

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU011625\  
 Data File : VU062845.D  
 Acq On : 17 Jan 2025 01:56  
 Operator : MD/SY  
 Sample : Q1071-09DL 5X  
 Misc : 25mL/MSVOA\_U/WATER  
 ALS Vial : 43 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Jan 17 03:05:36 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR010225WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Thu Jan 16 23:11:57 2025  
 Response via : Initial Calibration

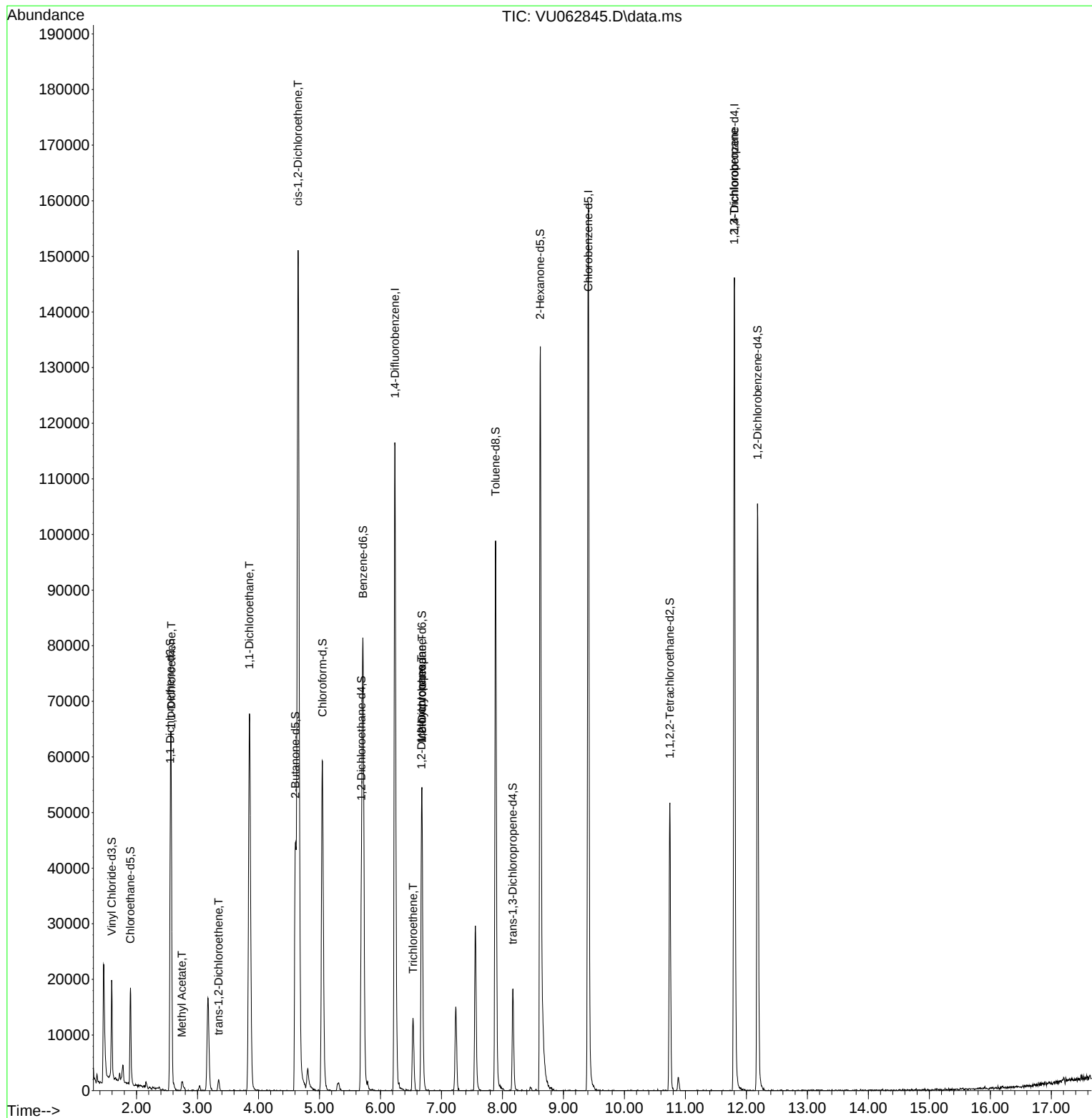
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.235  | 114   | 96737    | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.409  | 117   | 91018    | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.804 | 152   | 41794    | 5.000    | ug/L   | 0.00     |
|                               |        |       |          |          |        |          |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.592  | 65    | 11469    | 2.141    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 42.800%  |
| 7) Chloroethane-d5            | 1.901  | 69    | 12640    | 2.933    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 58.600%# |
| 11) 1,1-Dichloroethene-d2     | 2.554  | 65    | 7175     | 2.585    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 51.800%# |
| 20) 2-Butanone-d5             | 4.605  | 46    | 59308    | 54.162   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 108.320% |
| 24) Chloroform-d              | 5.049  | 84    | 50981    | 3.868    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 77.400%  |
| 26) 1,2-Dichloroethane-d4     | 5.689  | 65    | 30727    | 4.298    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 86.000%  |
| 32) Benzene-d6                | 5.714  | 84    | 76167    | 3.423    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 68.400%# |
| 36) 1,2-Dichloropropane-d6    | 6.679  | 67    | 23091    | 3.743    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 74.800%  |
| 41) Toluene-d8                | 7.888  | 98    | 67364    | 3.108    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 62.200%# |
| 43) trans-1,3-Dichloroprop... | 8.171  | 79    | 11836    | 3.849    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 77.000%  |
| 46) 2-Hexanone-d5             | 8.618  | 63    | 46083    | 47.651   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 95.300%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.746 | 84    | 24738    | 4.788    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 95.800%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.183 | 152   | 30330    | 4.362    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 87.200%  |
|                               |        |       |          |          |        |          |
| Target Compounds              |        |       |          |          |        | Qvalue   |
| 12) 1,1-Dichloroethene        | 2.570  | 96    | 13968    | 2.326    | ug/L   | 95       |
| 15) Methyl Acetate            | 2.743  | 43    | 587      | 0.313    | ug/L # | 44       |
| 18) trans-1,2-Dichloroethene  | 3.348  | 96    | 962      | 0.150    | ug/L # | 81       |
| 19) 1,1-Dichloroethane        | 3.853  | 63    | 76956    | 6.690    | ug/L   | 96       |
| 22) cis-1,2-Dichloroethene    | 4.650  | 96    | 81481    | 11.630   | ug/L   | 96       |
| 34) Trichloroethene           | 6.534  | 95    | 4811     | 0.539    | ug/L   | 95       |
| 35) Methylcyclohexane         | 6.679  | 83    | 7329     | 0.667    | ug/L # | 22       |
| 37) 1,2-Dichloropropane       | 6.672  | 63    | 3096     | 0.502    | ug/L # | 85       |
| 61) 1,2,3-Trichloropropane    | 11.801 | 75    | 3989     | 1.076    | ug/L # | 59       |
| -----                         |        |       |          |          |        |          |

