

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\DATA\VV112224\  
 Data File : VV038270.D  
 Acq On : 22 Nov 2024 15:06  
 Operator : SY/MD  
 Sample : P4884-11  
 Misc : 25mL/MSVOA\_V/WATER  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BG3N5

Quant Time: Nov 23 00:02:28 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR111924WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Fri Nov 22 23:57:44 2024  
 Response via : Initial Calibration

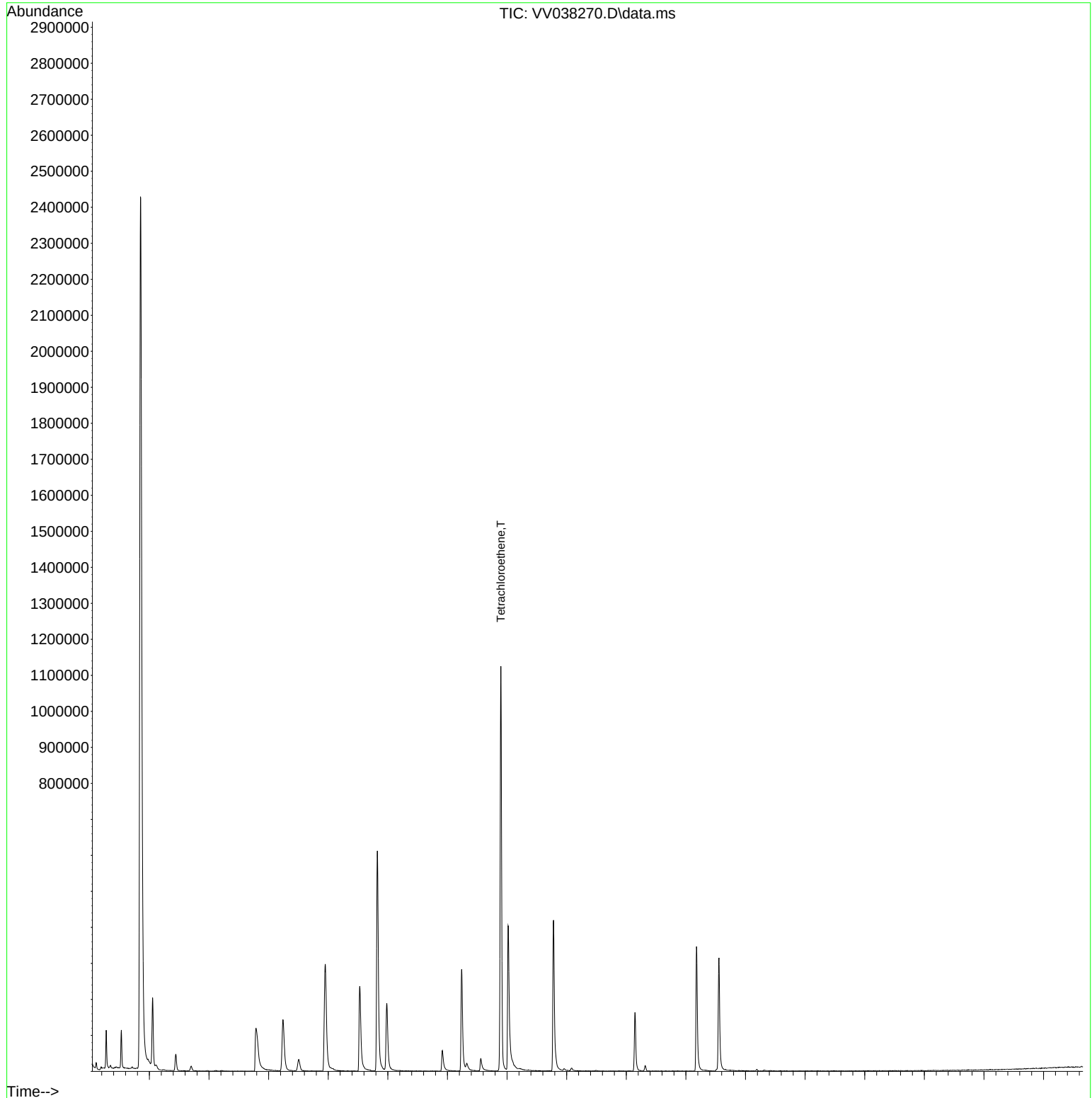
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.529  | 114   | 225527   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.779  | 117   | 246819   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.178 | 152   | 99457    | 5.000    | ug/L   | 0.00     |
|                               |        |       |          |          |        |          |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.275  | 65    | 68690    | 3.974    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 79.400%  |
| 7) Chloroethane-d5            | 1.529  | 69    | 66806    | 4.778    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 95.600%  |
| 11) 1,1-Dichloroethene-d2     | 2.053  | 65    | 30216    | 4.062    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 81.200%  |
| 20) 2-Butanone-d5             | 3.786  | 46    | 188692   | 54.566   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 109.140% |
| 24) Chloroform-d              | 4.239  | 84    | 162884   | 4.855    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 97.200%  |
| 26) 1,2-Dichloroethane-d4     | 4.937  | 65    | 83790    | 5.566    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 111.400% |
| 32) Benzene-d6                | 4.953  | 84    | 276476   | 4.334    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 86.600%  |
| 36) 1,2-Dichloropropane-d6    | 5.982  | 67    | 98267    | 5.006    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 100.200% |
| 41) Toluene-d8                | 7.239  | 98    | 209677   | 3.552    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 71.000%  |
| 43) trans-1,3-Dichloroprop... | 7.558  | 79    | 26730    | 3.663    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 73.200%  |
| 46) 2-Hexanone-d5             | 8.017  | 63    | 146131   | 51.511   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 103.020% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.146 | 84    | 84695    | 5.083    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 101.600% |
| 66) 1,2-Dichlorobenzene-d4    | 11.554 | 152   | 85952    | 5.072    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 101.400% |
|                               |        |       |          |          |        |          |
| Target Compounds              |        |       |          |          |        |          |
| 16) Methylene chloride        | 2.442  | 84    | 20379    | 1.109    | ug/L   | 94       |
| 17) Methyl tert-butyl Ether   | 2.699  | 73    | 9995     | 0.274    | ug/L # | 90       |
| 22) cis-1,2-Dichloroethene    | 3.809  | 96    | 21325    | 1.215    | ug/L   | 82       |
| 29) 1,1,1-Trichloroethane     | 4.506  | 97    | 27607    | 0.933    | ug/L   | 97       |
| 34) Trichloroethene           | 5.825  | 95    | 231310   | 12.239   | ug/L   | 98       |
| 42) Toluene                   | 7.326  | 91    | 17058    | 0.232    | ug/L   | 97       |
| 47) Tetrachloroethene         | 7.895  | 164   | 250298   | 16.481   | ug/L   | 99       |
| 51) Chlorobenzene             | 8.815  | 112   | 16026    | 0.317    | ug/L   | 94       |
| -----                         |        |       |          |          |        |          |

