

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV061924\  
 Data File : VV036146.D  
 Acq On : 19 Jun 2024 18:37  
 Operator : SY/MD  
 Sample : P2873-20  
 Misc : 2.24g/10.0mL/MSVOA\_V/SOIL/B  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Jun 20 05:18:32 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM053024SMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Jun 20 05:02:48 2024  
 Response via : Initial Calibration

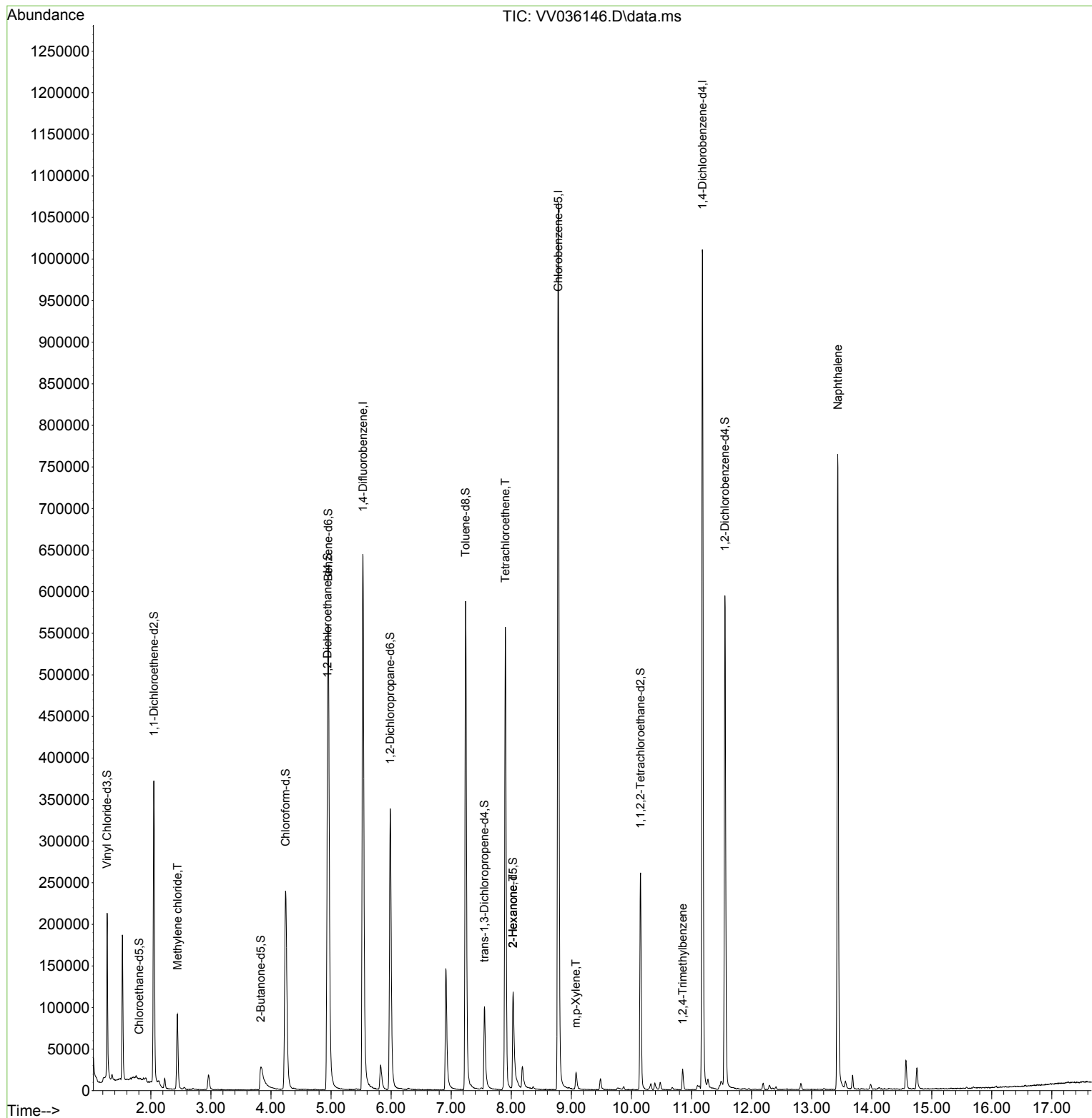
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.532  | 114   | 563885   | 25.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.783  | 117   | 588404   | 25.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.185 | 152   | 259010   | 25.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.272  | 65    | 131597   | 12.694   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 50.760%  |
| 7) Chloroethane-d5            | 1.805  | 69    | 178      | 0.022    | ug/L   | 0.28     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 0.080%#  |
| 11) 1,1-Dichloroethene-d2     | 2.050  | 65    | 62364    | 13.513   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 54.040%  |
| 21) 2-Butanone-d5             | 3.831  | 46    | 44801    | 18.835   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 37.680%  |
| 24) Chloroform-d              | 4.243  | 84    | 261984   | 14.614   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 58.440%  |
| 26) 1,2-Dichloroethane-d4     | 4.940  | 65    | 153037   | 16.282   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 65.120%# |
