

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU122024\  
 Data File : VU062535.D  
 Acq On : 20 Dec 2024 19:31  
 Operator : MD/SY  
 Sample : P5345-15  
 Misc : 25mL/MSVOA\_U/WATER  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Dec 20 22:38:06 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR120924WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Fri Dec 20 22:32:26 2024  
 Response via : Initial Calibration

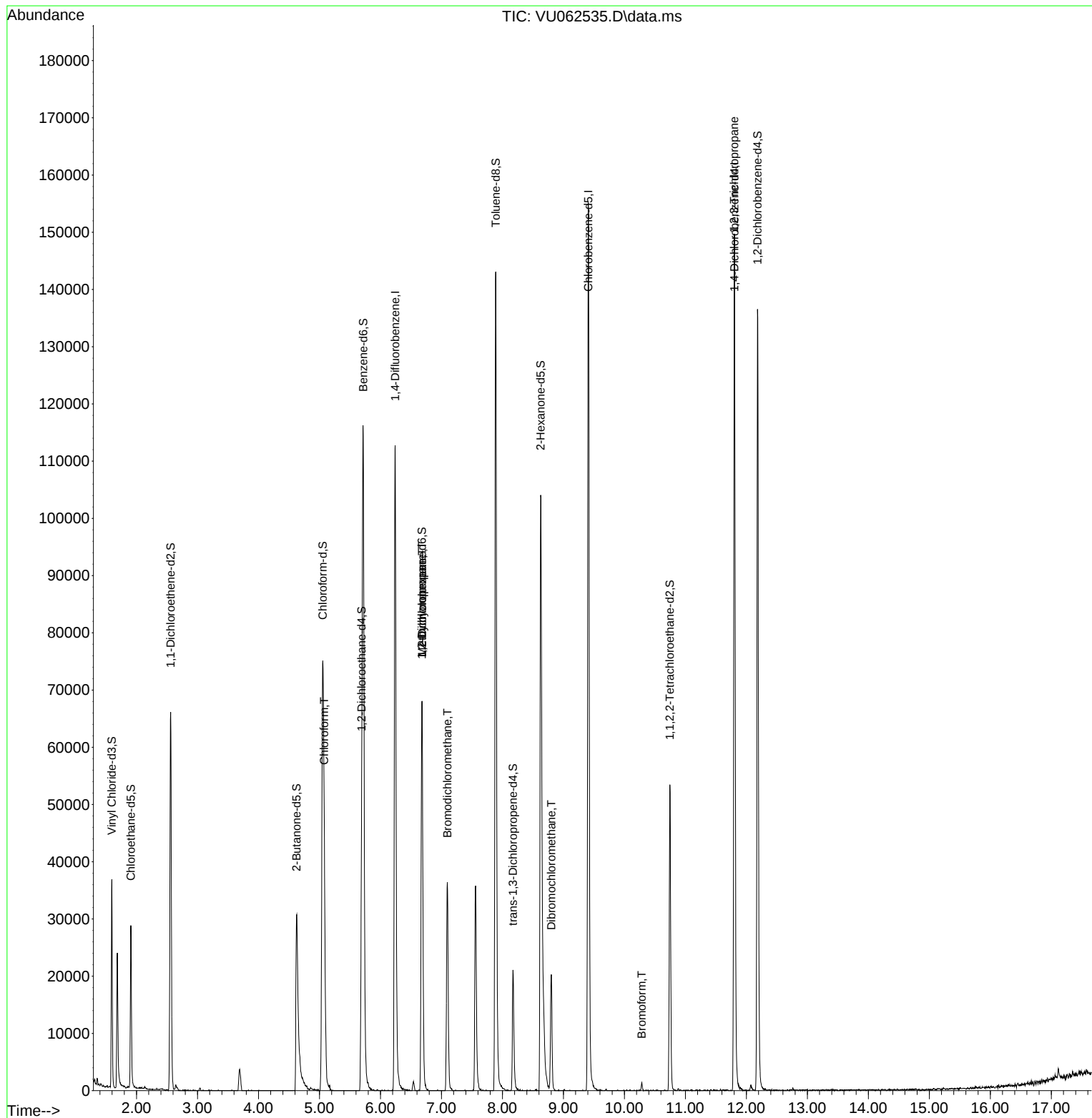
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.241  | 114   | 95297    | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.409  | 117   | 89909    | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.804 | 152   | 42558    | 5.000    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.595  | 65    | 24489    | 3.810    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 76.200%  |
| 7) Chloroethane-d5            | 1.907  | 69    | 19472    | 4.259    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 85.200%  |
| 11) 1,1-Dichloroethene-d2     | 2.560  | 65    | 12772    | 4.177    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 83.600%  |
| 20) 2-Butanone-d5             | 4.624  | 46    | 46187    | 37.493   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 74.980%  |
| 24) Chloroform-d              | 5.052  | 84    | 65315    | 4.695    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 94.000%  |
| 26) 1,2-Dichloroethane-d4     | 5.692  | 65    | 35062    | 5.125    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 102.600% |
| 32) Benzene-d6                | 5.717  | 84    | 107631   | 4.156    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 83.200%  |
| 36) 1,2-Dichloropropane-d6    | 6.679  | 67    | 30648    | 4.136    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 82.800%  |
| 41) Toluene-d8                | 7.891  | 98    | 102157   | 4.176    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 83.600%  |
| 43) trans-1,3-Dichloroprop... | 8.174  | 79    | 13309    | 4.081    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 81.600%  |
| 46) 2-Hexanone-d5             | 8.627  | 63    | 35164    | 35.739   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 71.480%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.746 | 84    | 23997    | 4.162    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 83.200%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.183 | 152   | 37320    | 4.759    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 95.200%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 25) Chloroform                | 5.078  | 83    | 33211    | 2.433    | ug/L   | 99       |
| 35) Methylcyclohexane         | 6.682  | 83    | 8798     | 0.752    | ug/L # | 20       |
| 37) 1,2-Dichloropropane       | 6.682  | 63    | 4030     | 0.594    | ug/L # | 87       |
| 38) Bromodichloromethane      | 7.097  | 83    | 25343    | 2.647    | ug/L   | 98       |
| 49) Dibromochloromethane      | 8.801  | 129   | 11219    | 1.813    | ug/L   | 99       |
| 59) Bromoform                 | 10.283 | 173   | 714      | 0.213    | ug/L # | 70       |
| 61) 1,2,3-Trichloropropane    | 11.801 | 75    | 3704     | 0.941    | ug/L # | 60       |
| -----                         |        |       |          |          |        |          |

