

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW061824\  
 Data File : VW036123.D  
 Acq On : 18 Jun 2024 16:49  
 Operator : SY/MD  
 Sample : P2873-19  
 Misc : 2.83g/10.0mL/MSVOA\_V/SOIL/A  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Jun 19 03:31:59 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM053024SMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Jun 19 03:24:16 2024  
 Response via : Initial Calibration

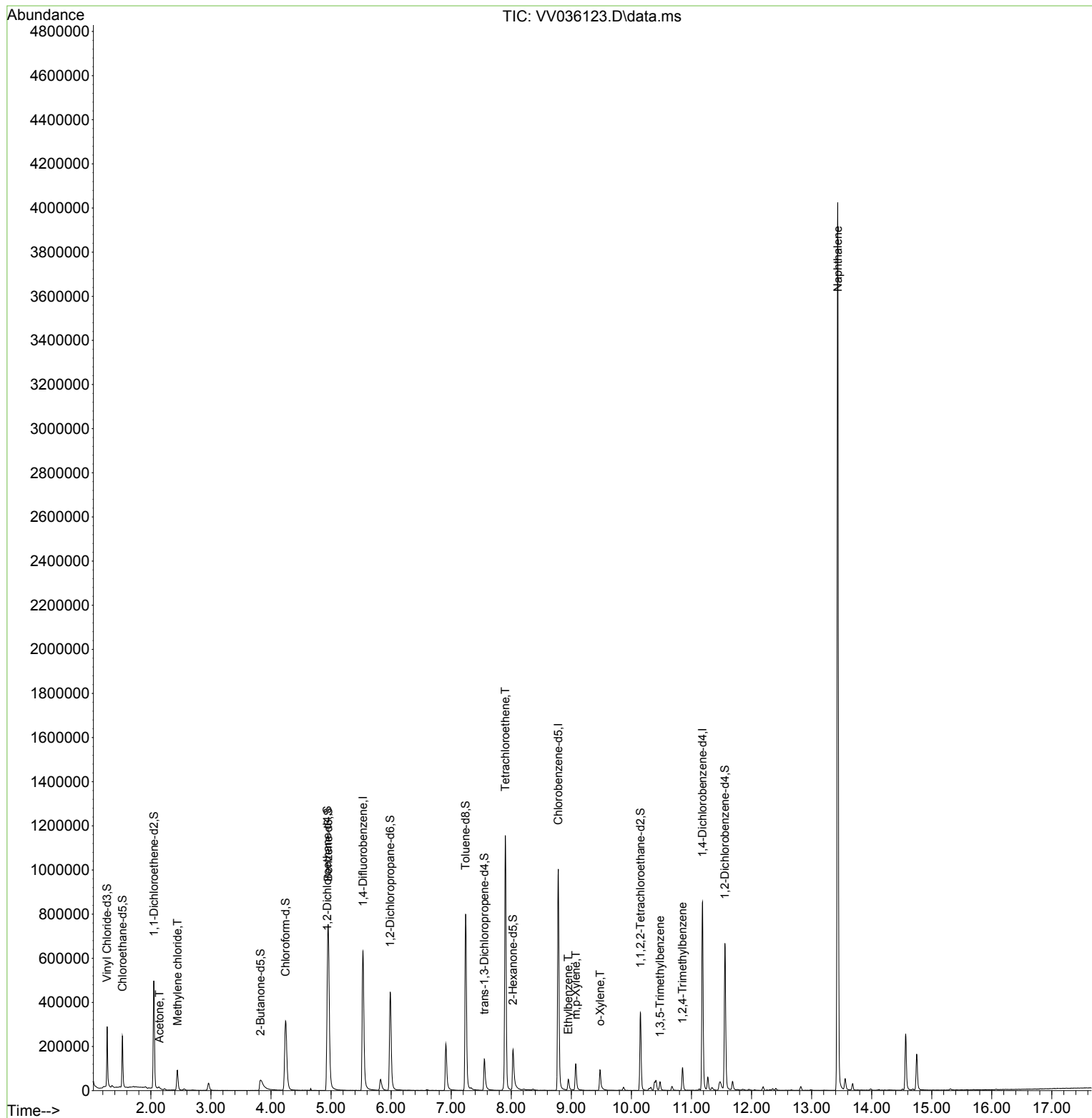
| Compound                      | R.T.   | QIon  | Response | Conc     | Units | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|-------|----------|
| -----                         |        |       |          |          |       |          |
| Internal Standards            |        |       |          |          |       |          |
| 1) 1,4-Difluorobenzene        | 5.532  | 114   | 547602   | 25.000   | ug/L  | 0.00     |
| 28) Chlorobenzene-d5          | 8.783  | 117   | 553078   | 25.000   | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.185 | 152   | 220579   | 25.000   | ug/L  | 0.00     |
|                               |        |       |          |          |       |          |
| System Monitoring Compounds   |        |       |          |          |       |          |
| 4) Vinyl Chloride-d3          | 1.272  | 65    | 182635   | 18.141   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =     | 72.560%  |
| 7) Chloroethane-d5            | 1.526  | 69    | 154318   | 19.223   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =     | 76.880%  |
| 11) 1,1-Dichloroethene-d2     | 2.050  | 65    | 84293    | 18.808   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =     | 75.240%  |
| 21) 2-Butanone-d5             | 3.825  | 46    | 94758    | 41.023   | ug/L  | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =     | 82.040%  |
| 24) Chloroform-d              | 4.243  | 84    | 349747   | 20.089   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =     | 80.360%  |
| 26) 1,2-Dichloroethane-d4     | 4.937  | 65    | 210254   | 23.034   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =     | 92.120%  |