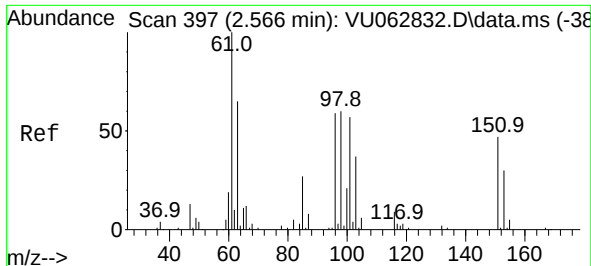
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : Q1071-09DL 5X  
Misc : 25mL/MSVOA\_U/WATER  
ALS Vial : 43 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :

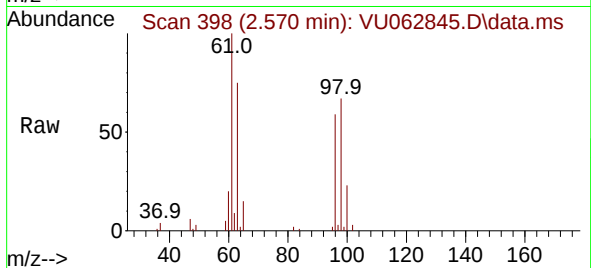
Quant Time: Jan 17 03:05:36 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR010225WMA.M  
Quant Title : TRACE VOA SFAM1.0  
QLast Update : Thu Jan 16 23:11:57 2025  
Response via : Initial Calibration



