

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV072324\  
 Data File : VV036645.D  
 Acq On : 23 Jul 2024 14:44  
 Operator : SY/MD  
 Sample : P3328-07  
 Misc : 7.86g/10.0mL/MSVOA\_V/SOIL/A  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Jul 24 01:00:35 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM072224SMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Jul 24 00:57:38 2024  
 Response via : Initial Calibration

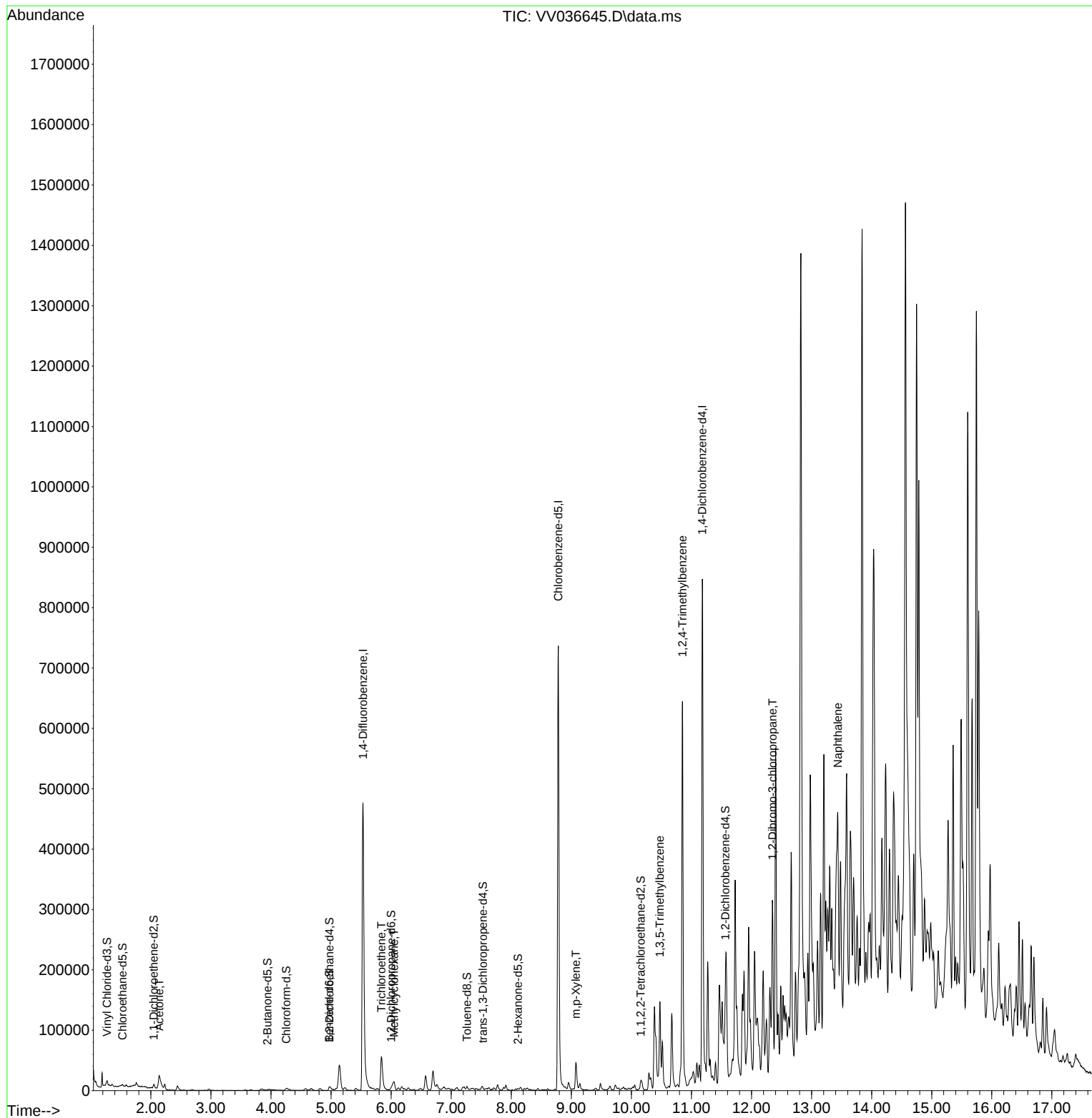
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.532  | 114   | 464290   | 25.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.783  | 117   | 447633   | 25.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.181 | 152   | 234868   | 25.000   | ug/L   | 0.00     |
|                               |        |       |          |          |        |          |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.272  | 65    | 1616     | 0.318    | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 1.280%#  |
| 7) Chloroethane-d5            | 1.529  | 69    | 1717     | 0.374    | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 1.480%#  |
| 11) 1,1-Dichloroethene-d2     | 2.047  | 65    | 1016     | 0.378    | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 1.520%#  |
| 21) 2-Butanone-d5             | 3.941  | 46    | 277      | 0.233    | ug/L   | 0.10     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 0.460%#  |
| 24) Chloroform-d              | 4.252  | 84    | 315      | 0.026    | ug/L   | 0.01     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 0.120%#  |
| 26) 1,2-Dichloroethane-d4     | 4.973  | 65    | 808      | 0.133    | ug/L   | 0.04     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 0.520%#  |
| 32) Benzene-d6                | 4.969  | 84    | 2656     | 0.125    | ug/L   | 0.02     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 0.520%#  |
| 36) 1,2-Dichloropropane-d6    | 6.002  | 67    | 1910     | 0.316    | ug/L   | 0.02     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 1.280%#  |
| 41) Toluene-d8                | 7.262  | 98    | 5857     | 0.289    | ug/L   | 0.03     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 1.160%#  |
| 43) trans-1,3-Dichloroprop... | 7.529  | 79    | 165      | 0.061    | ug/L   | -0.02    |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 0.240%#  |
| 47) 2-Hexanone-d5             | 8.114  | 63    | 158      | 0.196    | ug/L   | 0.08     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 0.400%#  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.156 | 84    | 3662     | 0.695    | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 2.800%#  |
| 66) 1,2-Dichlorobenzene-d4    | 11.564 | 152   | 7890     | 0.962    | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 3.840%#  |
|                               |        |       |          |          |        |          |
| Target Compounds              |        |       |          |          |        | Qvalue   |
| 13) Acetone                   | 2.140  | 43    | 45853    | 23.785   | ug/L # | 42       |
| 34) Trichloroethene           | 5.838  | 95    | 20061    | 2.411    | ug/L   | 99       |
| 35) Methylcyclohexane         | 6.050  | 83    | 5695     | 0.514    | ug/L # | 87       |
| 53) m,p-Xylene                | 9.079  | 106   | 14008    | 1.158    | ug/L   | 98       |
| 62) 1,3,5-Trimethylbenzene    | 10.474 | 105   | 76033    | 3.391    | ug/L   | 100      |
| 63) 1,2,4-Trimethylbenzene    | 10.850 | 105   | 338792   | 14.929   | ug/L   | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 12.352 | 75    | 1319     | 1.353    | ug/L # | 8        |
| 71) Naphthalene               | 13.435 | 128   | 177926   | 11.618   | ug/L # | 95       |
| -----                         |        |       |          |          |        |          |

