

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU062024\  
 Data File : VU059391.D  
 Acq On : 20 Jun 2024 19:51  
 Operator : MD/SY  
 Sample : P2909-01ME  
 Misc : 3.81g/5.0mL/100uL/5.0mL/MSVOA\_U/MEOH  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Jun 21 06:50:10 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM052924WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Jun 21 06:47:42 2024  
 Response via : Initial Calibration

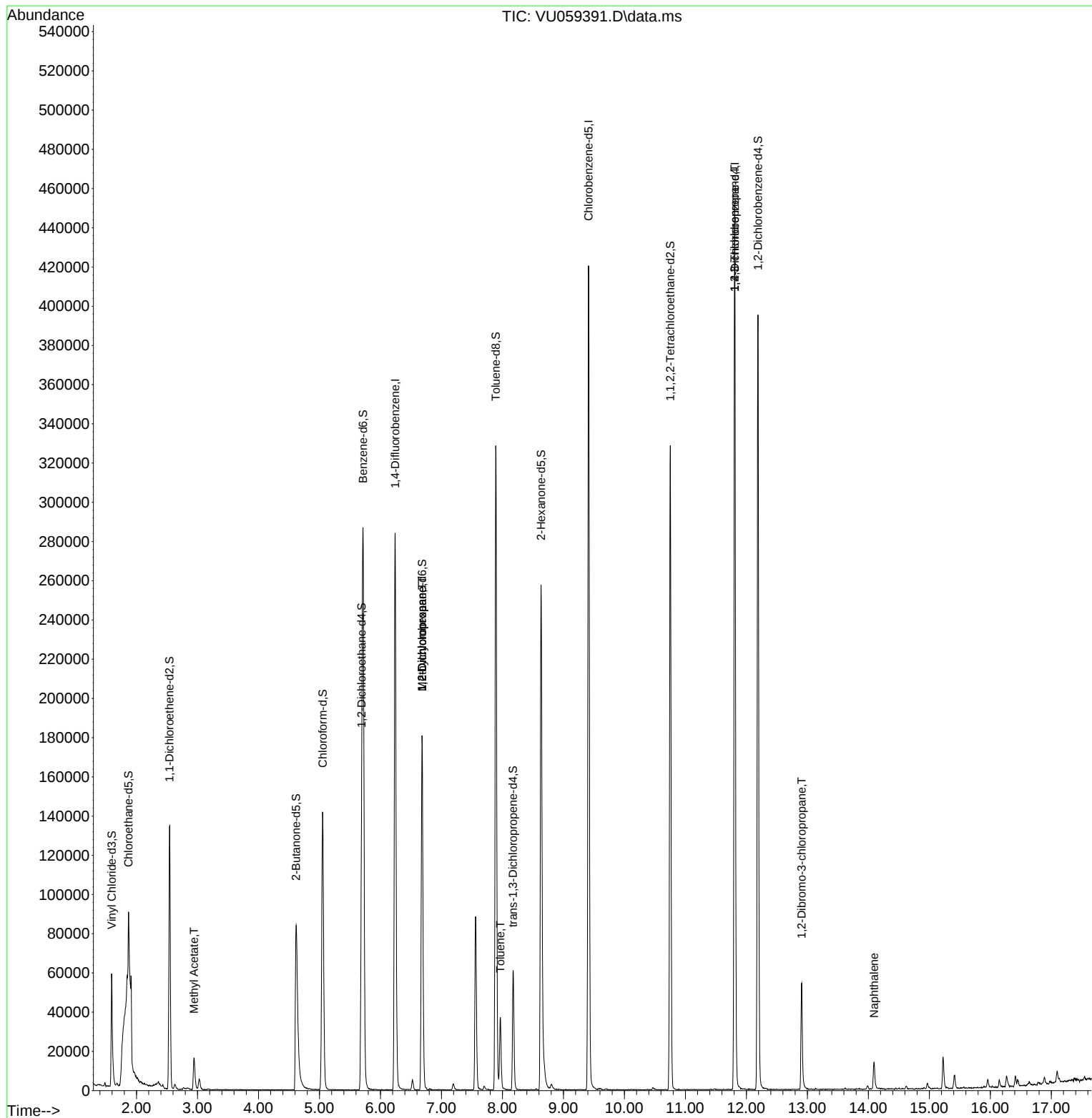
| Compound                      | R.T.    | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|---------|-------|----------|----------|--------|----------|
| -----                         |         |       |          |          |        |          |
| Internal Standards            |         |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.242   | 114   | 240905   | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.412   | 117   | 243186   | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.811  | 152   | 123960   | 50.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |         |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.592   | 65    | 54402    | 37.716   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =      | 75.440%  |
| 7) Chloroethane-d5            | 1.869   | 69    | 32851    | 26.587   | ug/L   | -0.04    |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =      | 53.180%# |
| 11) 1,1-Dichloroethene-d2     | 2.541   | 63    | 79027    | 27.757   | ug/L   | -0.02    |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 55.520%# |
| 21) 2-Butanone-d5             | 4.618   | 46    | 140573   | 103.396  | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =      | 103.400% |
| 24) Chloroform-d              | 5.052   | 84    | 133751   | 46.580   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 93.160%  |
| 26) 1,2-Dichloroethane-d4     | 5.692   | 65    | 87314    | 49.612   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 99.220%  |
| 32) Benzene-d6                | 5.714   | 84    | 267864   | 47.991   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 95.980%  |
| 36) 1,2-Dichloropropane-d6    | 6.682   | 67    | 89806    | 46.665   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =      | 93.340%  |
| 41) Toluene-d8                | 7.891   | 98    | 228616   | 48.250   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 96.500%  |
| 43) trans-1,3-Dichloroprop... | 8.174   | 79    | 35718    | 45.915   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 91.840%  |
| 47) 2-Hexanone-d5             | 8.634   | 63    | 100879   | 113.355  | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =      | 113.360% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.753  | 84    | 171105   | 52.534   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =      | 105.060% |
| 66) 1,2-Dichlorobenzene-d4    | 12.190  | 152   | 108572   | 58.691   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 117.380% |
| Target Compounds              |         |       |          |          |        |          |
|                               |         |       |          |          | Qvalue |          |
| 15) Methyl Acetate            | 2.943   | 43    | 21164    | 8.361    | ug/L   | 95       |
| 35) Methylcyclohexane         | 6.682   | 83    | 20677    | 6.540    | ug/L # | 18       |
| 37) 1,2-Dichloropropane       | 6.682   | 63    | 9227     | 3.700    | ug/L # | 90       |
| 42) Toluene                   | 7.965   | 91    | 27600    | 3.131    | ug/L   | 97       |
| 60) 1,2,3-Trichloropropane    | 11.807  | 75    | 14796    | 4.292    | ug/L # | 69       |
| 68) 1,2-Dibromo-3-chloropr... | 12.907  | 75    | 1725     | 1.974    | ug/L # | 8        |
| 71) Naphthalene               | 14.093  | 128   | 13797    | 2.027    | ug/L   | 99       |
| -----                         |         |       |          |          |        |          |