| 32) Benzene-d6                | 4.954  | 84    | 666031   | 20.259   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =     | 81.040%  |
| 36) 1,2-Dichloropropane-d6    | 5.986  | 67    | 225789   | 21.809   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =     | 87.240%  |
| 41) Toluene-d8                | 7.240  | 98    | 549928   | 18.958   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =     | 75.840%  |
| 43) trans-1,3-Dichloroprop... | 7.551  | 79    | 89238    | 21.022   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =     | 84.080%  |
| 47) 2-Hexanone-d5             | 8.031  | 63    | 69316    | 49.416   | ug/L  | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =     | 98.840%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.149 | 84    | 174919   | 22.610   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =     | 90.440%  |
| 66) 1,2-Dichlorobenzene-d4    | 11.558 | 152   | 169950   | 21.010   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =     | 84.040%  |
|                               |        |       |          |          |       |          |
| Target Compounds              |        |       |          |          |       | Qvalue   |
| 13) Acetone                   | 2.143  | 43    | 8064     | 2.241    | ug/L  | 81       |
| 16) Methylene chloride        | 2.442  | 84    | 38639    | 3.118    | ug/L  | 97       |
| 46) Tetrachloroethene         | 7.902  | 164   | 260029   | 32.070   | ug/L  | 98       |
| 52) Ethylbenzene              | 8.950  | 91    | 36356    | 0.919    | ug/L  | 97       |
| 53) m,p-Xylene                | 9.076  | 106   | 33798    | 2.275    | ug/L  | 95       |
| 54) o-Xylene                  | 9.481  | 106   | 24998    | 1.784    | ug/L  | 93       |
| 62) 1,3,5-Trimethylbenzene    | 10.477 | 105   | 20481    | 0.998    | ug/L  | 100      |
| 63) 1,2,4-Trimethylbenzene    | 10.850 | 105   | 54275    | 2.455    | ug/L  | 98       |
| 71) Naphthalene               | 13.435 | 128   | 2806626  | 196.481  | ug/L  | 100      |
| -----                         |        |       |          |          |       |          |

