

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV070124\  
 Data File : VV036380.D  
 Acq On : 01 Jul 2024 16:57  
 Operator : SY/MD  
 Sample : P3087-06  
 Misc : 5.59g/10.0mL/MSVOA\_V/SOIL/A  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Jul 02 02:40:14 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM062724SMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Jul 02 02:29:42 2024  
 Response via : Initial Calibration

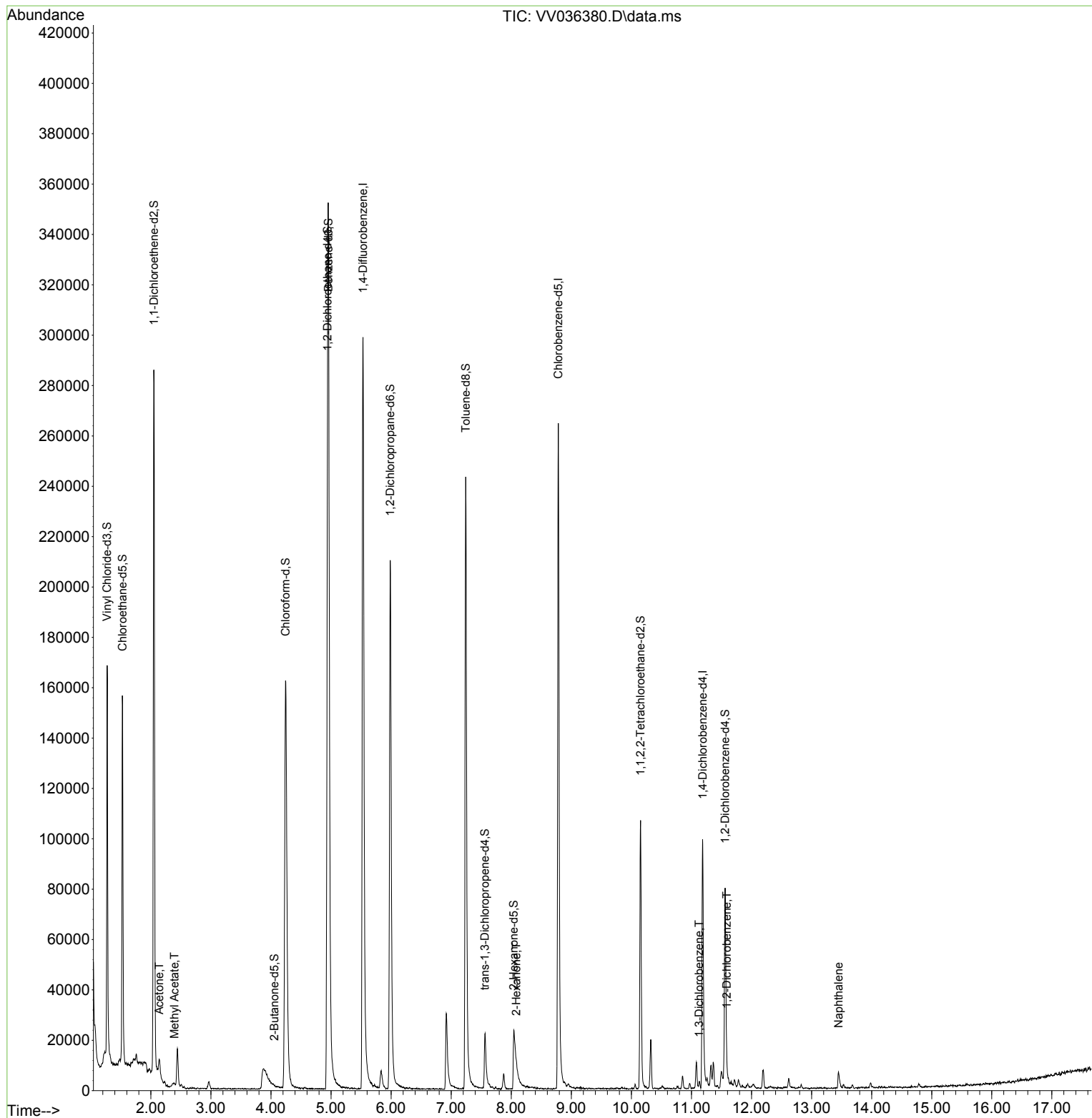
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min)  |
|-------------------------------|--------|-------|----------|----------|--------|-----------|
| -----                         |        |       |          |          |        |           |
| Internal Standards            |        |       |          |          |        |           |
| 1) 1,4-Difluorobenzene        | 5.532  | 114   | 269416   | 25.000   | ug/L   | 0.00      |
| 28) Chlorobenzene-d5          | 8.783  | 117   | 158464   | 25.000   | ug/L   | 0.00      |
| 58) 1,4-Dichlorobenzene-d4    | 11.188 | 152   | 28478    | 25.000   | ug/L   | 0.00      |
| System Monitoring Compounds   |        |       |          |          |        |           |
| 4) Vinyl Chloride-d3          | 1.272  | 65    | 104237   | 22.781   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 91.120%   |
| 7) Chloroethane-d5            | 1.526  | 69    | 96803    | 26.488   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 105.960%  |
| 11) 1,1-Dichloroethene-d2     | 2.050  | 65    | 46435    | 21.588   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 86.360%   |
| 21) 2-Butanone-d5             | 4.056  | 46    | 148      | 0.139    | ug/L   | 0.20      |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 0.280%#   |
| 24) Chloroform-d              | 4.243  | 84    | 180124   | 22.650   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 90.600%   |
| 26) 1,2-Dichloroethane-d4     | 4.941  | 65    | 101545   | 23.944   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 95.760%   |
| 32) Benzene-d6                | 4.957  | 84    | 309571   | 34.607   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 138.440%# |
| 36) 1,2-Dichloropropane-d6    | 5.986  | 67    | 103951   | 38.634   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 154.520%# |
| 41) Toluene-d8                | 7.243  | 98    | 176802   | 21.921   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 87.680%   |
| 43) trans-1,3-Dichloroprop... | 7.561  | 79    | 15543    | 12.936   | ug/L   | 0.01      |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 51.760%   |
| 47) 2-Hexanone-d5             | 8.040  | 63    | 6969     | 16.226   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 32.460%   |
| 56) 1,1,2,2-Tetrachloroeth... | 10.153 | 84    | 53645    | 24.322   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 97.280%   |
| 66) 1,2-Dichlorobenzene-d4    | 11.561 | 152   | 21089    | 20.321   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 81.280%   |
| Target Compounds              |        |       |          |          |        |           |
|                               |        |       |          |          | Qvalue |           |
| 13) Acetone                   | 2.140  | 43    | 3482     | 2.427    | ug/L # | 82        |
| 15) Methyl Acetate            | 2.391  | 43    | 669      | 0.362    | ug/L   | 97        |
| 48) 2-Hexanone                | 8.085  | 43    | 8324     | 7.828    | ug/L # | 36        |
| 64) 1,3-Dichlorobenzene       | 11.130 | 146   | 836      | 0.466    | ug/L   | 97        |
| 67) 1,2-Dichlorobenzene       | 11.587 | 146   | 1171     | 0.684    | ug/L # | 88        |
| 71) Naphthalene               | 13.448 | 128   | 5581     | 2.906    | ug/L   | 97        |
| -----                         |        |       |          |          |        |           |

