

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD111423\  
 Data File : VD077565.D  
 Acq On : 14 Nov 2023 16:10  
 Operator : JC/SY  
 Sample : 05416-03  
 Misc : 4.59G/10.00ml/MSVOA\_D/SOIL  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :

Quant Time: Nov 16 02:28:58 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM110923SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Fri Nov 10 02:07:44 2023  
 Response via : Initial Calibration

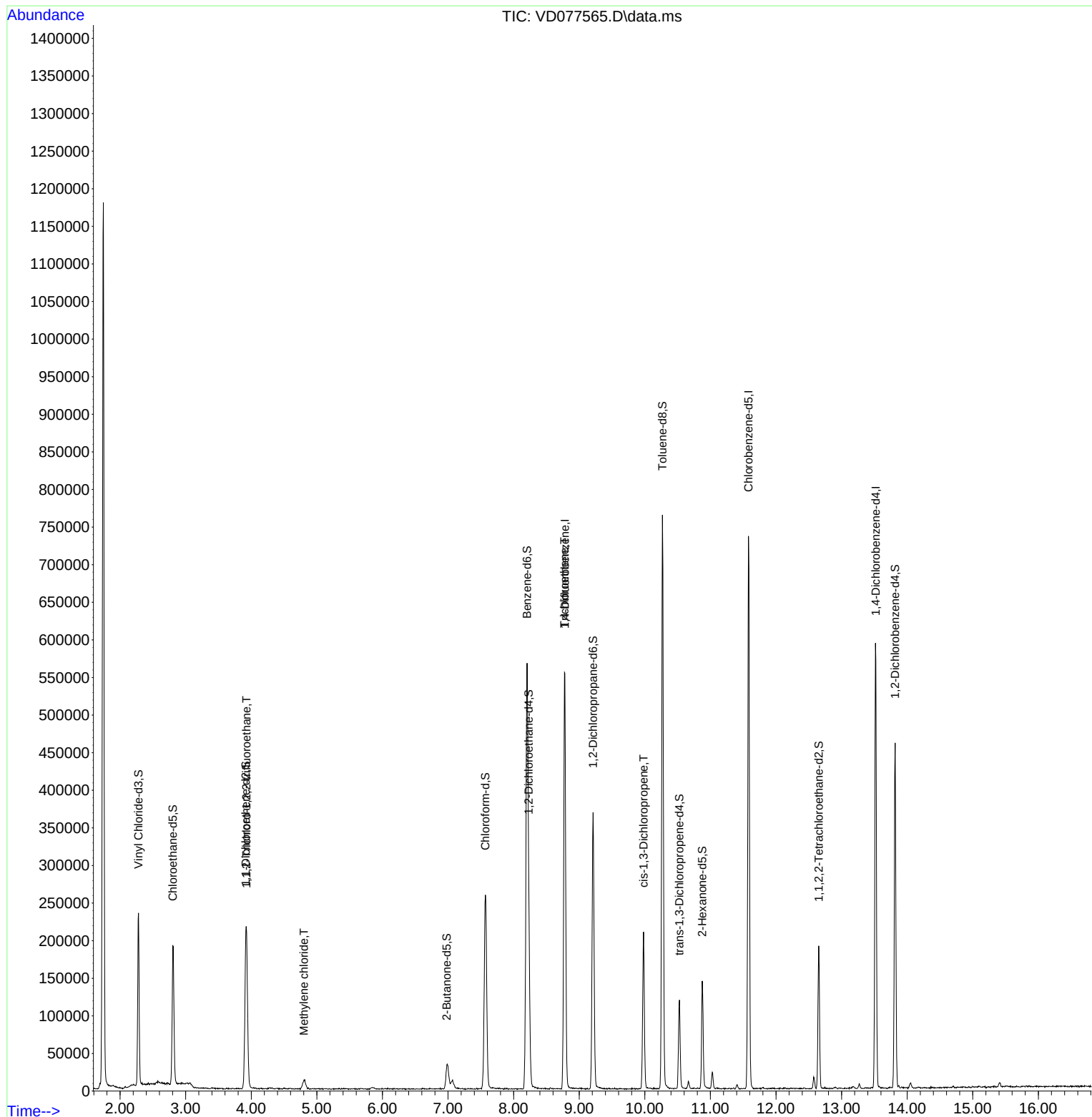
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 8.781  | 114   | 462554   | 25.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.581 | 117   | 390340   | 25.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.522 | 152   | 150567   | 25.000   | ug/L   | 0.00     |
|                               |        |       |          |          |        |          |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 2.281  | 65    | 216533   | 18.402   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 73.600%  |
| 7) Chloroethane-d5            | 2.805  | 69    | 187013   | 20.231   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 80.920%  |
| 11) 1,1-Dichloroethene-d2     | 3.917  | 65    | 68620    | 18.859   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 75.440%  |
| 21) 2-Butanone-d5             | 6.981  | 46    | 63499    | 31.169   | ug/L   | -0.01    |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 62.340%  |
| 24) Chloroform-d              | 7.569  | 84    | 272321   | 20.380   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 81.520%  |
| 26) 1,2-Dichloroethane-d4     | 8.228  | 65    | 137479   | 19.343   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 77.360%  |
| 32) Benzene-d6                | 8.205  | 84    | 571160   | 22.545   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 90.160%  |
| 36) 1,2-Dichloropropane-d6    | 9.210  | 67    | 183980   | 22.295   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 89.160%  |
| 41) Toluene-d8                | 10.269 | 98    | 499981   | 21.840   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 87.360%  |
| 43) trans-1,3-Dichloroprop... | 10.528 | 79    | 68690    | 19.305   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 77.240%  |
| 47) 2-Hexanone-d5             | 10.875 | 63    | 48715    | 33.000   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 66.000%  |
| 56) 1,1,2,2-Tetrachloroeth... | 12.651 | 84    | 96234    | 17.601   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 70.400%  |
| 66) 1,2-Dichlorobenzene-d4    | 13.816 | 152   | 112737   | 21.047   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 84.200%  |
|                               |        |       |          |          |        |          |
| Target Compounds              |        |       |          |          |        | Qvalue   |
| 10) 1,1,2-Trichloro-1,2,2-... | 3.928  | 101   | 1496     | 0.221    | ug/L # | 21       |
| 16) Methylene chloride        | 4.805  | 84    | 8081     | 1.035    | ug/L   | 85       |
| 34) Trichloroethene           | 8.775  | 95    | 14509    | 2.163    | ug/L # | 10       |
| 39) cis-1,3-Dichloropropene   | 9.981  | 75    | 5252     | 0.454    | ug/L # | 60       |
| -----                         |        |       |          |          |        |          |