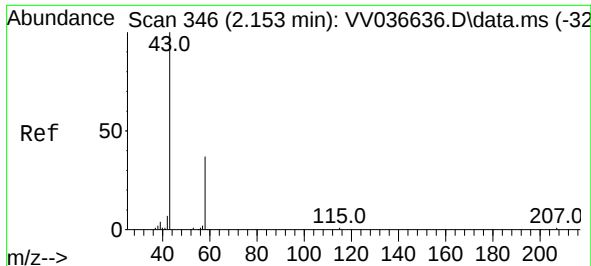
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV072324\  
Data File : VV036645.D  
Acq On : 23 Jul 2024 14:44  
Operator : SY/MD  
Sample : P3328-07  
Misc : 7.86g/10.0mL/MSVOA\_V/SOIL/A  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :

Quant Time: Jul 24 01:00:35 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM072224SMA.M  
Quant Title : VOC Analysis  
QLast Update : Wed Jul 24 00:57:38 2024  
Response via : Initial Calibration





#13

Acetone

Concen: 23.785 ug/L

RT: 2.140 min Scan# 34

Delta R.T. -0.013 min

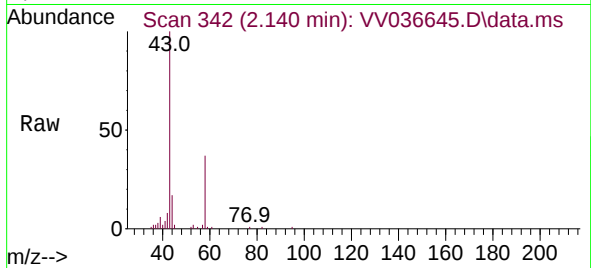
Lab File: VV036645.D

Acq: 23 Jul 2024 14:44

Instrument :