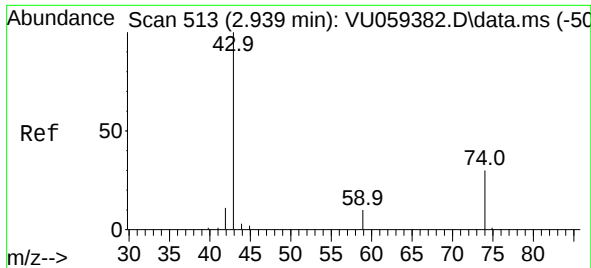
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis  
QLast Update : Fri Jun 21 06:47:42 2024  
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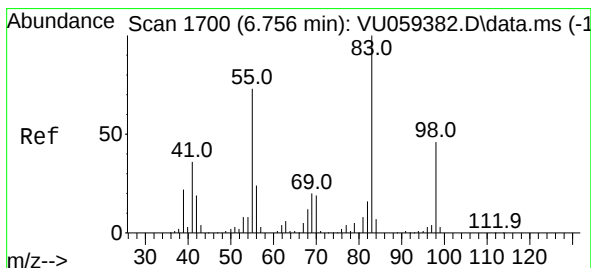
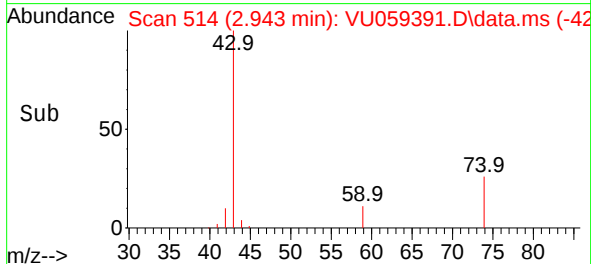
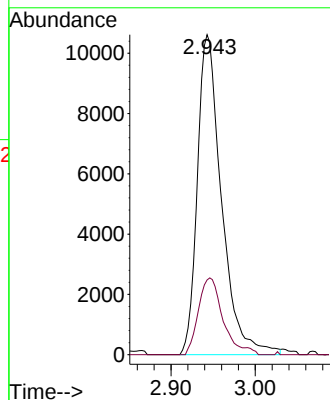
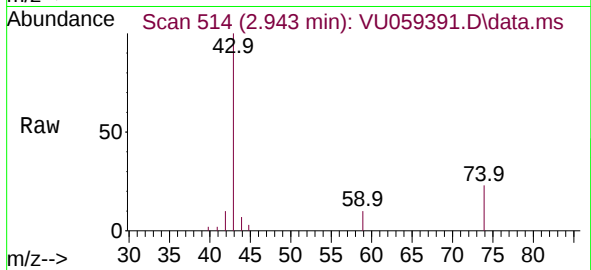