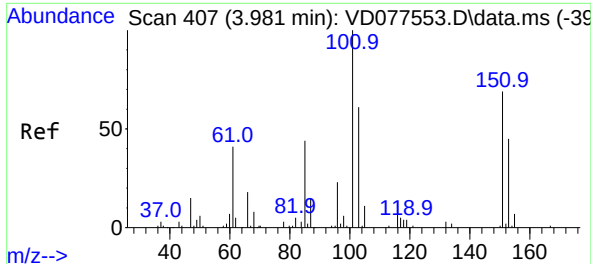
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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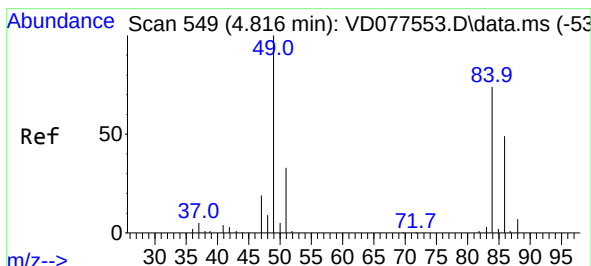
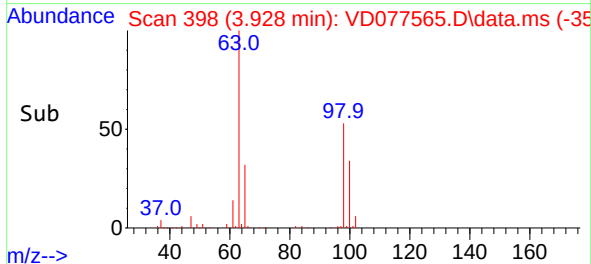
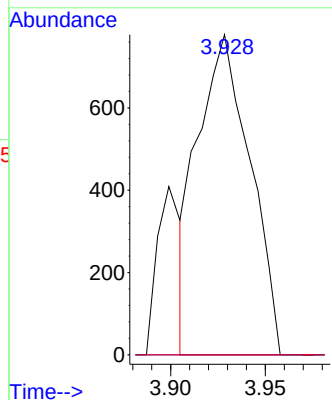
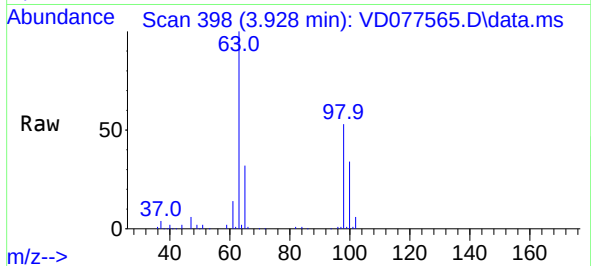