| 32) Benzene-d6                | 4.953  | 84    | 500629   | 14.313   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 57.240%  |
| 36) 1,2-Dichloropropane-d6    | 5.985  | 67    | 171113   | 15.535   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 62.160%# |
| 41) Toluene-d8                | 7.239  | 98    | 409673   | 13.275   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 53.080%  |
| 43) trans-1,3-Dichloroprop... | 7.554  | 79    | 63925    | 14.155   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 56.600%  |
| 47) 2-Hexanone-d5             | 8.030  | 63    | 45253    | 30.325   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 60.640%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.152 | 84    | 128940   | 15.666   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 62.680%  |
| 66) 1,2-Dichlorobenzene-d4    | 11.557 | 152   | 151735   | 15.975   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 63.920%# |
| Target Compounds              |        |       |          |          |        |          |
| 16) Methylene chloride        | 2.442  | 84    | 38647    | 3.029    | ug/L   | 98       |
| 46) Tetrachloroethene         | 7.902  | 164   | 124467   | 14.429   | ug/L   | 98       |
| 48) 2-Hexanone                | 8.030  | 43    | 5711     | 1.331    | ug/L # | 73       |
| 53) m,p-Xylene                | 9.079  | 106   | 6231     | 0.394    | ug/L   | 97       |
| 63) 1,2,4-Trimethylbenzene    | 10.853 | 105   | 13201    | 0.508    | ug/L   | 98       |
| 71) Naphthalene               | 13.435 | 128   | 580032   | 34.581   | ug/L   | 99       |