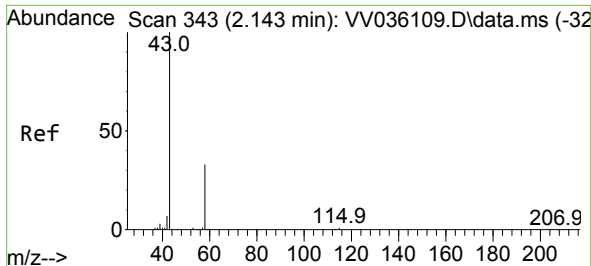
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV061824\  
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM053024SMA.M  
Quant Title : VOC Analysis  
QLast Update : Wed Jun 19 03:24:16 2024  
Response via : Initial Calibration





#13

Acetone

Concen: 2.241 ug/L

RT: 2.143 min Scan# 343

Delta R.T. 0.000 min

Lab File: VV036123.D

Acq: 18 Jun 2024 16:49

Instrument :

MSVOA\_V

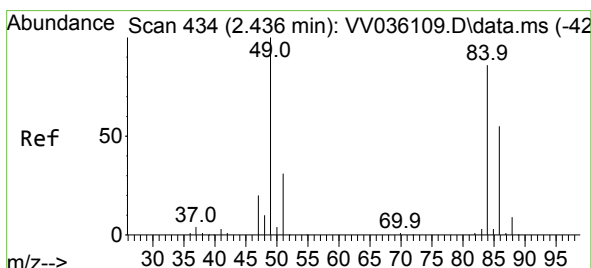
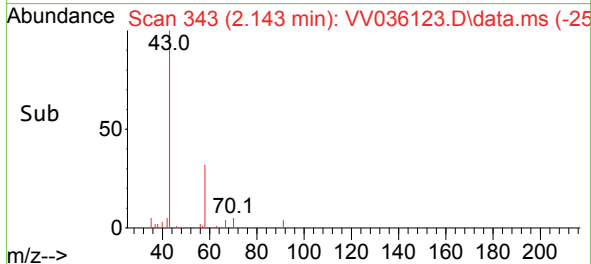
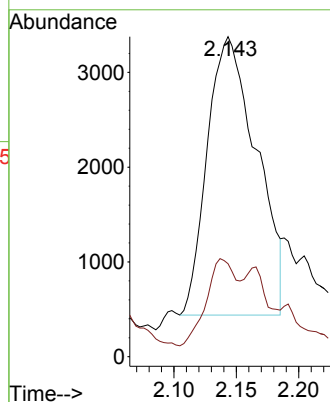
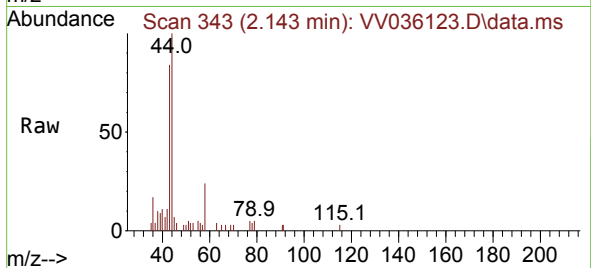
ClientSampleId :

Tgt Ion: 43 Resp: 8064

Ion Ratio Lower Upper

43 100

58 19.3 0.0 24.2



#16

Methylene chloride

Concen: 3.118 ug/L

RT: 2.442 min Scan# 436

Delta R.T. 0.007 min

Lab File: VV036123.D

Acq: 18 Jun 2024 16:49

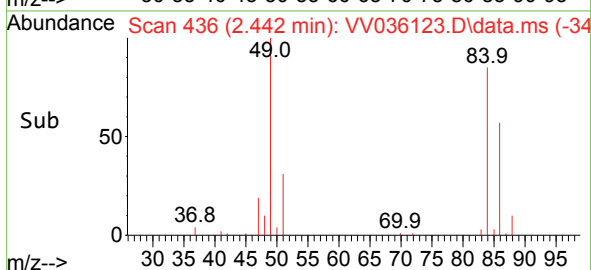
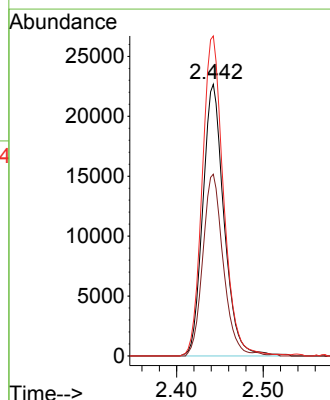
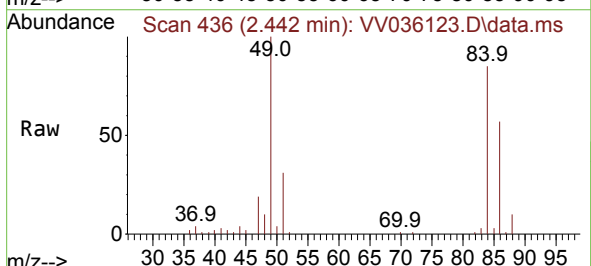
Tgt Ion: 84 Resp: 38639

