

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW111822\  
 Data File : VW029111.D  
 Acq On : 18 Nov 2022 12:23  
 Operator : SY/MD  
 Sample : N5648-02  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 H46C6

Quant Time: Nov 18 23:33:29 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR111122WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Fri Nov 18 04:35:43 2022  
 Response via : Initial Calibration

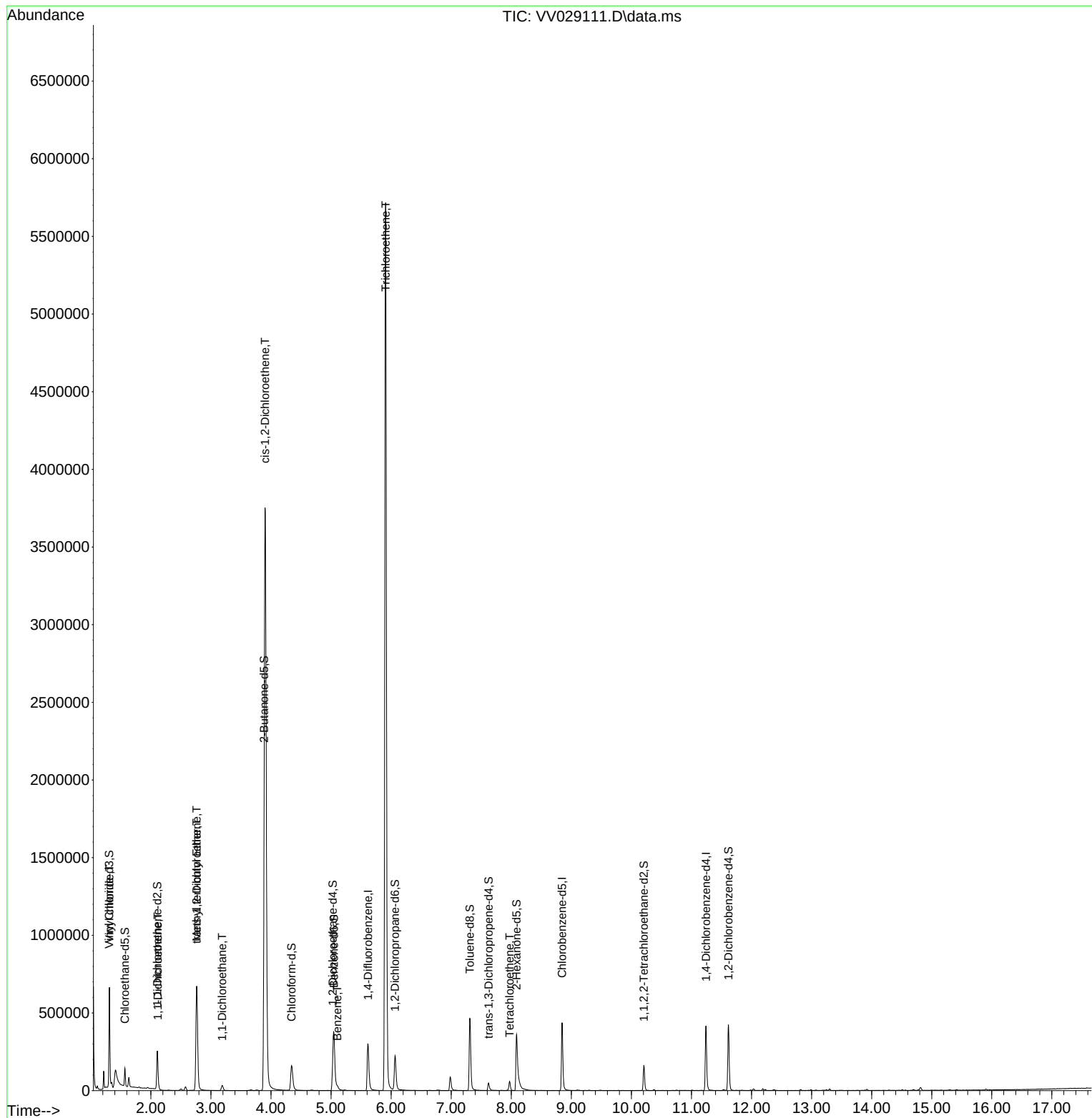
| Compound                      | R.T. QIon |                | Response | Conc        | Units  | Dev(Min) |
|-------------------------------|-----------|----------------|----------|-------------|--------|----------|
| Internal Standards            |           |                |          |             |        |          |
| 1) 1,4-Difluorobenzene        | 5.616     | 114            | 280920   | 5.000       | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.847     | 117            | 256404   | 5.000       | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.243    | 152            | 116658   | 5.000       | ug/L   | 0.00     |
| System Monitoring Compounds   |           |                |          |             |        |          |
| 4) Vinyl Chloride-d3          | 1.307     | 65             | 93053    | 5.433       | ug/L   | 0.00     |
| Spiked Amount                 | 5.000     | Range 40 - 130 | Recovery | = 108.600%  |        |          |
| 7) Chloroethane-d5            | 1.568     | 69             | 73937    | 4.911       | ug/L   | 0.00     |
| Spiked Amount                 | 5.000     | Range 65 - 130 | Recovery | = 98.200%   |        |          |
| 11) 1,1-Dichloroethene-d2     | 2.108     | 63             | 123383   | 3.953       | ug/L   | 0.00     |
| Spiked Amount                 | 5.000     | Range 60 - 125 | Recovery | = 79.000%   |        |          |
| 20) 2-Butanone-d5             | 3.886     | 46             | 214311   | 74.755      | ug/L   | -0.02    |
| Spiked Amount                 | 50.000    | Range 40 - 130 | Recovery | = 149.500%# |        |          |
| 24) Chloroform-d              | 4.343     | 84             | 174339   | 4.958       | ug/L   | 0.00     |
| Spiked Amount                 | 5.000     | Range 70 - 125 | Recovery | = 99.200%   |        |          |
| 26) 1,2-Dichloroethane-d4     | 5.031     | 65             | 83831    | 5.299       | ug/L   | 0.00     |
| Spiked Amount                 | 5.000     | Range 70 - 130 | Recovery | = 106.000%  |        |          |