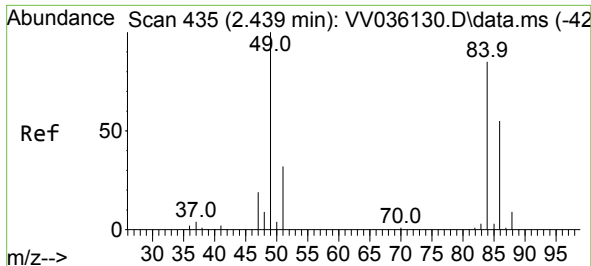
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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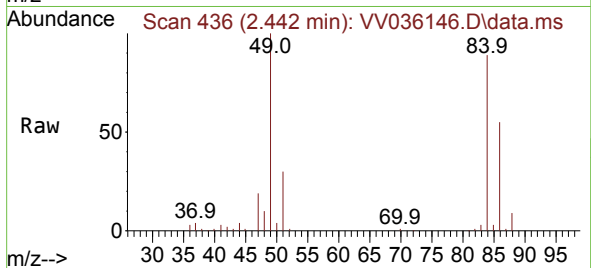
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM053024SMA.M  
Quant Title : VOC Analysis  
QLast Update : Thu Jun 20 05:02:48 2024  
Response via : Initial Calibration



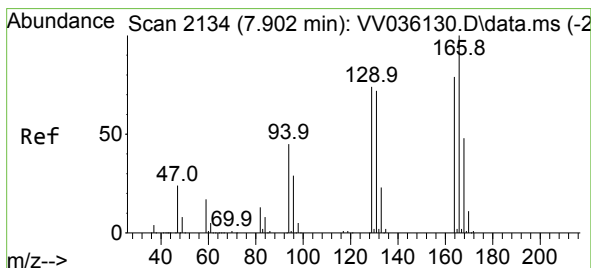
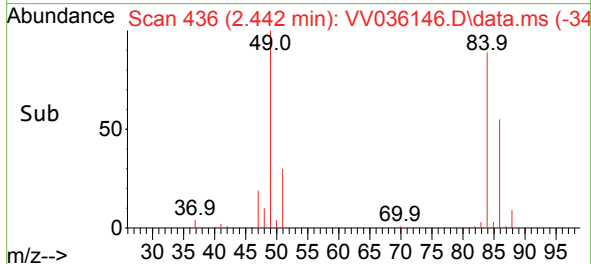
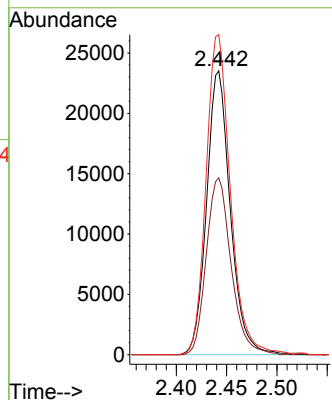


#16  
Methylene chloride  
Concen: 3.029 ug/L  
RT: 2.442 min Scan# 41  
Delta R.T. 0.003 min  
Lab File: VV036146.D  
Acq: 19 Jun 2024 18:37

Instrument :  
MSVOA\_V  
ClientSampleId :

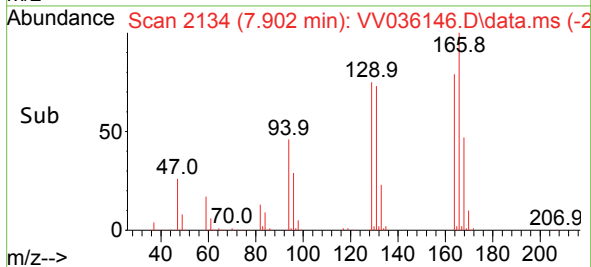
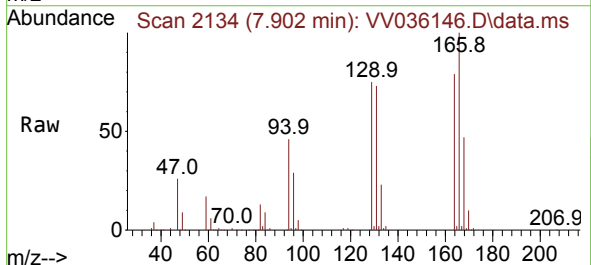
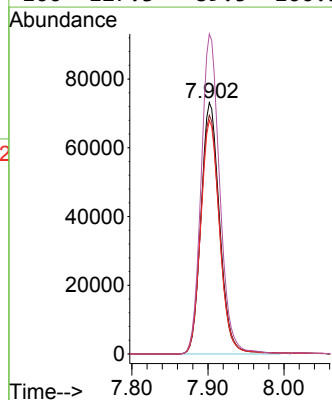


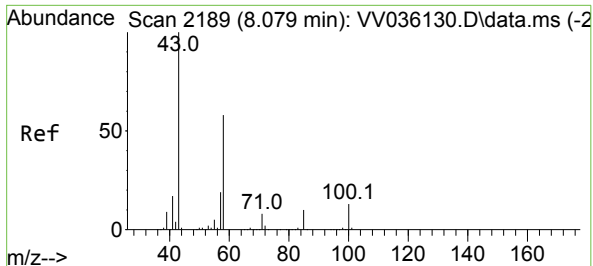
Tgt Ion: 84 Resp: 38647  
Ion Ratio Lower Upper  
84 100  
86 62.3 44.6 82.8  
49 112.7 81.1 150.5



#46  
Tetrachloroethene  
Concen: 14.429 ug/L  
RT: 7.902 min Scan# 2134  
Delta R.T. -0.000 min  
Lab File: VV036146.D  
Acq: 19 Jun 2024 18:37

