

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU120724\  
 Data File : VU062148.D  
 Acq On : 06 Dec 2024 21:48  
 Operator : MD/SY  
 Sample : P5107-05  
 Misc : 25mL/MSVOA\_U/WATER  
 ALS Vial : 30 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Dec 07 01:02:31 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR112024WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Fri Dec 06 02:27:00 2024  
 Response via : Initial Calibration

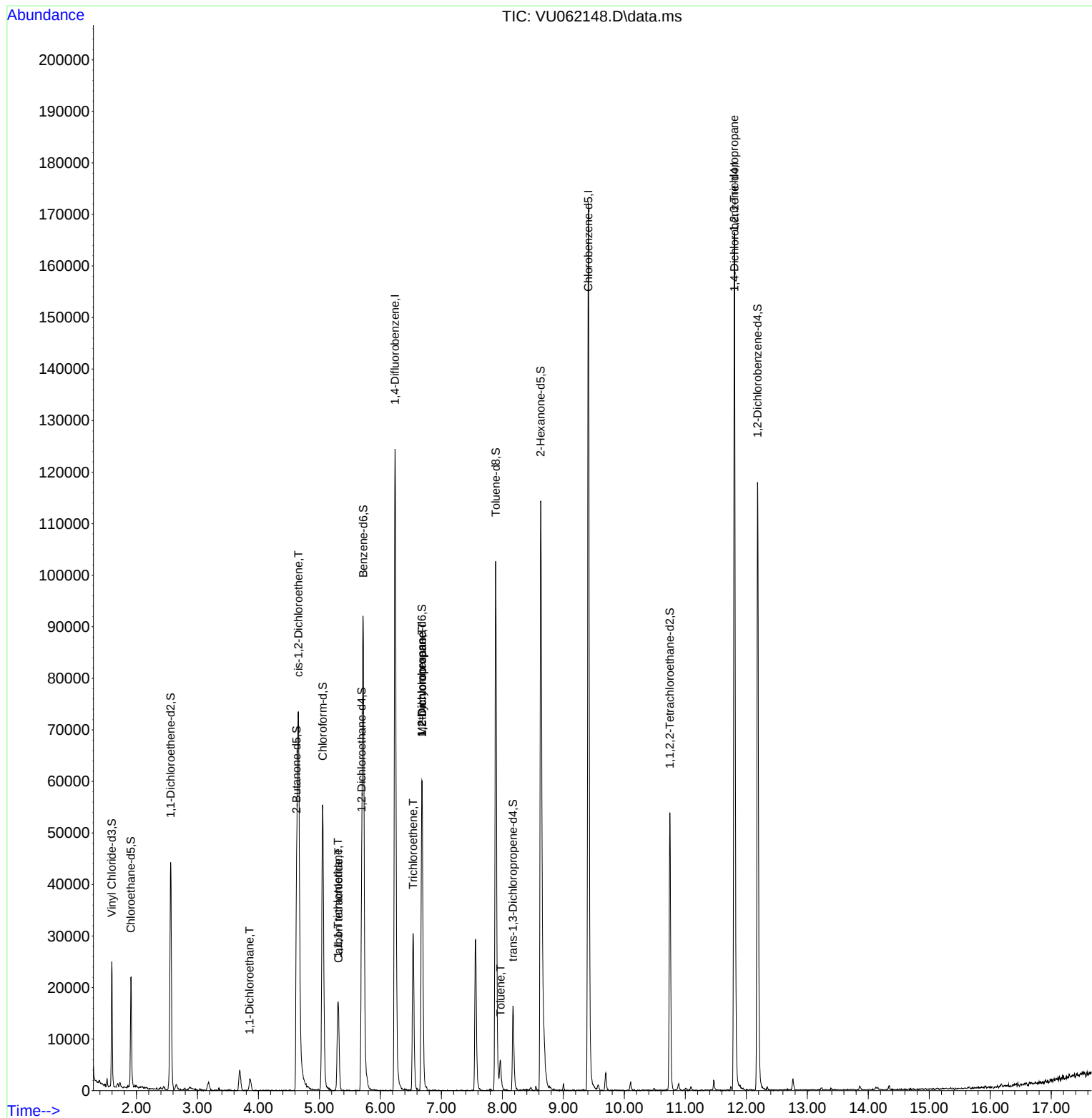
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.239  | 114   | 107767   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.409  | 117   | 101000   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.804 | 152   | 47239    | 5.000    | ug/L   | 0.00     |
|                               |        |       |          |          |        |          |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.596  | 65    | 16299    | 3.083    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 61.600%  |
| 7) Chloroethane-d5            | 1.908  | 69    | 15184    | 3.247    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 65.000%  |
| 11) 1,1-Dichloroethene-d2     | 2.560  | 65    | 8574     | 4.060    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 81.200%  |
| 20) 2-Butanone-d5             | 4.624  | 46    | 63642    | 38.339   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 76.680%  |
| 24) Chloroform-d              | 5.052  | 84    | 55108    | 4.273    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 85.400%  |
| 26) 1,2-Dichloroethane-d4     | 5.692  | 65    | 29313    | 4.417    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 88.400%  |
| 32) Benzene-d6                | 5.718  | 84    | 89685    | 4.558    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 91.200%  |