| 32) Benzene-d6                | 5.047     | 84             | 365237   | 4.772       | ug/L   | 0.00     |
| Spiked Amount                 | 5.000     | Range 70 - 125 | Recovery | = 95.400%   |        |          |
| 36) 1,2-Dichloropropane-d6    | 6.066     | 67             | 114649   | 5.365       | ug/L   | 0.00     |
| Spiked Amount                 | 5.000     | Range 60 - 140 | Recovery | = 107.200%  |        |          |
| 41) Toluene-d8                | 7.310     | 98             | 330203   | 4.793       | ug/L   | 0.00     |
| Spiked Amount                 | 5.000     | Range 70 - 130 | Recovery | = 95.800%   |        |          |
| 43) trans-1,3-Dichloroprop... | 7.622     | 79             | 31794    | 4.561       | ug/L   | 0.00     |
| Spiked Amount                 | 5.000     | Range 55 - 130 | Recovery | = 91.200%   |        |          |
| 46) 2-Hexanone-d5             | 8.088     | 63             | 152147   | 51.139      | ug/L   | 0.00     |
| Spiked Amount                 | 50.000    | Range 45 - 130 | Recovery | = 102.280%  |        |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.207    | 84             | 81271    | 5.485       | ug/L   | 0.00     |
| Spiked Amount                 | 5.000     | Range 65 - 120 | Recovery | = 109.800%  |        |          |
| 66) 1,2-Dichlorobenzene-d4    | 11.616    | 152            | 117879   | 5.648       | ug/L   | 0.00     |
| Spiked Amount                 | 5.000     | Range 80 - 120 | Recovery | = 113.000%  |        |          |
| Target Compounds              |           |                |          |             |        | Qvalue   |
| 5) Vinyl chloride             | 1.311     | 62             | 268917   | 12.130      | ug/L   | 94       |
| 12) 1,1-Dichloroethene        | 2.118     | 96             | 7126     | 0.419       | ug/L # | 1        |
| 17) Methyl tert-butyl Ether   | 2.764     | 73             | 582036   | 15.964      | ug/L   | 98       |
| 18) trans-1,2-Dichloroethene  | 2.761     | 96             | 55505    | 2.814       | ug/L   | 99       |
| 19) 1,1-Dichloroethane        | 3.188     | 63             | 33770    | 1.047       | ug/L   | 99       |
| 22) cis-1,2-Dichloroethene    | 3.902     | 96             | 2163003  | 107.871     | ug/L   | 97       |
| 33) Benzene                   | 5.101     | 78             | 28227    | 0.360       | ug/L   | 100      |
| 34) Trichloroethene           | 5.908     | 95             | 2012530  | 100.330     | ug/L   | 98       |
| 47) Tetrachloroethene         | 7.973     | 164            | 14330    | 0.892       | ug/L   | 96       |