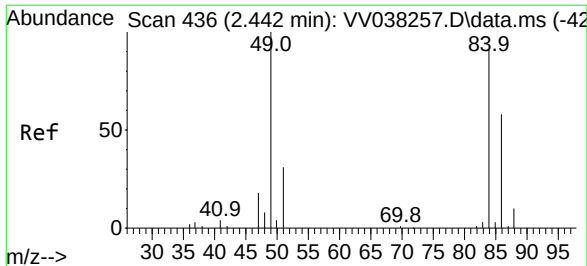
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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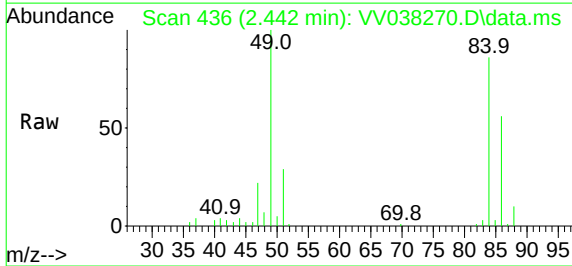
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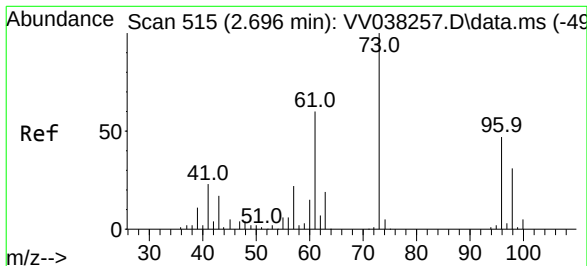
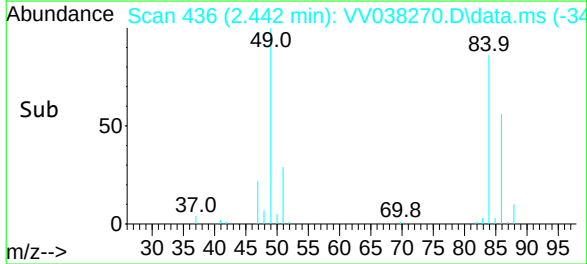
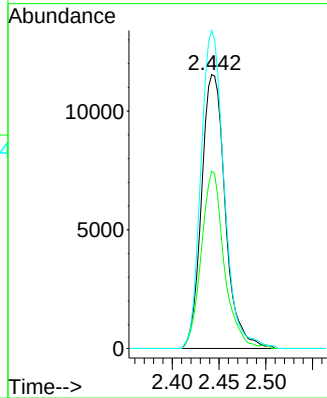