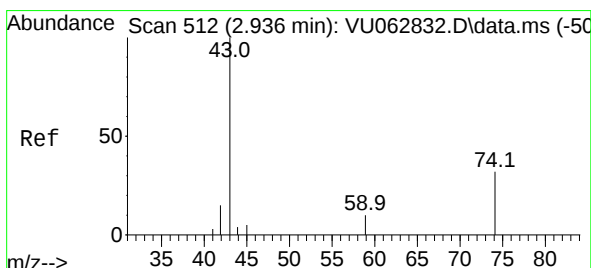
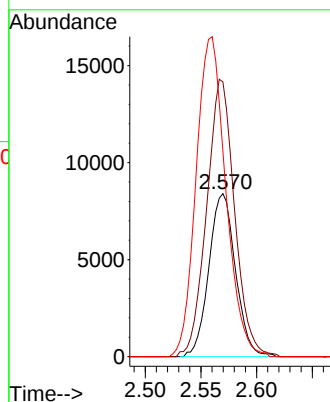
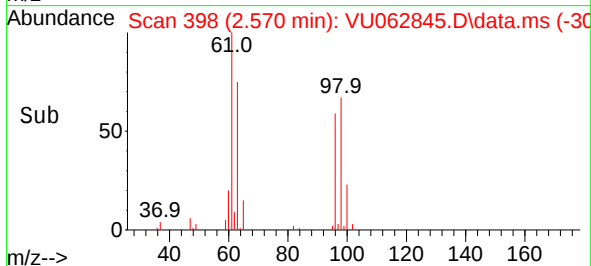


#12  
1,1-Dichloroethene  
Concen: 2.326 ug/L  
RT: 2.570 min Scan# 30  
Delta R.T. 0.003 min  
Lab File: VU062845.D  
Acq: 17 Jan 2025 01:56

Instrument :  
MSVOA\_U  
ClientSampleId :

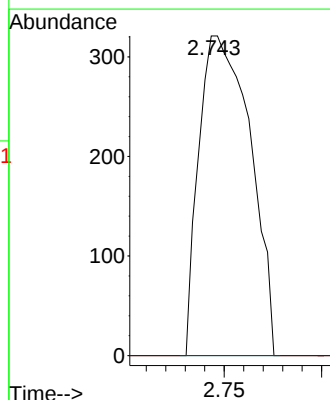
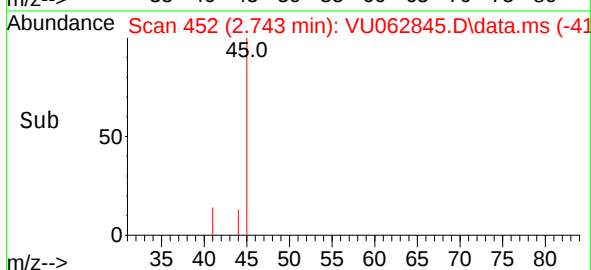
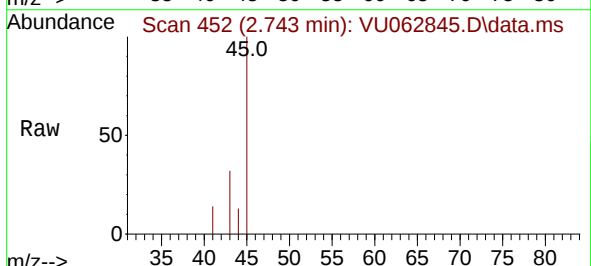


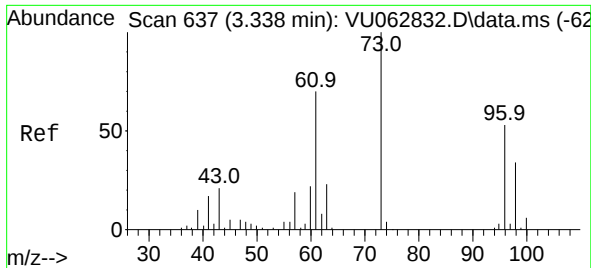
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 96    | Resp: | 13968 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 168.5 | 120.4 | 223.6 |
| 63       | 125.8 | 82.3  | 152.9 |