#15  
Methyl Acetate  
Concen: 8.361 ug/L  
RT: 2.943 min Scan# 513  
Delta R.T. 0.003 min  
Lab File: VU059391.D  
Acq: 20 Jun 2024 19:51

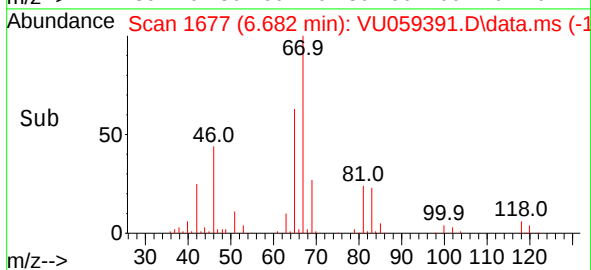
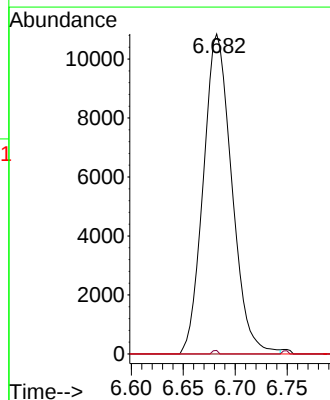
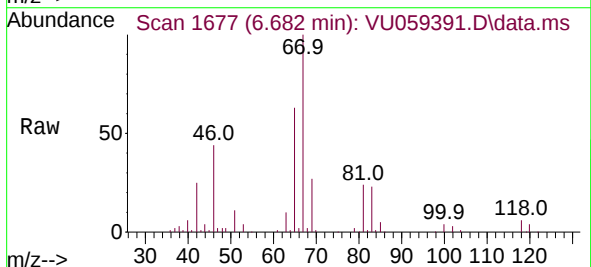
Instrument :  
MSVOA\_U  
ClientSampleId :

