

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV100221\  
 Data File : VV022532.D  
 Acq On : 03 Oct 2021 00:24  
 Operator : SY/MD  
 Sample : M3973-09ME  
 Misc : 5.07g/5.0mL/100uL/5.0mL/MSVOA\_V/MEOH  
 ALS Vial : 34 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Oct 04 04:30:30 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM100121WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Mon Oct 04 04:27:20 2021  
 Response via : Initial Calibration

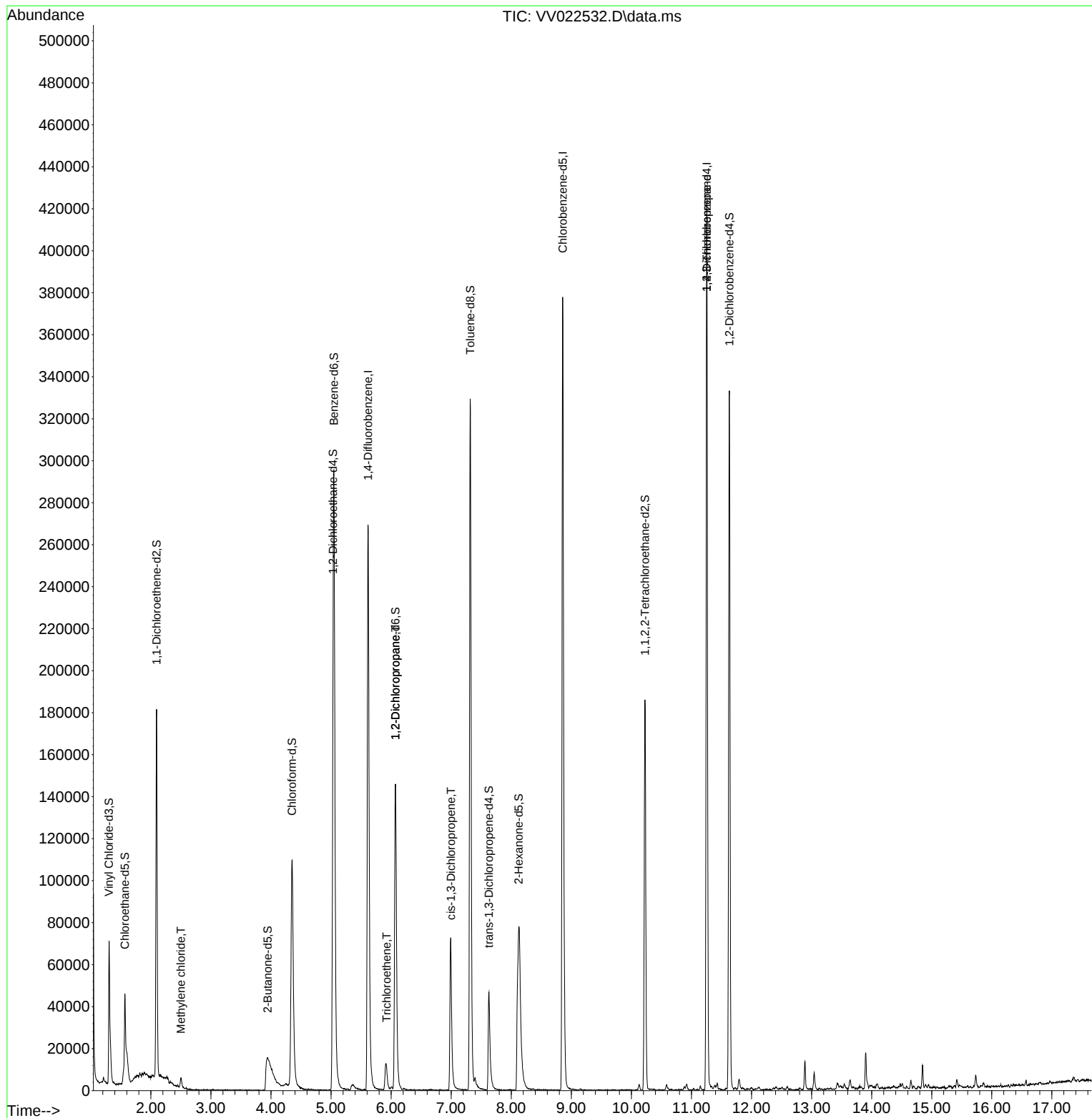
| Compound                      | R.T.    | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|---------|-------|----------|----------|--------|----------|
| -----                         |         |       |          |          |        |          |
| Internal Standards            |         |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.616   | 114   | 255079   | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.857   | 117   | 243845   | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.255  | 152   | 116993   | 50.000   | ug/L   | 0.00     |
|                               |         |       |          |          |        |          |
| System Monitoring Compounds   |         |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.304   | 65    | 64518    | 40.897   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =      | 81.800%  |
| 7) Chloroethane-d5            | 1.568   | 69    | 46647    | 37.617   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =      | 75.240%  |
| 11) 1,1-Dichloroethene-d2     | 2.095   | 63    | 92991    | 29.895   | ug/L   | -0.01    |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 59.780%# |
| 21) 2-Butanone-d5             | 3.947   | 46    | 25217    | 29.040   | ug/L   | 0.05     |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =      | 29.040%# |
| 24) Chloroform-d              | 4.349   | 84    | 123697   | 42.917   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 85.840%  |
| 26) 1,2-Dichloroethane-d4     | 5.034   | 65    | 78065    | 46.690   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 93.380%  |
| 32) Benzene-d6                | 5.047   | 84    | 255708   | 45.265   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 90.540%  |
| 36) 1,2-Dichloropropane-d6    | 6.072   | 67    | 79474    | 45.699   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =      | 91.400%  |
| 41) Toluene-d8                | 7.317   | 98    | 229249   | 44.241   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 88.480%  |
| 43) trans-1,3-Dichloroprop... | 7.628   | 79    | 32772    | 39.830   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 79.660%  |
| 47) 2-Hexanone-d5             | 8.124   | 63    | 54535    | 75.699   | ug/L   | 0.03     |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =      | 75.700%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.226  | 84    | 96350    | 39.843   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =      | 79.680%  |
| 66) 1,2-Dichlorobenzene-d4    | 11.632  | 152   | 90227    | 47.292   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 94.580%  |
|                               |         |       |          |          |        |          |
| Target Compounds              |         |       |          |          |        | Qvalue   |
| 16) Methylene chloride        | 2.500   | 84    | 2227     | 0.995    | ug/L   | 94       |
| 34) Trichloroethene           | 5.924   | 95    | 2379     | 1.210    | ug/L   | 94       |
| 37) 1,2-Dichloropropane       | 6.072   | 63    | 8613     | 4.468    | ug/L # | 85       |
| 39) cis-1,3-Dichloropropene   | 6.998   | 75    | 2132     | 0.735    | ug/L # | 77       |
| 61) 1,2,3-Trichloropropane    | 11.255  | 75    | 12410    | 5.578    | ug/L # | 63       |
| -----                         |         |       |          |          |        |          |