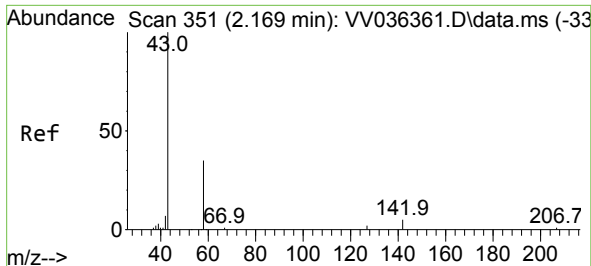
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Jul 02 02:29:42 2024  
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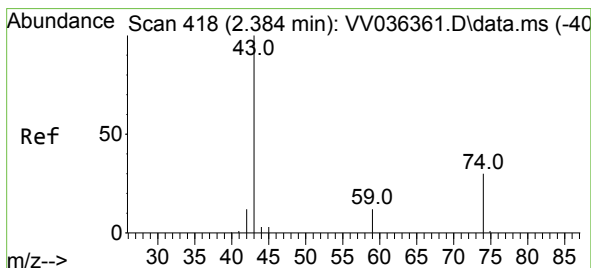
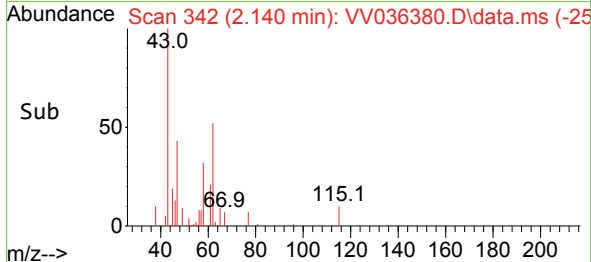
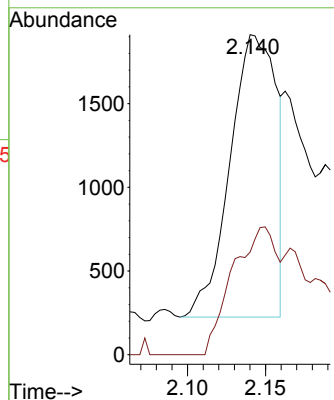
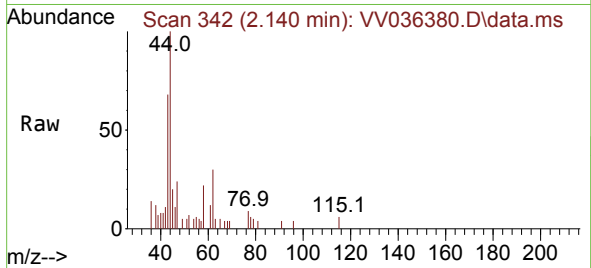