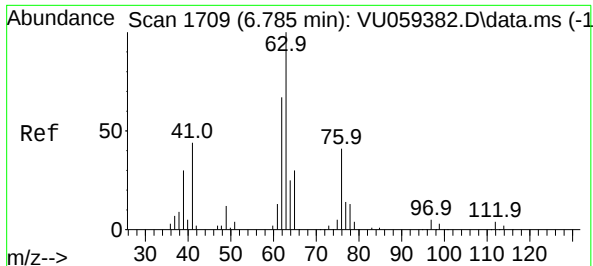
Tgt Ion: 43 Resp: 21164  
Ion Ratio Lower Upper  
43 100  
74 23.6 20.8 31.2



#35  
Methylcyclohexane  
Concen: 6.540 ug/L  
RT: 6.682 min Scan# 1677  
Delta R.T. -0.074 min  
Lab File: VU059391.D  
Acq: 20 Jun 2024 19:51

Tgt Ion: 83 Resp: 20677  
Ion Ratio Lower Upper  
83 100  
55 0.2 63.9 95.9#  
98 0.2 34.7 52.1#

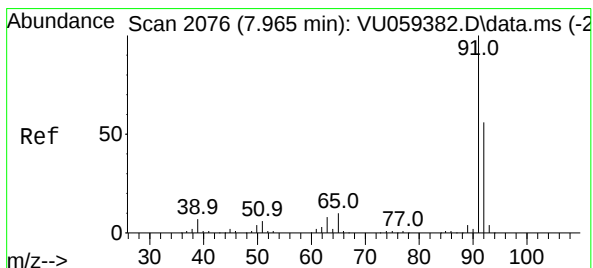
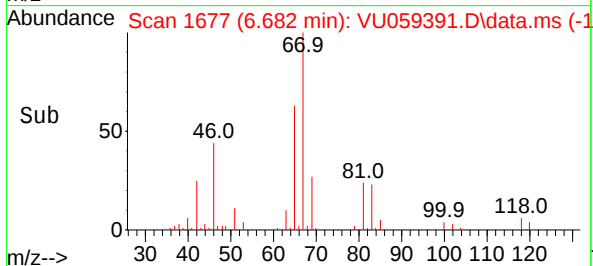
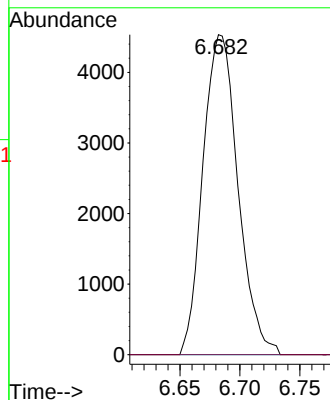
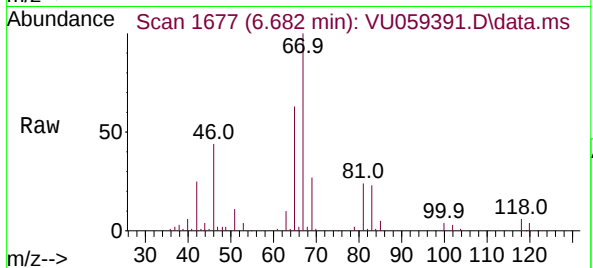




#37  
1,2-Dichloropropane  
Concen: 3.700 ug/L  
RT: 6.682 min Scan# 1  
Delta R.T. -0.103 min  
Lab File: VU059391.D  
Acq: 20 Jun 2024 19:51

