

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU112124\  
 Data File : VU061950.D  
 Acq On : 22 Nov 2024 05:20  
 Operator : MD/SY  
 Sample : P4904-09  
 Misc : 25mL/MSVOA\_U/WATER  
 ALS Vial : 45 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BG419

Quant Time: Nov 22 06:05:12 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR112024WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Fri Nov 22 00:07:48 2024  
 Response via : Initial Calibration

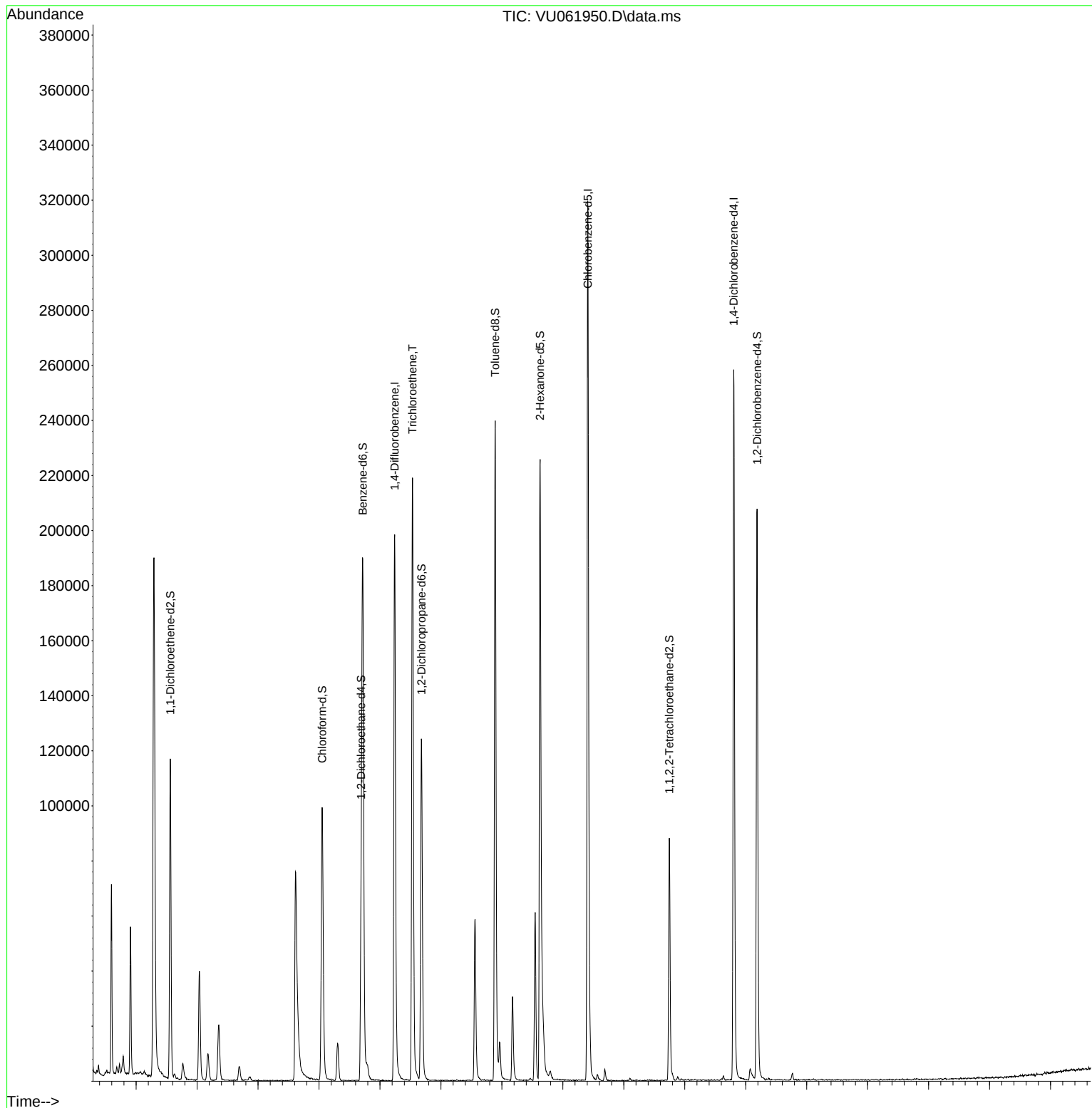
| Compound                      | R.T.   | QIon  | Response | Conc     | Units       | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|-------------|----------|
| -----                         |        |       |          |          |             |          |
| Internal Standards            |        |       |          |          |             |          |
| 1) 1,4-Difluorobenzene        | 6.242  | 114   | 166580   | 5.000    | ug/L        | 0.00     |
| 28) Chlorobenzene-d5          | 9.409  | 117   | 181657   | 5.000    | ug/L        | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.804 | 152   | 72250    | 5.000    | ug/L        | 0.00     |
|                               |        |       |          |          |             |          |
| System Monitoring Compounds   |        |       |          |          |             |          |
| 4) Vinyl Chloride-d3          | 1.595  | 65    | 46966    | 5.748    | ug/L        | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | = 115.000%  |          |
| 7) Chloroethane-d5            | 1.907  | 69    | 38824    | 5.371    | ug/L        | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | = 107.400%  |          |
| 11) 1,1-Dichloroethene-d2     | 2.560  | 65    | 22128    | 6.778    | ug/L        | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | = 135.600%# |          |
| 20) 2-Butanone-d5             | 4.615  | 46    | 107552   | 41.916   | ug/L        | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | = 83.840%   |          |
| 24) Chloroform-d              | 5.052  | 84    | 94914    | 4.761    | ug/L        | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | = 95.200%   |          |
| 26) 1,2-Dichloroethane-d4     | 5.692  | 65    | 49830    | 4.857    | ug/L        | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | = 97.200%   |          |
