

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU040924\  
 Data File : VU058517.D  
 Acq On : 09 Apr 2024 16:01  
 Operator : MD/SY  
 Sample : P2012-03  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Apr 10 01:16:01 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR040424WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Wed Apr 10 01:12:33 2024  
 Response via : Initial Calibration

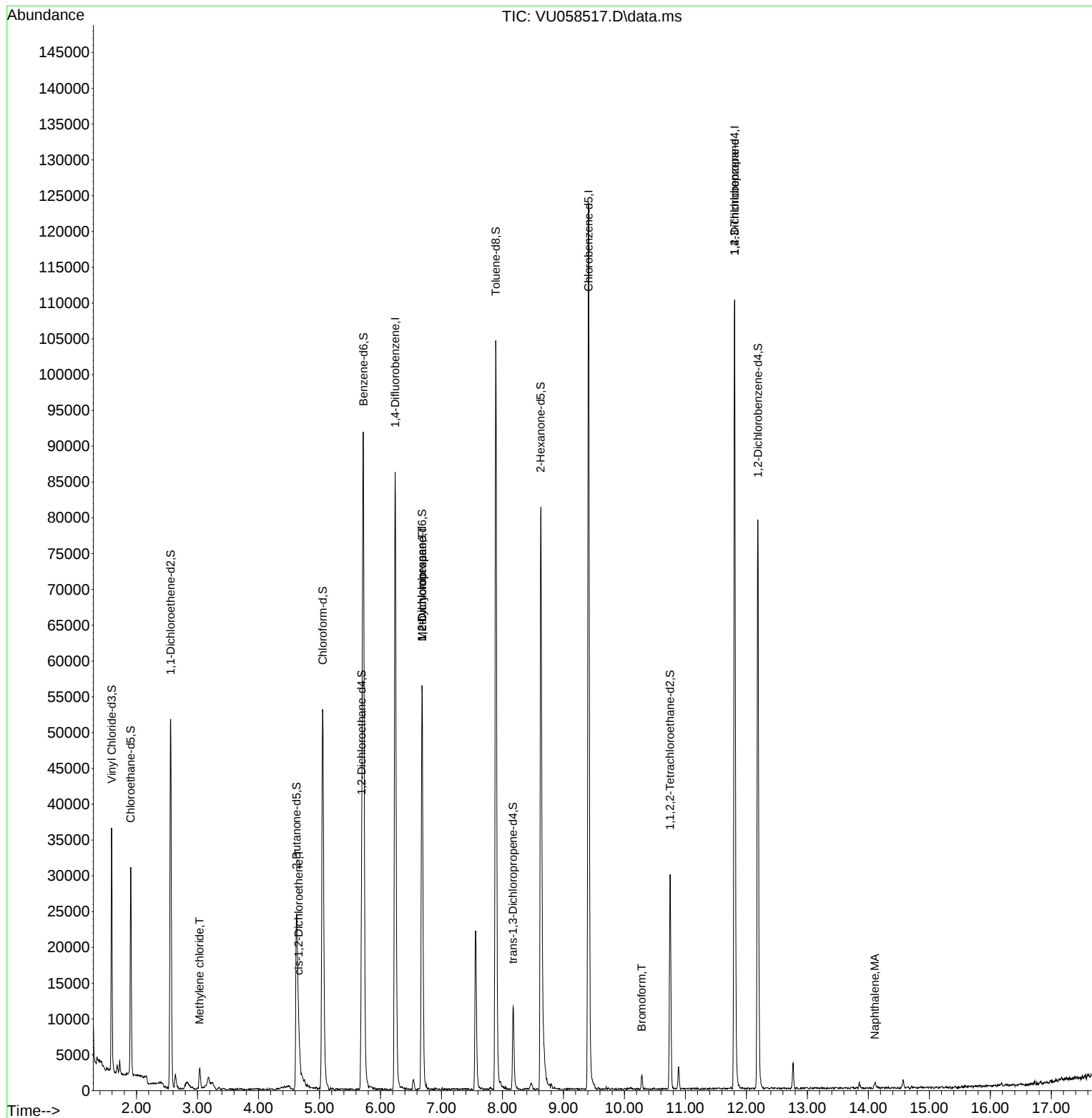
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.242  | 114   | 67862    | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.412  | 117   | 66225    | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.807 | 152   | 29039    | 5.000    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.592  | 65    | 22467    | 5.001    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 100.000% |
| 7) Chloroethane-d5            | 1.904  | 69    | 19910    | 5.099    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 102.000% |
| 11) 1,1-Dichloroethene-d2     | 2.560  | 65    | 10217    | 5.024    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 100.400% |
| 20) 2-Butanone-d5             | 4.624  | 46    | 40347    | 42.613   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 85.220%  |
| 24) Chloroform-d              | 5.052  | 84    | 42563    | 4.746    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 95.000%  |
| 26) 1,2-Dichloroethane-d4     | 5.692  | 65    | 20512    | 4.901    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 98.000%  |
| 32) Benzene-d6                | 5.721  | 84    | 83892    | 4.705    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 94.200%  |
| 36) 1,2-Dichloropropane-d6    | 6.682  | 67    | 26878    | 4.807    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 96.200%  |
| 41) Toluene-d8                | 7.891  | 98    | 70745    | 4.474    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 89.400%  |
| 43) trans-1,3-Dichloroprop... | 8.174  | 79    | 7242     | 4.173    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 83.400%  |
| 46) 2-Hexanone-d5             | 8.627  | 63    | 28236    | 39.443   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 78.880%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.749 | 84    | 15875    | 4.022    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 80.400%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.190 | 152   | 20810    | 4.255    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 85.000%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 16) Methylene chloride        | 3.033  | 84    | 1447     | 0.227    | ug/L   | 81       |
| 22) cis-1,2-Dichloroethene    | 4.660  | 96    | 909      | 0.161    | ug/L   | 95       |
| 35) Methylcyclohexane         | 6.682  | 83    | 5786     | 0.635    | ug/L # | 17       |
| 37) 1,2-Dichloropropane       | 6.682  | 63    | 2866     | 0.454    | ug/L # | 90       |
| 59) Bromoform                 | 10.283 | 173   | 917      | 0.473    | ug/L # | 92       |
| 61) 1,2,3-Trichloropropane    | 11.807 | 75    | 3926     | 1.325    | ug/L # | 70       |
| 71) Naphthalene               | 14.106 | 128   | 1729     | 0.214    | ug/L # | 72       |
| -----                         |        |       |          |          |        |          |