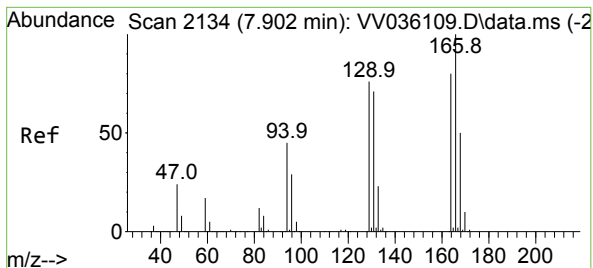
Ion Ratio Lower Upper

84 100

86 66.9 44.6 82.8

49 117.8 81.1 150.5





#46

Tetrachloroethene

Concen: 32.070 ug/L

RT: 7.902 min Scan# 2134

Delta R.T. 0.000 min

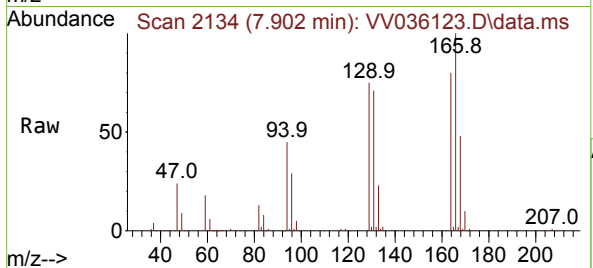
Lab File: VV036123.D

Acq: 18 Jun 2024 16:49

Instrument :

MSVOA\_V

ClientSampleId :



Tgt Ion:164 Resp: 260029

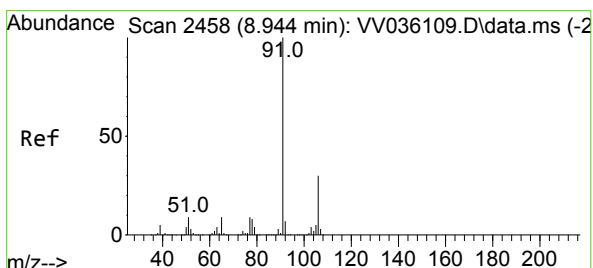
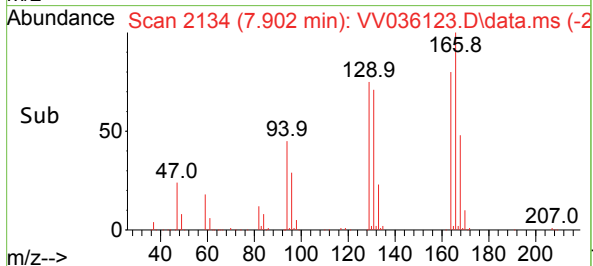
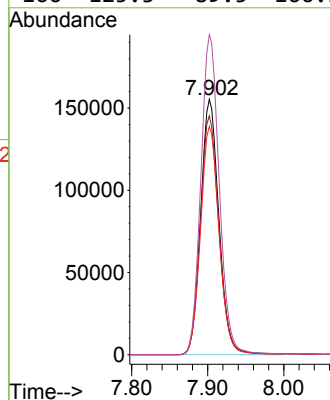
Ion Ratio Lower Upper