| 32) Benzene-d6                | 5.717  | 84    | 186460   | 5.268    | ug/L        | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | = 105.400%  |          |
| 36) 1,2-Dichloropropane-d6    | 6.679  | 67    | 61458    | 5.110    | ug/L        | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | = 102.200%  |          |
| 41) Toluene-d8                | 7.891  | 98    | 170411   | 5.773    | ug/L        | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | = 115.400%  |          |
| 43) trans-1,3-Dichloroprop... | 8.174  | 79    | 19757    | 4.438    | ug/L        | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | = 88.800%   |          |
| 46) 2-Hexanone-d5             | 8.624  | 63    | 78733    | 38.744   | ug/L        | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | = 77.480%   |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.746 | 84    | 46296    | 3.852    | ug/L        | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | = 77.000%   |          |
| 66) 1,2-Dichlorobenzene-d4    | 12.187 | 152   | 57118    | 5.346    | ug/L        | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | = 107.000%  |          |
|                               |        |       |          |          |             |          |
| Target Compounds              |        |       |          |          |             | Qvalue   |
| 16) Methylene chloride        | 3.036  | 84    | 20865    | 1.555    | ug/L        | 97       |
| 17) Methyl tert-butyl Ether   | 3.354  | 73    | 22719    | 0.793    | ug/L        | 98       |
| 22) cis-1,2-Dichloroethene    | 4.660  | 96    | 2712     | 0.204    | ug/L        | 84       |
| 29) 1,1,1-Trichloroethane     | 5.306  | 97    | 9954     | 0.475    | ug/L        | 98       |
| 34) Trichloroethene           | 6.534  | 95    | 79369    | 5.421    | ug/L        | 99       |
| 42) Toluene                   | 7.965  | 91    | 11222    | 0.195    | ug/L        | 99       |
| 47) Tetrachloroethene         | 8.544  | 164   | 13602    | 1.277    | ug/L        | 95       |
| 51) Chlorobenzene             | 9.441  | 112   | 5670     | 0.144    | ug/L        | 95       |
| -----                         |        |       |          |          |             |          |