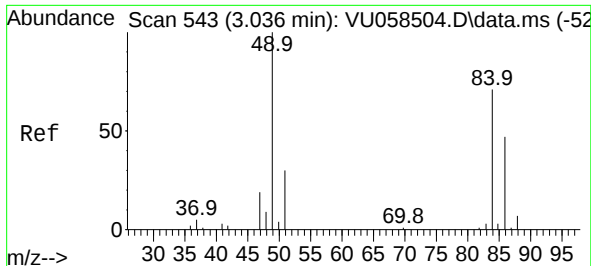
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU040924\  
Data File : VU058517.D  
Acq On : 09 Apr 2024 16:01  
Operator : MD/SY  
Sample : P2012-03  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :

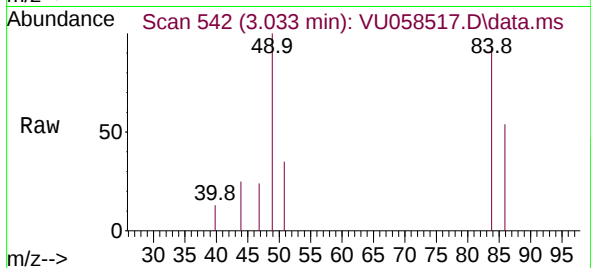
Quant Time: Apr 10 01:16:01 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR040424WMA.M  
Quant Title : TRACE VOA SFAM1.0  
QLast Update : Wed Apr 10 01:12:33 2024  
Response via : Initial Calibration



