

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU112024\  
 Data File : VU061895.D  
 Acq On : 21 Nov 2024 04:28  
 Operator : MD/SY  
 Sample : P4885-04  
 Misc : 25mL/MSVOA\_U/WATER  
 ALS Vial : 45 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BG3P9

Quant Time: Nov 21 07:31:00 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR112024WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Thu Nov 21 03:29:06 2024  
 Response via : Initial Calibration

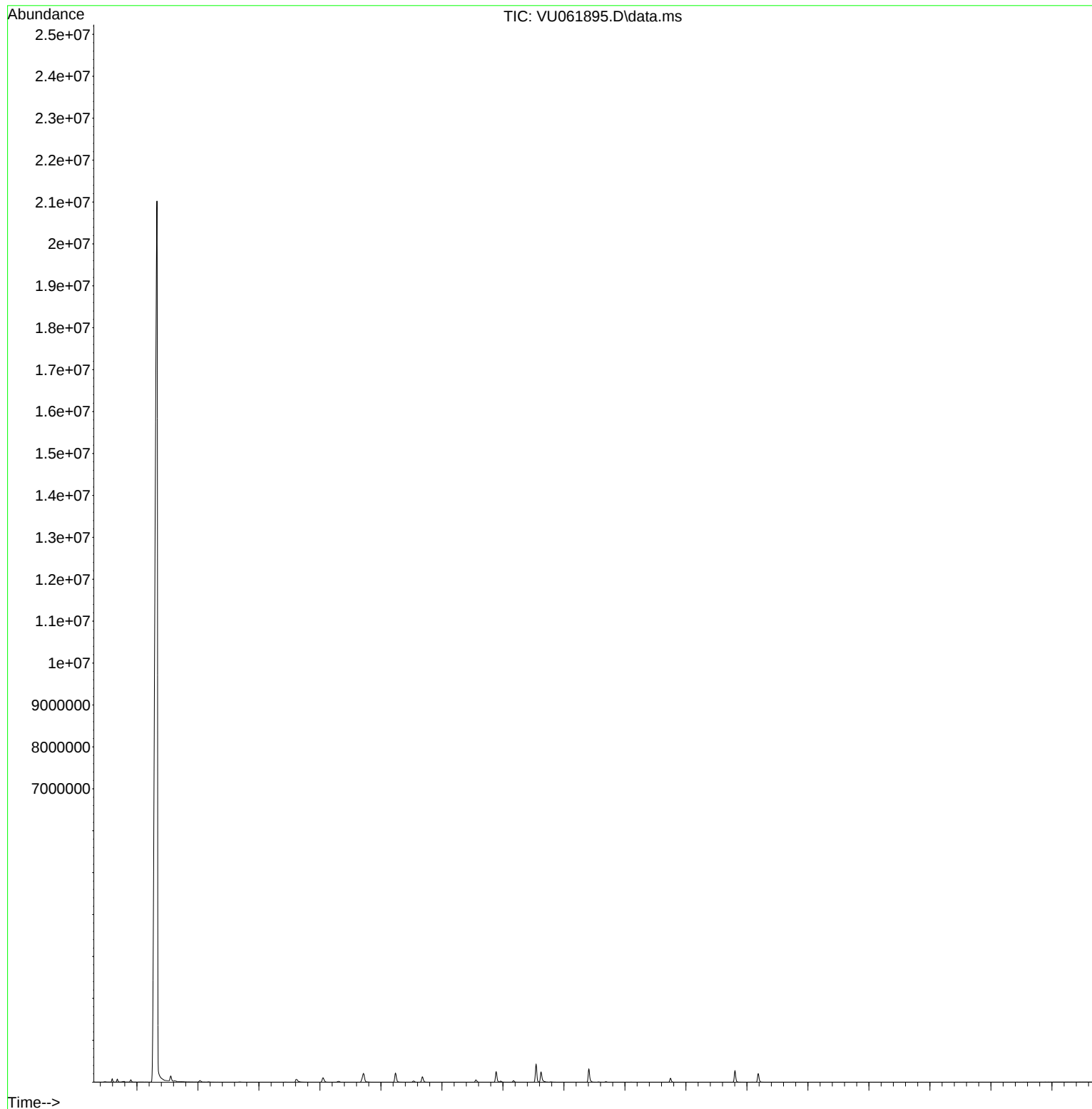
| Compound                      | R.T. QIon |       | Response | Conc     | Units       | Dev(Min) |
|-------------------------------|-----------|-------|----------|----------|-------------|----------|
| -----                         |           |       |          |          |             |          |
| Internal Standards            |           |       |          |          |             |          |
| 1) 1,4-Difluorobenzene        | 6.238     | 114   | 174327   | 5.000    | ug/L        | 0.00     |
| 28) Chlorobenzene-d5          | 9.409     | 117   | 173998   | 5.000    | ug/L        | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.804    | 152   | 71685    | 5.000    | ug/L        | 0.00     |
|                               |           |       |          |          |             |          |
| System Monitoring Compounds   |           |       |          |          |             |          |
| 4) Vinyl Chloride-d3          | 1.595     | 65    | 51859    | 6.065    | ug/L        | 0.00     |
| Spiked Amount                 | 5.000     | Range | 40 - 130 | Recovery | = 121.200%  |          |
| 7) Chloroethane-d5            | 1.901     | 69    | 41598    | 5.499    | ug/L        | 0.00     |
| Spiked Amount                 | 5.000     | Range | 65 - 130 | Recovery | = 110.000%  |          |
| 11) 1,1-Dichloroethene-d2     | 2.554     | 65    | 22646    | 6.629    | ug/L        | 0.00     |
| Spiked Amount                 | 5.000     | Range | 60 - 125 | Recovery | = 132.600%# |          |
| 20) 2-Butanone-d5             | 4.615     | 46    | 108706   | 40.483   | ug/L        | 0.00     |
| Spiked Amount                 | 50.000    | Range | 40 - 130 | Recovery | = 80.960%   |          |
| 24) Chloroform-d              | 5.052     | 84    | 98821    | 4.737    | ug/L        | 0.00     |
| Spiked Amount                 | 5.000     | Range | 70 - 125 | Recovery | = 94.800%   |          |
| 26) 1,2-Dichloroethane-d4     | 5.692     | 65    | 52233    | 4.865    | ug/L        | 0.00     |
| Spiked Amount                 | 5.000     | Range | 70 - 130 | Recovery | = 97.400%   |          |