#16  
Methylene chloride  
Concen: 1.109 ug/L  
RT: 2.442 min Scan# 436  
Delta R.T. -0.000 min  
Lab File: VV038270.D  
Acq: 22 Nov 2024 15:06

Instrument :  
MSVOA\_V  
ClientSampleId :  
BG3N5

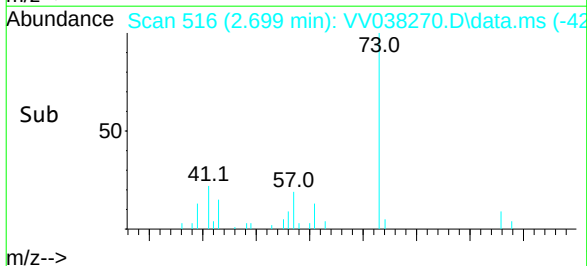
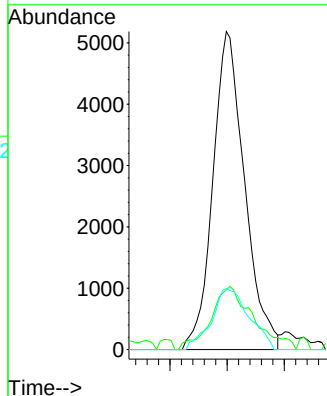
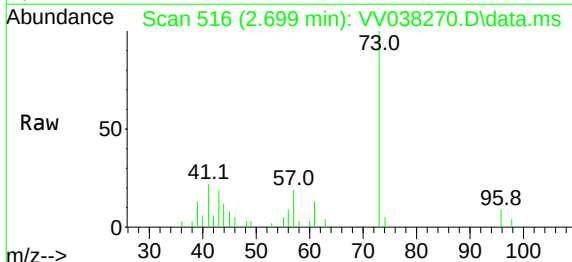


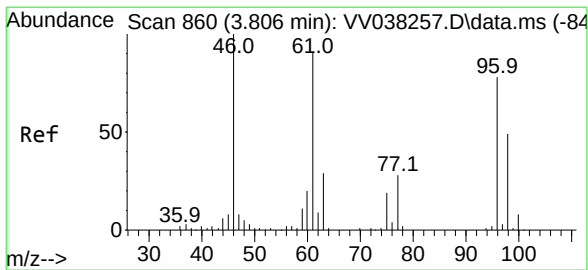
Tgt Ion: 84 Resp: 20379  
Ion Ratio Lower Upper  
84 100  
86 64.7 44.2 82.2  
49 116.1 74.9 139.1



#17  
Methyl tert-butyl Ether  
Concen: 0.274 ug/L  
RT: 2.699 min Scan# 516  
Delta R.T. 0.003 min  
Lab File: VV038270.D  
Acq: 22 Nov 2024 15:06

Tgt Ion: 73 Resp: 9995  
Ion Ratio Lower Upper  
73 100  
43 26.5 14.2 21.2#  
57 22.8 17.6 26.4





#22

cis-1,2-Dichloroethene

Concen: 1.215 ug/L

RT: 3.809 min Scan# 860

Delta R.T. 0.003 min

Lab File: VV038270.D

Acq: 22 Nov 2024 15:06

Instrument :