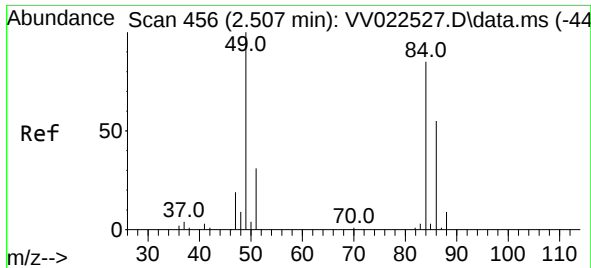
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc : 5.07g/5.0mL/100uL/5.0mL/MSVOA\_V/MEOH  
ALS Vial : 34 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :

Quant Time: Oct 04 04:30:30 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM100121WMA.M  
Quant Title : VOC Analysis  
QLast Update : Mon Oct 04 04:27:20 2021  
Response via : Initial Calibration



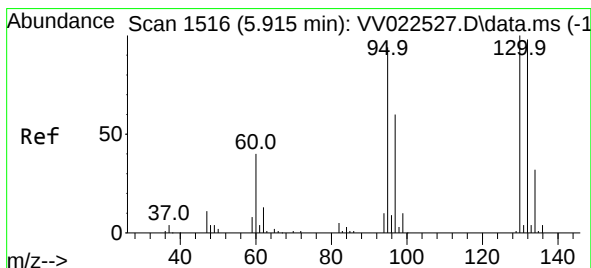
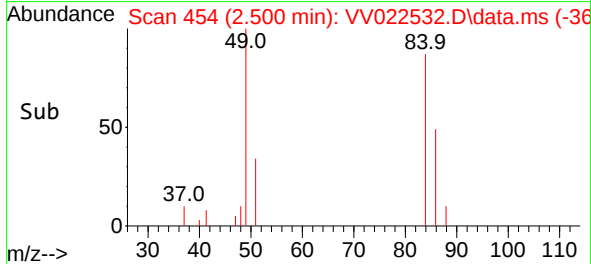
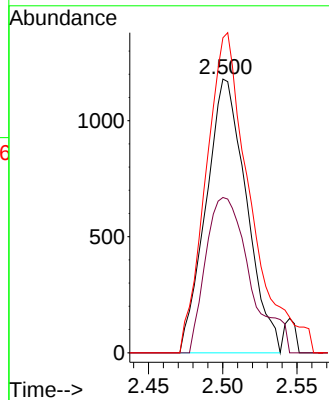
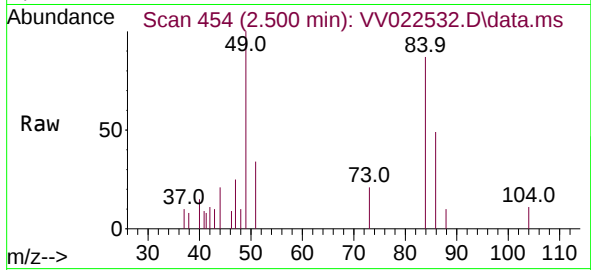