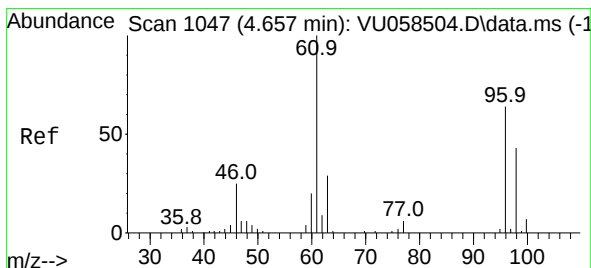
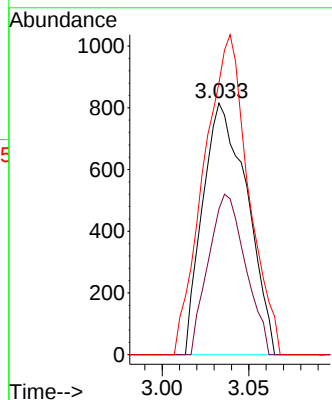
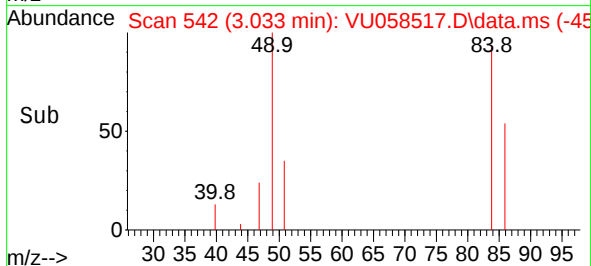


#16  
Methylene chloride  
Concen: 0.227 ug/L  
RT: 3.033 min Scan# 543  
Delta R.T. -0.003 min  
Lab File: VU058517.D  
Acq: 09 Apr 2024 16:01

Instrument :  
MSVOA\_U  
ClientSampleId :

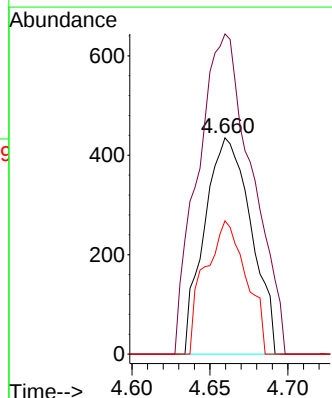
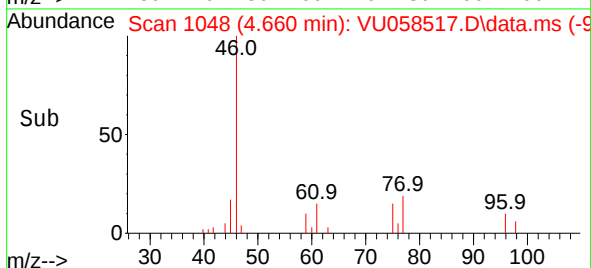
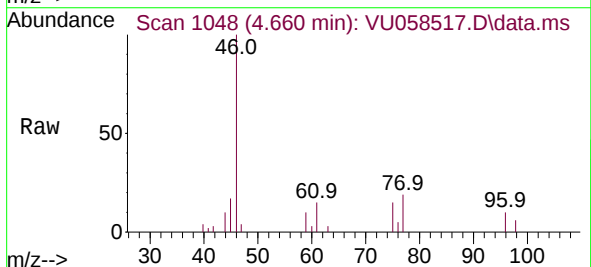


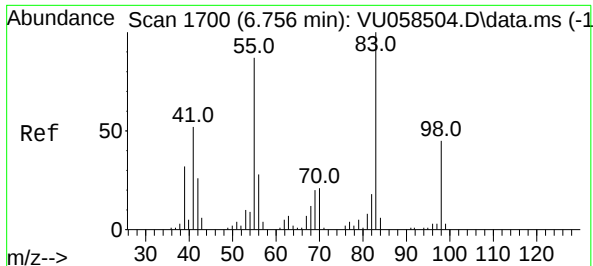
Tgt Ion: 84 Resp: 1447  
Ion Ratio Lower Upper  
84 100  
86 57.9 44.3 82.3  
49 108.0 96.0 178.2