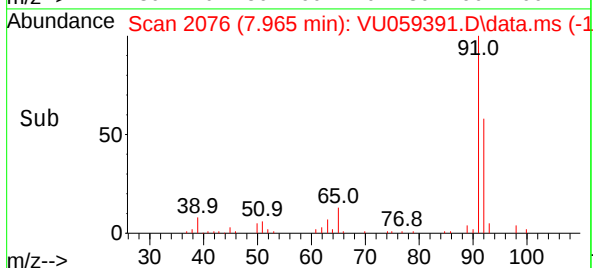
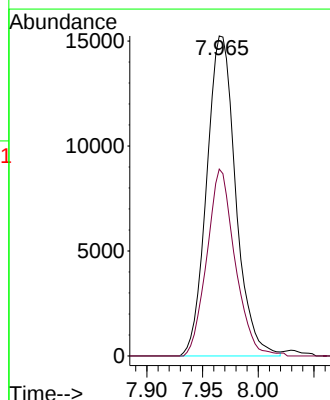
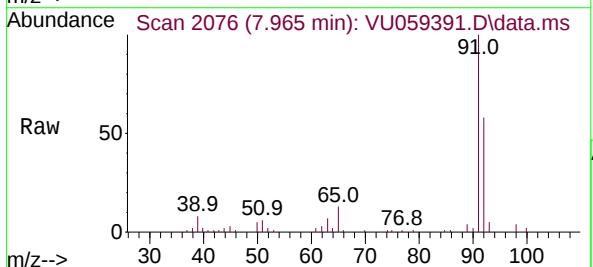
Instrument :  
MSVOA\_U  
ClientSampleId :

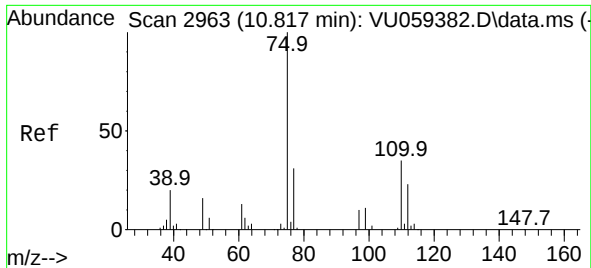
Tgt Ion: 63 Resp: 9227  
Ion Ratio Lower Upper  
63 100  
112 0.0 2.6 4.0#



#42  
Toluene  
Concen: 3.131 ug/L  
RT: 7.965 min Scan# 2076  
Delta R.T. 0.000 min  
Lab File: VU059391.D  
Acq: 20 Jun 2024 19:51

Tgt Ion: 91 Resp: 27600  
Ion Ratio Lower Upper  
91 100  
92 58.4 39.4 73.2





#60

1,2,3-Trichloropropane

Concen: 4.292 ug/L

RT: 11.807 min Scan# 31

Delta R.T. 0.990 min

Lab File: VU059391.D

Acq: 20 Jun 2024 19:51

Instrument :

MSVOA\_U

ClientSampleId :

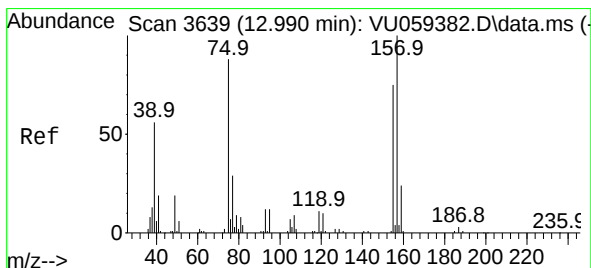
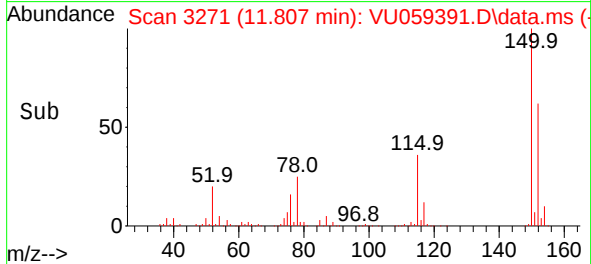
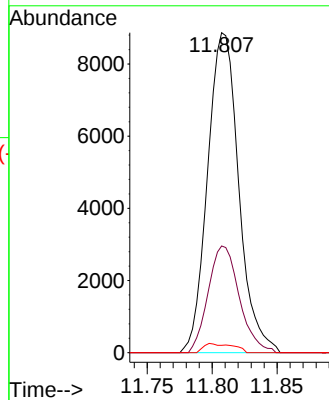
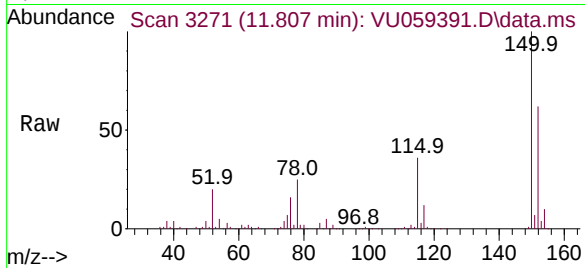
Tgt Ion: 75 Resp: 14796