MSVOA\_V

ClientSampleId :

BG3N5

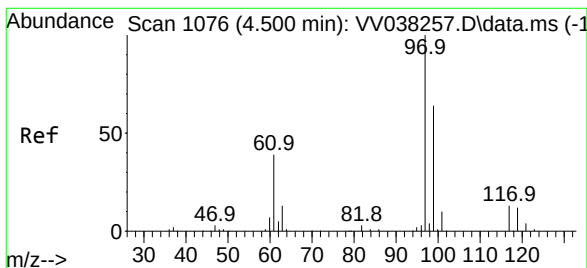
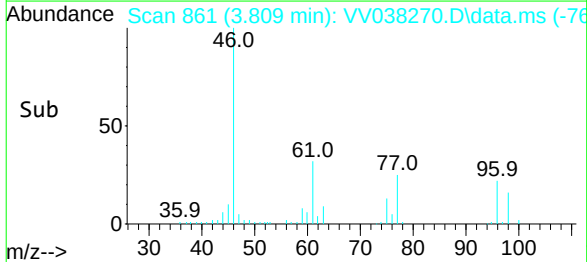
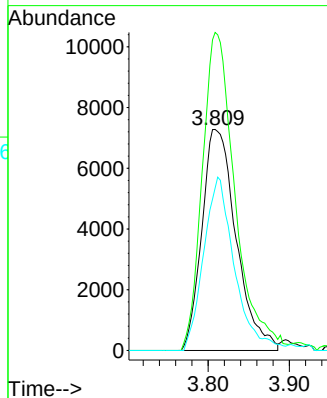
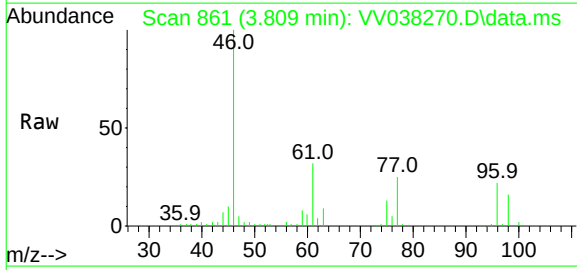
Tgt Ion: 96 Resp: 21325

Ion Ratio Lower Upper

96 100

61 143.9 82.7 153.5

98 73.5 46.3 85.9



#29

1,1,1-Trichloroethane

Concen: 0.933 ug/L

RT: 4.506 min Scan# 1078

Delta R.T. 0.006 min

Lab File: VV038270.D

Acq: 22 Nov 2024 15:06

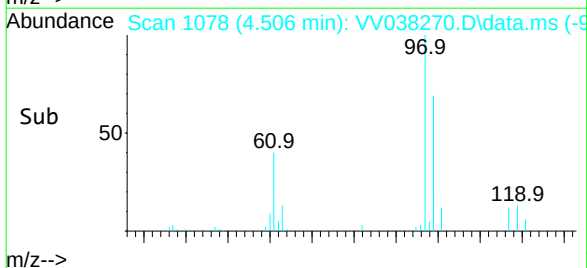
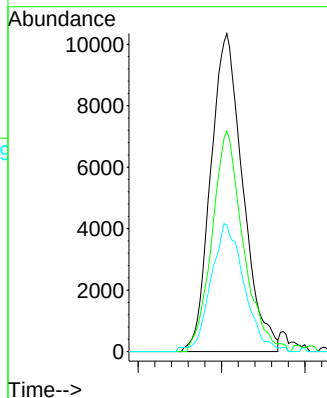
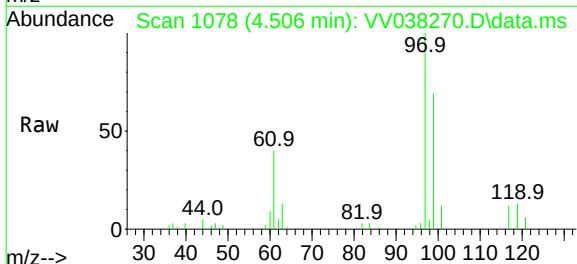
Tgt Ion: 97 Resp: 27607