| 32) Benzene-d6                | 5.714     | 84    | 196444   | 5.795    | ug/L        | 0.00     |
| Spiked Amount                 | 5.000     | Range | 70 - 125 | Recovery | = 115.800%  |          |
| 36) 1,2-Dichloropropane-d6    | 6.679     | 67    | 61506    | 5.339    | ug/L        | 0.00     |
| Spiked Amount                 | 5.000     | Range | 60 - 140 | Recovery | = 106.800%  |          |
| 41) Toluene-d8                | 7.888     | 98    | 169976   | 6.011    | ug/L        | 0.00     |
| Spiked Amount                 | 5.000     | Range | 70 - 130 | Recovery | = 120.200%  |          |
| 43) trans-1,3-Dichloroprop... | 8.171     | 79    | 22298    | 5.229    | ug/L        | 0.00     |
| Spiked Amount                 | 5.000     | Range | 55 - 130 | Recovery | = 104.600%  |          |
| 46) 2-Hexanone-d5             | 8.624     | 63    | 86391    | 44.384   | ug/L        | 0.00     |
| Spiked Amount                 | 50.000    | Range | 45 - 130 | Recovery | = 88.760%   |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.746    | 84    | 47799    | 4.153    | ug/L        | 0.00     |
| Spiked Amount                 | 5.000     | Range | 65 - 120 | Recovery | = 83.000%   |          |
| 66) 1,2-Dichlorobenzene-d4    | 12.187    | 152   | 55489    | 5.235    | ug/L        | 0.00     |
| Spiked Amount                 | 5.000     | Range | 80 - 120 | Recovery | = 104.600%  |          |
|                               |           |       |          |          |             |          |
| Target Compounds              |           |       |          |          |             | Qvalue   |
| 16) Methylene chloride        | 3.033     | 84    | 18431    | 1.313    | ug/L        | 95       |
| 29) 1,1,1-Trichloroethane     | 5.306     | 97    | 15764    | 0.786    | ug/L        | 98       |
| 34) Trichloroethene           | 6.534     | 95    | 11090    | 0.791    | ug/L        | 94       |
| 42) Toluene                   | 7.962     | 91    | 19658    | 0.356    | ug/L        | 98       |
| 47) Tetrachloroethene         | 8.544     | 164   | 92975    | 9.115    | ug/L        | 98       |
| 51) Chlorobenzene             | 9.441     | 112   | 9916     | 0.263    | ug/L        | 91       |
| 52) Ethylbenzene              | 9.566     | 91    | 5828     | 0.088    | ug/L        | 98       |
| 53) m,p-Xylene                | 9.688     | 106   | 3788     | 0.163    | ug/L        | 97       |
| 67) 1,2-Dichlorobenzene       | 12.206    | 146   | 3036     | 0.141    | ug/L        | 93       |
| -----                         |           |       |          |          |             |          |

