

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW041723\  
 Data File : VW030601.D  
 Acq On : 17 Apr 2023 20:13  
 Operator : SY/MD  
 Sample : 02360-09  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Apr 18 02:52:44 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM041723WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Apr 18 02:45:56 2023  
 Response via : Initial Calibration

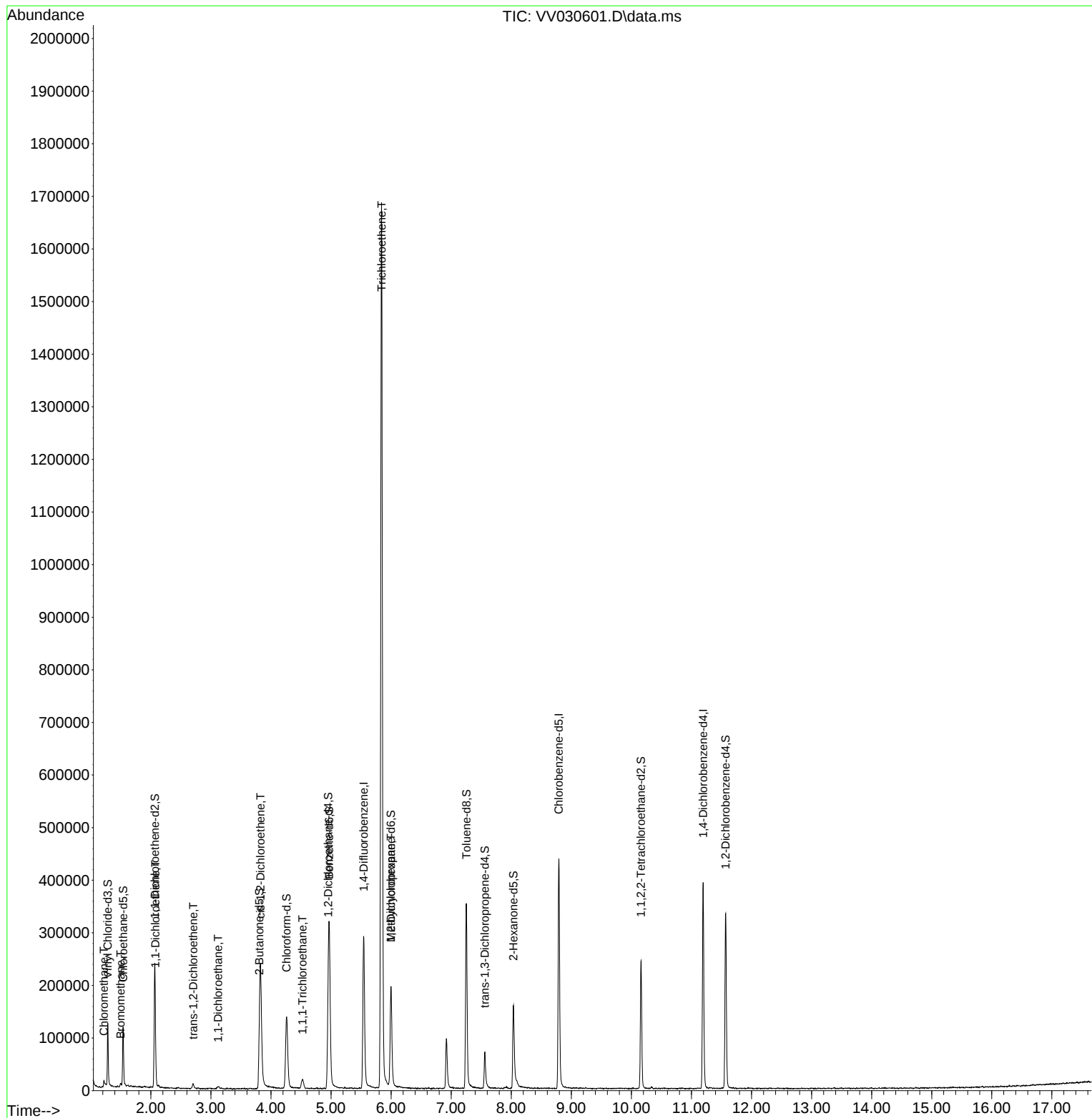
| Compound                      | R.T.    | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|---------|-------|----------|----------|--------|----------|
| Internal Standards            |         |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.542   | 114   | 242863   | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.793   | 117   | 232760   | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.194  | 152   | 104214   | 50.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |         |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.282   | 65    | 79299    | 44.541   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =      | 89.080%  |
| 7) Chloroethane-d5            | 1.539   | 69    | 66985    | 44.898   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =      | 89.800%  |
| 11) 1,1-Dichloroethene-d2     | 2.066   | 65    | 37312    | 44.192   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 88.380%  |
| 21) 2-Butanone-d5             | 3.806   | 46    | 81573    | 83.418   | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =      | 83.420%  |
| 24) Chloroform-d              | 4.259   | 84    | 144501   | 44.786   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 89.580%  |
| 26) 1,2-Dichloroethane-d4     | 4.953   | 65    | 96604    | 46.571   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 93.140%  |