MSVOA\_V

ClientSampleId :

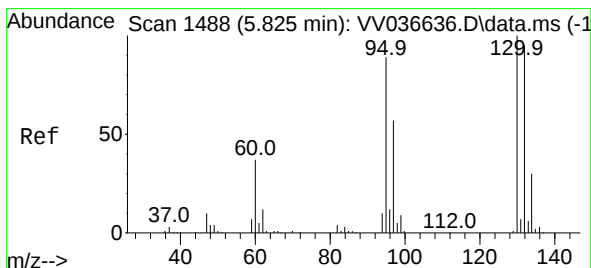
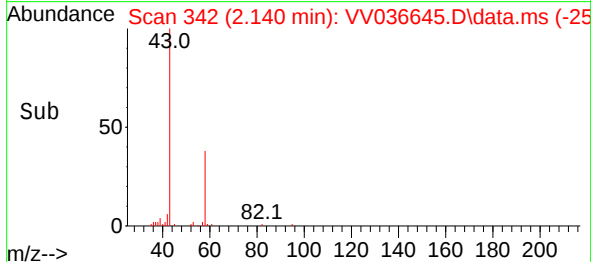
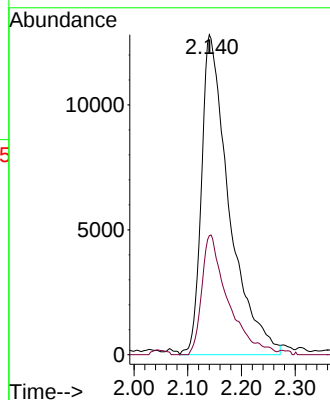


Tgt Ion: 43 Resp: 45853

Ion Ratio Lower Upper

43 100

58 33.7 0.0 23.0#



#34

Trichloroethene

Concen: 2.411 ug/L

RT: 5.838 min Scan# 1492

Delta R.T. 0.013 min

Lab File: VV036645.D

Acq: 23 Jul 2024 14:44

Tgt Ion: 95 Resp: 20061

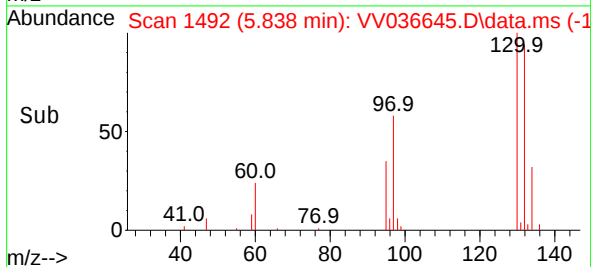
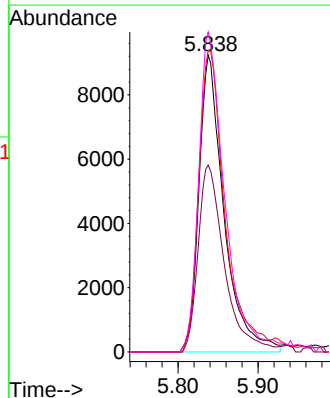
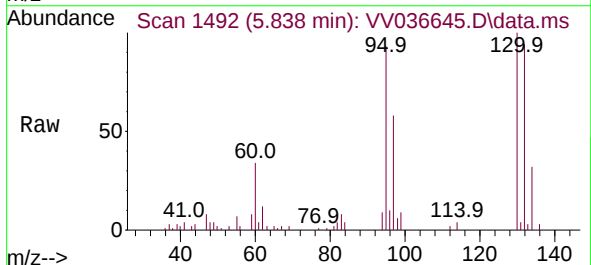
Ion Ratio Lower Upper

