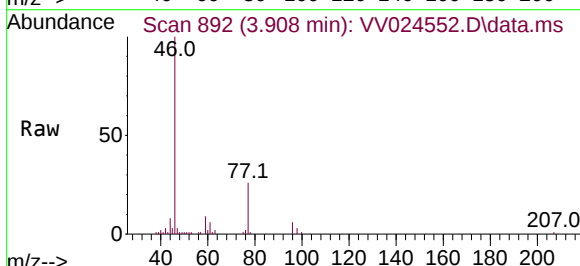
RT: 3.908 min Scan# 892

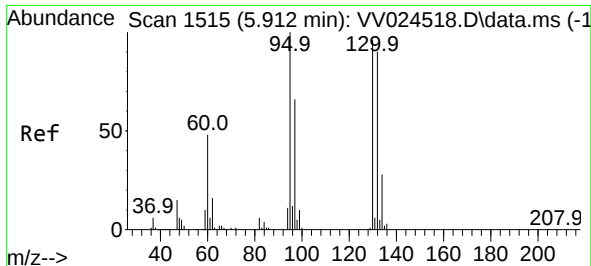
Delta R.T. -0.000 min

Lab File: VV024552.D

Acq: 03 Feb 2022 16:59

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 96    | Resp: | 2464  |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 108.3 | 91.5  | 169.9 |
| 68       | 0.0   | 0.0   | 0.0   |

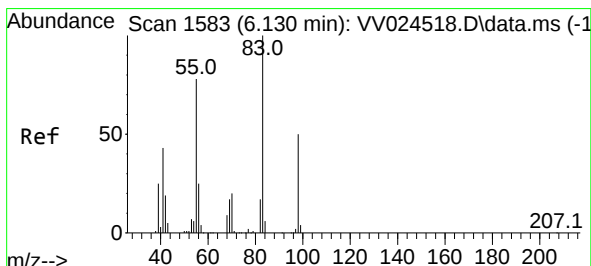
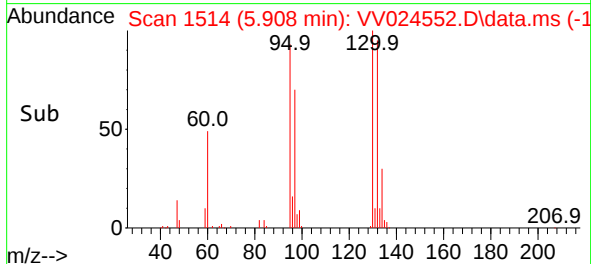
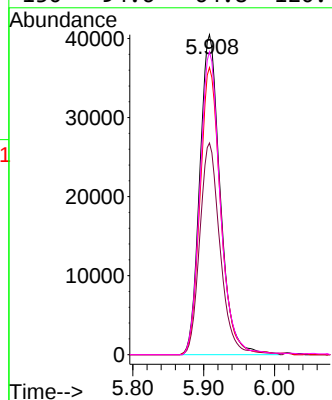
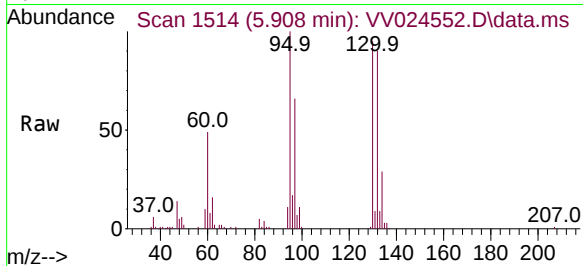




#34  
Trichloroethene  
Concen: 31.213 ug/L  
RT: 5.908 min Scan# 1514  
Delta R.T. -0.003 min  
Lab File: VV024552.D  
Acq: 03 Feb 2022 16:59

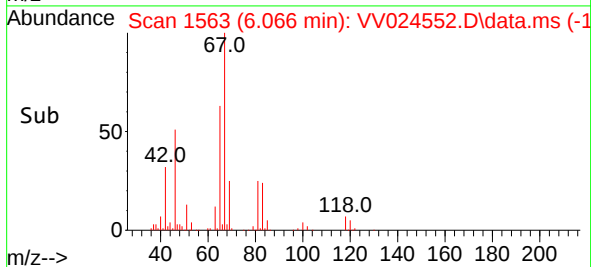
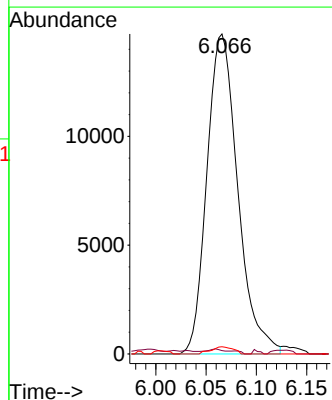
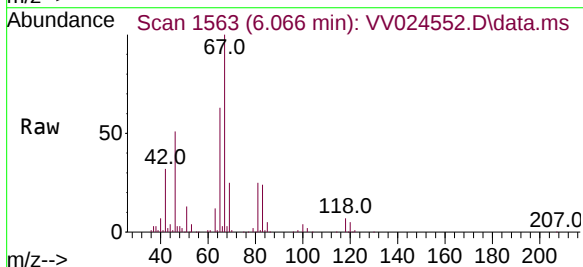
Instrument :  
MSVOA\_V  
ClientSampleId :

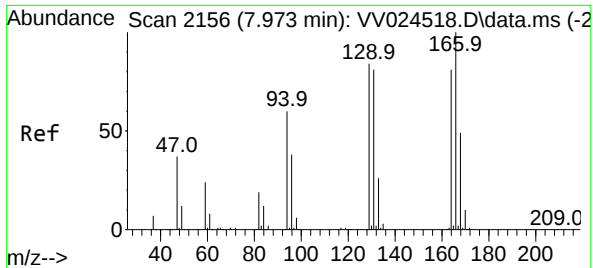
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 95    | Resp: | 80959 |
| Ion      | Ratio | Lower | Upper |
| 95       | 100   |       |       |
| 97       | 66.2  | 44.1  | 81.9  |
| 132      | 89.7  | 62.4  | 116.0 |
| 130      | 94.6  | 64.8  | 120.4 |



#35  
Methylcyclohexane  
Concen: 8.020 ug/L  
RT: 6.066 min Scan# 1563  
Delta R.T. -0.065 min  
Lab File: VV024552.D  
Acq: 03 Feb 2022 16:59

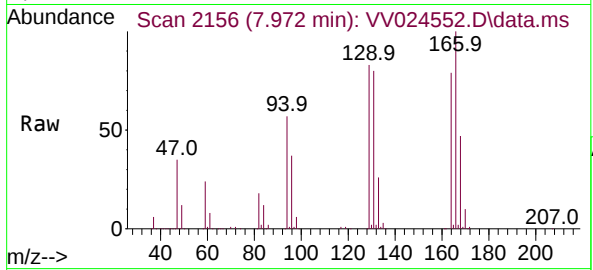
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 31387 |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 55       | 0.3   | 60.9  | 91.3# |
| 98       | 1.5   | 39.2  | 58.8# |





#46  
 Tetrachloroethene  
 Concen: 169.295 ug/L  
 RT: 7.972 min Scan# 21  
 Delta R.T. -0.000 min  
 Lab File: VV024552.D  
 Acq: 03 Feb 2022 16:59

Instrument :  
 MSVOA\_V  
 ClientSampleId :



Tgt Ion:164 Resp: 260887

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 129 | 105.5 | 74.8  | 138.8 |
| 131 | 102.5 | 70.8  | 131.6 |
| 166 | 127.4 | 87.6  | 162.6 |