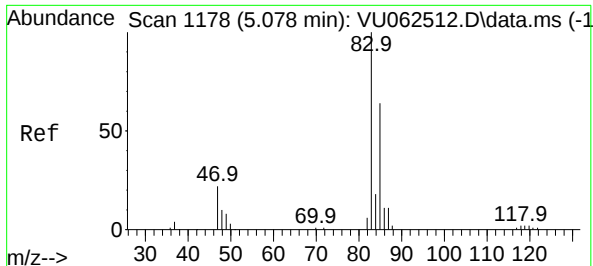
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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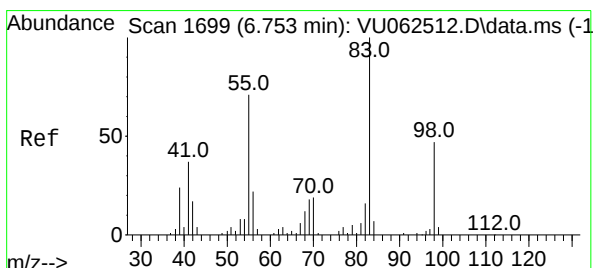
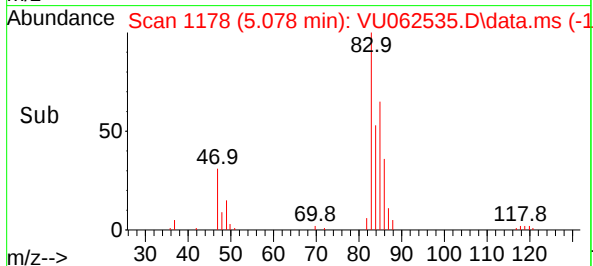
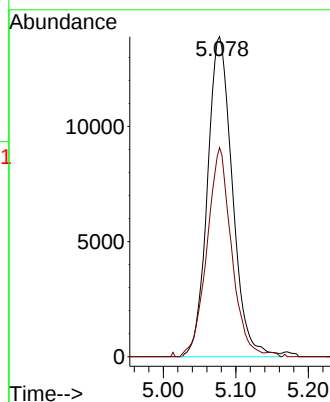
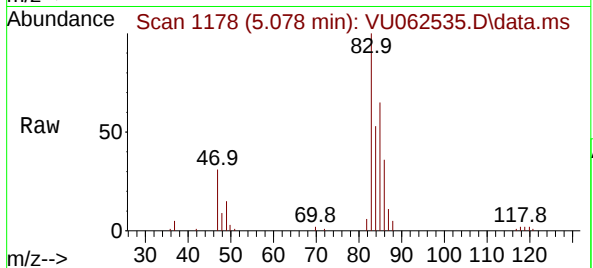