#15  
Methyl Acetate  
Concen: 0.313 ug/L  
RT: 2.743 min Scan# 452  
Delta R.T. -0.193 min  
Lab File: VU062845.D  
Acq: 17 Jan 2025 01:56

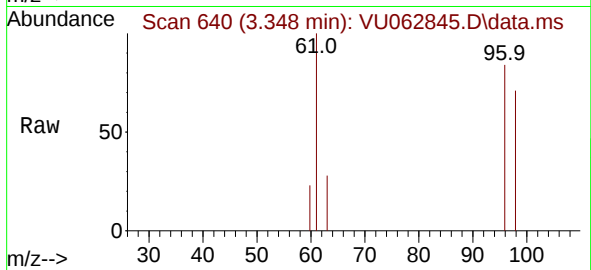
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 587   |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 74       | 0.0   | 24.4  | 36.6# |



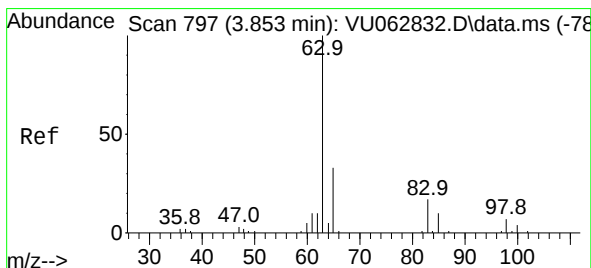
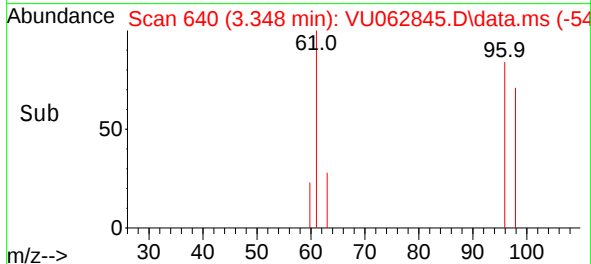
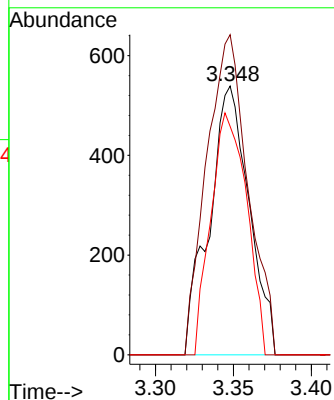


#18  
trans-1,2-Dichloroethene  
Concen: 0.150 ug/L  
RT: 3.348 min Scan# 640  
Delta R.T. 0.010 min  
Lab File: VU062845.D  
Acq: 17 Jan 2025 01:56

Instrument :  
MSVOA\_U  
ClientSampleId :

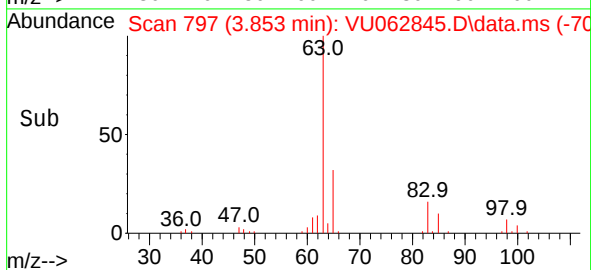
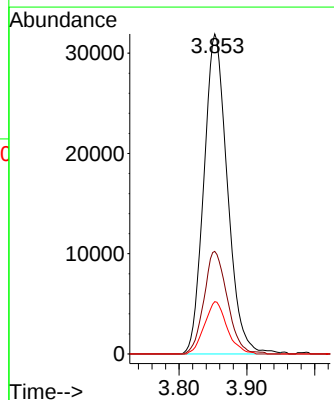
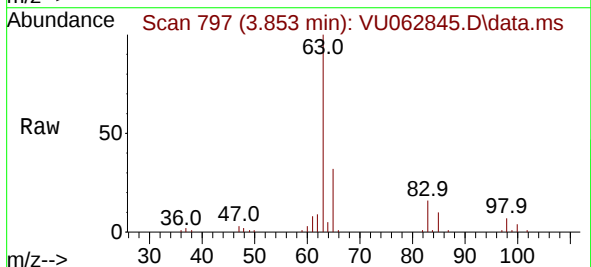