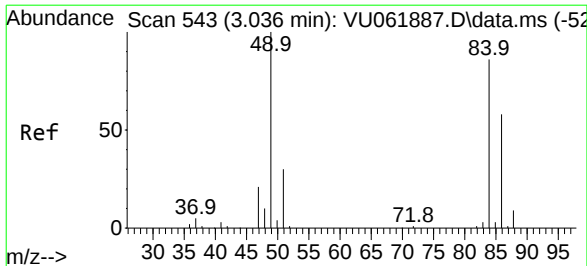
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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BG3P9

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Quant Title : TRACE VOA SFAM1.0  
QLast Update : Thu Nov 21 03:29:06 2024  
Response via : Initial Calibration





#16

Methylene chloride

Concen: 1.313 ug/L

RT: 3.033 min Scan# 54

Delta R.T. -0.003 min

Lab File: VU061895.D

Acq: 21 Nov 2024 04:28

Instrument :

MSVOA\_U

ClientSampleId :

BG3P9

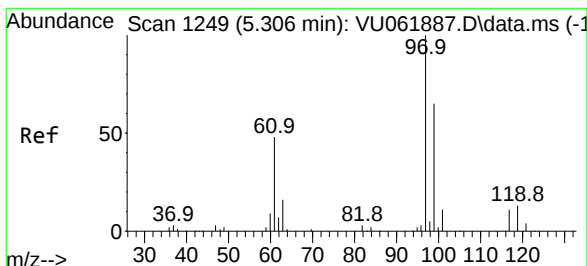
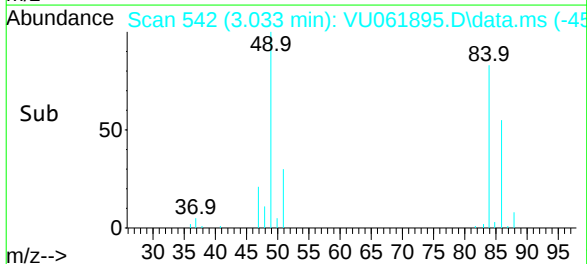
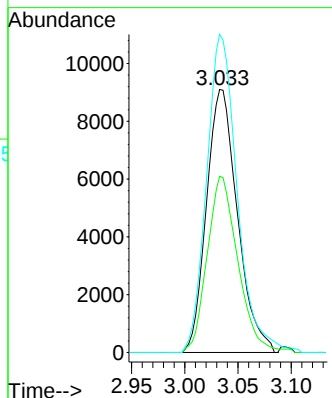
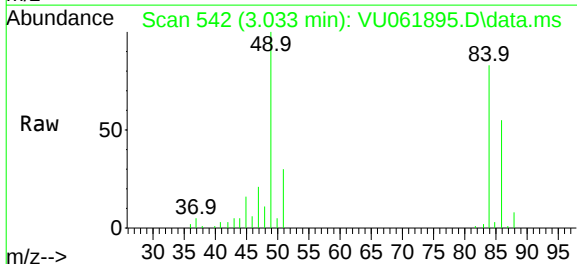
Tgt Ion: 84 Resp: 18431