Ion Ratio Lower Upper

75 100

77 33.3 26.2 39.2

110 1.3 28.4 42.6#



#68

1,2-Dibromo-3-chloropropane

Concen: 1.974 ug/L

RT: 12.907 min Scan# 3613

Delta R.T. -0.084 min

Lab File: VU059391.D

Acq: 20 Jun 2024 19:51

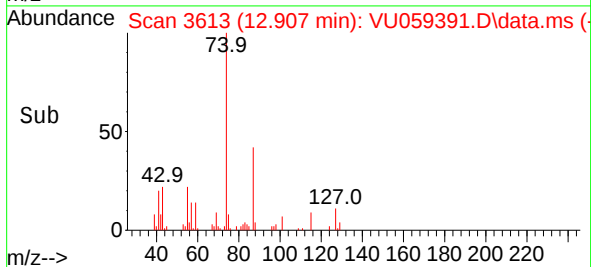
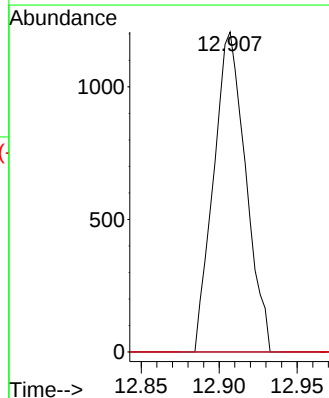
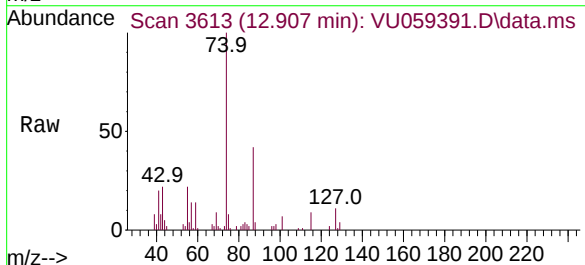
Tgt Ion: 75 Resp: 1725

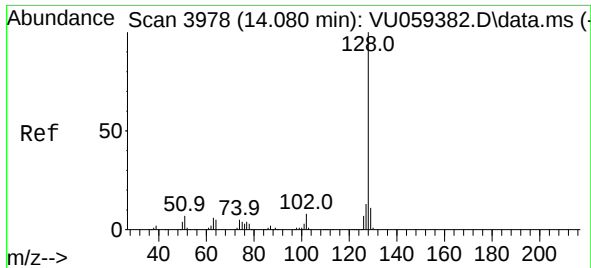
Ion Ratio Lower Upper

75 100

155 0.0 57.5 86.3#

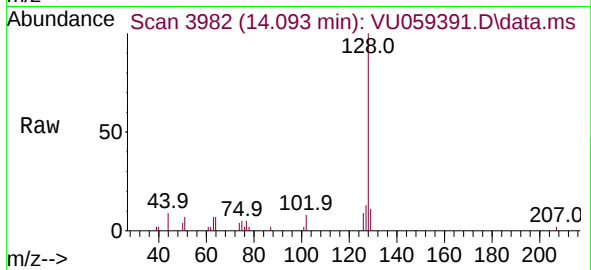
157 0.0 73.4 110.2#





#71  
Naphthalene  
Concen: 2.027 ug/L  
RT: 14.093 min Scan# 3978  
Delta R.T. 0.013 min  
Lab File: VU059391.D  
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MSVOA\_U  
ClientSampleId :



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 128   | Resp: | 13797 |
| Ion      | Ratio | Lower | Upper |
| 128      | 100   |       |       |
| 127      | 13.3  | 10.4  | 15.6  |
| 129      | 10.7  | 8.5   | 12.7  |