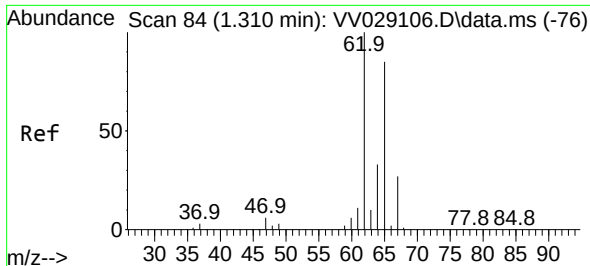
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SFAM1.0  
QLast Update : Fri Nov 18 04:35:43 2022  
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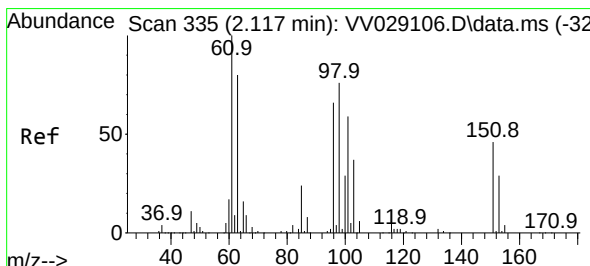
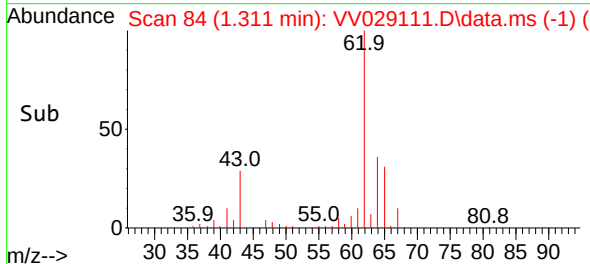
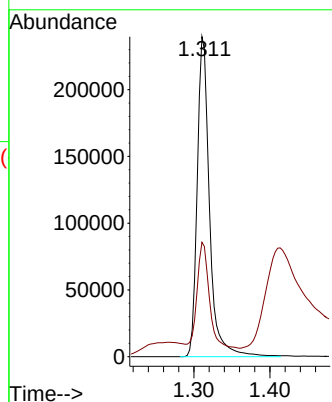
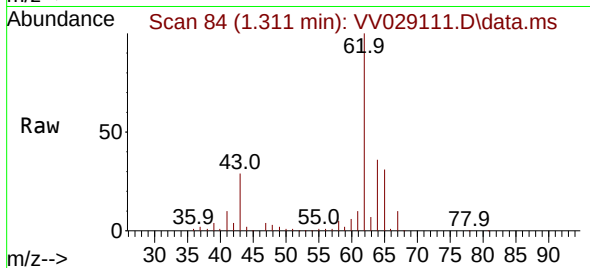