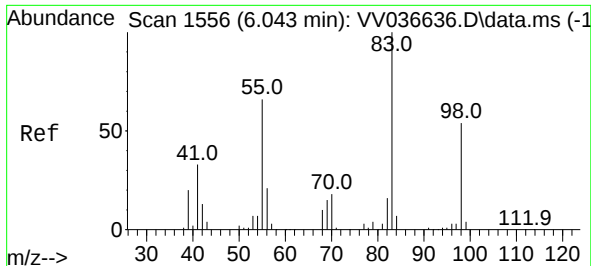
95 100

97 63.0 45.1 83.7

132 101.7 72.7 134.9

130 107.8 76.0 141.2





#35

Methylcyclohexane

Concen: 0.514 ug/L

RT: 6.050 min Scan# 1

Delta R.T. 0.007 min

Lab File: VV036645.D

Acq: 23 Jul 2024 14:44

Instrument :

MSVOA\_V

ClientSampleId :

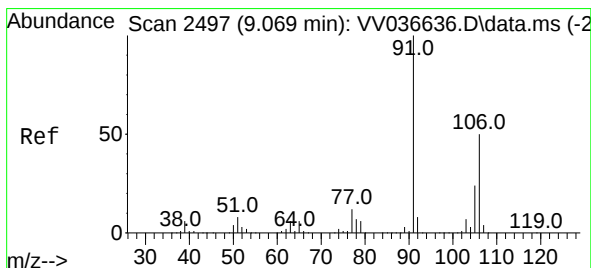
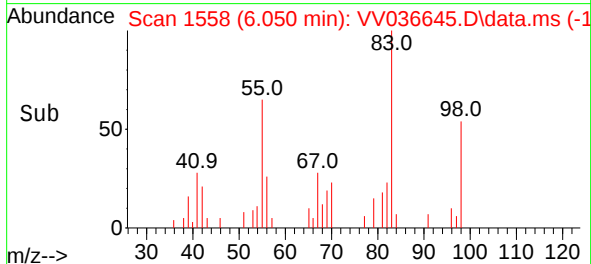
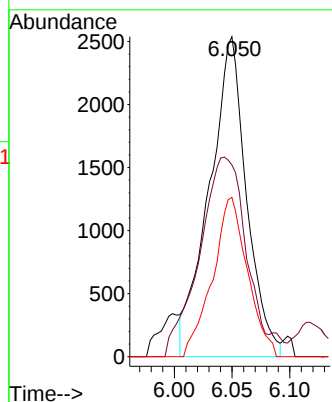
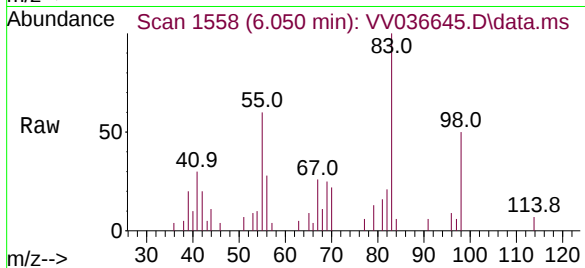
Tgt Ion: 83 Resp: 5695

Ion Ratio Lower Upper

83 100

55 77.4 50.8 76.2#

98 46.7 41.3 61.9



#53

m,p-Xylene

Concen: 1.158 ug/L

RT: 9.079 min Scan# 2500

Delta R.T. 0.010 min

Lab File: VV036645.D

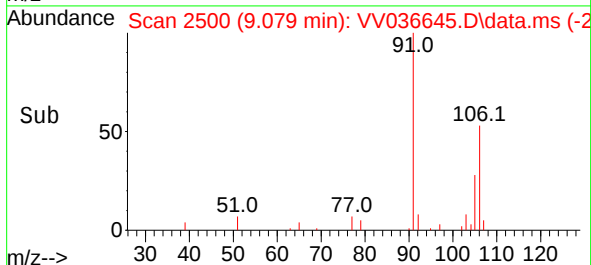
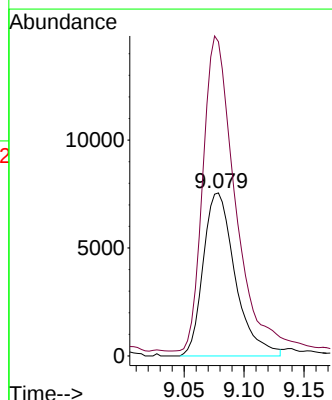
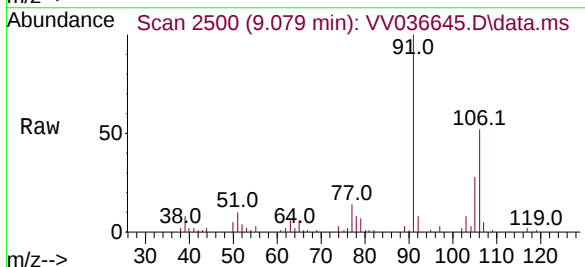
Acq: 23 Jul 2024 14:44