#25  
Chloroform  
Concen: 2.433 ug/L  
RT: 5.078 min Scan# 1178  
Delta R.T. -0.000 min  
Lab File: VU062535.D  
Acq: 20 Dec 2024 19:31

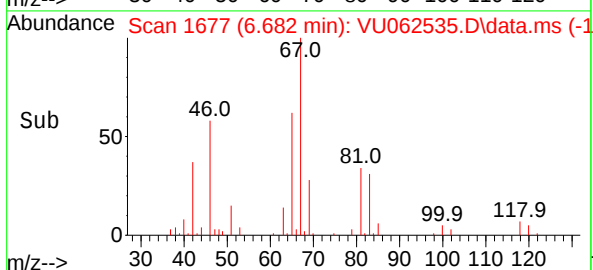
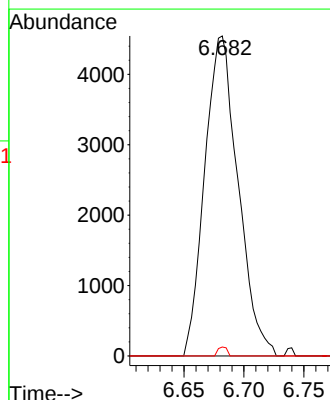
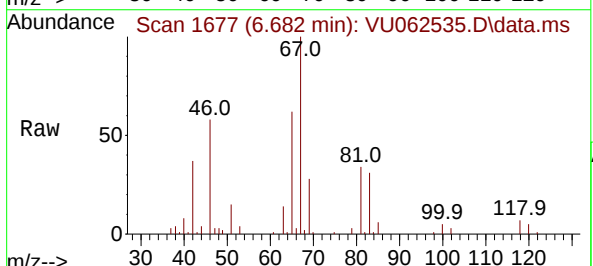
Instrument :  
MSVOA\_U  
ClientSampleId :

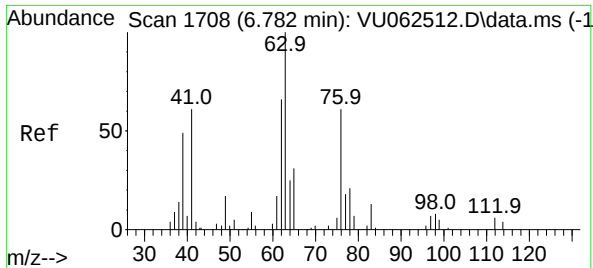
Tgt Ion: 83 Resp: 33211  
Ion Ratio Lower Upper  
83 100  
85 65.3 45.4 84.2