164 100

129 93.6 64.6 120.0

131 89.4 63.2 117.4

166 125.3 89.5 166.3



#52

Ethylbenzene

Concen: 0.919 ug/L

RT: 8.950 min Scan# 2460

Delta R.T. 0.007 min

Lab File: VV036123.D

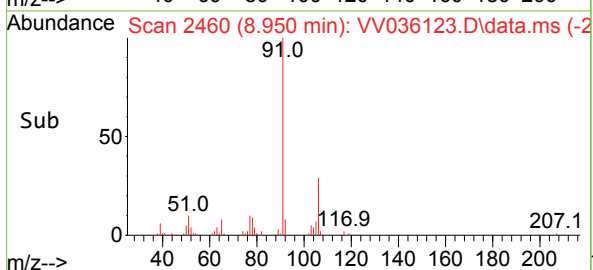
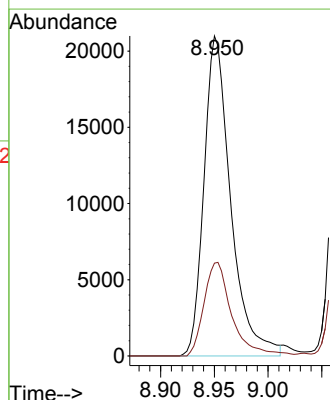
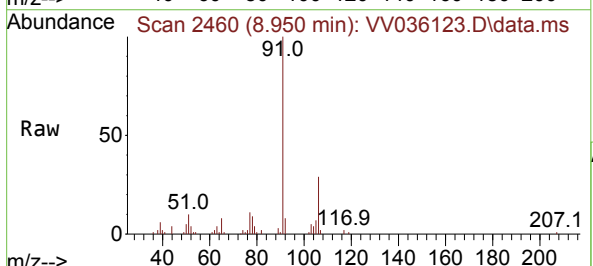
Acq: 18 Jun 2024 16:49

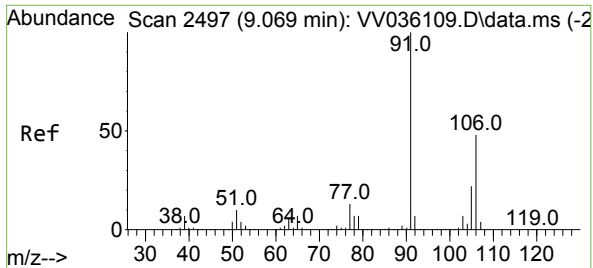
Tgt Ion: 91 Resp: 36356

Ion Ratio Lower Upper

91 100

106 29.0 21.6 40.0

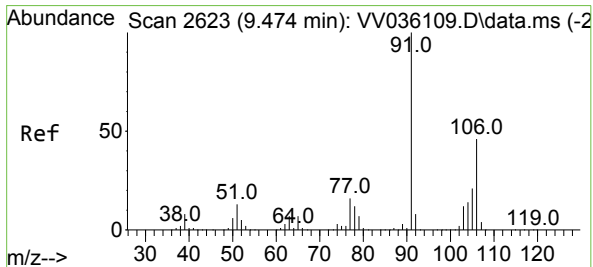
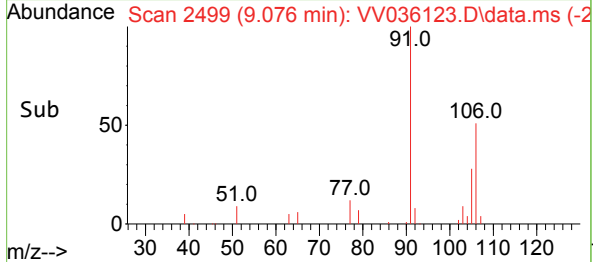
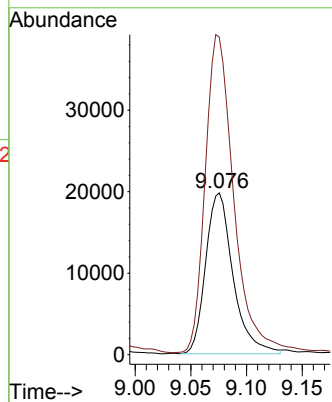
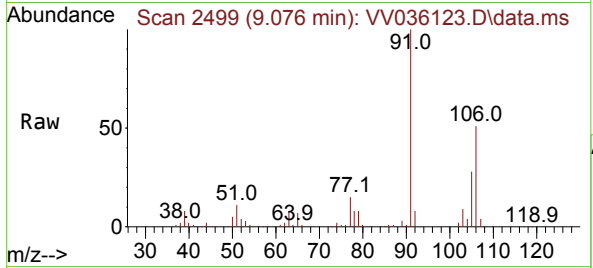




#53  
m,p-Xylene  
Concen: 2.275 ug/L  
RT: 9.076 min Scan# 2497  
Delta R.T. 0.007 min  
Lab File: VV036123.D  
Acq: 18 Jun 2024 16:49