#5  
 Vinyl chloride  
 Concen: 12.130 ug/L  
 RT: 1.311 min Scan# 84  
 Delta R.T. -0.000 min  
 Lab File: VV029111.D  
 Acq: 18 Nov 2022 12:23

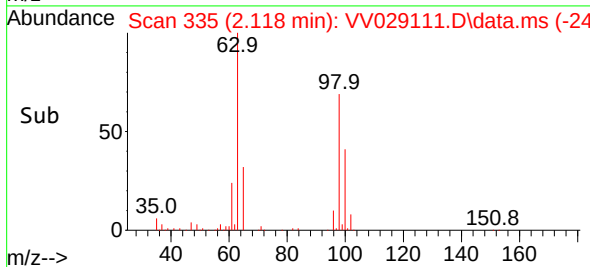
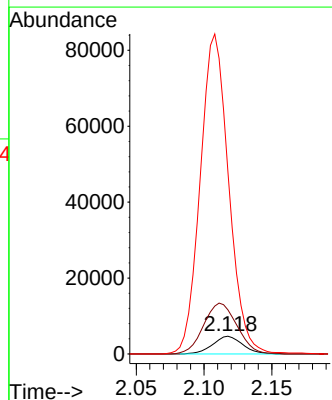
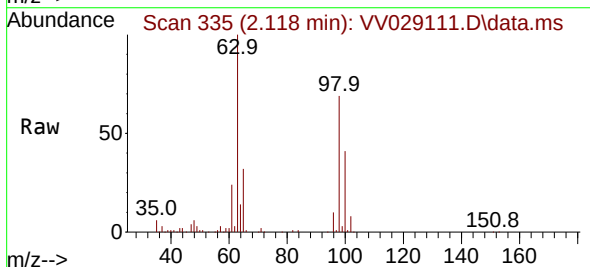
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 H46C6

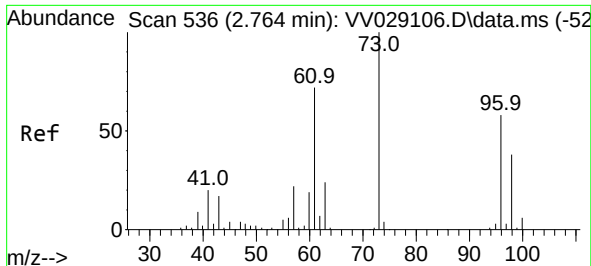
Tgt Ion: 62 Resp: 268917  
 Ion Ratio Lower Upper  
 62 100  
 64 35.8 22.8 42.4



#12  
 1,1-Dichloroethene  
 Concen: 0.419 ug/L  
 RT: 2.118 min Scan# 335  
 Delta R.T. -0.003 min  
 Lab File: VV029111.D  
 Acq: 18 Nov 2022 12:23

Tgt Ion: 96 Resp: 7126  
 Ion Ratio Lower Upper  
 96 100  
 61 249.0 104.2 193.4#  
 63 1031.4 75.9 140.9#

