

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\DATA\VV091924\  
 Data File : VV037384.D  
 Acq On : 19 Sep 2024 15:50  
 Operator : SY/MD  
 Sample : P3986-12 10X  
 Misc : 25mL/MSVOA\_V/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BH8N2

Quant Time: Sep 20 01:58:48 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR091024WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Fri Sep 20 01:54:17 2024  
 Response via : Initial Calibration

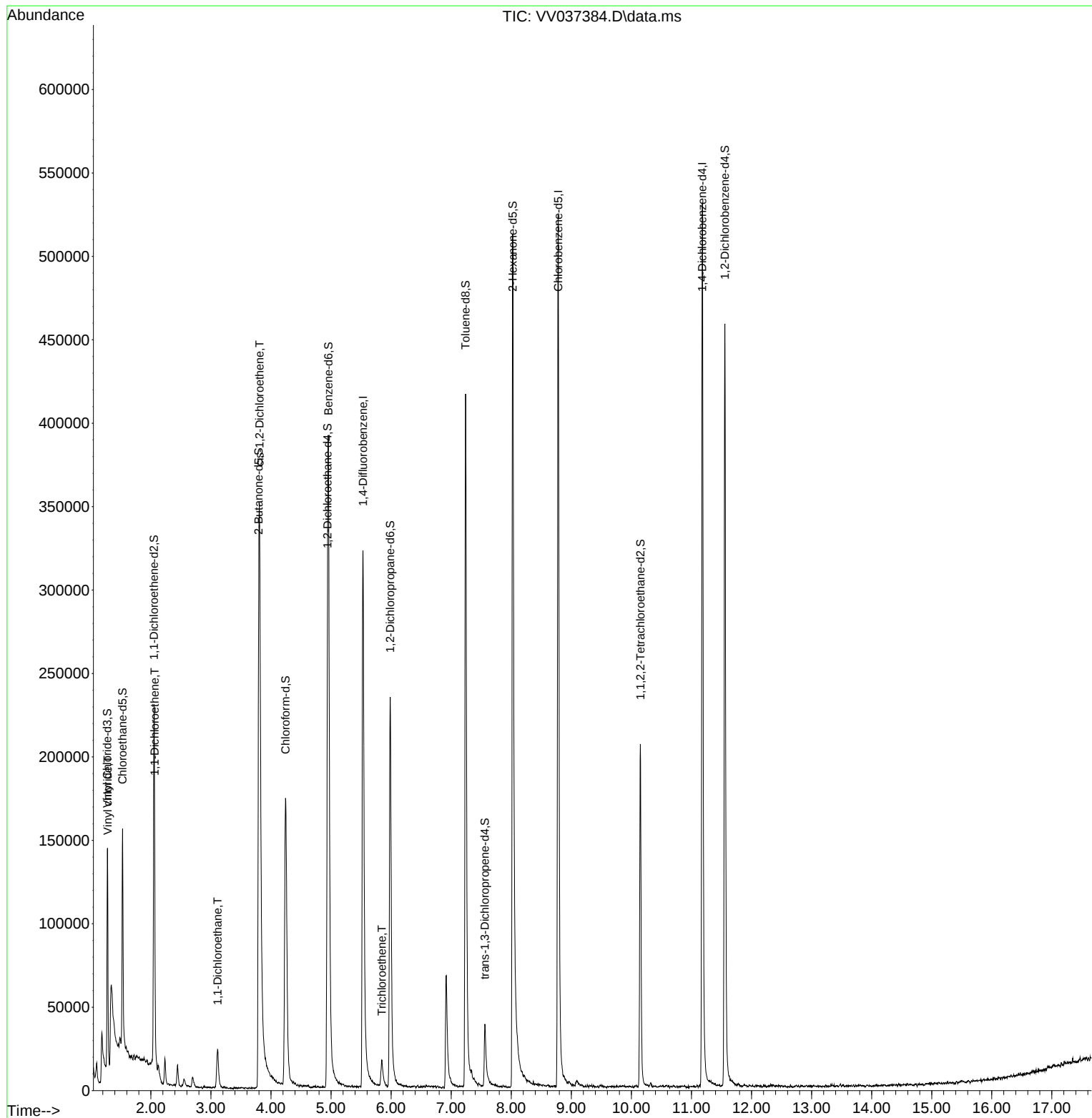
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.532  | 114   | 303210   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.780  | 117   | 315514   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.181 | 152   | 143018   | 5.000    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.275  | 65    | 64638    | 3.634    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 72.600%  |
| 7) Chloroethane-d5            | 1.529  | 69    | 82164    | 4.430    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 88.600%  |
| 11) 1,1-Dichloroethene-d2     | 2.053  | 65    | 35639    | 3.880    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 77.600%  |
| 20) 2-Butanone-d5             | 3.796  | 46    | 262044   | 49.292   | ug/L   | -0.04    |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 98.580%  |
| 24) Chloroform-d              | 4.243  | 84    | 197006   | 4.561    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 91.200%  |
| 26) 1,2-Dichloroethane-d4     | 4.941  | 65    | 96779    | 4.786    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 95.800%  |
| 32) Benzene-d6                | 4.957  | 84    | 362176   | 4.281    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 85.600%  |
| 36) 1,2-Dichloropropane-d6    | 5.986  | 67    | 124696   | 4.740    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 94.800%  |
| 41) Toluene-d8                | 7.239  | 98    | 296717   | 3.893    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 77.800%  |
| 43) trans-1,3-Dichloroprop... | 7.561  | 79    | 27381    | 3.164    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 63.200%  |
| 46) 2-Hexanone-d5             | 8.024  | 63    | 205528   | 48.612   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 97.220%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.149 | 84    | 102229   | 4.768    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 95.400%  |
| 66) 1,2-Dichlorobenzene-d4    | 11.558 | 152   | 122425   | 4.815    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 96.200%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 5) Vinyl chloride             | 1.282  | 62    | 28552    | 0.967    | ug/L # | 82       |
| 12) 1,1-Dichloroethene        | 2.063  | 96    | 4683     | 0.220    | ug/L # | 1        |
| 19) 1,1-Dichloroethane        | 3.111  | 63    | 25517    | 0.598    | ug/L   | 99       |
| 22) cis-1,2-Dichloroethene    | 3.809  | 96    | 124532   | 5.153    | ug/L   | 99       |
| 34) Trichloroethene           | 5.847  | 95    | 6244     | 0.244    | ug/L   | 98       |
| -----                         |        |       |          |          |        |          |