Ion Ratio Lower Upper

84 100

86 67.0 43.5 80.7

49 120.9 81.9 152.1



#29

1,1,1-Trichloroethane

Concen: 0.786 ug/L

RT: 5.306 min Scan# 1249

Delta R.T. 0.000 min

Lab File: VU061895.D

Acq: 21 Nov 2024 04:28

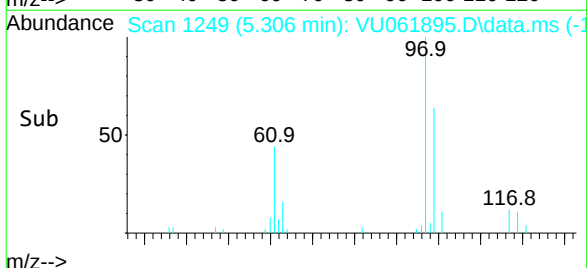
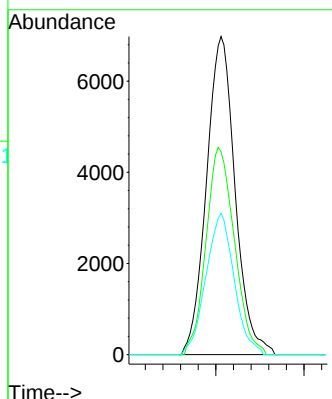
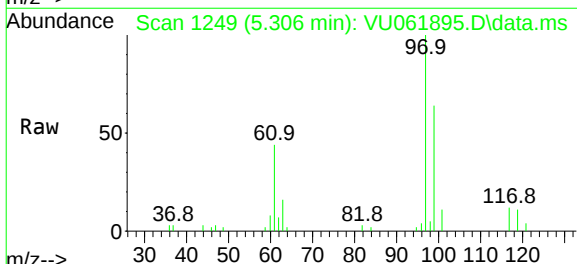
Tgt Ion: 97 Resp: 15764