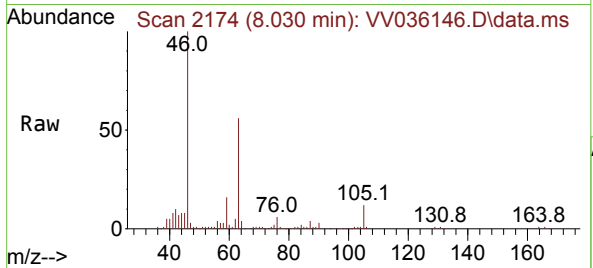
Tgt Ion:164 Resp: 124467  
Ion Ratio Lower Upper  
164 100  
129 95.0 64.6 120.0  
131 92.9 63.2 117.4  
166 127.3 89.5 166.3



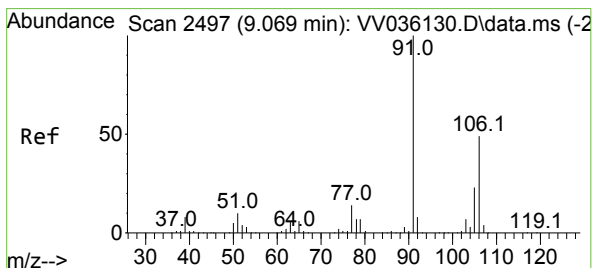
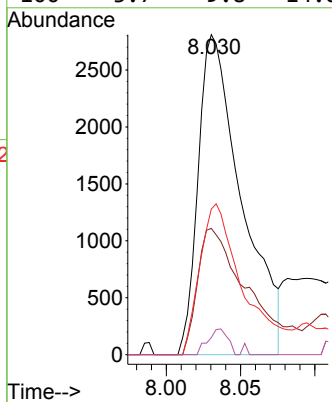
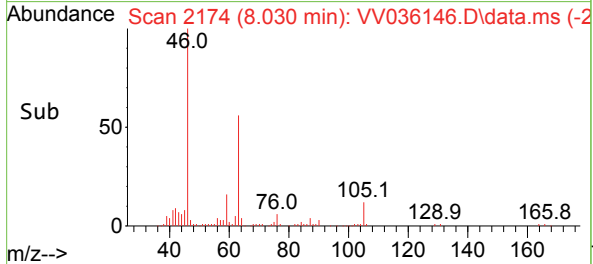


#48  
2-Hexanone  
Concen: 1.331 ug/L  
RT: 8.030 min Scan# 2189  
Delta R.T. -0.048 min  
Lab File: VV036146.D  
Acq: 19 Jun 2024 18:37

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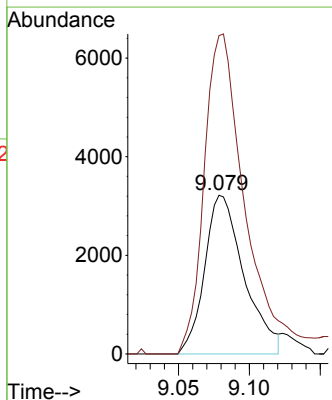
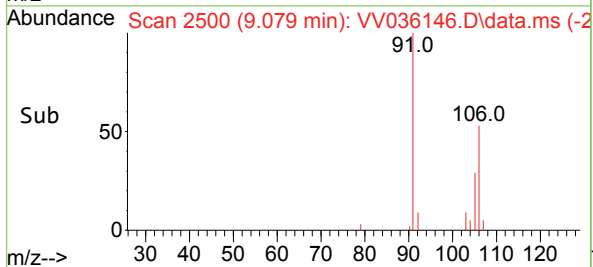
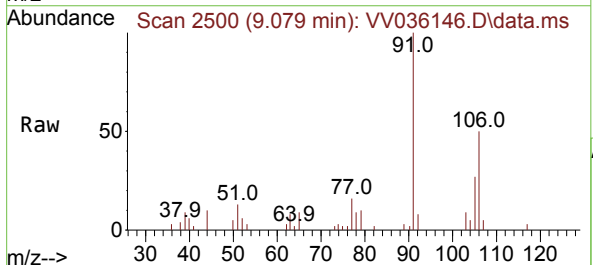