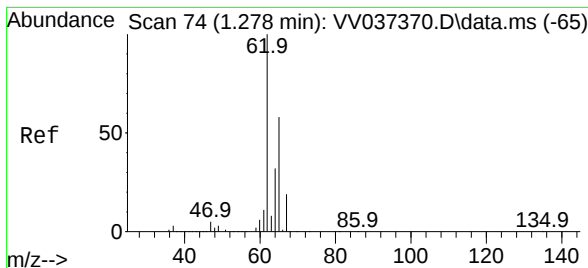
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SFAM1.0  
QLast Update : Fri Sep 20 01:54:17 2024  
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.967 ug/L

RT: 1.282 min Scan# 74

Delta R.T. 0.003 min

Lab File: VV037384.D

Acq: 19 Sep 2024 15:50

Instrument :

MSVOA\_V

ClientSampleId :

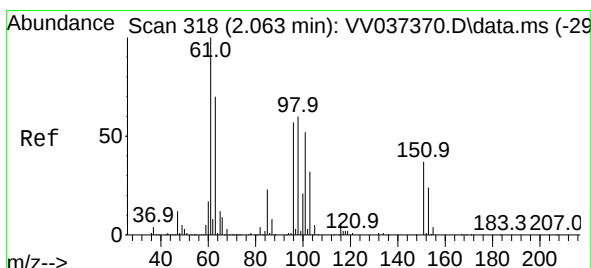
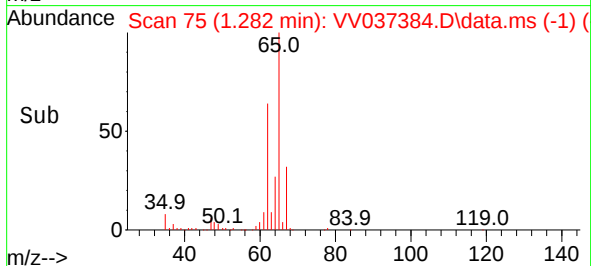
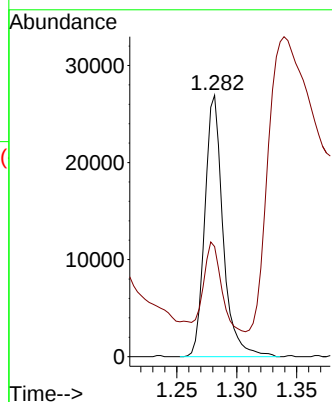
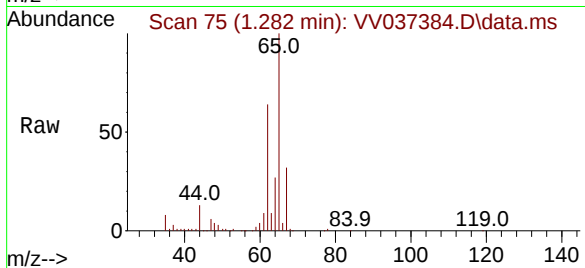
BH8N2