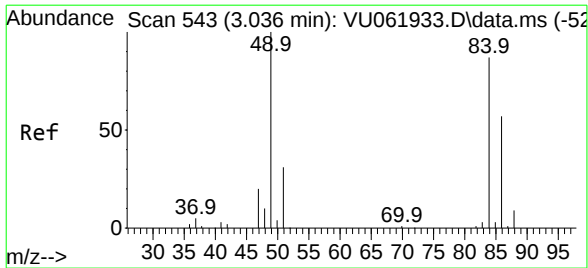
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 45 Sample Multiplier: 1

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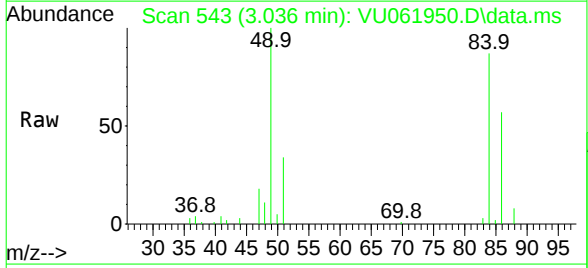
Quant Time: Nov 22 06:05:12 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR112024WMA.M  
Quant Title : TRACE VOA SFAM1.0  
QLast Update : Fri Nov 22 00:07:48 2024  
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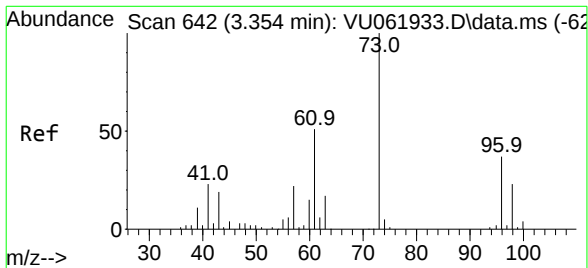
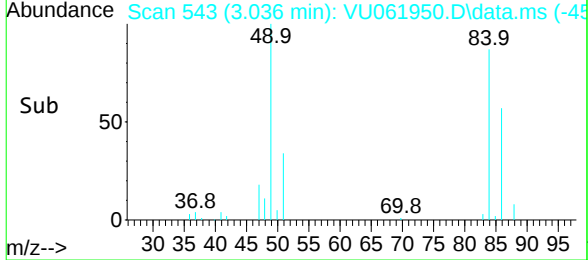
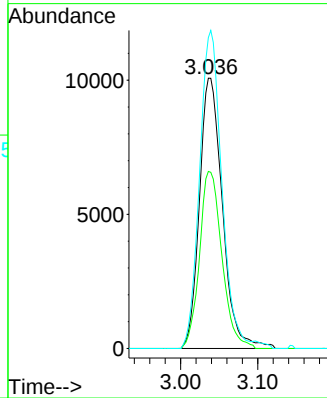


#16  
Methylene chloride  
Concen: 1.555 ug/L  
RT: 3.036 min Scan# 54  
Delta R.T. -0.000 min  
Lab File: VU061950.D  
Acq: 22 Nov 2024 05:20

Instrument :  
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ClientSampleId :  
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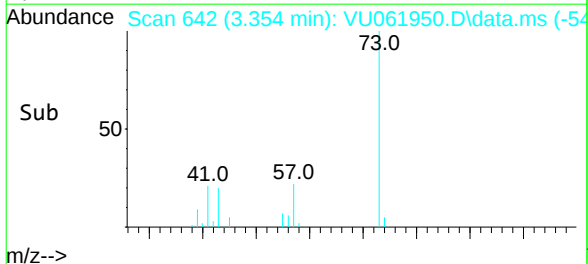
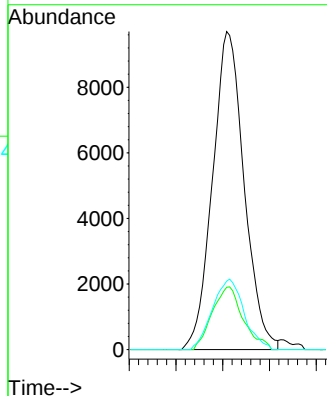
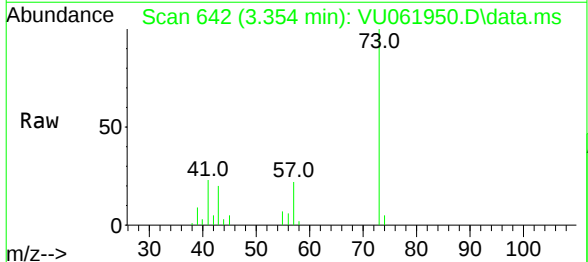


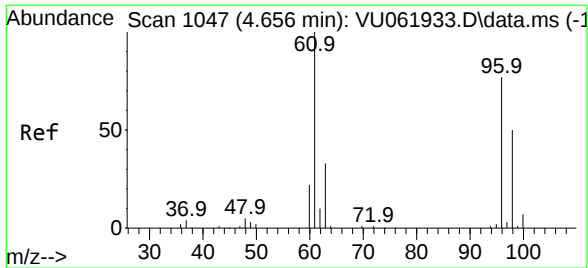
Tgt Ion: 84 Resp: 20865  
Ion Ratio Lower Upper  
84 100  
86 65.5 43.5 80.7  
49 115.0 81.9 152.1



#17  
Methyl tert-butyl Ether  
Concen: 0.793 ug/L  
RT: 3.354 min Scan# 642  
Delta R.T. -0.000 min  
Lab File: VU061950.D  
Acq: 22 Nov 2024 05:20