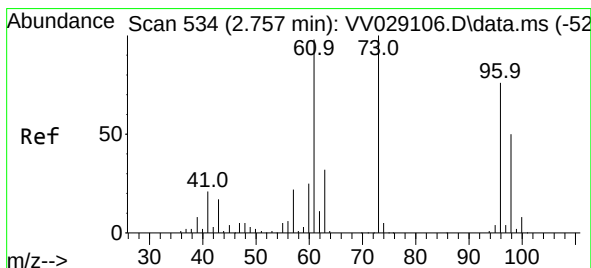
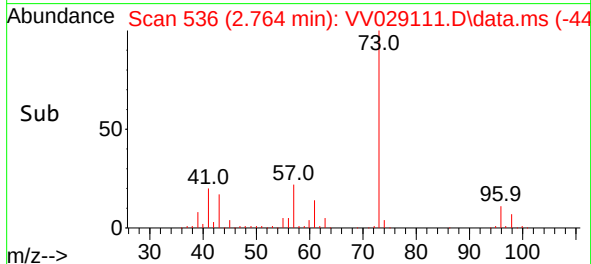
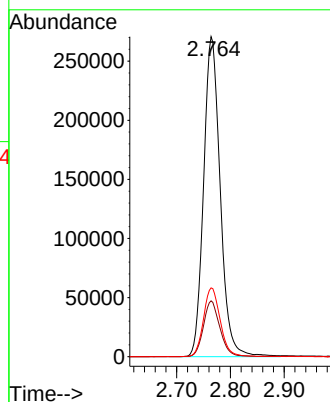
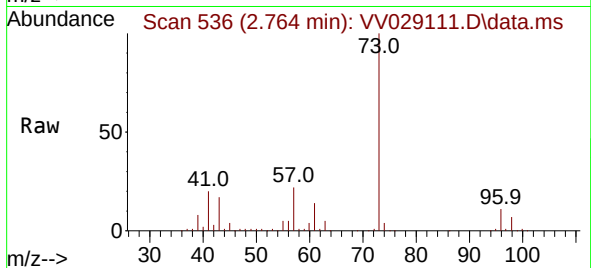




#17  
Methyl tert-butyl Ether  
Concen: 15.964 ug/L  
RT: 2.764 min Scan# 51  
Delta R.T. -0.003 min  
Lab File: VV029111.D  
Acq: 18 Nov 2022 12:23

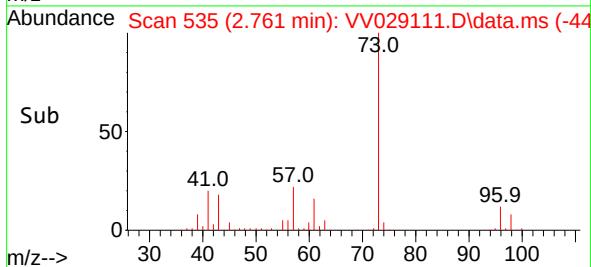
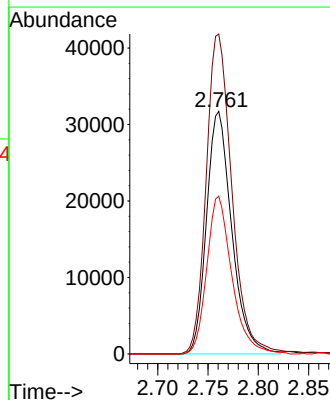
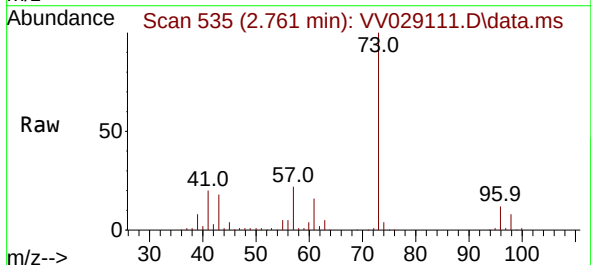
Instrument :  
MSVOA\_V  
ClientSampleId :  
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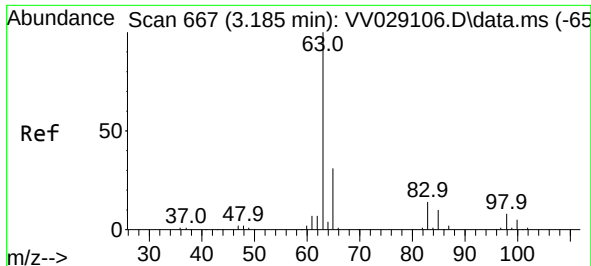
Tgt Ion: 73 Resp: 582036  
Ion Ratio Lower Upper  
73 100  
43 17.1 13.0 19.4  
57 21.7 16.6 24.8