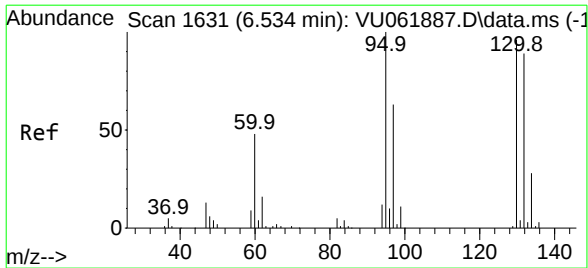
Ion Ratio Lower Upper

97 100

99 64.5 51.4 77.2

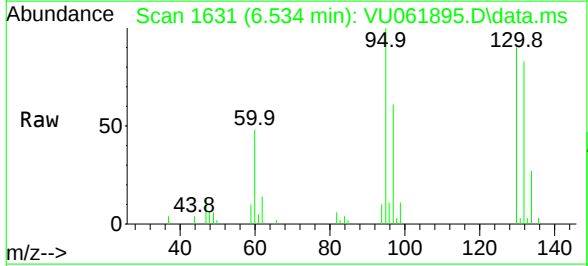
61 43.7 37.8 56.6



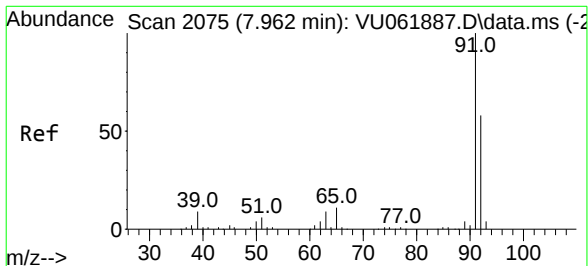
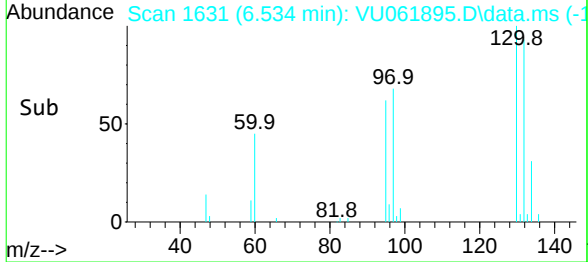
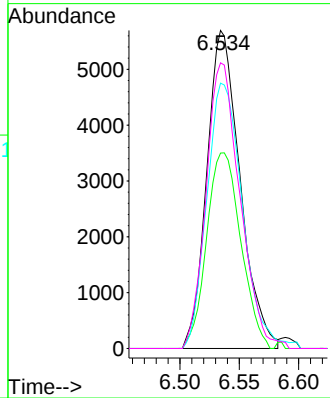


#34  
Trichloroethene  
Concen: 0.791 ug/L  
RT: 6.534 min Scan# 1631  
Delta R.T. 0.000 min  
Lab File: VU061895.D  
Acq: 21 Nov 2024 04:28

Instrument :  
MSVOA\_U  
ClientSampleId :  
BG3P9

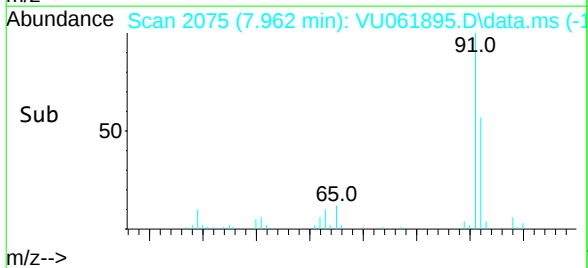
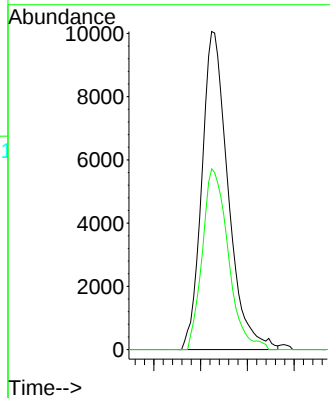
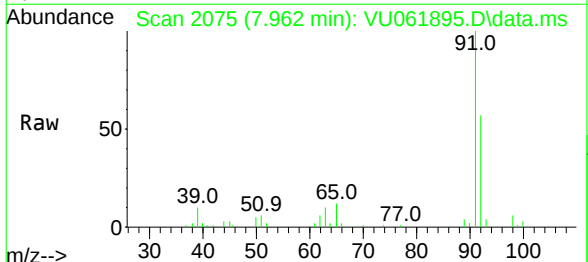


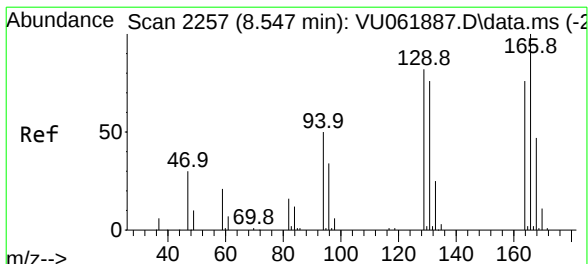
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 95    | Resp: | 11090 |
| Ion      | Ratio | Lower | Upper |
| 95       | 100   |       |       |
| 97       | 61.4  | 45.9  | 85.3  |
| 132      | 83.4  | 63.8  | 118.4 |
| 130      | 89.8  | 65.5  | 121.7 |