| 36) 1,2-Dichloropropane-d6    | 6.679  | 67    | 30380    | 4.543    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 90.800%  |
| 41) Toluene-d8                | 7.891  | 98    | 73606    | 4.485    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 89.600%  |
| 43) trans-1,3-Dichloroprop... | 8.174  | 79    | 11196    | 4.523    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 90.400%  |
| 46) 2-Hexanone-d5             | 8.627  | 63    | 41410    | 36.651   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 73.300%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.746 | 84    | 26880    | 4.023    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 80.400%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.184 | 152   | 33376    | 4.778    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 95.600%  |
|                               |        |       |          |          |        |          |
| Target Compounds              |        |       |          |          |        | Qvalue   |
| 19) 1,1-Dichloroethane        | 3.856  | 63    | 3249     | 0.218    | ug/L # | 91       |
| 22) cis-1,2-Dichloroethene    | 4.657  | 96    | 33189    | 3.860    | ug/L   | 92       |
| 29) 1,1,1-Trichloroethane     | 5.303  | 97    | 14550    | 1.250    | ug/L # | 82       |
| 31) Carbon tetrachloride      | 5.313  | 117   | 1558     | 0.158    | ug/L   | 98       |
| 34) Trichloroethene           | 6.534  | 95    | 11497    | 1.412    | ug/L   | 95       |
| 35) Methylcyclohexane         | 6.679  | 83    | 7656     | 0.615    | ug/L # | 21       |
| 37) 1,2-Dichloropropane       | 6.682  | 63    | 3124     | 0.394    | ug/L # | 87       |
| 42) Toluene                   | 7.968  | 91    | 4930     | 0.154    | ug/L   | 97       |
| 61) 1,2,3-Trichloropropane    | 11.801 | 75    | 5143     | 0.942    | ug/L # | 68       |
| -----                         |        |       |          |          |        |          |