#18  
trans-1,2-Dichloroethene  
Concen: 2.814 ug/L  
RT: 2.761 min Scan# 535  
Delta R.T. -0.000 min  
Lab File: VV029111.D  
Acq: 18 Nov 2022 12:23

Tgt Ion: 96 Resp: 55505  
Ion Ratio Lower Upper  
96 100  
61 131.9 91.8 170.6  
98 65.0 46.4 86.2





#19

1,1-Dichloroethane

Concen: 1.047 ug/L

RT: 3.188 min Scan# 6

Delta R.T. -0.000 min

Lab File: VV029111.D

Acq: 18 Nov 2022 12:23

Instrument :

MSVOA\_V

ClientSampleId :

H46C6

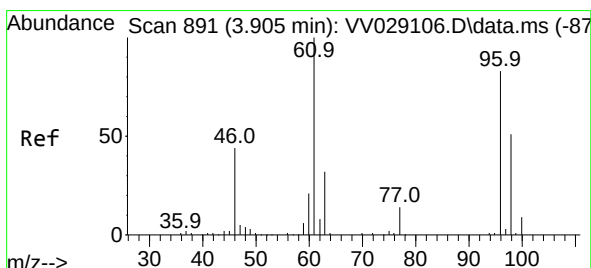
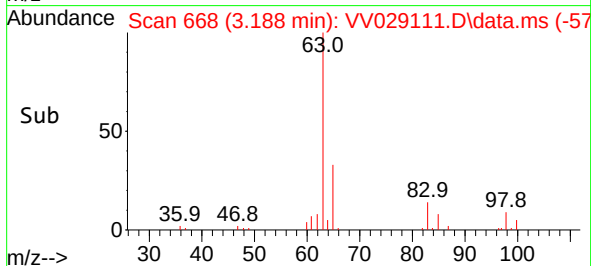
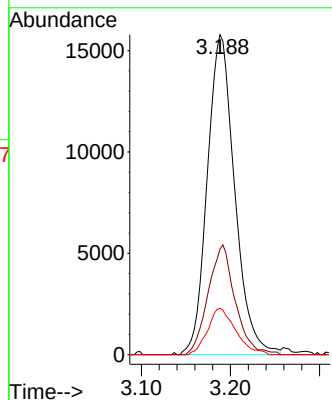
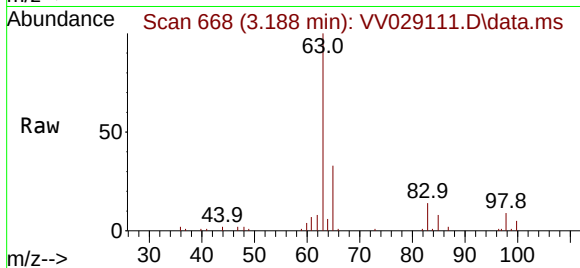
Tgt Ion: 63 Resp: 33770