#42  
Toluene  
Concen: 0.356 ug/L  
RT: 7.962 min Scan# 2075  
Delta R.T. 0.000 min  
Lab File: VU061895.D  
Acq: 21 Nov 2024 04:28

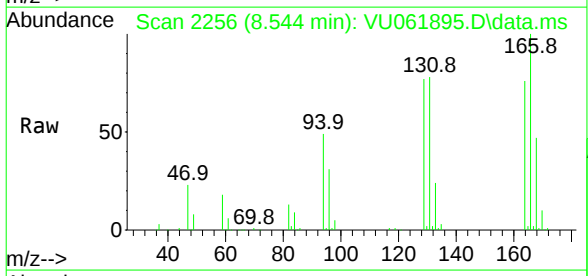
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 91    | Resp: | 19658 |
| Ion      | Ratio | Lower | Upper |
| 91       | 100   |       |       |
| 92       | 56.8  | 39.0  | 72.4  |





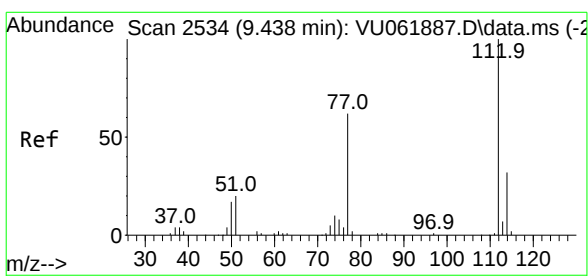
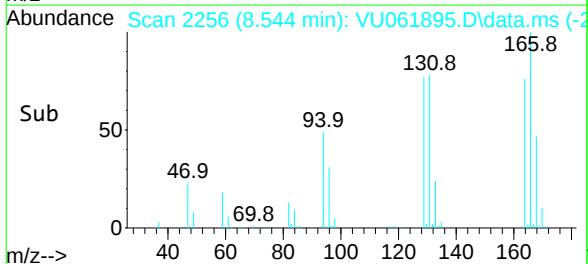
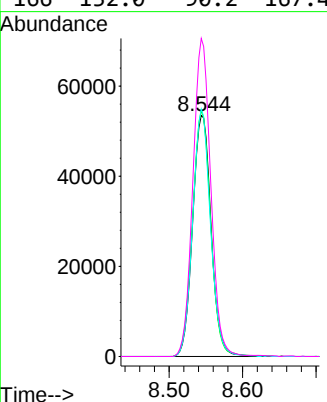
#47  
 Tetrachloroethene  
 Concen: 9.115 ug/L  
 RT: 8.544 min Scan# 2257  
 Delta R.T. -0.003 min  
 Lab File: VU061895.D  
 Acq: 21 Nov 2024 04:28

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 ClientSampleId :  
 BG3P9



Tgt Ion:164 Resp: 92975

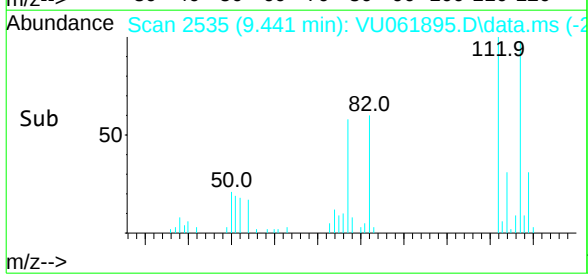
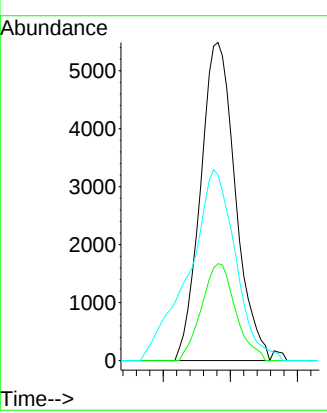
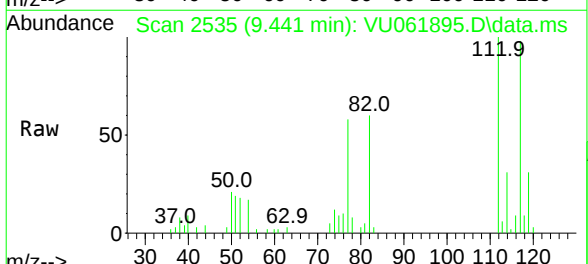
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 129 | 102.0 | 73.2  | 136.0 |
| 131 | 102.7 | 72.3  | 134.3 |
| 166 | 132.0 | 90.2  | 167.4 |