#13  
Acetone  
Concen: 2.427 ug/L  
RT: 2.140 min Scan# 34  
Delta R.T. -0.029 min  
Lab File: VV036380.D  
Acq: 01 Jul 2024 16:57

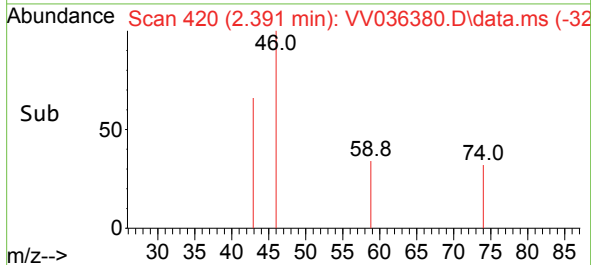
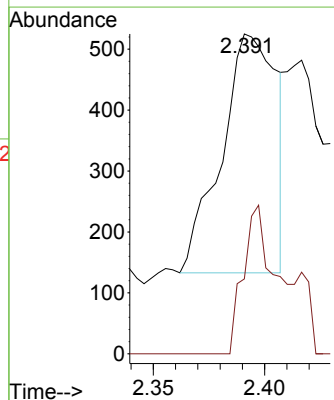
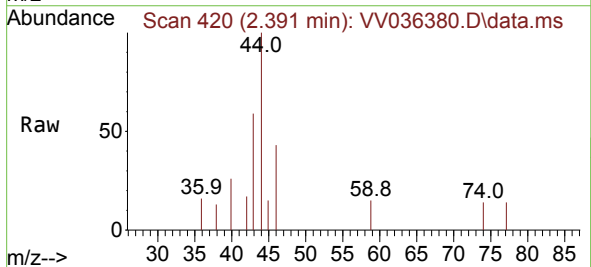
Instrument :  
MSVOA\_V  
ClientSampleId :

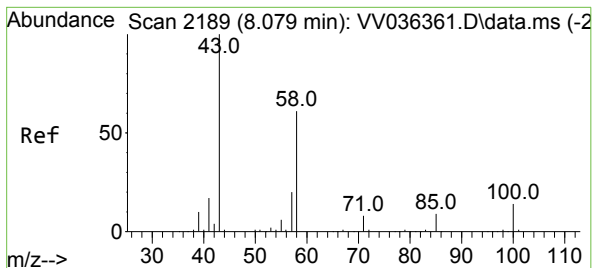
Tgt Ion: 43 Resp: 3482  
Ion Ratio Lower Upper  
43 100  
58 17.4 0.0 0.6#