#35  
Methylcyclohexane  
Concen: 0.752 ug/L  
RT: 6.682 min Scan# 1677  
Delta R.T. -0.071 min  
Lab File: VU062535.D  
Acq: 20 Dec 2024 19:31

Tgt Ion: 83 Resp: 8798  
Ion Ratio Lower Upper  
83 100  
55 0.0 60.7 91.1#  
98 0.8 34.8 52.2#

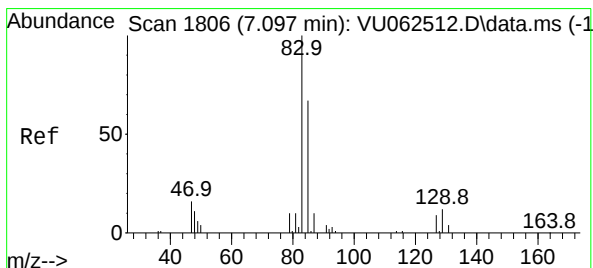
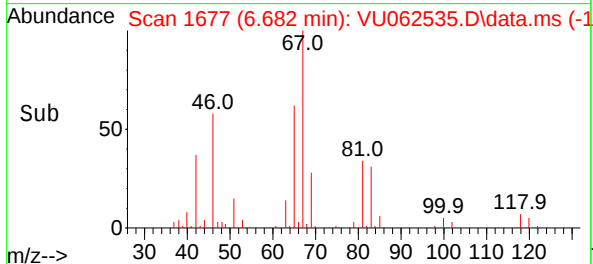
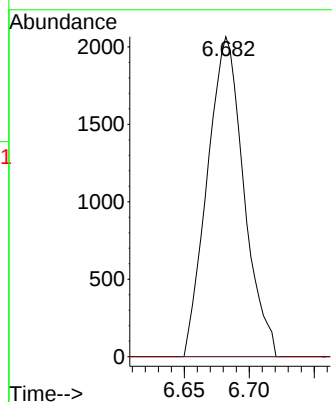
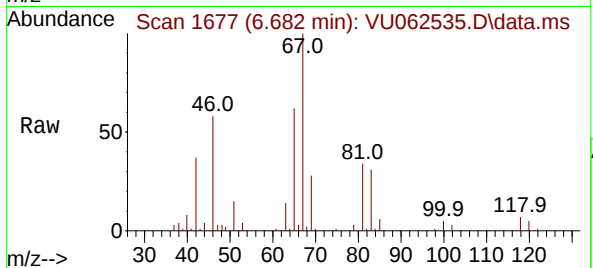




#37  
1,2-Dichloropropane  
Concen: 0.594 ug/L  
RT: 6.682 min Scan# 1  
Delta R.T. -0.100 min  
Lab File: VU062535.D  
Acq: 20 Dec 2024 19:31

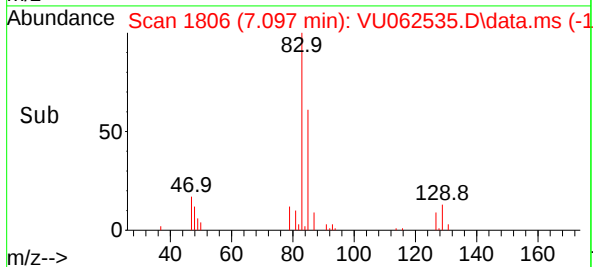
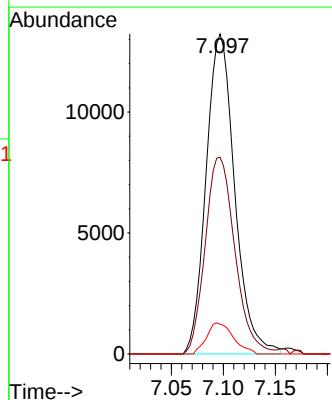
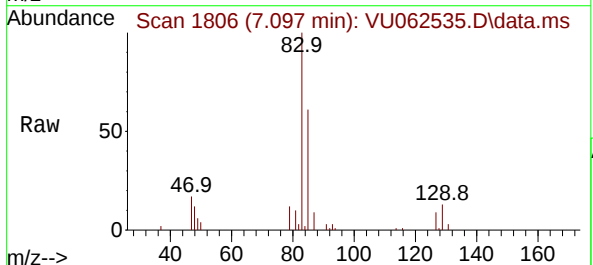
Instrument :  
MSVOA\_U  
ClientSampleId :