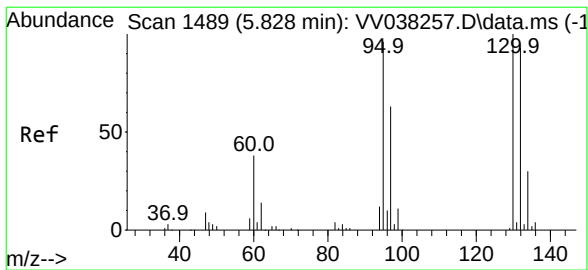
Ion Ratio Lower Upper

97 100

99 67.2 51.8 77.8

61 41.2 32.2 48.2





#34

Trichloroethene

Concen: 12.239 ug/L

RT: 5.825 min Scan# 14

Delta R.T. -0.003 min

Lab File: VV038270.D

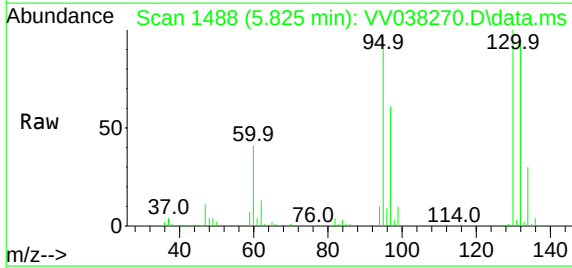
Acq: 22 Nov 2024 15:06

Instrument :

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ClientSampleId :

BG3N5



Tgt Ion: 95 Resp: 231310

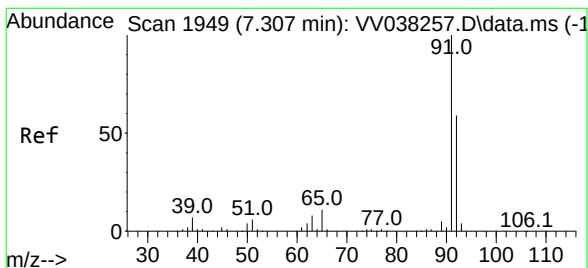
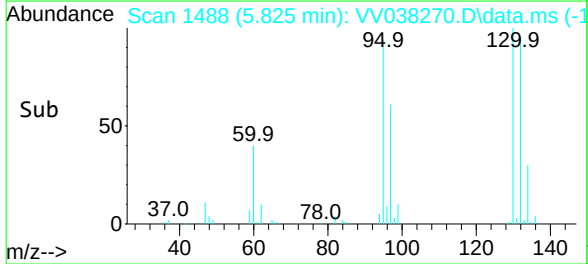
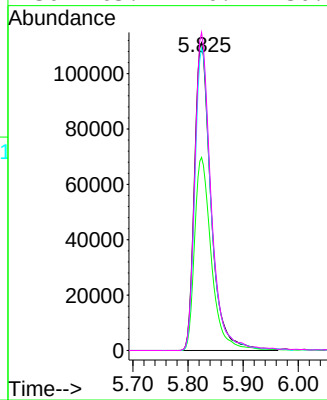
Ion Ratio Lower Upper

95 100

97 62.7 44.8 83.2

132 98.3 68.3 126.8

130 103.4 70.2 130.4



#42

Toluene

Concen: 0.232 ug/L

RT: 7.326 min Scan# 1955

Delta R.T. 0.019 min

Lab File: VV038270.D

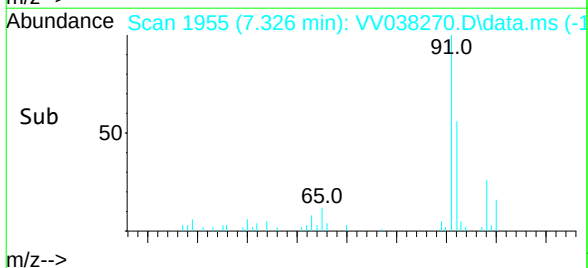
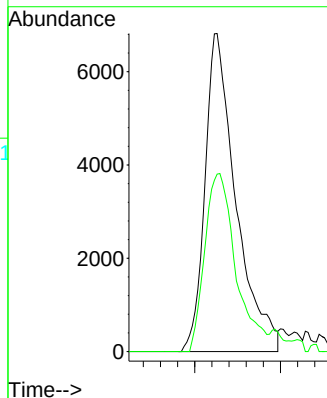
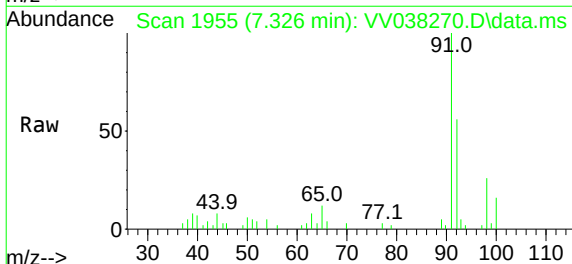
Acq: 22 Nov 2024 15:06