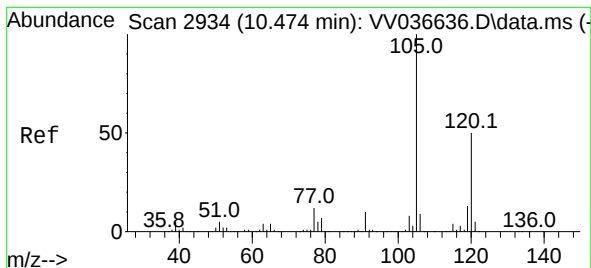
Tgt Ion:106 Resp: 14008

Ion Ratio Lower Upper

106 100

91 192.6 136.8 254.0





#62

1,3,5-Trimethylbenzene

Concen: 3.391 ug/L

RT: 10.474 min Scan# 2934

Delta R.T. 0.000 min

Lab File: VV036645.D

Acq: 23 Jul 2024 14:44

Instrument :

MSVOA\_V

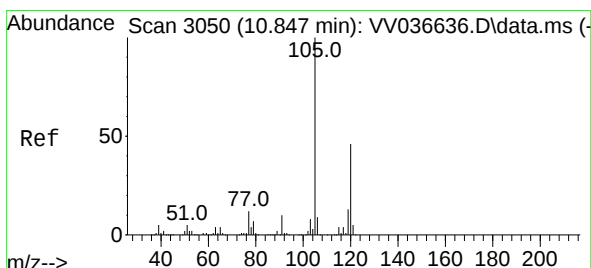
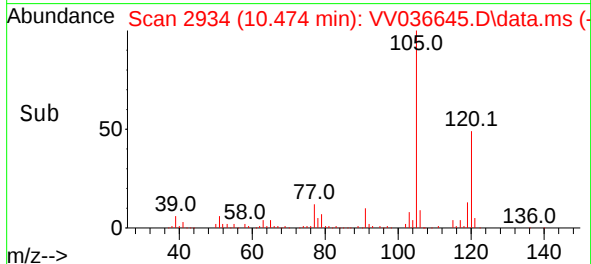
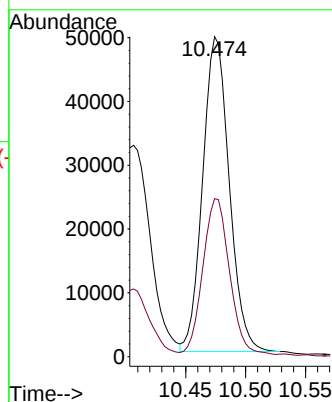
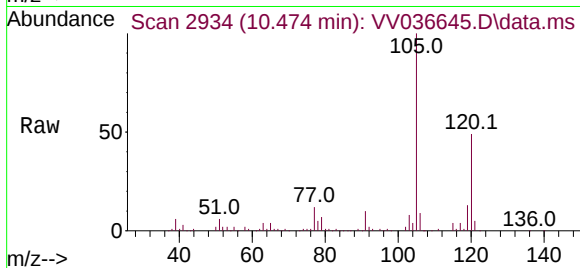
ClientSampleId :

Tgt Ion:105 Resp: 76033

Ion Ratio Lower Upper

105 100

120 49.6 39.8 59.8



#63

1,2,4-Trimethylbenzene

Concen: 14.929 ug/L

RT: 10.850 min Scan# 3051

Delta R.T. 0.003 min

Lab File: VV036645.D

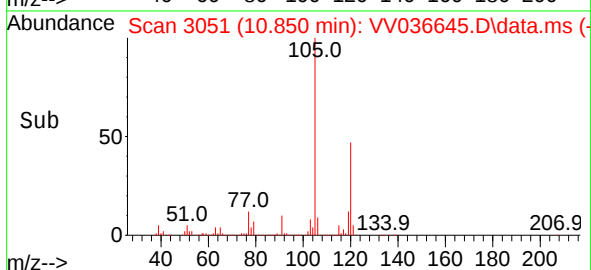
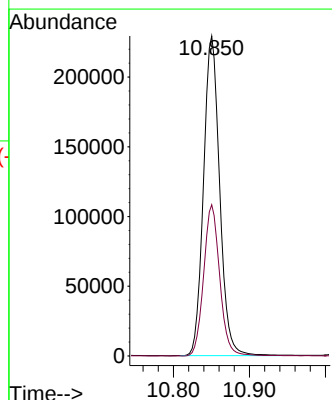
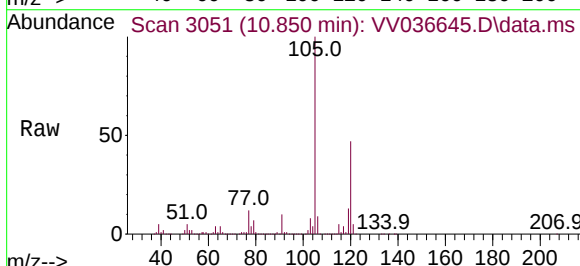
Acq: 23 Jul 2024 14:44