| 32) Benzene-d6                | 4.970   | 84    | 267432   | 48.597   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 97.200%  |
| 36) 1,2-Dichloropropane-d6    | 5.998   | 67    | 84668    | 49.531   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =      | 99.060%  |
| 41) Toluene-d8                | 7.252   | 98    | 231829   | 44.868   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 89.740%  |
| 43) trans-1,3-Dichloroprop... | 7.561   | 79    | 38455    | 44.633   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 89.260%  |
| 47) 2-Hexanone-d5             | 8.037   | 63    | 56309    | 83.619   | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =      | 83.620%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.159  | 84    | 109259   | 44.048   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =      | 88.100%  |
| 66) 1,2-Dichlorobenzene-d4    | 11.571  | 152   | 84139    | 50.795   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 101.580% |
| Target Compounds              |         |       |          |          |        |          |
| 3) Chloromethane              | 1.220   | 50    | 15146    | 5.530    | ug/L   | 96       |
| 6) Bromomethane               | 1.497   | 94    | 2260     | 2.581    | ug/L   | 89       |
| 12) 1,1-Dichloroethene        | 2.076   | 96    | 7911     | 4.652    | ug/L # | 1        |
| 17) trans-1,2-Dichloroethene  | 2.706   | 96    | 3308     | 1.927    | ug/L   | 91       |
| 19) 1,1-Dichloroethane        | 3.121   | 63    | 4118     | 1.177    | ug/L   | 98       |
| 20) cis-1,2-Dichloroethene    | 3.825   | 96    | 112691   | 60.344   | ug/L   | 98       |
| 30) 1,1,1-Trichloroethane     | 4.526   | 97    | 14233    | 4.352    | ug/L   | 97       |
| 34) Trichloroethene           | 5.841   | 95    | 560985   | 305.131  | ug/L   | 98       |
| 35) Methylcyclohexane         | 5.998   | 83    | 21626    | 7.507    | ug/L # | 17       |