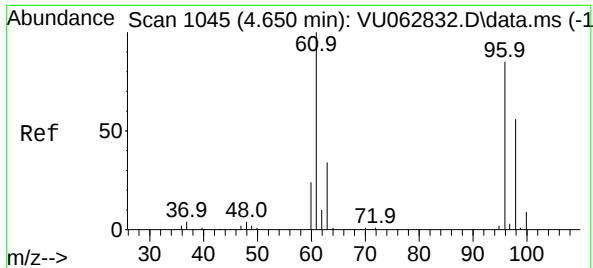
Tgt Ion: 96 Resp: 962  
Ion Ratio Lower Upper  
96 100  
61 119.1 94.4 175.2  
98 85.0 42.8 79.4#



#19  
1,1-Dichloroethane  
Concen: 6.690 ug/L  
RT: 3.853 min Scan# 797  
Delta R.T. 0.000 min  
Lab File: VU062845.D  
Acq: 17 Jan 2025 01:56

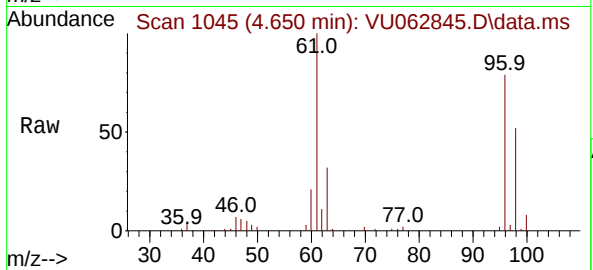
Tgt Ion: 63 Resp: 76956  
Ion Ratio Lower Upper  
63 100  
65 32.1 20.7 38.5  
83 16.4 10.5 19.5



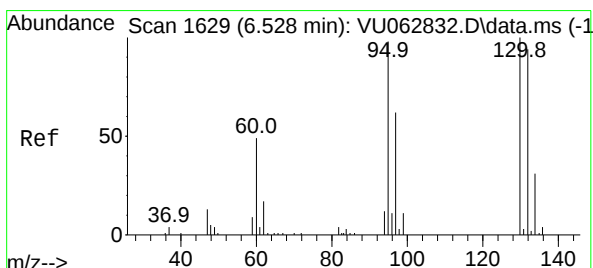
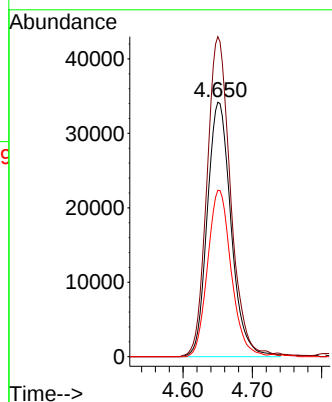
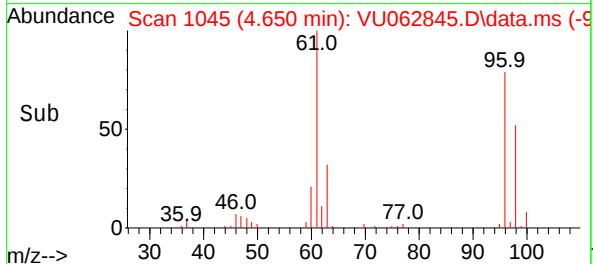


#22  
cis-1,2-Dichloroethene  
Concen: 11.630 ug/L  
RT: 4.650 min Scan# 1045  
Delta R.T. 0.000 min  
Lab File: VU062845.D  
Acq: 17 Jan 2025 01:56