#16  
Methylene chloride  
Concen: 0.995 ug/L  
RT: 2.500 min Scan# 454  
Delta R.T. -0.007 min  
Lab File: VV022532.D  
Acq: 03 Oct 2021 00:24

Instrument :  
MSVOA\_V  
ClientSampleId :

Tgt Ion: 84 Resp: 2227

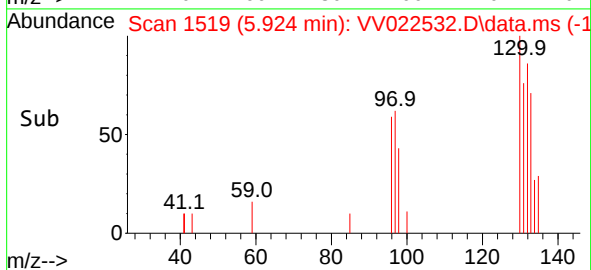
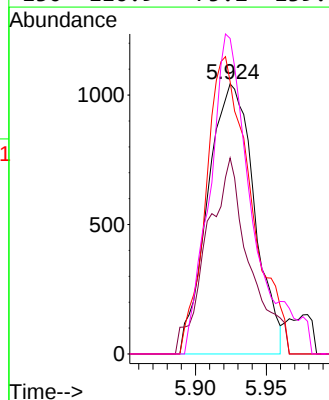
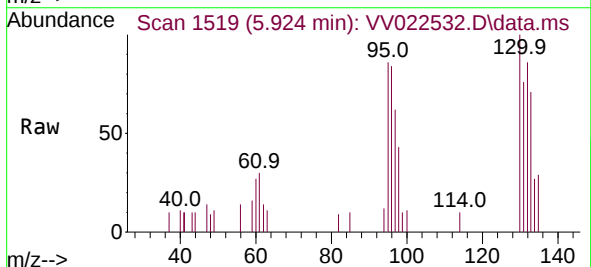
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 84  | 100   |       |       |
| 86  | 56.7  | 45.6  | 84.6  |
| 49  | 115.1 | 82.7  | 153.7 |

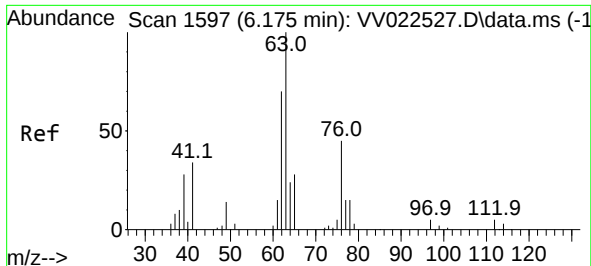


#34  
Trichloroethene  
Concen: 1.210 ug/L  
RT: 5.924 min Scan# 1519  
Delta R.T. 0.010 min  
Lab File: VV022532.D  
Acq: 03 Oct 2021 00:24

Tgt Ion: 95 Resp: 2379

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 97  | 72.6  | 45.4  | 84.4  |
| 132 | 100.9 | 71.5  | 132.9 |
| 130 | 116.9 | 75.2  | 139.6 |