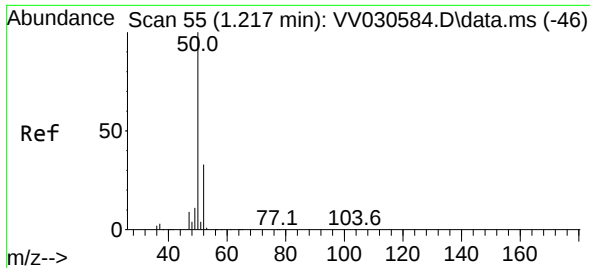
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV041723\  
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ALS Vial : 26 Sample Multiplier: 1

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MSVOA\_V  
ClientSampleId :

Quant Time: Apr 18 02:52:44 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM041723WMA.M  
Quant Title : VOC Analysis  
QLast Update : Tue Apr 18 02:45:56 2023  
Response via : Initial Calibration

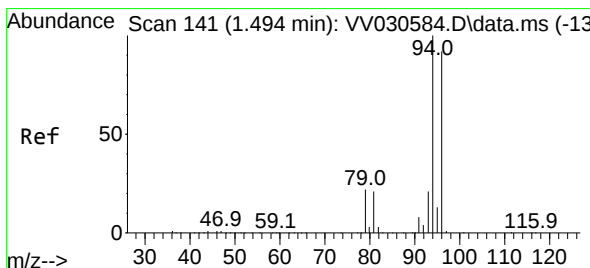
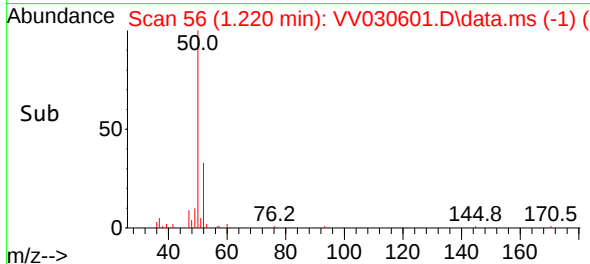
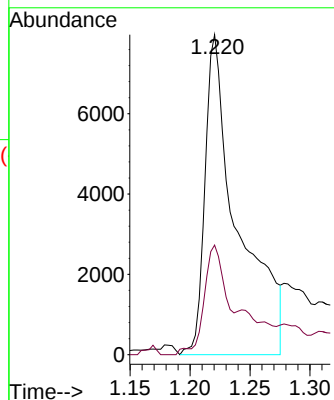
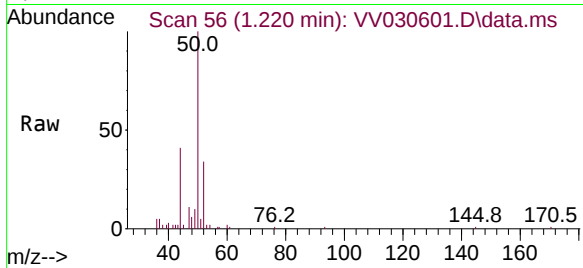




#3  
Chloromethane  
Concen: 5.530 ug/L  
RT: 1.220 min Scan# 50  
Delta R.T. 0.003 min  
Lab File: VV030601.D  
Acq: 17 Apr 2023 20:13

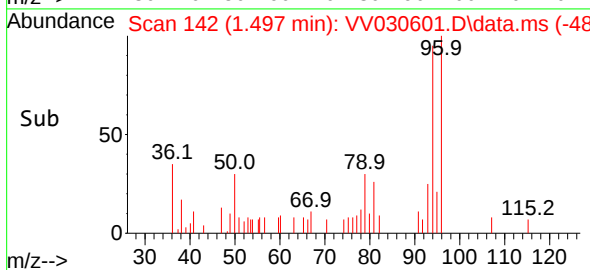
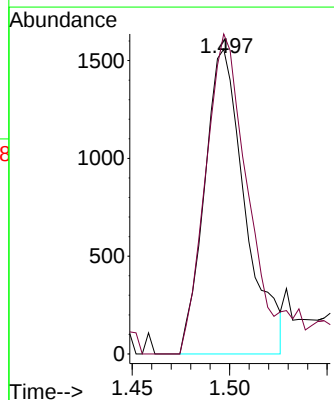
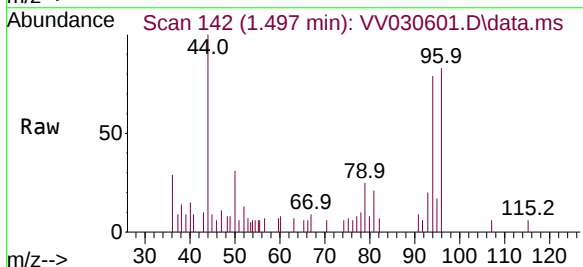
Instrument :  
MSVOA\_V  
ClientSampleId :

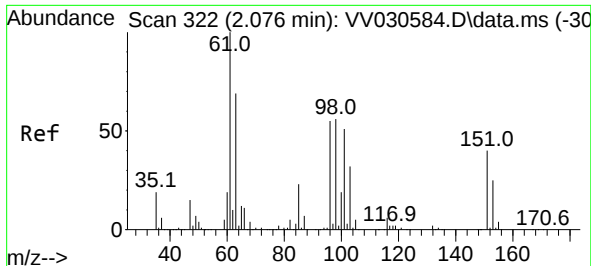
Tgt Ion: 50 Resp: 15146  
Ion Ratio Lower Upper  
50 100  
52 34.2 22.5 41.9