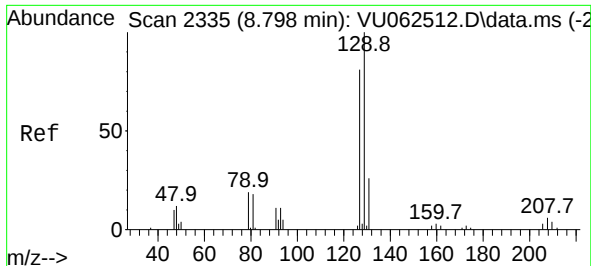
Tgt Ion: 63 Resp: 4030  
Ion Ratio Lower Upper  
63 100  
112 0.0 3.4 5.0#



#38  
Bromodichloromethane  
Concen: 2.647 ug/L  
RT: 7.097 min Scan# 1806  
Delta R.T. -0.000 min  
Lab File: VU062535.D  
Acq: 20 Dec 2024 19:31

Tgt Ion: 83 Resp: 25343  
Ion Ratio Lower Upper  
83 100  
85 61.5 44.1 81.9  
127 9.3 6.9 10.3





#49

Dibromochloromethane

Concen: 1.813 ug/L

RT: 8.801 min Scan# 2336

Delta R.T. 0.003 min

Lab File: VU062535.D

Acq: 20 Dec 2024 19:31

Instrument :

MSVOA\_U

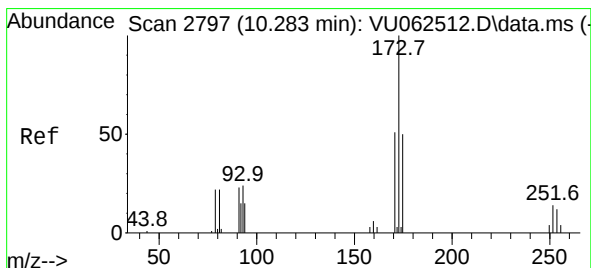
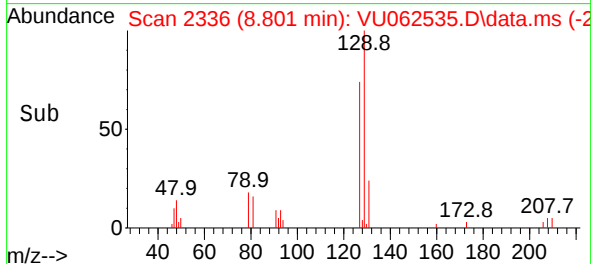
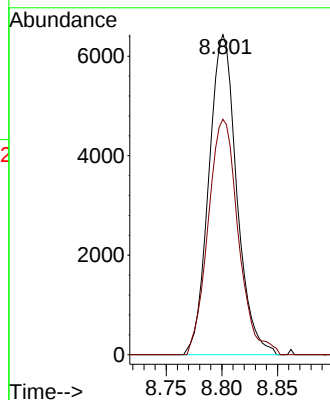
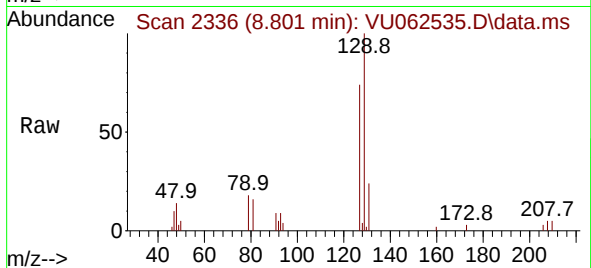
ClientSampleId :