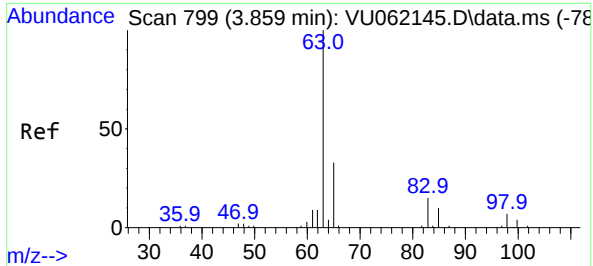
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SFAM1.0  
QLast Update : Fri Dec 06 02:27:00 2024  
Response via : Initial Calibration





#19

1,1-Dichloroethane

Concen: 0.218 ug/L

RT: 3.856 min Scan# 799

Delta R.T. -0.003 min

Lab File: VU062148.D

Acq: 06 Dec 2024 21:48

Instrument :

MSVOA\_U

ClientSampleId :

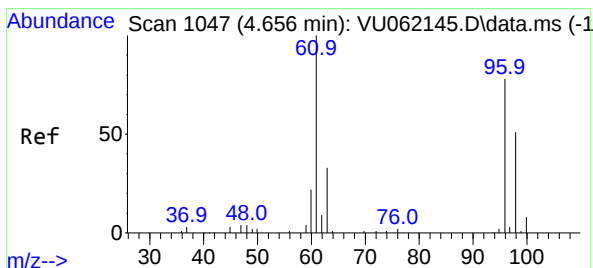
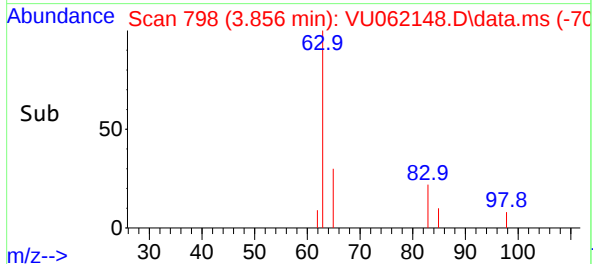
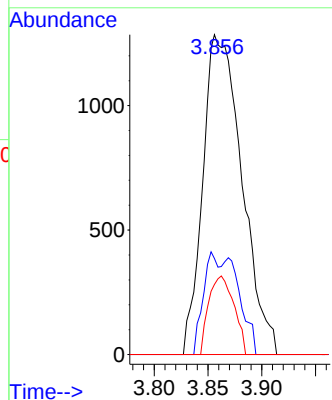
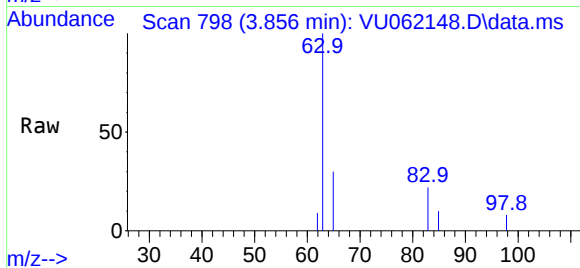
Tgt Ion: 63 Resp: 3249

Ion Ratio Lower Upper

63 100

65 30.0 22.7 42.3

83 21.9 9.9 18.3#



#22

cis-1,2-Dichloroethene

Concen: 3.860 ug/L

RT: 4.657 min Scan# 1047

Delta R.T. 0.000 min

Lab File: VU062148.D

Acq: 06 Dec 2024 21:48

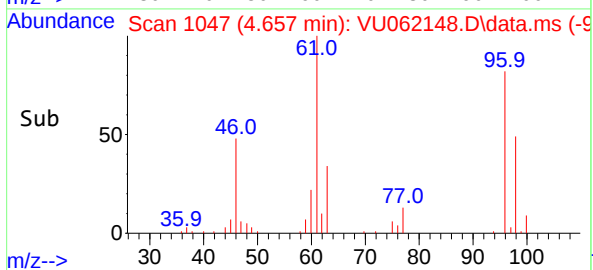
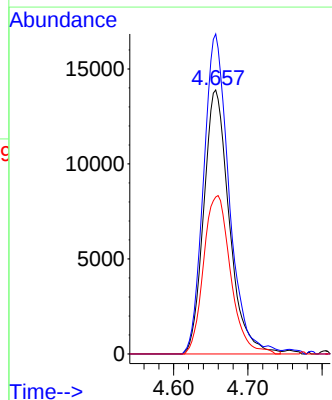
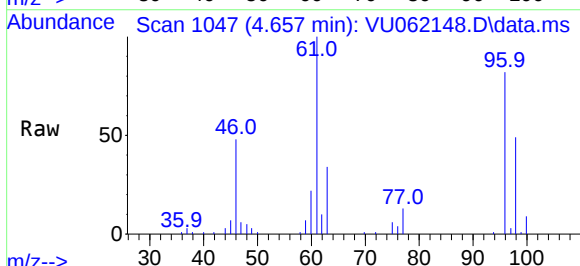
Tgt Ion: 96 Resp: 33189