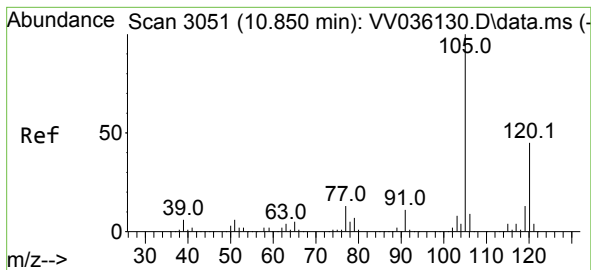
Tgt Ion: 43 Resp: 5711  
Ion Ratio Lower Upper  
43 100  
58 44.7 45.4 68.0#  
57 47.4 15.8 23.8#  
100 3.7 9.8 14.8#



#53  
m,p-Xylene  
Concen: 0.394 ug/L  
RT: 9.079 min Scan# 2500  
Delta R.T. 0.010 min  
Lab File: VV036146.D  
Acq: 19 Jun 2024 18:37

Tgt Ion: 106 Resp: 6231  
Ion Ratio Lower Upper  
106 100  
91 200.6 143.1 265.9





#63

1,2,4-Trimethylbenzene

Concen: 0.508 ug/L

RT: 10.853 min Scan# 3051

Delta R.T. 0.003 min

Lab File: VV036146.D

Acq: 19 Jun 2024 18:37

Instrument :

MSVOA\_V

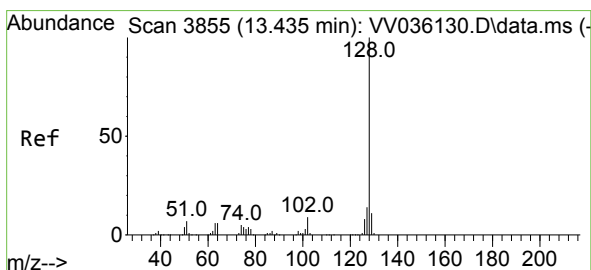
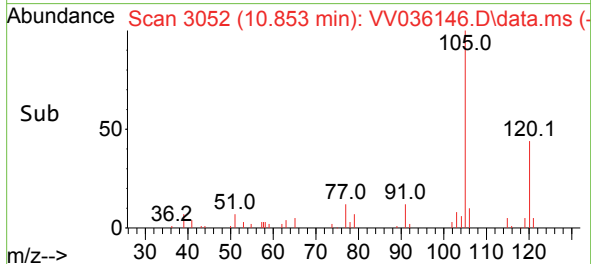
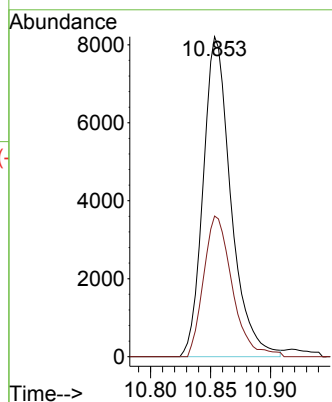
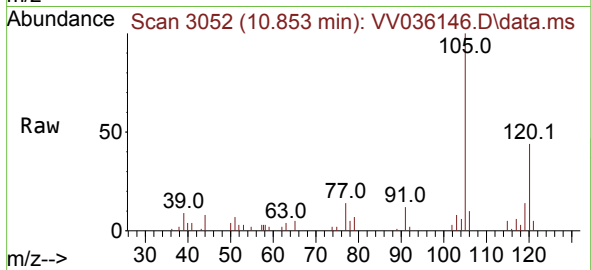
ClientSampleId :

Tgt Ion:105 Resp: 13201

Ion Ratio Lower Upper

105 100

120 44.3 36.2 54.4



#71

Naphthalene

Concen: 34.581 ug/L

RT: 13.435 min Scan# 3855

Delta R.T. -0.000 min

Lab File: VV036146.D

Acq: 19 Jun 2024 18:37

Tgt Ion:128 Resp: 580032

Ion Ratio Lower Upper

128 100

127 13.7 10.6 16.0

129 10.6 8.8 13.2