#15  
Methyl Acetate  
Concen: 0.362 ug/L  
RT: 2.391 min Scan# 420  
Delta R.T. 0.007 min  
Lab File: VV036380.D  
Acq: 01 Jul 2024 16:57

Tgt Ion: 43 Resp: 669  
Ion Ratio Lower Upper  
43 100  
74 28.3 23.8 35.6





#48

2-Hexanone

Concen: 7.828 ug/L

RT: 8.085 min Scan# 2189

Delta R.T. 0.007 min

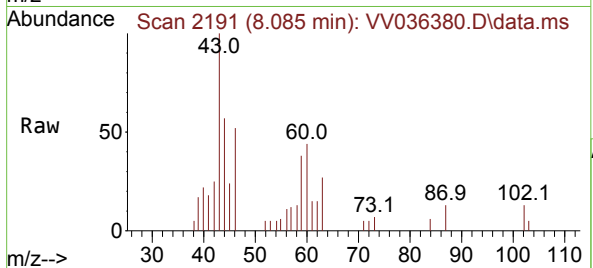
Lab File: VV036380.D

Acq: 01 Jul 2024 16:57

Instrument :

MSVOA\_V

ClientSampleId :



Tgt Ion: 43 Resp: 8324

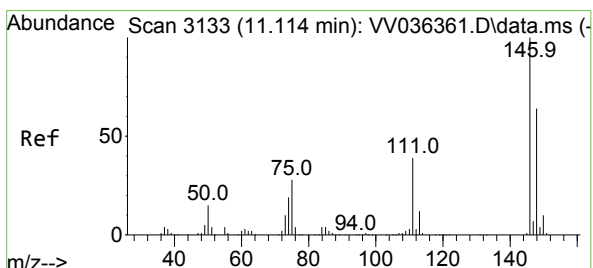
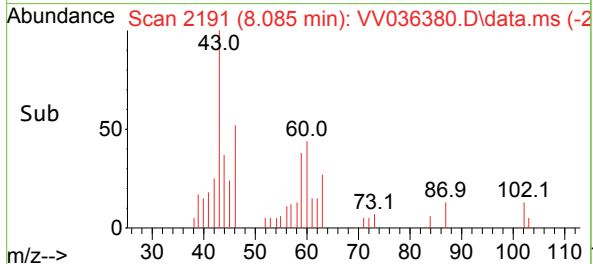
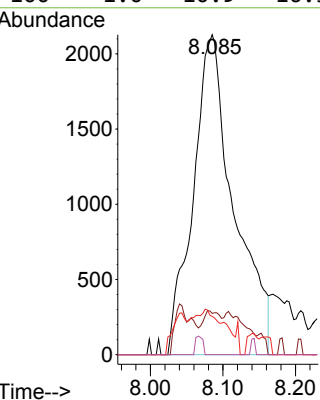
Ion Ratio Lower Upper

43 100

58 1.1 48.5 72.7#

57 0.5 15.8 23.6#

100 1.0 10.9 16.3#



#64

1,3-Dichlorobenzene

Concen: 0.466 ug/L

RT: 11.130 min Scan# 3138

Delta R.T. 0.016 min

Lab File: VV036380.D

Acq: 01 Jul 2024 16:57

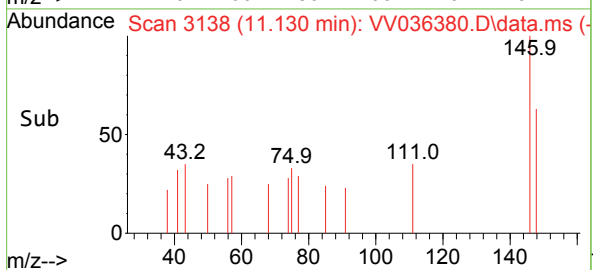
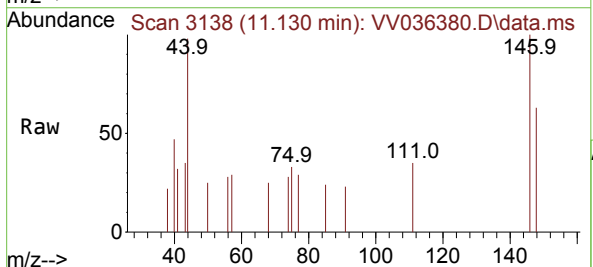
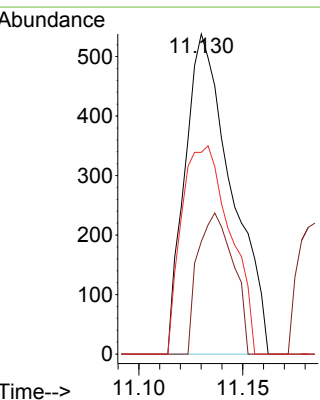
Tgt Ion: 146 Resp: 836