#22  
cis-1,2-Dichloroethene  
Concen: 0.161 ug/L  
RT: 4.660 min Scan# 1048  
Delta R.T. 0.003 min  
Lab File: VU058517.D  
Acq: 09 Apr 2024 16:01

Tgt Ion: 96 Resp: 909  
Ion Ratio Lower Upper  
96 100  
61 148.0 98.1 182.3  
98 61.6 43.6 81.0





#35

Methylcyclohexane

Concen: 0.635 ug/L

RT: 6.682 min Scan# 1

Delta R.T. -0.074 min

Lab File: VU058517.D

Acq: 09 Apr 2024 16:01

Instrument :

MSVOA\_U

ClientSampleId :

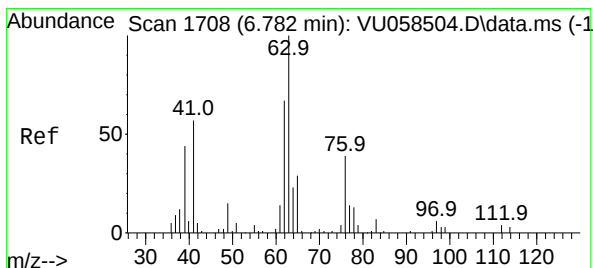
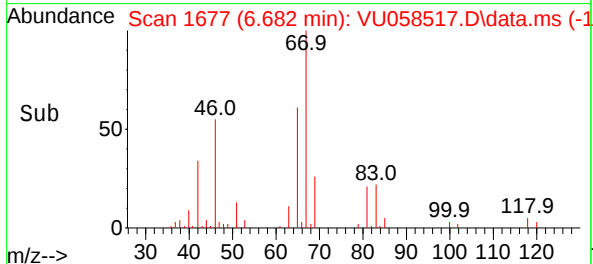
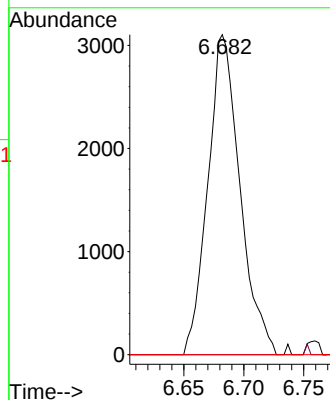
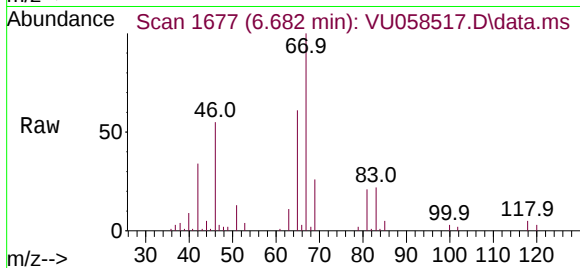
Tgt Ion: 83 Resp: 5786