#6  
Bromomethane  
Concen: 2.581 ug/L  
RT: 1.497 min Scan# 142  
Delta R.T. 0.003 min  
Lab File: VV030601.D  
Acq: 17 Apr 2023 20:13

Tgt Ion: 94 Resp: 2260  
Ion Ratio Lower Upper  
94 100  
96 105.0 66.3 123.1





#12

1,1-Dichloroethene

Concen: 4.652 ug/L

RT: 2.076 min Scan# 31

Delta R.T. 0.000 min

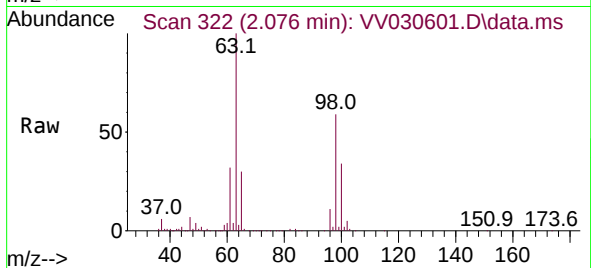
Lab File: VV030601.D

Acq: 17 Apr 2023 20:13

Instrument :

MSVOA\_V

ClientSampleId :



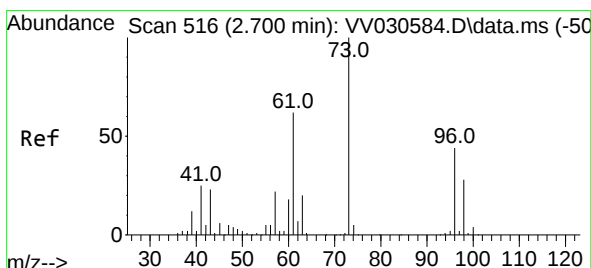
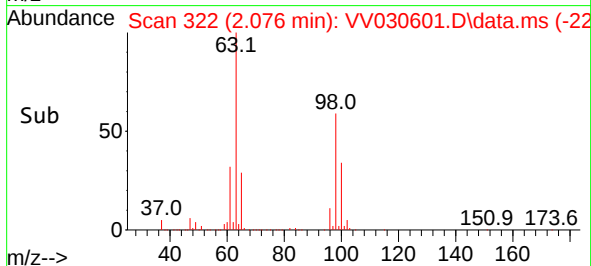
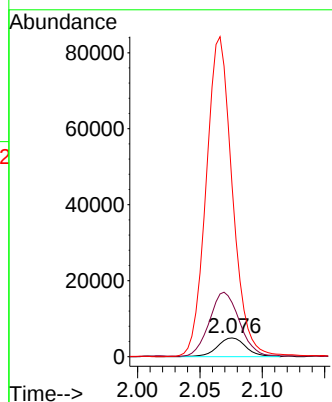
Tgt Ion: 96 Resp: 7911