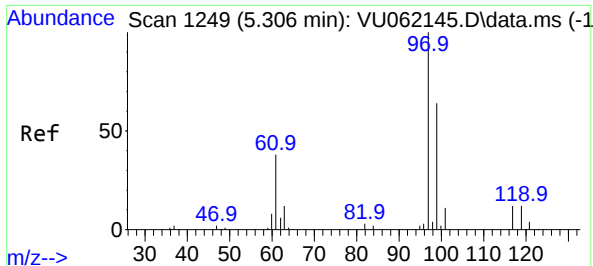
Ion Ratio Lower Upper

96 100

61 121.2 92.0 170.8

98 59.5 44.5 82.7

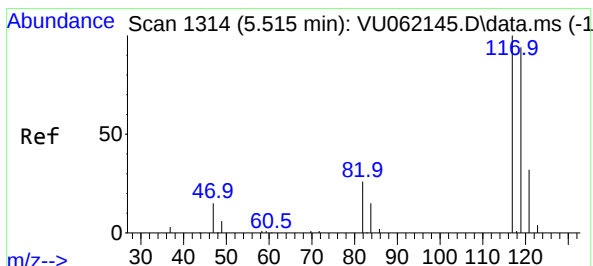
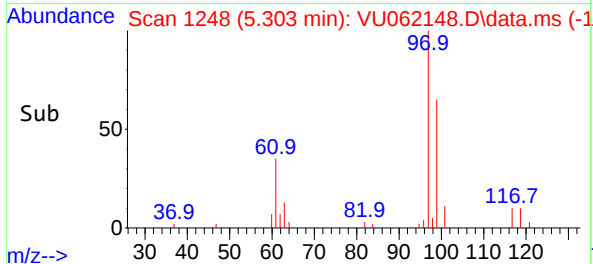
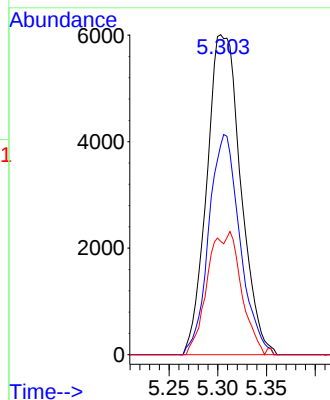
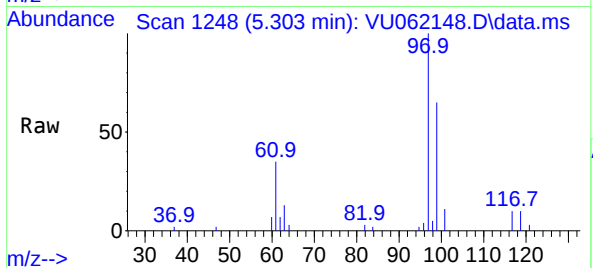




#29  
1,1,1-Trichloroethane  
Concen: 1.250 ug/L  
RT: 5.303 min Scan# 11  
Delta R.T. -0.003 min  
Lab File: VU062148.D  
Acq: 06 Dec 2024 21:48

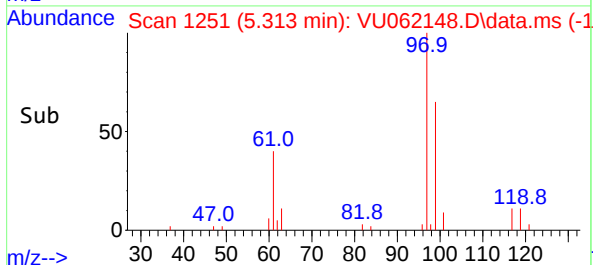
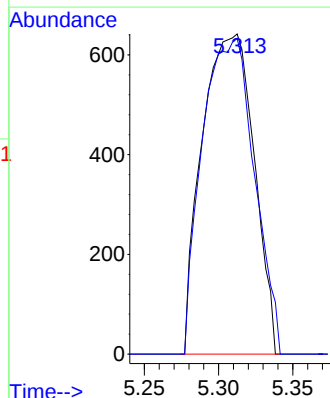
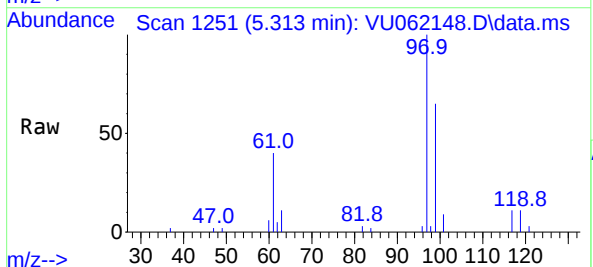
Instrument :  
MSVOA\_U  
ClientSampleId :