Tgt Ion:129 Resp: 11219

Ion Ratio Lower Upper

129 100

127 73.6 51.1 94.9



#59

Bromoform

Concen: 0.213 ug/L

RT: 10.283 min Scan# 2797

Delta R.T. -0.000 min

Lab File: VU062535.D

Acq: 20 Dec 2024 19:31

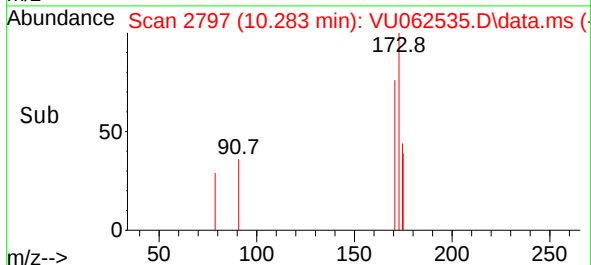
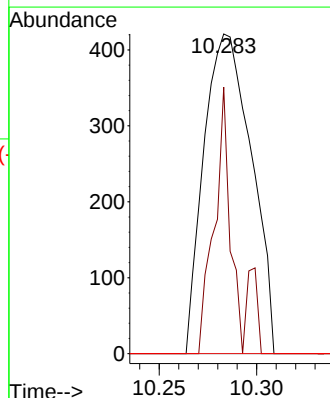
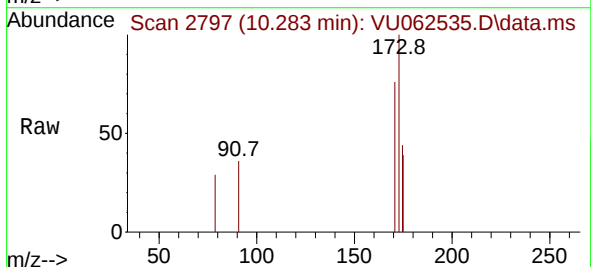
Tgt Ion:173 Resp: 714

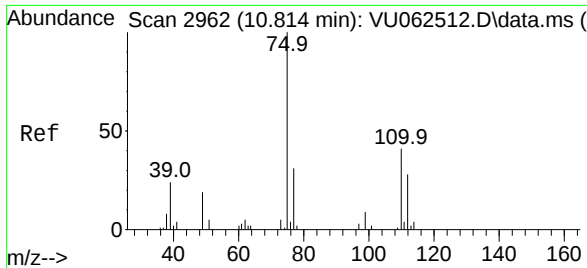
Ion Ratio Lower Upper

173 100

175 27.7 39.0 58.4#

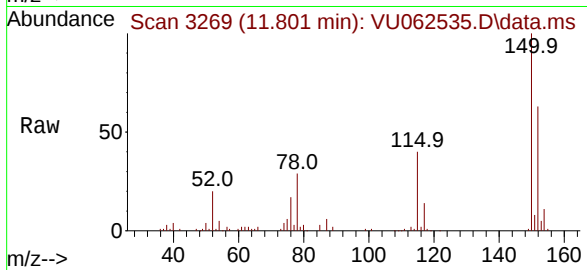
254 0.0 7.4 11.0#





#61  
1,2,3-Trichloropropane  
Concen: 0.941 ug/L  
RT: 11.801 min Scan# 31  
Delta R.T. 0.987 min  
Lab File: VU062535.D  
Acq: 20 Dec 2024 19:31

Instrument :  
MSVOA\_U  
ClientSampleId :



Tgt Ion: 75 Resp: 3704  
Ion Ratio Lower Upper  
75 100  
110 1.1 28.9 43.3#  
77 44.1 26.5 39.7#