Ion Ratio Lower Upper

96 100

61 288.5 131.9 245.0#

63 915.1 99.8 185.3#



#17

trans-1,2-Dichloroethene

Concen: 1.927 ug/L

RT: 2.706 min Scan# 518

Delta R.T. 0.006 min

Lab File: VV030601.D

Acq: 17 Apr 2023 20:13

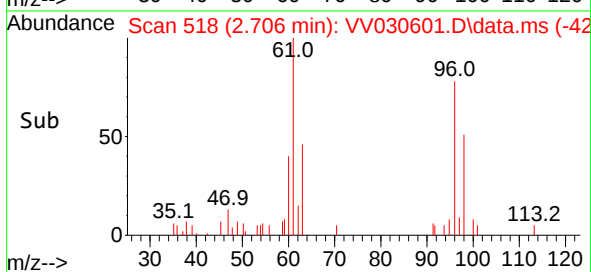
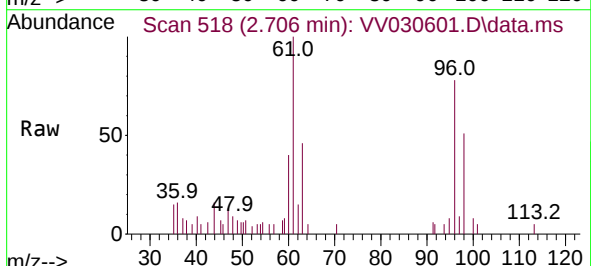
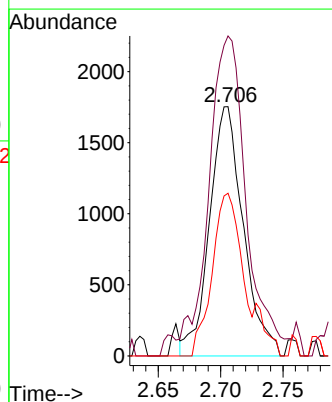
Tgt Ion: 96 Resp: 3308

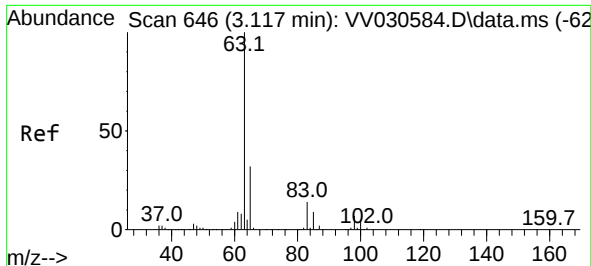
Ion Ratio Lower Upper

96 100

61 128.3 101.0 187.6

98 65.3 45.4 84.2





#19

1,1-Dichloroethane

Concen: 1.177 ug/L

RT: 3.121 min Scan# 646

Delta R.T. 0.003 min

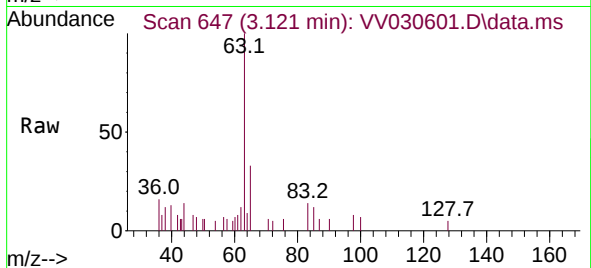
Lab File: VV030601.D

Acq: 17 Apr 2023 20:13

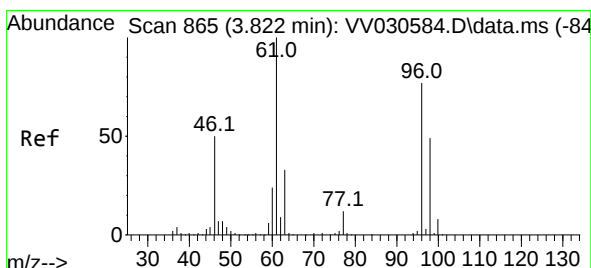
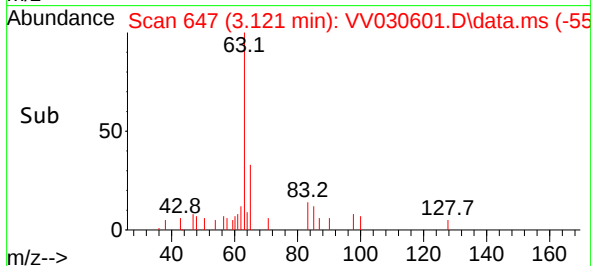
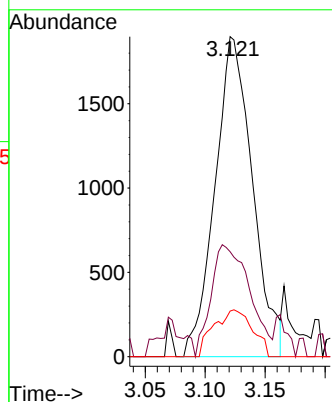
Instrument :

MSVOA\_V

ClientSampleId :



|             |                |
|-------------|----------------|
| Tgt Ion: 63 | Resp: 4118     |
| Ion Ratio   | Lower Upper    |
| 63          | 100            |
| 65          | 32.8 21.8 40.6 |
| 83          | 14.2 10.2 19.0 |