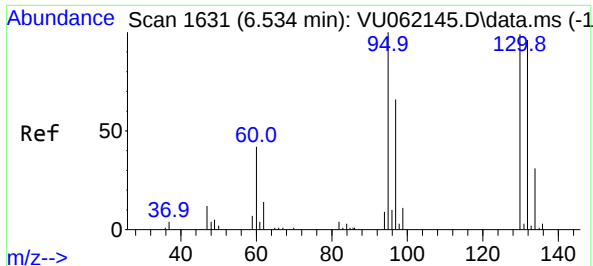
Tgt Ion: 97 Resp: 14550  
Ion Ratio Lower Upper  
97 100  
99 63.1 51.4 77.2  
61 20.1 37.8 56.6#



#31  
Carbon tetrachloride  
Concen: 0.158 ug/L  
RT: 5.313 min Scan# 1251  
Delta R.T. -0.203 min  
Lab File: VU062148.D  
Acq: 06 Dec 2024 21:48

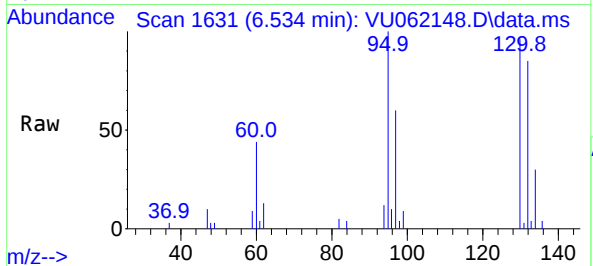
Tgt Ion:117 Resp: 1558  
Ion Ratio Lower Upper  
117 100  
119 99.0 77.5 116.3





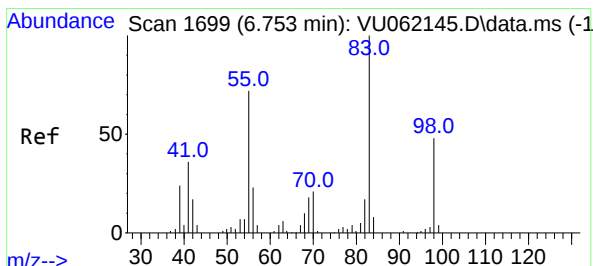
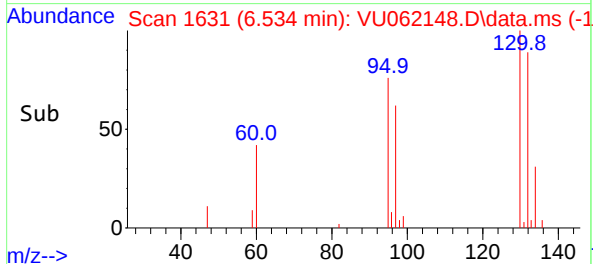
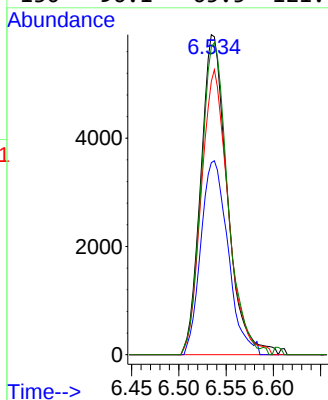
#34  
Trichloroethene  
Concen: 1.412 ug/L  
RT: 6.534 min Scan# 1  
Delta R.T. 0.000 min  
Lab File: VU062148.D  
Acq: 06 Dec 2024 21:48

Instrument :  
MSVOA\_U  
ClientSampleId :