#10  
1,1,2-Trichloro-1,2,2-trifluoroethane  
Concen: 0.221 ug/L  
RT: 3.928 min Scan# 398  
Delta R.T. -0.041 min  
Lab File: VD077565.D  
Acq: 14 Nov 2023 16:10

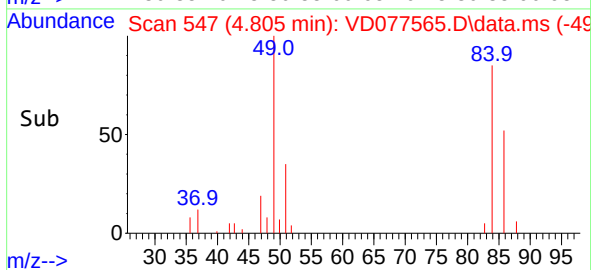
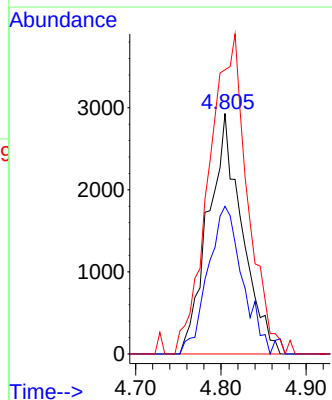
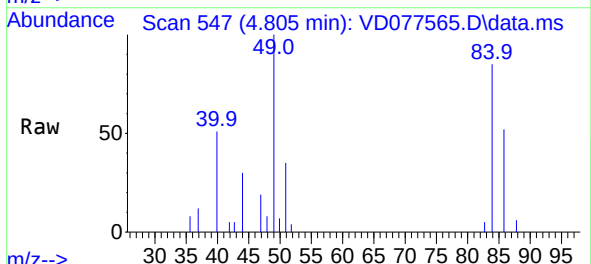
Instrument :  
MSVOA\_D  
ClientSampleId :

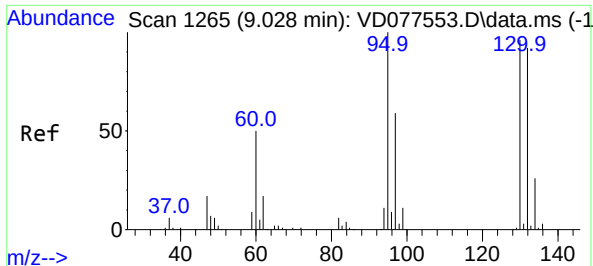
Tgt Ion:101 Resp: 1496  
Ion Ratio Lower Upper  
101 100  
85 0.0 36.8 55.2#  
151 0.0 56.6 84.8#