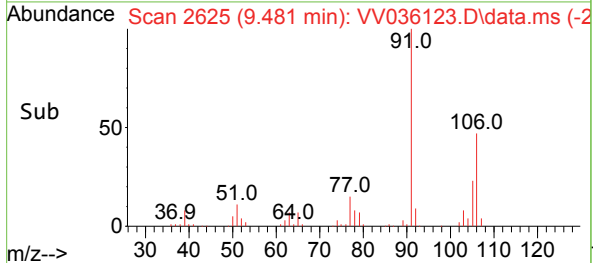
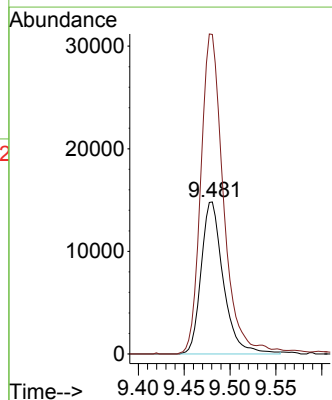
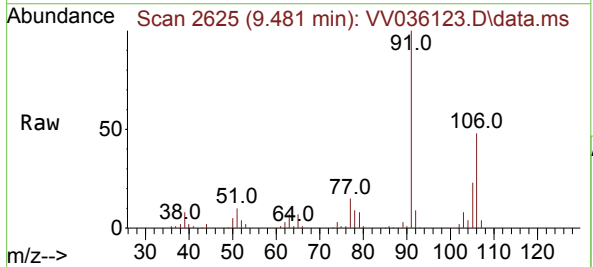
Instrument :  
MSVOA\_V  
ClientSampleId :

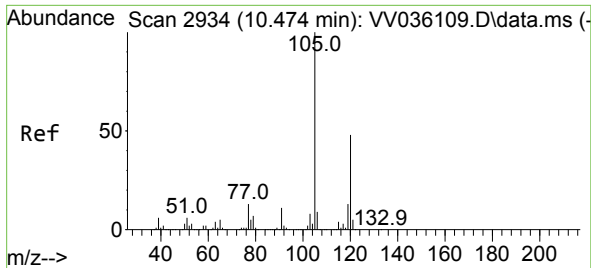
Tgt Ion:106 Resp: 33798  
Ion Ratio Lower Upper  
106 100  
91 196.5 143.1 265.9



#54  
o-Xylene  
Concen: 1.784 ug/L  
RT: 9.481 min Scan# 2625  
Delta R.T. 0.007 min  
Lab File: VV036123.D  
Acq: 18 Jun 2024 16:49

Tgt Ion:106 Resp: 24998  
Ion Ratio Lower Upper  
106 100  
91 210.2 154.5 286.9

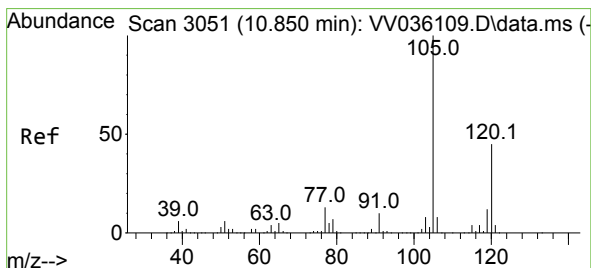
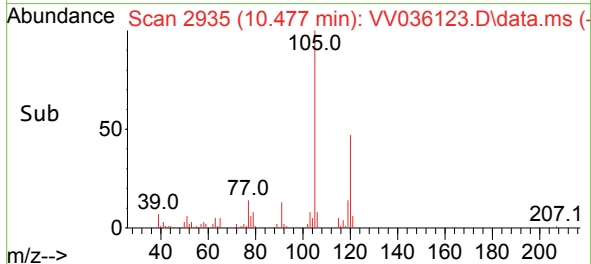
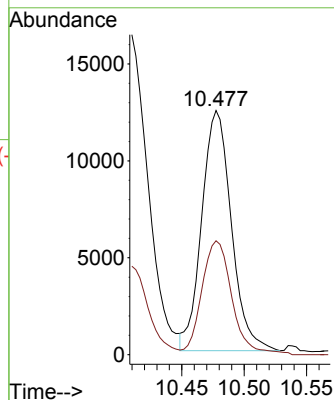
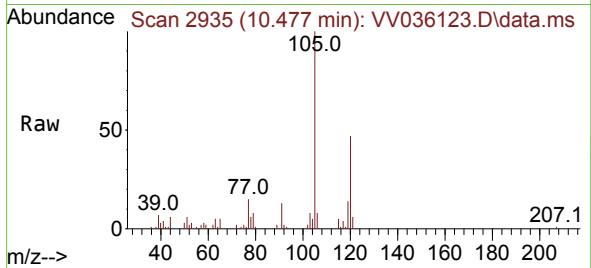