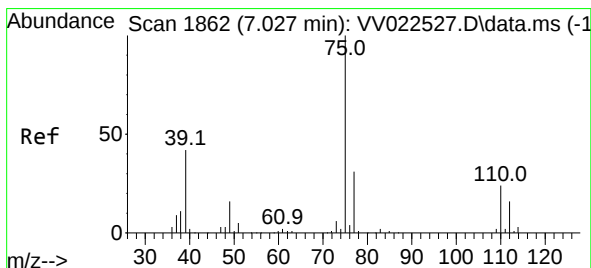
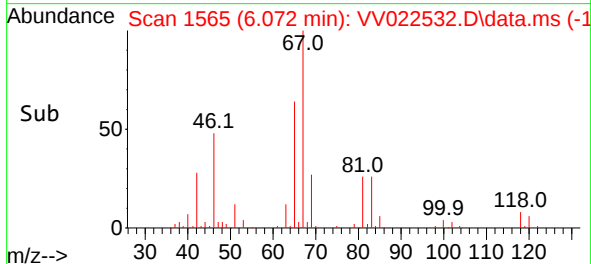
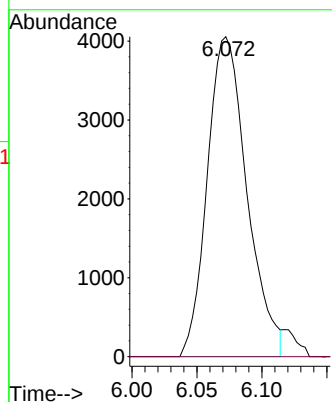
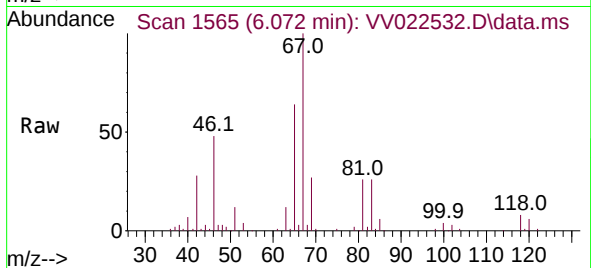


#37

1,2-Dichloropropane  
Concen: 4.468 ug/L  
RT: 6.072 min Scan# 1565  
Delta R.T. -0.103 min  
Lab File: VV022532.D  
Acq: 03 Oct 2021 00:24

Instrument :  
MSVOA\_V  
ClientSampled :

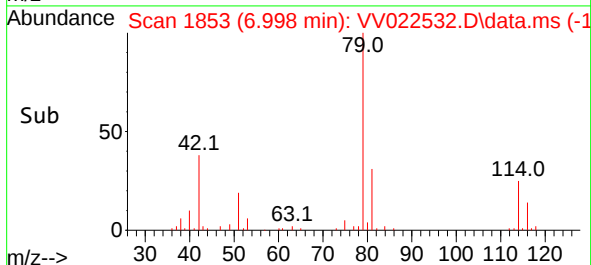
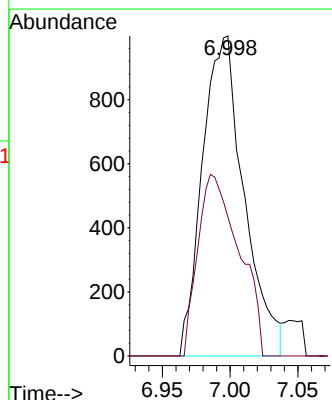
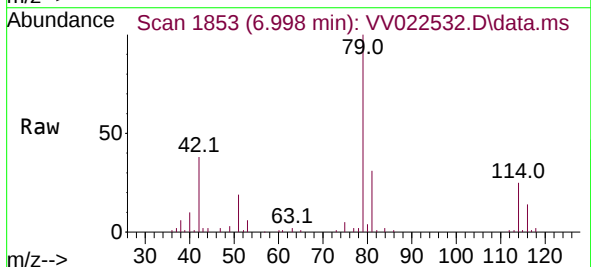
Tgt Ion: 63 Resp: 8613  
Ion Ratio Lower Upper  
63 100  
112 0.0 4.1 6.1#

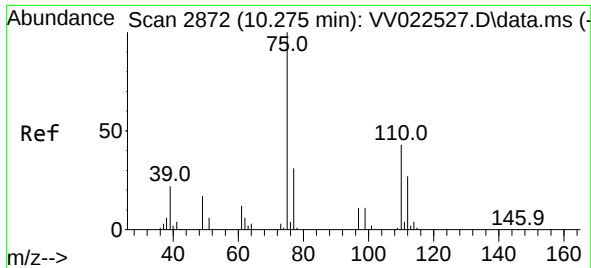


#39

cis-1,3-Dichloropropene  
Concen: 0.735 ug/L  
RT: 6.998 min Scan# 1853  
Delta R.T. -0.029 min  
Lab File: VV022532.D  
Acq: 03 Oct 2021 00:24

Tgt Ion: 75 Resp: 2132  
Ion Ratio Lower Upper  
75 100  
77 43.4 21.6 40.2#





#61  
 1,2,3-Trichloropropane  
 Concen: 5.578 ug/L  
 RT: 11.255 min Scan# 3177  
 Delta R.T. 0.981 min  
 Lab File: VV022532.D  
 Acq: 03 Oct 2021 00:24

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Tgt Ion: 75 Resp: 12410  
 Ion Ratio Lower Upper  
 75 100  
 77 34.3 26.0 39.0  
 110 2.6 34.3 51.5#