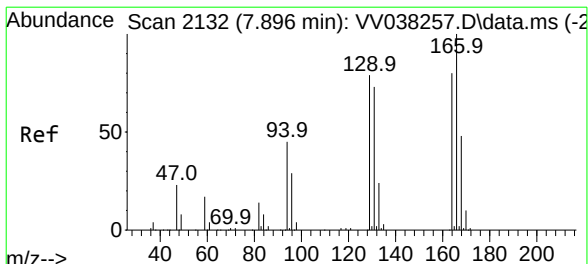
Tgt Ion: 91 Resp: 17058

Ion Ratio Lower Upper

91 100

92 55.8 40.8 75.8



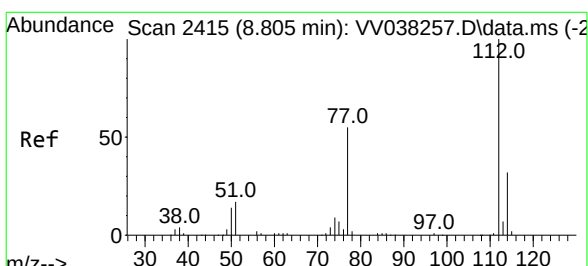
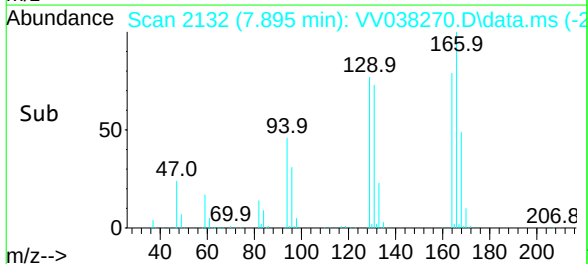
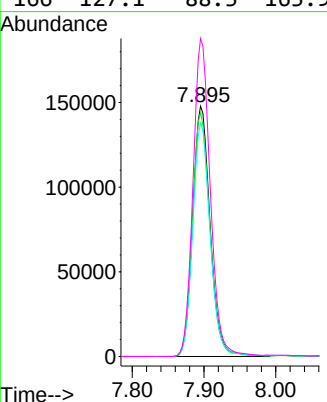
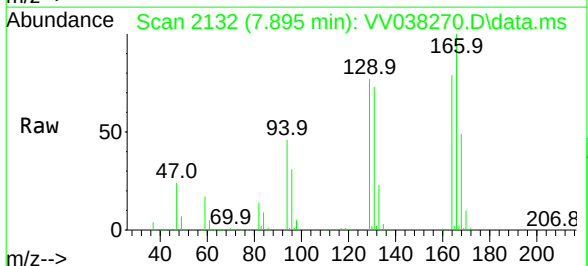


#47  
 Tetrachloroethene  
 Concen: 16.481 ug/L  
 RT: 7.895 min Scan# 2132  
 Delta R.T. -0.000 min  
 Lab File: VV038270.D  
 Acq: 22 Nov 2024 15:06

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
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Tgt Ion:164 Resp: 250298

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 129 | 97.4  | 68.5  | 127.1 |
| 131 | 93.3  | 64.8  | 120.4 |
| 166 | 127.1 | 88.3  | 163.9 |



#51  
 Chlorobenzene  
 Concen: 0.317 ug/L  
 RT: 8.815 min Scan# 2418  
 Delta R.T. 0.009 min  
 Lab File: VV038270.D  
 Acq: 22 Nov 2024 15:06

Tgt Ion:112 Resp: 16026

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 112 | 100   |       |       |
| 114 | 30.3  | 22.0  | 40.8  |
| 77  | 50.2  | 45.0  | 67.4  |