#62  
1,3,5-Trimethylbenzene  
Concen: 0.998 ug/L  
RT: 10.477 min Scan# 2935  
Delta R.T. 0.003 min  
Lab File: VV036123.D  
Acq: 18 Jun 2024 16:49

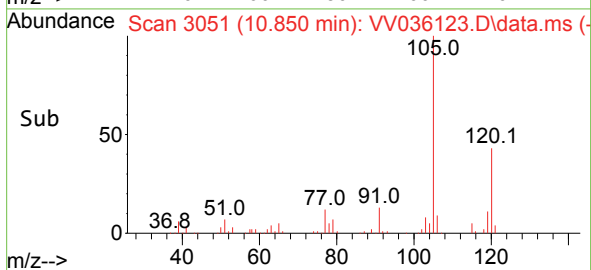
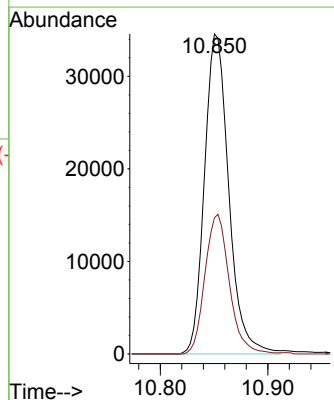
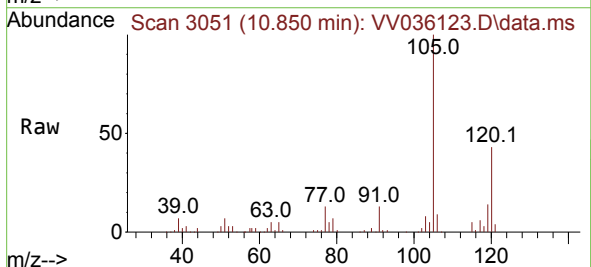
Instrument :  
MSVOA\_V  
ClientSampleId :

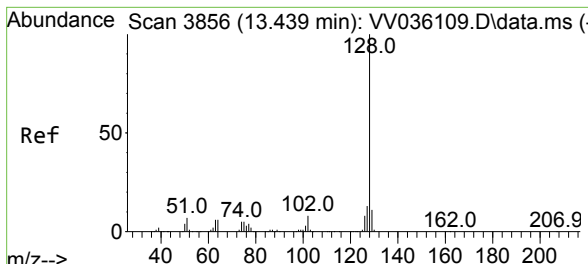
Tgt Ion:105 Resp: 20481  
Ion Ratio Lower Upper  
105 100  
120 48.4 38.6 58.0



#63  
1,2,4-Trimethylbenzene  
Concen: 2.455 ug/L  
RT: 10.850 min Scan# 3051  
Delta R.T. 0.000 min  
Lab File: VV036123.D  
Acq: 18 Jun 2024 16:49

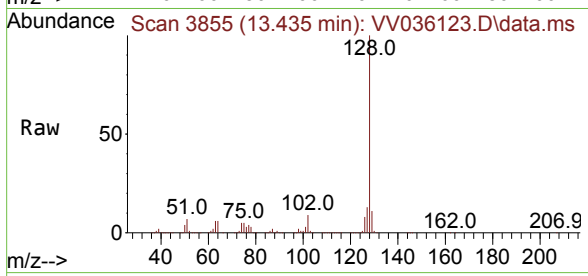
Tgt Ion:105 Resp: 54275  
Ion Ratio Lower Upper  
105 100  
120 43.7 36.2 54.4





#71  
 Naphthalene  
 Concen: 196.481 ug/L  
 RT: 13.435 min Scan# 3855  
 Delta R.T. -0.003 min  
 Lab File: VV036123.D  
 Acq: 18 Jun 2024 16:49

Instrument :  
 MSVOA\_V  
 ClientSampleId :



Tgt Ion:128 Resp: 2806626

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 128 | 100   |       |       |
| 127 | 13.4  | 10.6  | 16.0  |
| 129 | 10.9  | 8.8   | 13.2  |