#20

cis-1,2-Dichloroethene

Concen: 60.344 ug/L

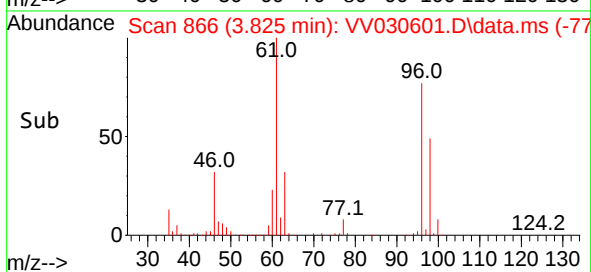
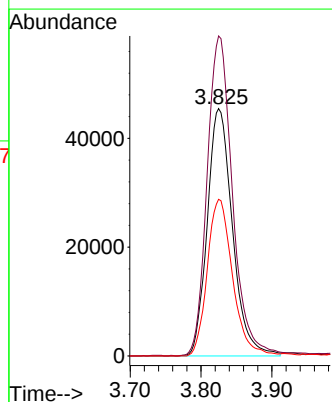
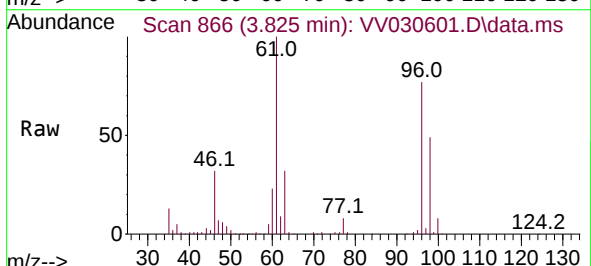
RT: 3.825 min Scan# 866

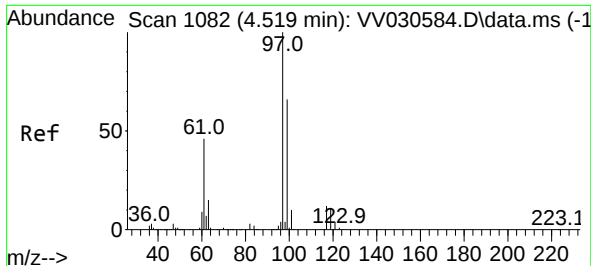
Delta R.T. 0.003 min

Lab File: VV030601.D

Acq: 17 Apr 2023 20:13

|             |                  |
|-------------|------------------|
| Tgt Ion: 96 | Resp: 112691     |
| Ion Ratio   | Lower Upper      |
| 96          | 100              |
| 61          | 129.4 92.3 171.3 |
| 98          | 63.3 45.9 85.3   |





#30

1,1,1-Trichloroethane

Concen: 4.352 ug/L

RT: 4.526 min Scan# 1084

Delta R.T. 0.006 min

Lab File: VV030601.D

Acq: 17 Apr 2023 20:13

Instrument :

MSVOA\_V

ClientSampleId :

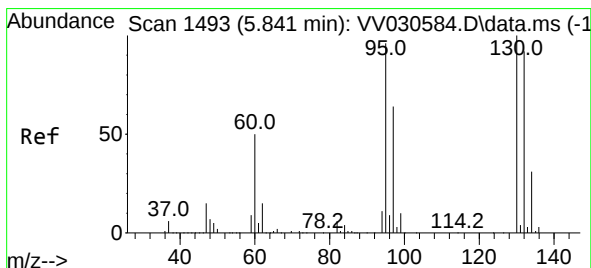
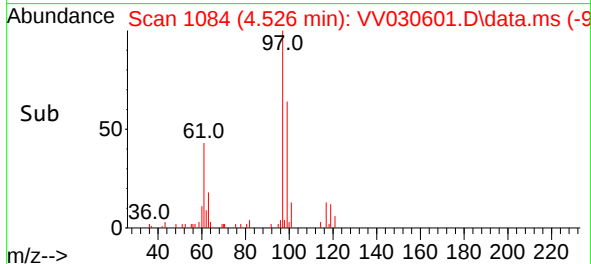
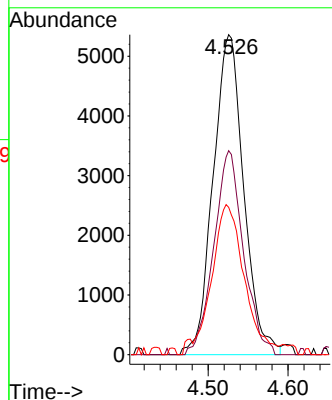
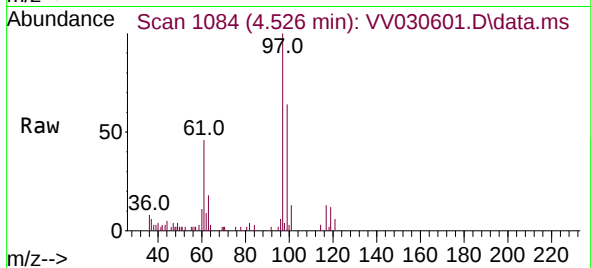
Tgt Ion: 97 Resp: 14233