Tgt Ion: 95 Resp: 11497

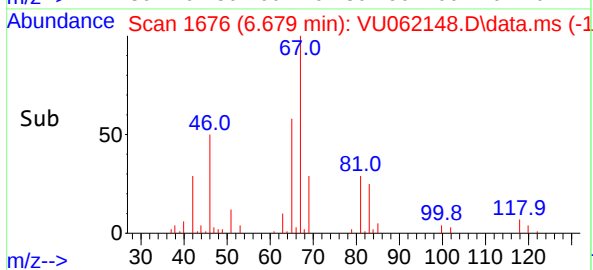
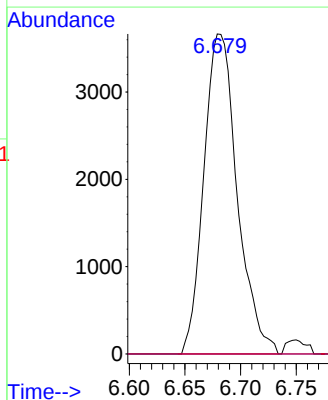
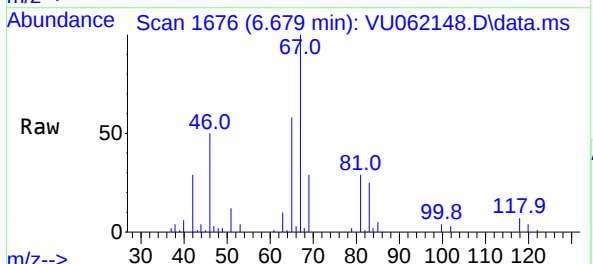
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 97  | 60.0  | 45.9  | 85.3  |
| 132 | 85.4  | 63.8  | 118.4 |
| 130 | 96.1  | 65.5  | 121.7 |

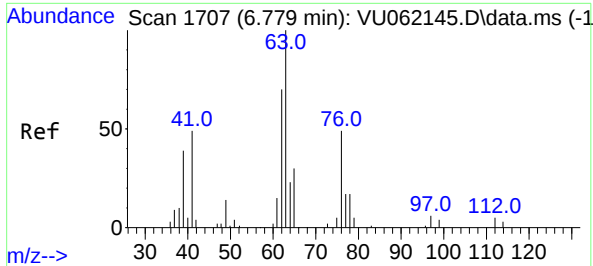


#35  
Methylcyclohexane  
Concen: 0.615 ug/L  
RT: 6.679 min Scan# 1676  
Delta R.T. -0.074 min  
Lab File: VU062148.D  
Acq: 06 Dec 2024 21:48

Tgt Ion: 83 Resp: 7656

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 83  | 100   |       |       |
| 55  | 0.0   | 60.7  | 91.1# |
| 98  | 2.8   | 34.8  | 52.2# |

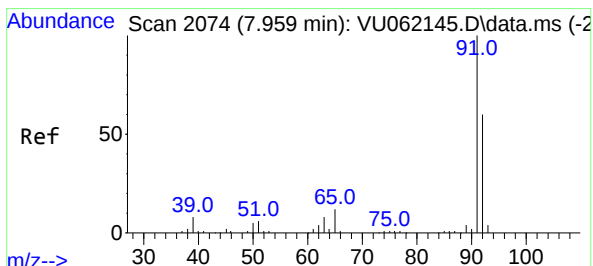
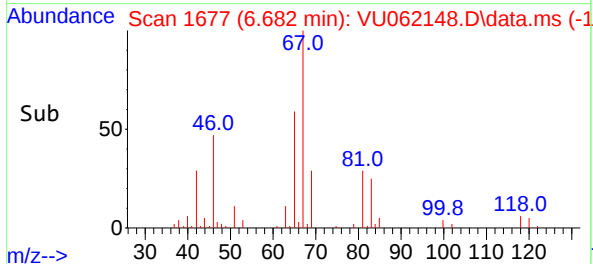
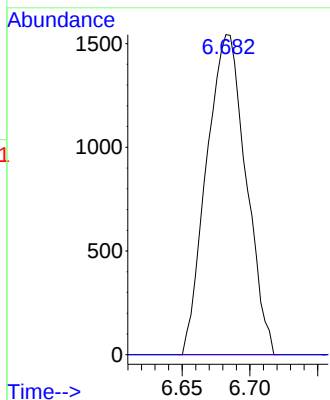
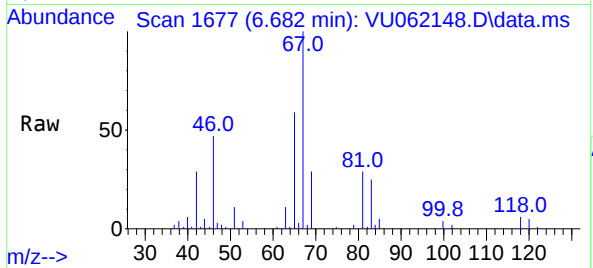