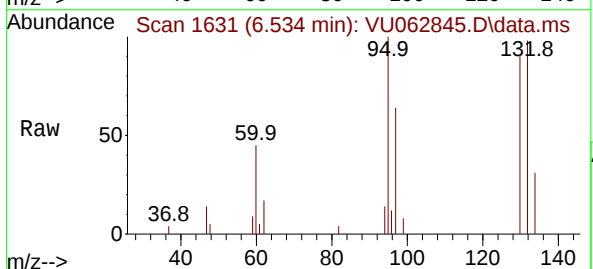
Instrument :  
MSVOA\_U  
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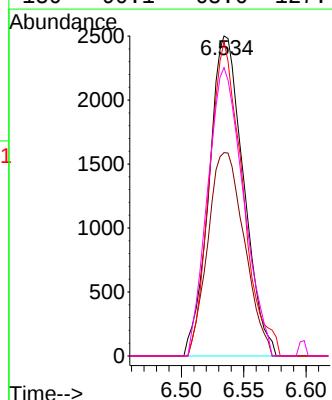
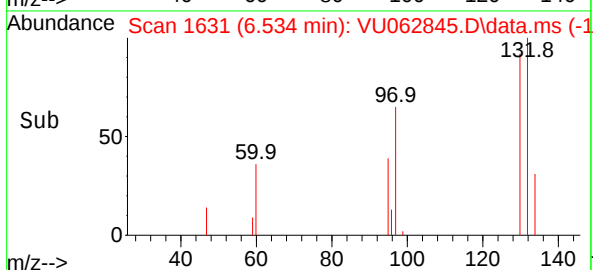
Tgt Ion: 96 Resp: 81481  
Ion Ratio Lower Upper  
96 100  
61 125.8 84.8 157.6  
98 65.4 43.1 80.1

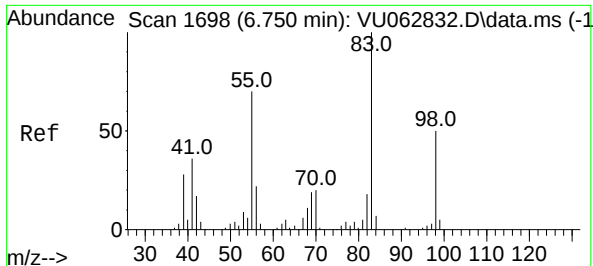


#34  
Trichloroethene  
Concen: 0.539 ug/L  
RT: 6.534 min Scan# 1631  
Delta R.T. 0.007 min  
Lab File: VU062845.D  
Acq: 17 Jan 2025 01:56



Tgt Ion: 95 Resp: 4811  
Ion Ratio Lower Upper  
95 100  
97 63.5 47.5 88.3  
132 98.1 66.9 124.3  
130 90.1 68.6 127.4

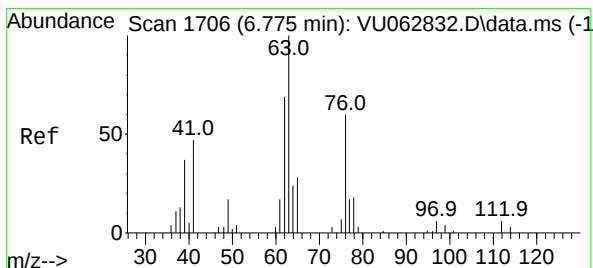
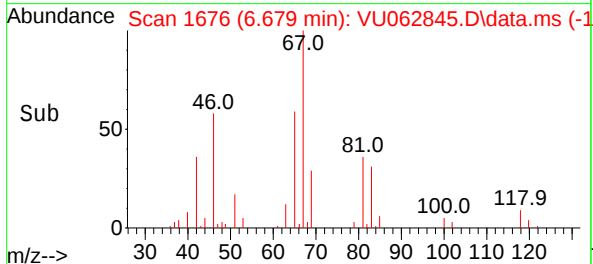
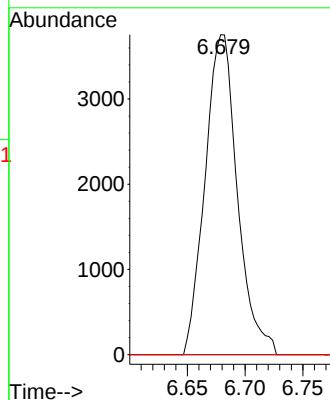
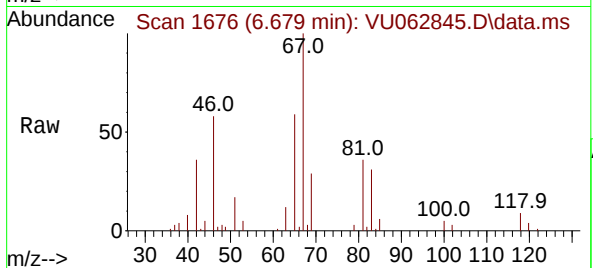