Tgt Ion: 73 Resp: 22719  
Ion Ratio Lower Upper  
73 100  
43 19.4 16.3 24.5  
57 22.2 17.1 25.7

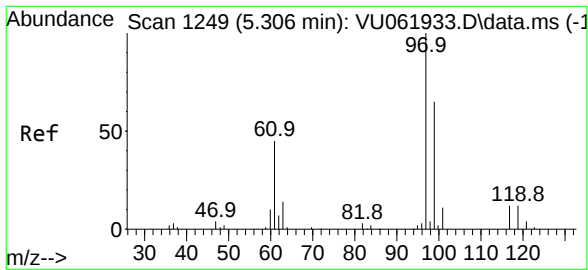
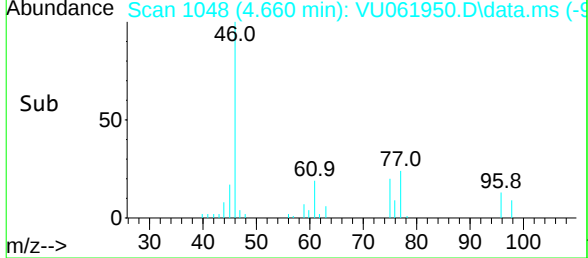
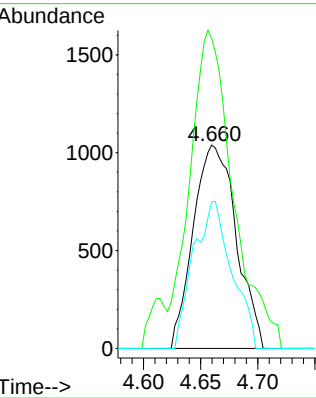
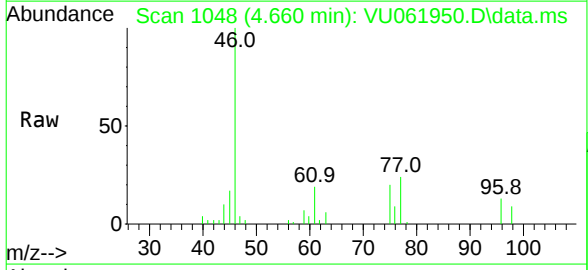




#22  
 cis-1,2-Dichloroethene  
 Concen: 0.204 ug/L  
 RT: 4.660 min Scan# 1048  
 Delta R.T. 0.003 min  
 Lab File: VU061950.D  
 Acq: 22 Nov 2024 05:20

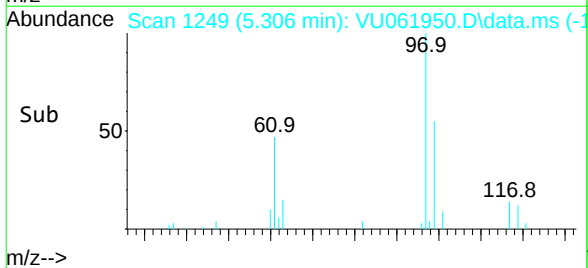
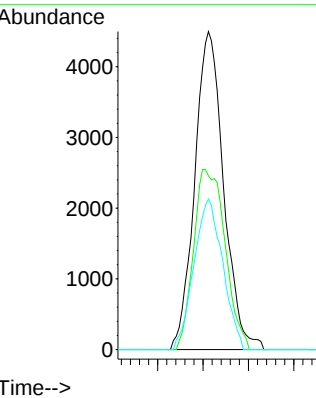
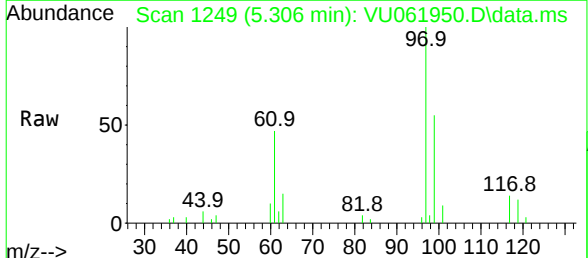
Instrument :  
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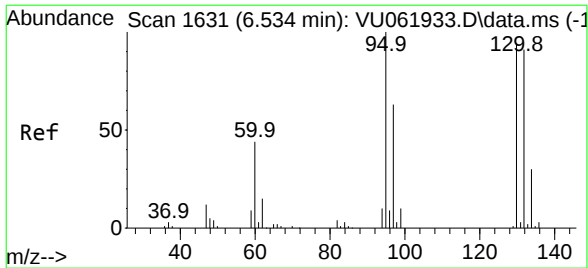
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 96    | Resp: | 2712  |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 152.4 | 92.0  | 170.8 |
| 98       | 72.1  | 44.5  | 82.7  |