Ion Ratio Lower Upper

63 100

65 33.0 23.0 42.6

83 14.5 9.4 17.6



#22

cis-1,2-Dichloroethene

Concen: 107.871 ug/L

RT: 3.902 min Scan# 890

Delta R.T. -0.010 min

Lab File: VV029111.D

Acq: 18 Nov 2022 12:23

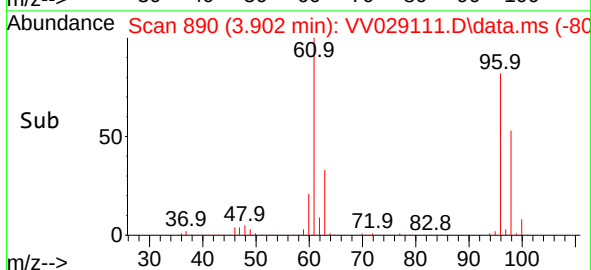
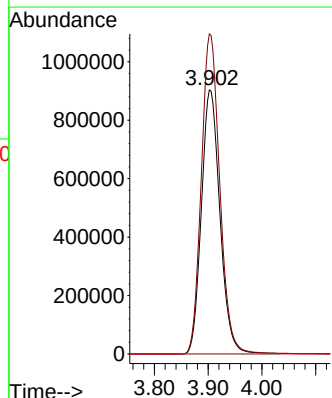
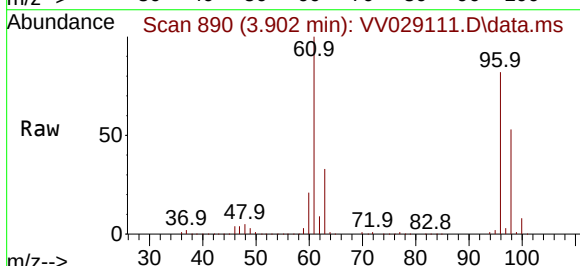
Tgt Ion: 96 Resp: 2163003

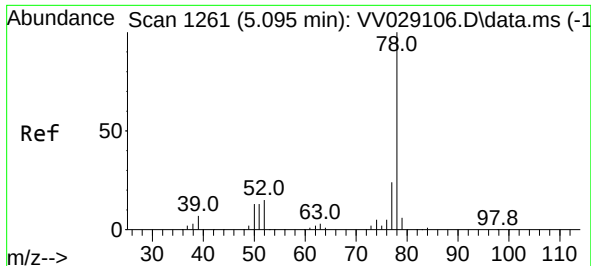
Ion Ratio Lower Upper

96 100

61 121.2 82.3 152.9

68 0.0 0.0 0.0

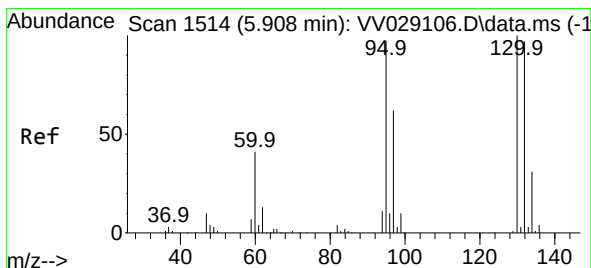
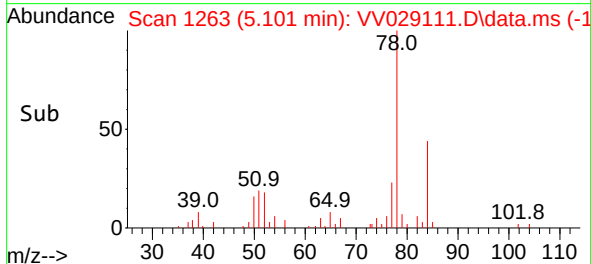
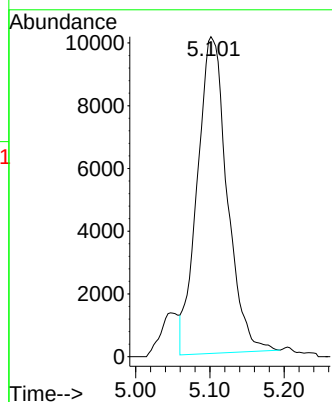
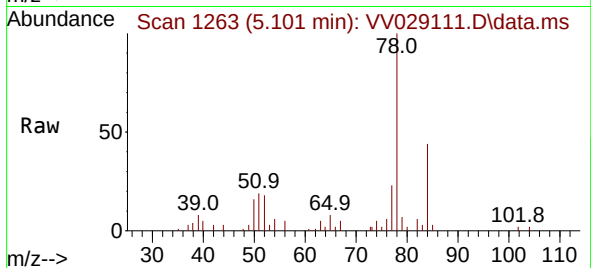