#16  
Methylene chloride  
Concen: 1.035 ug/L  
RT: 4.805 min Scan# 547  
Delta R.T. 0.000 min  
Lab File: VD077565.D  
Acq: 14 Nov 2023 16:10

Tgt Ion: 84 Resp: 8081  
Ion Ratio Lower Upper  
84 100  
86 61.4 46.5 86.5  
49 118.1 98.3 182.7



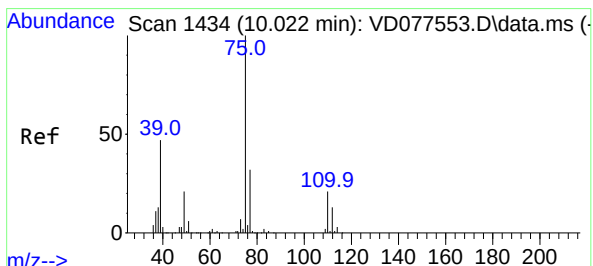
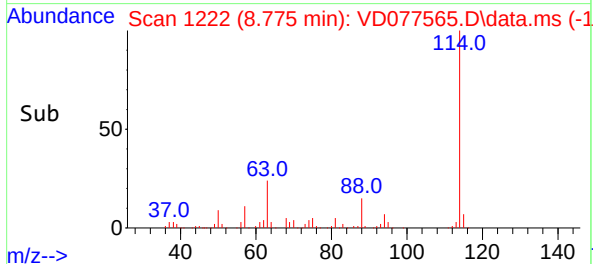
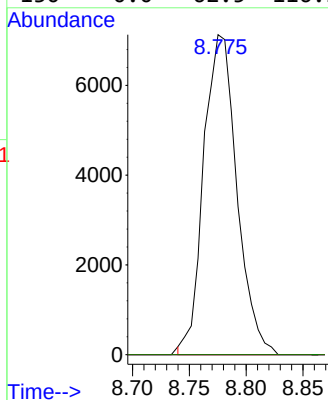
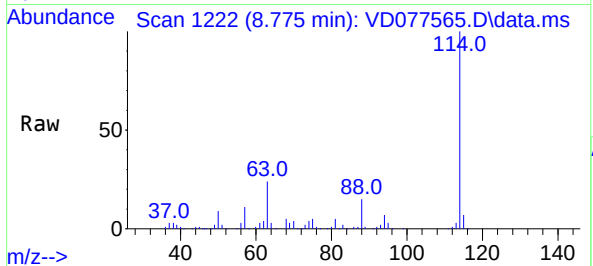


#34  
Trichloroethene  
Concen: 2.163 ug/L  
RT: 8.775 min Scan# 11  
Delta R.T. -0.253 min  
Lab File: VD077565.D  
Acq: 14 Nov 2023 16:10

Instrument :  
MSVOA\_D  
ClientSampleId :

Tgt Ion: 95 Resp: 14509

| Ion | Ratio | Lower | Upper  |
|-----|-------|-------|--------|
| 95  | 100   |       |        |
| 97  | 0.0   | 42.4  | 78.6#  |
| 132 | 0.0   | 59.4  | 110.2# |
| 130 | 0.0   | 62.5  | 116.1# |



#39  
cis-1,3-Dichloropropene  
Concen: 0.454 ug/L  
RT: 9.981 min Scan# 1427  
Delta R.T. -0.035 min  
Lab File: VD077565.D  
Acq: 14 Nov 2023 16:10

Tgt Ion: 75 Resp: 5252

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 75  | 100   |       |       |
| 77  | 54.3  | 22.5  | 41.9# |