#29  
 1,1,1-Trichloroethane  
 Concen: 0.475 ug/L  
 RT: 5.306 min Scan# 1249  
 Delta R.T. -0.000 min  
 Lab File: VU061950.D  
 Acq: 22 Nov 2024 05:20

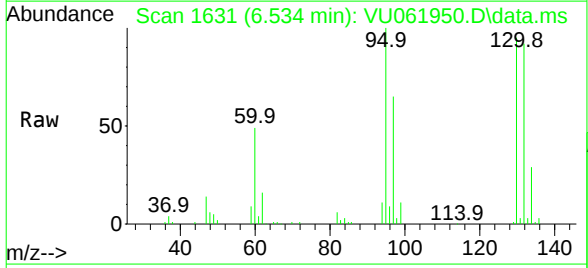
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 9954  |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 99       | 61.6  | 51.4  | 77.2  |
| 61       | 47.0  | 37.8  | 56.6  |



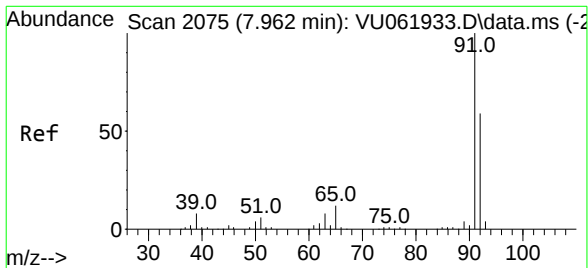
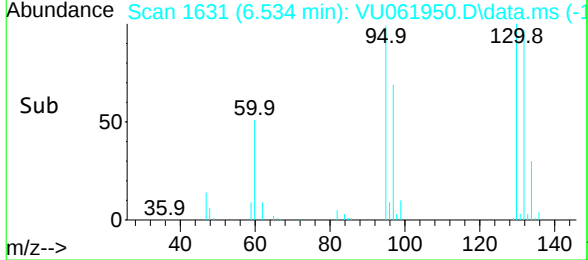
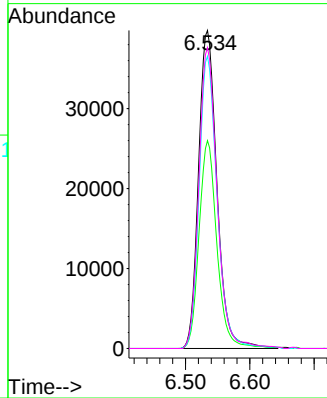


#34  
Trichloroethene  
Concen: 5.421 ug/L  
RT: 6.534 min Scan# 1631  
Delta R.T. -0.000 min  
Lab File: VU061950.D  
Acq: 22 Nov 2024 05:20

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MSVOA\_U  
ClientSampleId :  
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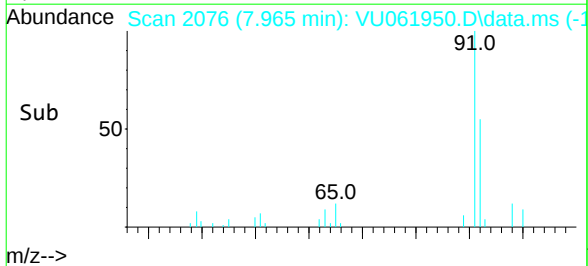
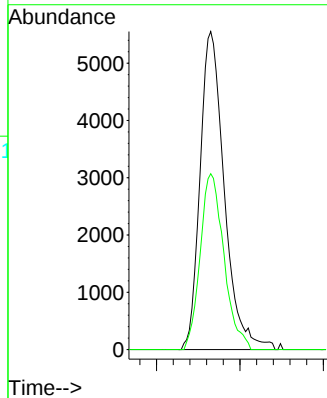
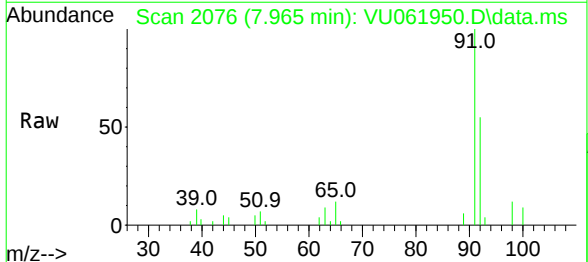