#35  
Methylcyclohexane  
Concen: 0.667 ug/L  
RT: 6.679 min Scan# 1674  
Delta R.T. -0.071 min  
Lab File: VU062845.D  
Acq: 17 Jan 2025 01:56

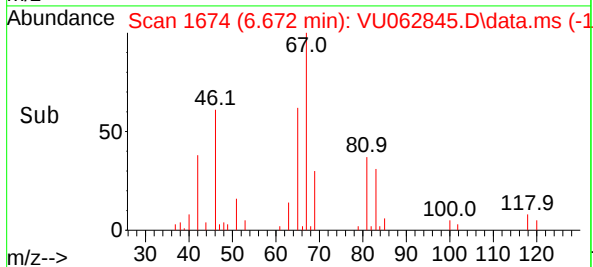
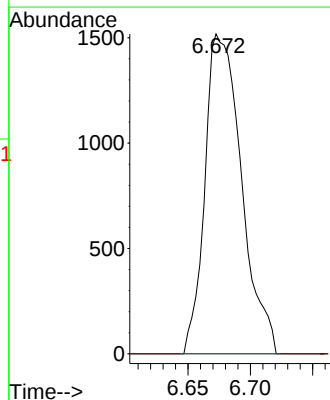
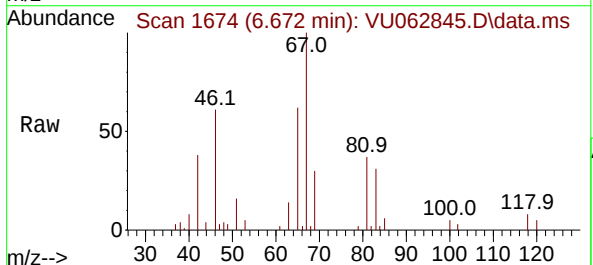
Instrument :  
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ClientSampleId :

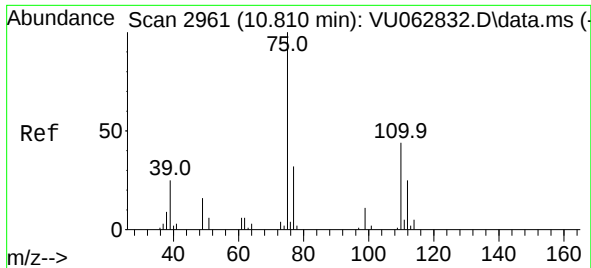
Tgt Ion: 83 Resp: 7329  
Ion Ratio Lower Upper  
83 100  
55 0.0 57.2 85.8#  
98 2.3 36.6 55.0#



#37  
1,2-Dichloropropane  
Concen: 0.502 ug/L  
RT: 6.672 min Scan# 1674  
Delta R.T. -0.103 min  
Lab File: VU062845.D  
Acq: 17 Jan 2025 01:56

Tgt Ion: 63 Resp: 3096  
Ion Ratio Lower Upper  
63 100  
112 0.0 3.8 5.8#





#61

1,2,3-Trichloropropane

Concen: 1.076 ug/L

RT: 11.801 min Scan# 31

Delta R.T. 0.990 min

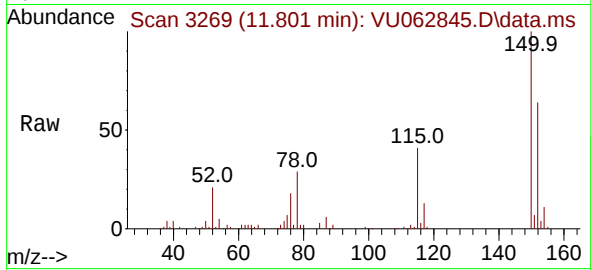
Lab File: VU062845.D

Acq: 17 Jan 2025 01:56

Instrument :

MSVOA\_U

ClientSampleId :



Tgt Ion: 75 Resp: 3989

Ion Ratio Lower Upper

75 100

110 0.0 33.2 49.8#

77 37.9 25.9 38.9