Ion Ratio Lower Upper

97 100

99 61.8 51.4 77.0

61 44.0 37.0 55.6



#34

Trichloroethene

Concen: 305.131 ug/L

RT: 5.841 min Scan# 1493

Delta R.T. 0.000 min

Lab File: VV030601.D

Acq: 17 Apr 2023 20:13

Tgt Ion: 95 Resp: 560985

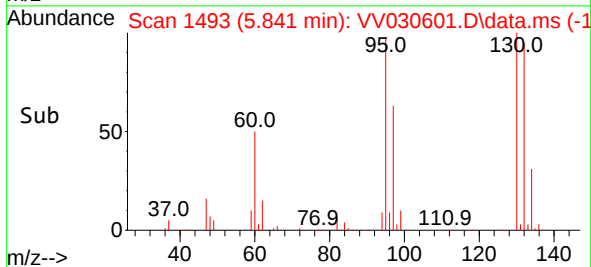
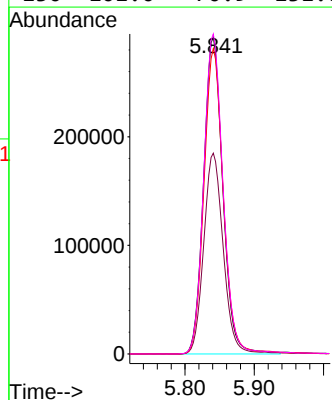
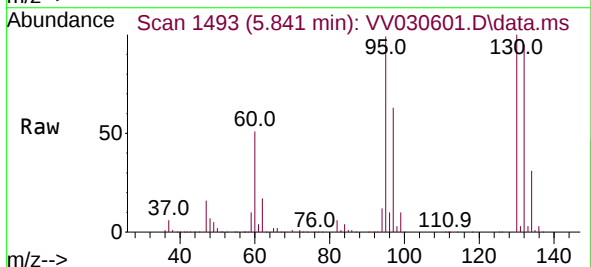
Ion Ratio Lower Upper

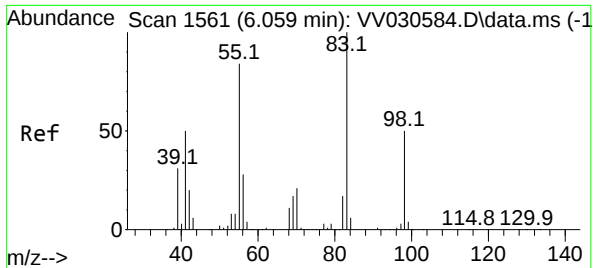
95 100

97 63.4 45.8 85.2

132 96.4 70.6 131.2

130 101.0 70.9 131.7





#35  
Methylcyclohexane  
Concen: 7.507 ug/L  
RT: 5.998 min Scan# 11  
Delta R.T. -0.061 min  
Lab File: VV030601.D  
Acq: 17 Apr 2023 20:13

Instrument :  
MSVOA\_V  
ClientSampleId :

Tgt Ion: 83 Resp: 21626  
Ion Ratio Lower Upper  
83 100  
55 1.0 65.5 98.3#  
98 0.3 38.7 58.1#