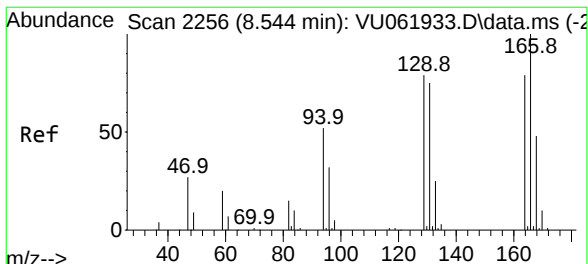
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 95    | Resp: | 79369 |
| Ion      | Ratio | Lower | Upper |
| 95       | 100   |       |       |
| 97       | 65.3  | 45.9  | 85.3  |
| 132      | 91.9  | 63.8  | 118.4 |
| 130      | 94.6  | 65.5  | 121.7 |



#42  
Toluene  
Concen: 0.195 ug/L  
RT: 7.965 min Scan# 2076  
Delta R.T. 0.003 min  
Lab File: VU061950.D  
Acq: 22 Nov 2024 05:20

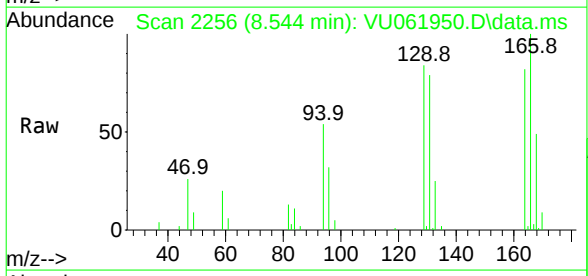
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 91    | Resp: | 11222 |
| Ion      | Ratio | Lower | Upper |
| 91       | 100   |       |       |
| 92       | 55.3  | 39.0  | 72.4  |



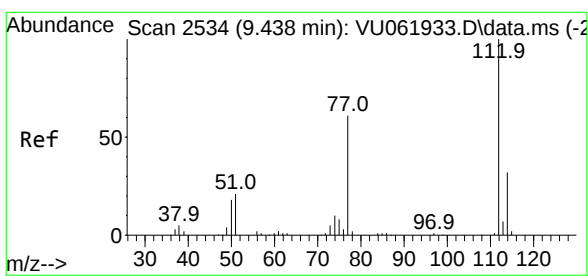
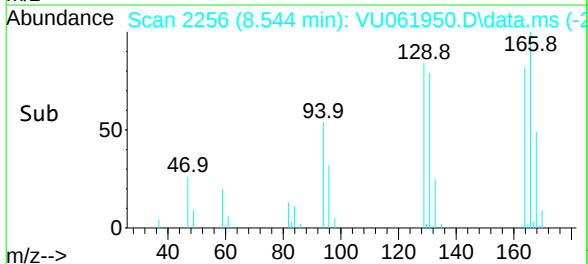
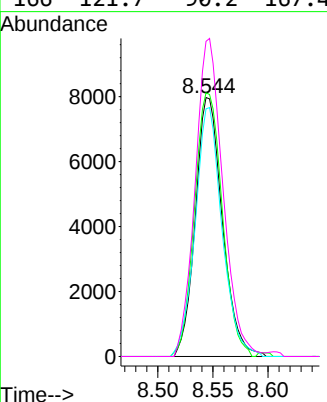


#47  
Tetrachloroethene  
Concen: 1.277 ug/L  
RT: 8.544 min Scan# 2256  
Delta R.T. -0.000 min  
Lab File: VU061950.D  
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|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 164   | Resp: | 13602 |
| Ion      | Ratio | Lower | Upper |
| 164      | 100   |       |       |
| 129      | 101.8 | 73.2  | 136.0 |
| 131      | 95.6  | 72.3  | 134.3 |
| 166      | 121.7 | 90.2  | 167.4 |



#51  
Chlorobenzene  
Concen: 0.144 ug/L  
RT: 9.441 min Scan# 2535  
Delta R.T. 0.003 min  
Lab File: VU061950.D  
Acq: 22 Nov 2024 05:20

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 112   | Resp: | 5670  |
| Ion      | Ratio | Lower | Upper |
| 112      | 100   |       |       |
| 114      | 31.8  | 23.0  | 42.6  |
| 77       | 68.6  | 50.5  | 75.7  |