Ion Ratio Lower Upper

83 100

55 0.3 66.2 99.4#

98 0.0 34.6 52.0#



#37

1,2-Dichloropropane

Concen: 0.454 ug/L

RT: 6.682 min Scan# 1677

Delta R.T. -0.100 min

Lab File: VU058517.D

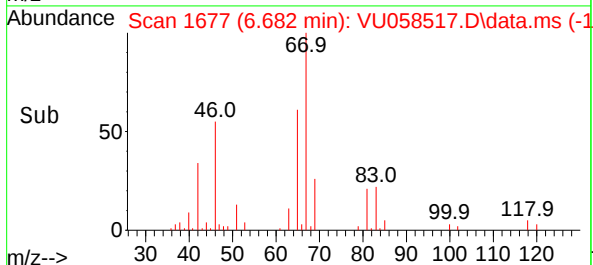
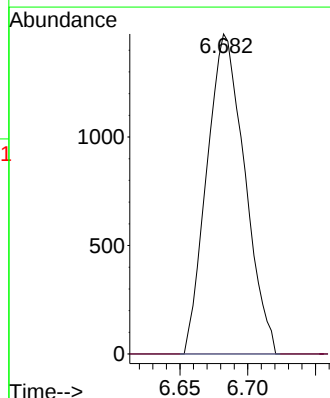
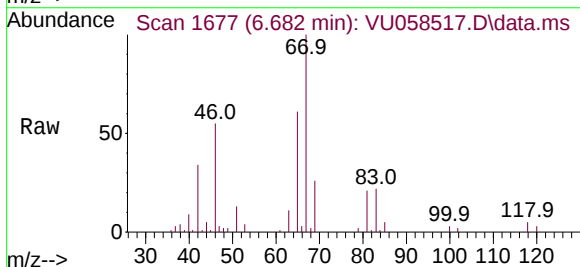
Acq: 09 Apr 2024 16:01

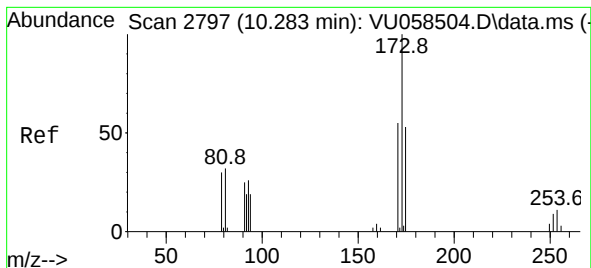
Tgt Ion: 63 Resp: 2866

Ion Ratio Lower Upper

63 100

112 0.0 2.6 4.0#





#59

Bromoform

Concen: 0.473 ug/L

RT: 10.283 min Scan# 21

Delta R.T. -0.000 min

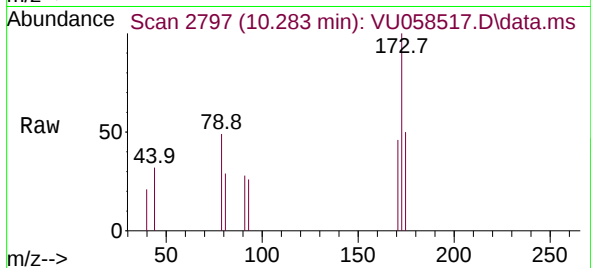
Lab File: VU058517.D

Acq: 09 Apr 2024 16:01

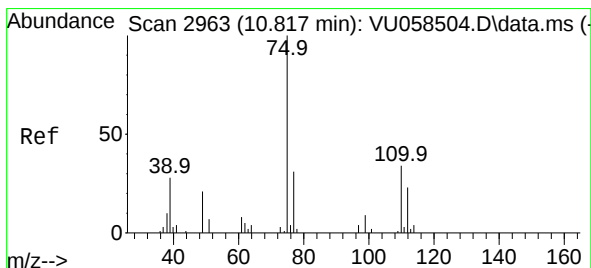
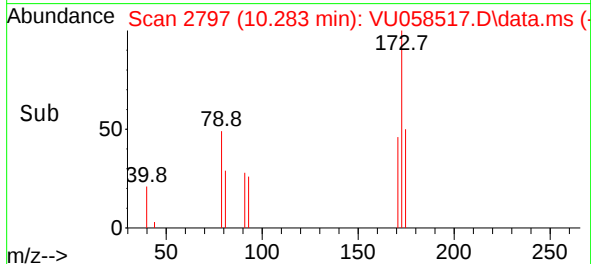
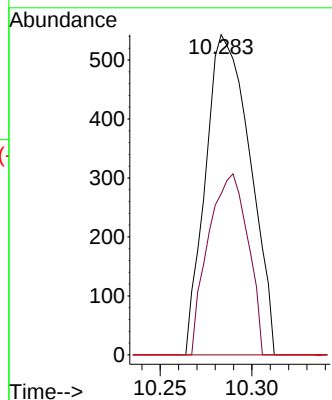
Instrument :