Tgt Ion: 62 Resp: 28552

Ion Ratio Lower Upper

62 100

64 42.1 22.4 41.6#



#12

1,1-Dichloroethene

Concen: 0.220 ug/L

RT: 2.063 min Scan# 318

Delta R.T. -0.000 min

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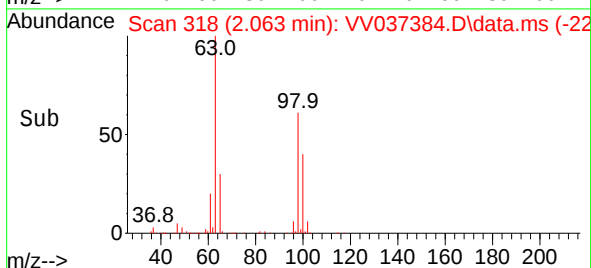
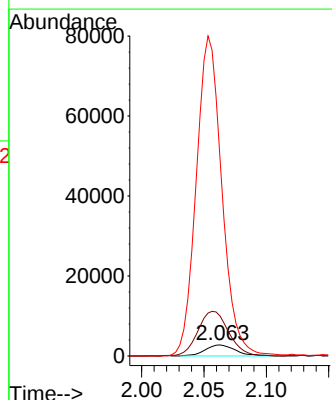
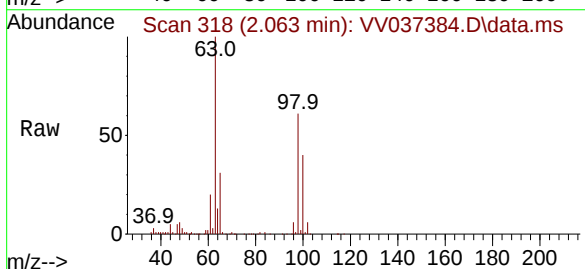
Tgt Ion: 96 Resp: 4683

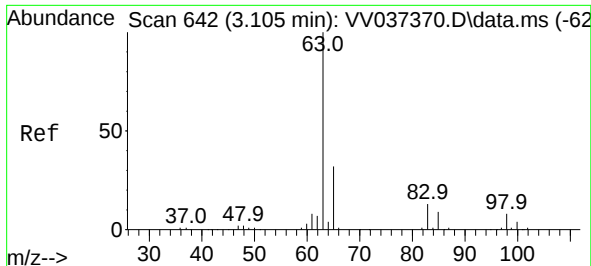
Ion Ratio Lower Upper

96 100

61 363.3 119.9 222.7#

63 1791.2 81.4 151.2#

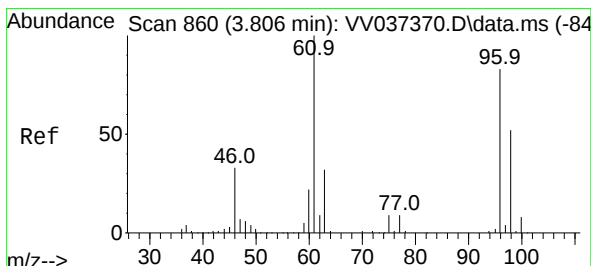
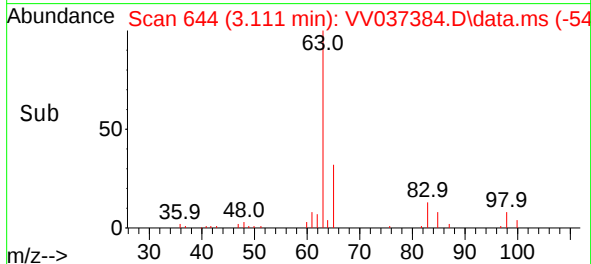
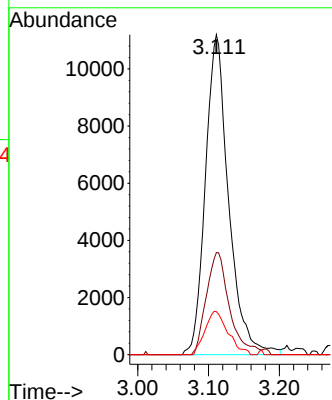
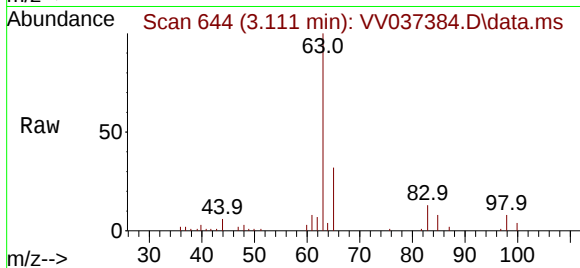