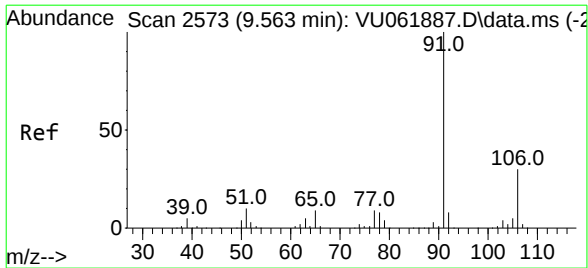


#51  
 Chlorobenzene  
 Concen: 0.263 ug/L  
 RT: 9.441 min Scan# 2535  
 Delta R.T. 0.003 min  
 Lab File: VU061895.D  
 Acq: 21 Nov 2024 04:28

Tgt Ion:112 Resp: 9916

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 112 | 100   |       |       |
| 114 | 28.7  | 23.0  | 42.6  |
| 77  | 54.9  | 50.5  | 75.7  |

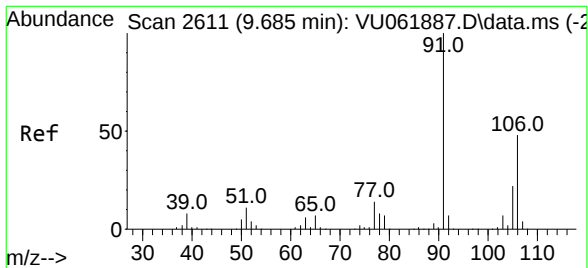
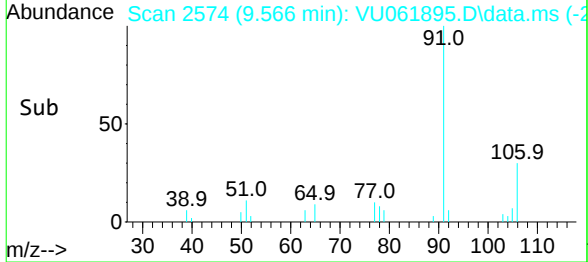
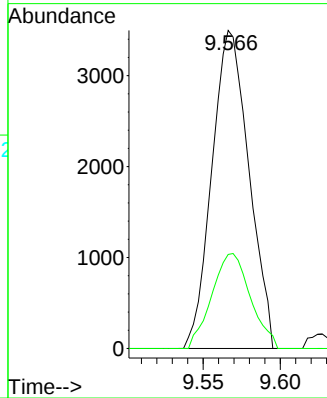
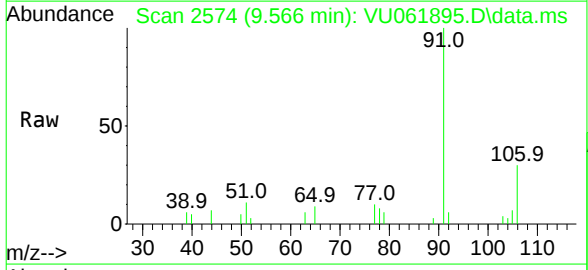