#37  
1,2-Dichloropropane  
Concen: 0.394 ug/L  
RT: 6.682 min Scan# 1  
Delta R.T. -0.100 min  
Lab File: VU062148.D  
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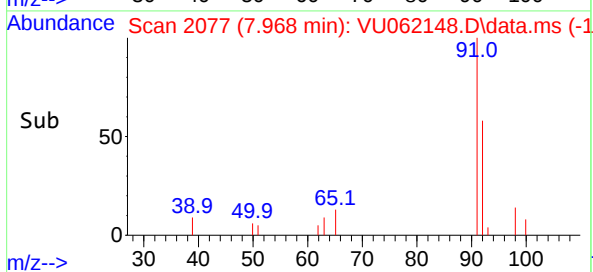
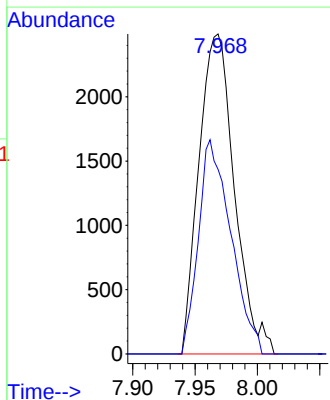
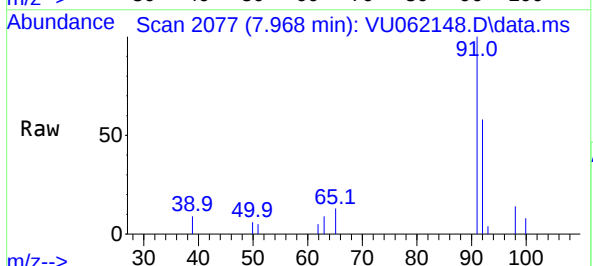
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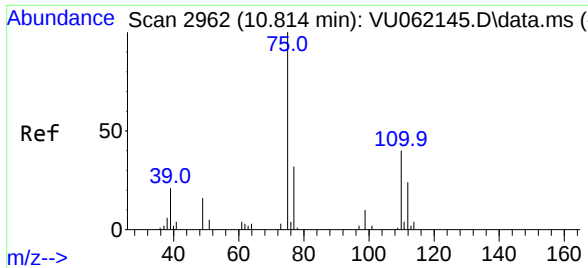
Tgt Ion: 63 Resp: 3124  
Ion Ratio Lower Upper  
63 100  
112 0.0 3.4 5.0#



#42  
Toluene  
Concen: 0.154 ug/L  
RT: 7.968 min Scan# 2077  
Delta R.T. 0.006 min  
Lab File: VU062148.D  
Acq: 06 Dec 2024 21:48

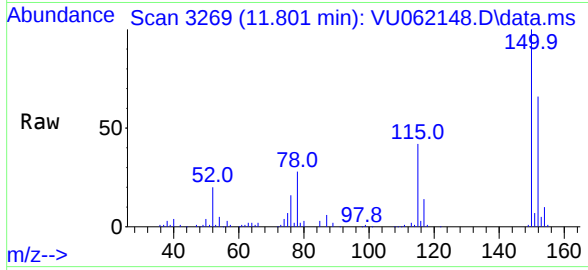
Tgt Ion: 91 Resp: 4930  
Ion Ratio Lower Upper  
91 100  
92 57.7 39.0 72.4





#61  
1,2,3-Trichloropropane  
Concen: 0.942 ug/L  
RT: 11.801 min Scan# 31  
Delta R.T. 0.987 min  
Lab File: VU062148.D  
Acq: 06 Dec 2024 21:48

Instrument :  
MSVOA\_U  
ClientSampleId :



Tgt Ion: 75 Resp: 5143  
Ion Ratio Lower Upper  
75 100  
110 2.5 28.9 43.3#  
77 30.3 26.5 39.7