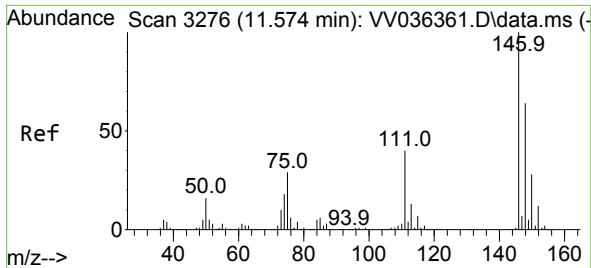
Ion Ratio Lower Upper

146 100

111 35.1 27.5 51.1

148 63.0 44.9 83.3

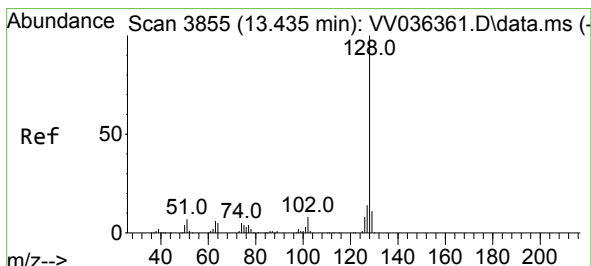
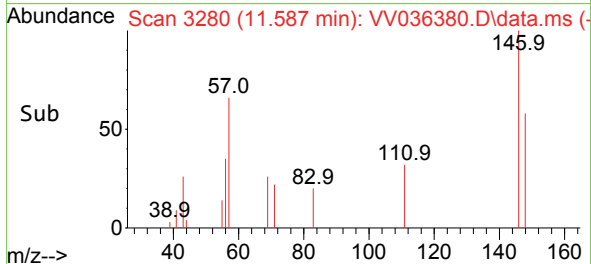
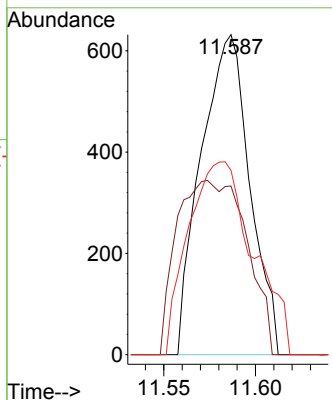
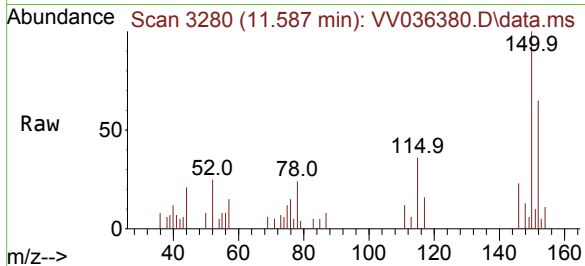




#67  
1,2-Dichlorobenzene  
Concen: 0.684 ug/L  
RT: 11.587 min Scan# 311  
Delta R.T. 0.013 min  
Lab File: VV036380.D  
Acq: 01 Jul 2024 16:57

Instrument :  
MSVOA\_V  
ClientSampleId :

Tgt Ion:146 Resp: 1171  
Ion Ratio Lower Upper  
146 100  
111 52.7 33.3 49.9#  
148 57.6 51.1 76.7



#71  
Naphthalene  
Concen: 2.906 ug/L  
RT: 13.448 min Scan# 3859  
Delta R.T. 0.013 min  
Lab File: VV036380.D  
Acq: 01 Jul 2024 16:57

Tgt Ion:128 Resp: 5581  
Ion Ratio Lower Upper  
128 100  
127 14.7 10.8 16.2  
129 9.6 8.6 13.0