#52  
Ethylbenzene  
Concen: 0.088 ug/L  
RT: 9.566 min Scan# 2573  
Delta R.T. 0.003 min  
Lab File: VU061895.D  
Acq: 21 Nov 2024 04:28

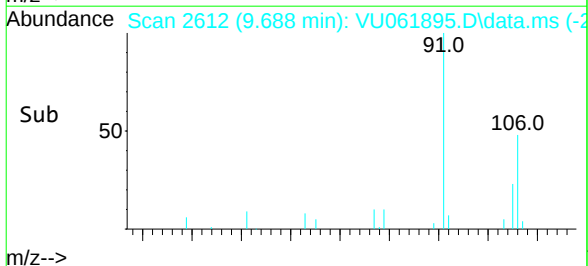
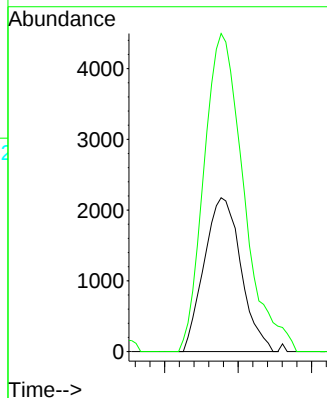
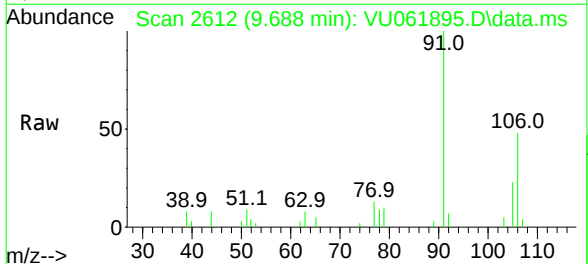
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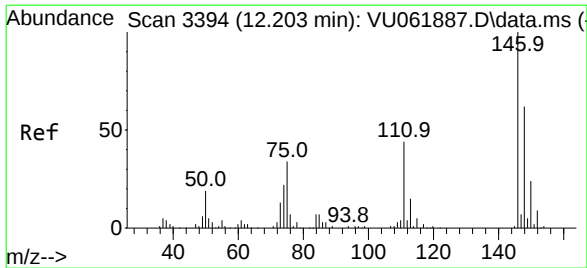
Tgt Ion: 91 Resp: 5828  
Ion Ratio Lower Upper  
91 100  
106 29.6 21.6 40.0



#53  
m,p-Xylene  
Concen: 0.163 ug/L  
RT: 9.688 min Scan# 2612  
Delta R.T. 0.003 min  
Lab File: VU061895.D  
Acq: 21 Nov 2024 04:28

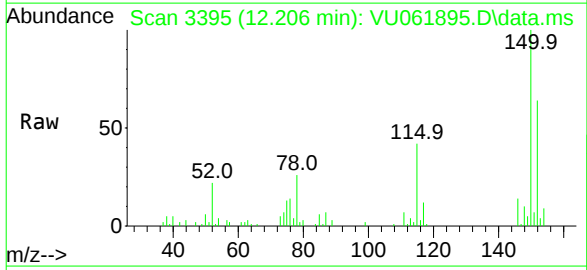
Tgt Ion: 106 Resp: 3788  
Ion Ratio Lower Upper  
106 100  
91 206.7 147.6 274.0





#67  
1,2-Dichlorobenzene  
Concen: 0.141 ug/L  
RT: 12.206 min Scan# 33  
Delta R.T. 0.003 min  
Lab File: VU061895.D  
Acq: 21 Nov 2024 04:28

Instrument :  
MSVOA\_U  
ClientSampleId :  
BG3P9



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 146   | Resp: | 3036  |
| Ion      | Ratio | Lower | Upper |
| 146      | 100   |       |       |
| 111      | 51.4  | 36.0  | 54.0  |
| 148      | 68.8  | 52.3  | 78.5  |