#19  
1,1-Dichloroethane  
Concen: 0.598 ug/L  
RT: 3.111 min Scan# 642  
Delta R.T. 0.006 min  
Lab File: VV037384.D  
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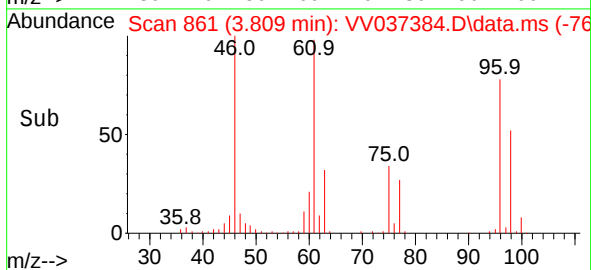
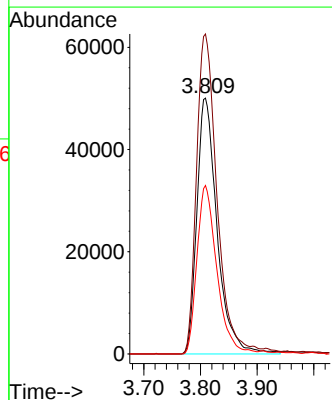
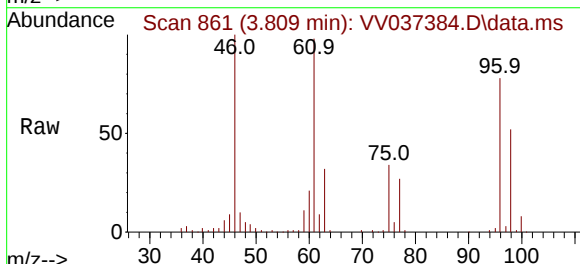
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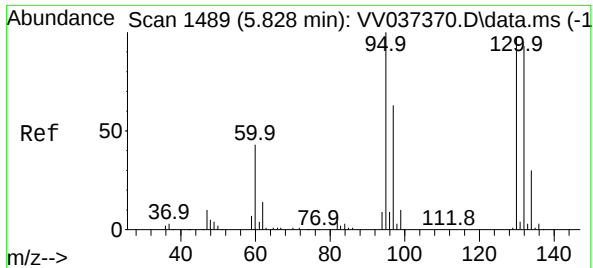
Tgt Ion: 63 Resp: 25517  
Ion Ratio Lower Upper  
63 100  
65 31.9 22.5 41.7  
83 13.4 8.9 16.5



#22  
cis-1,2-Dichloroethene  
Concen: 5.153 ug/L  
RT: 3.809 min Scan# 861  
Delta R.T. 0.003 min  
Lab File: VV037384.D  
Acq: 19 Sep 2024 15:50

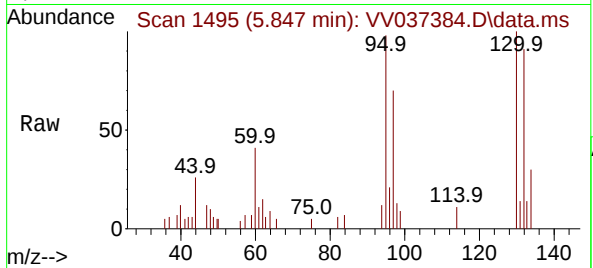
Tgt Ion: 96 Resp: 124532  
Ion Ratio Lower Upper  
96 100  
61 125.1 87.6 162.6  
98 65.9 44.9 83.5





#34  
 Trichloroethene  
 Concen: 0.244 ug/L  
 RT: 5.847 min Scan# 14  
 Delta R.T. 0.019 min  
 Lab File: VV037384.D  
 Acq: 19 Sep 2024 15:50

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BH8N2



|             |             |
|-------------|-------------|
| Tgt Ion: 95 | Resp: 6244  |
| Ion Ratio   | Lower Upper |
| 95 100      |             |
| 97 70.7     | 46.5 86.5   |
| 132 92.2    | 65.5 121.7  |
| 130 101.7   | 71.3 132.3  |