MSVOA\_U

ClientSampleId :



|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 173   | Resp: | 917   |
| Ion Ratio | Lower | Upper |       |
| 173       | 100   |       |       |
| 175       | 50.2  | 38.0  | 57.0  |
| 254       | 0.0   | 7.5   | 11.3# |



#61

1,2,3-Trichloropropane

Concen: 1.325 ug/L

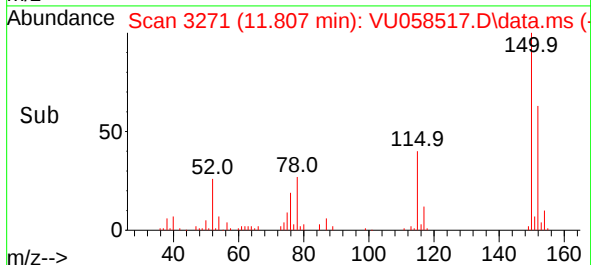
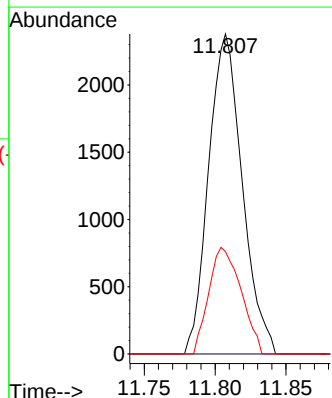
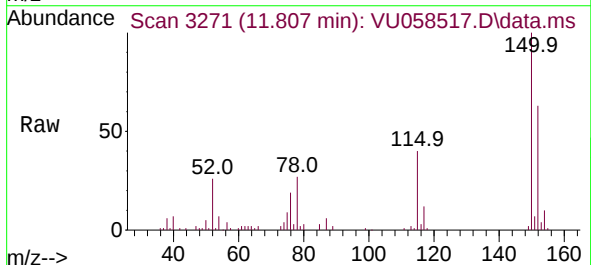
RT: 11.807 min Scan# 3271

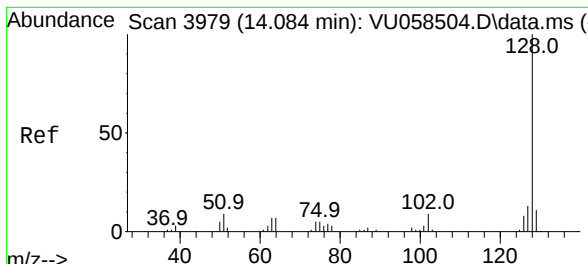
Delta R.T. 0.990 min

Lab File: VU058517.D

Acq: 09 Apr 2024 16:01

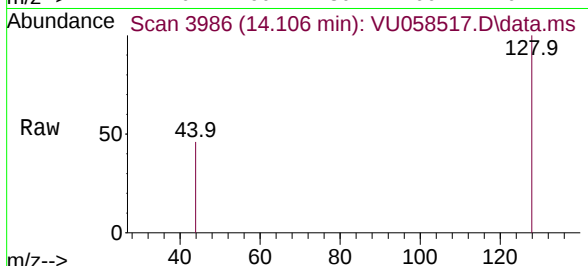
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 3926  |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 110       | 0.0   | 25.8  | 38.6# |
| 77        | 31.9  | 25.1  | 37.7  |





#71  
 Naphthalene  
 Concen: 0.214 ug/L  
 RT: 14.106 min Scan# 3986  
 Delta R.T. 0.022 min  
 Lab File: VU058517.D  
 Acq: 09 Apr 2024 16:01

Instrument :  
 MSVOA\_U  
 ClientSampleId :



Tgt Ion:128 Resp: 1729

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 128 | 100   |       |       |
| 129 | 0.0   | 8.6   | 13.0# |
| 127 | 2.4   | 11.0  | 16.6# |