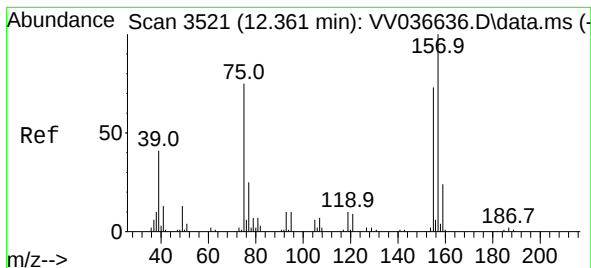
Tgt Ion:105 Resp: 338792

Ion Ratio Lower Upper

105 100

120 47.0 37.2 55.8





#68

1,2-Dibromo-3-chloropropane

Concen: 1.353 ug/L

RT: 12.352 min Scan# 3518

Delta R.T. -0.010 min

Lab File: VV036645.D

Acq: 23 Jul 2024 14:44

Instrument :

MSVOA\_V

ClientSampleId :

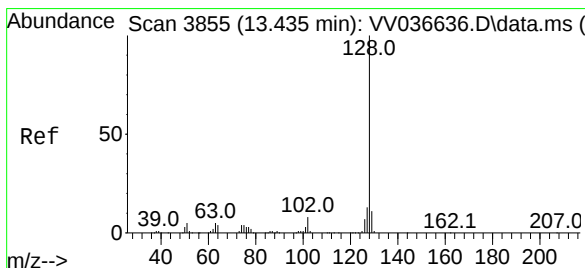
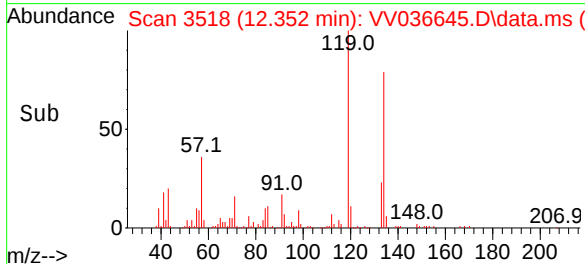
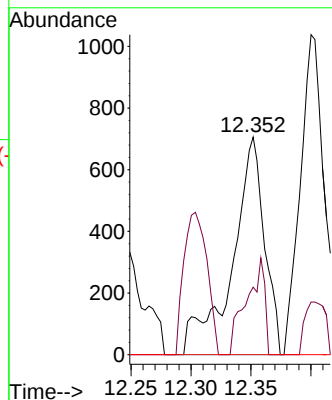
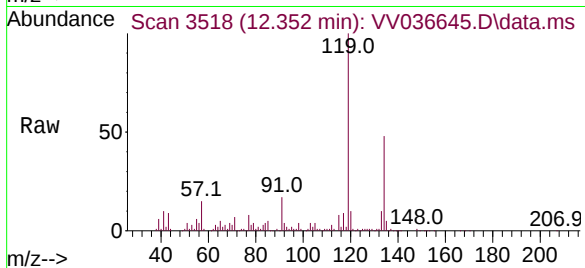
Tgt Ion: 75 Resp: 1319

Ion Ratio Lower Upper

75 100

155 31.0 79.5 119.3#

157 0.0 100.2 150.4#



#71

Naphthalene

Concen: 11.618 ug/L

RT: 13.435 min Scan# 3855

Delta R.T. 0.000 min

Lab File: VV036645.D

Acq: 23 Jul 2024 14:44

Tgt Ion:128 Resp: 177926

Ion Ratio Lower Upper

128 100

127 11.8 10.4 15.6

129 14.1 8.7 13.1#