#33  
Benzene  
Concen: 0.360 ug/L  
RT: 5.101 min Scan# 1263  
Delta R.T. 0.003 min  
Lab File: VV029111.D  
Acq: 18 Nov 2022 12:23

Instrument :  
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ClientSampleId :  
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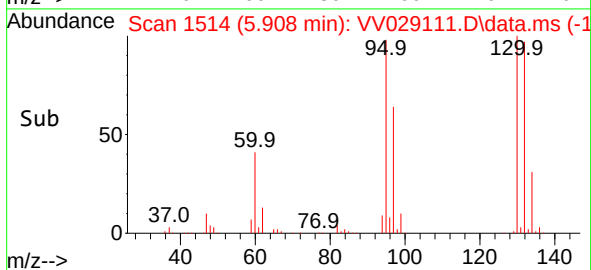
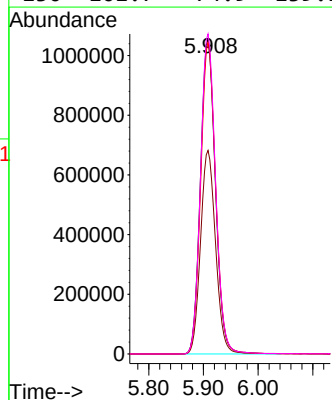
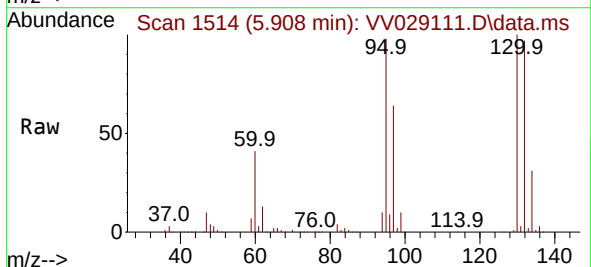
Tgt Ion: 78 Resp: 28227

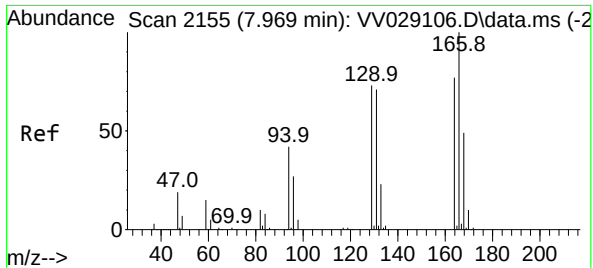


#34  
Trichloroethene  
Concen: 100.330 ug/L  
RT: 5.908 min Scan# 1514  
Delta R.T. -0.006 min  
Lab File: VV029111.D  
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Tgt Ion: 95 Resp: 2012530

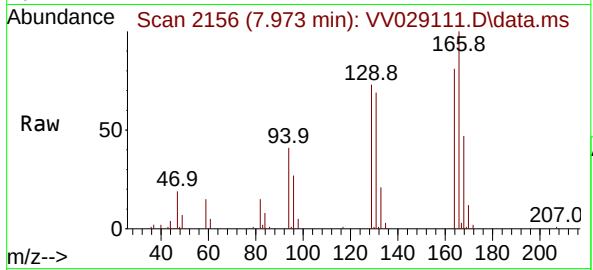
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 97  | 64.7  | 45.6  | 84.8  |
| 132 | 99.1  | 69.1  | 128.3 |
| 130 | 101.7 | 74.9  | 139.1 |





#47  
 Tetrachloroethene  
 Concen: 0.892 ug/L  
 RT: 7.973 min Scan# 21  
 Delta R.T. -0.000 min  
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|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 164   | Resp: | 14330 |
| Ion      | Ratio | Lower | Upper |
| 164      | 100   |       |       |
| 129      | 89.6  | 63.9  | 118.7 |
| 131      | 84.7  | 61.8  | 114.8 |
| 166      | 123.1 | 90.2  | 167.4 |

