

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW072324\  
 Data File : VW036646.D  
 Acq On : 23 Jul 2024 15:07  
 Operator : SY/MD  
 Sample : P3328-08  
 Misc : 7.95g/10.0mL/MSVOA\_V/SOIL/A  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 E1ZW3

Manual Integrations  
 APPROVED

Reviewed By :Romaben Patel 07/24/2024  
 Supervised By :Mahesh Dadoda 07/25/2024

Quant Time: Jul 24 01:00:53 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        | 5.535          | 114  | 117853     | 25.000    | ug/L  | 0.00     |
| 28) Chlorobenzene-d5          | 8.786          | 117  | 93998      | 25.000    | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.188         | 152  | 27456      | 25.000    | ug/L  | 0.00     |
|                               |                |      |            |           |       |          |
| System Monitoring Compounds   |                |      |            |           |       |          |
| 4) Vinyl Chloride-d3          | 1.275          | 65   | 22328      | 17.298    | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 30 - 150 |      | Recovery = | 69.200%   |       |          |
| 7) Chloroethane-d5            | 1.529          | 69   | 22154      | 19.003    | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 30 - 150 |      | Recovery = | 76.000%   |       |          |
| 11) 1,1-Dichloroethene-d2     | 2.053          | 65   | 10178      | 14.913    | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 45 - 110 |      | Recovery = | 59.640%   |       |          |
| 21) 2-Butanone-d5             | 3.828          | 46   | 17273m     | 57.340    | ug/L  | -0.01    |
| Spiked Amount 50.000          | Range 20 - 135 |      | Recovery = | 114.680%  |       |          |
| 24) Chloroform-d              | 4.249          | 84   | 62618      | 20.090    | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 40 - 150 |      | Recovery = | 80.360%   |       |          |
| 26) 1,2-Dichloroethane-d4     | 4.947          | 65   | 33573      | 21.833    | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 70 - 130 |      | Recovery = | 87.320%   |       |          |
| 32) Benzene-d6                | 4.960          | 84   | 85960      | 19.295    | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 20 - 135 |      | Recovery = | 77.200%   |       |          |
| 36) 1,2-Dichloropropane-d6    | 5.992          | 67   | 30818      | 24.278    | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 70 - 120 |      | Recovery = | 97.120%   |       |          |
| 41) Toluene-d8                | 7.249          | 98   | 58011      | 13.645    | ug/L  | 0.01     |
| Spiked Amount 25.000          | Range 30 - 130 |      | Recovery = | 54.600%   |       |          |
| 43) trans-1,3-Dichloroprop... | 7.571          | 79   | 10024      | 17.764    | ug/L  | 0.02     |
| Spiked Amount 25.000          | Range 30 - 135 |      | Recovery = | 71.040%   |       |          |
| 47) 2-Hexanone-d5             | 8.040          | 63   | 8531       | 50.500    | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 20 - 135 |      | Recovery = | 101.000%  |       |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.153         | 84   | 35375      | 31.974    | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 45 - 120 |      | Recovery = | 127.880%# |       |          |
| 66) 1,2-Dichlorobenzene-d4    | 11.561         | 152  | 19467      | 20.311    | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 75 - 120 |      | Recovery = | 81.240%   |       |          |
|                               |                |      |            |           |       |          |
| Target Compounds              |                |      |            |           |       |          |
| 13) Acetone                   | 2.127          | 43   | 4261       | 8.708     | ug/L  | 85       |
| 20) cis-1,2-Dichloroethene    | 3.815          | 96   | 24117      | 12.577    | ug/L  | 95       |
| 34) Trichloroethene           | 5.828          | 95   | 210906     | 120.730   | ug/L  | 98       |
| 46) Tetrachloroethene         | 7.908          | 164  | 2564       | 1.479     | ug/L  | 96       |
| 63) 1,2,4-Trimethylbenzene    | 10.863         | 105  | 1021       | 0.385     | ug/L  | 93       |
| -----                         |                |      |            |           |       |          |

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

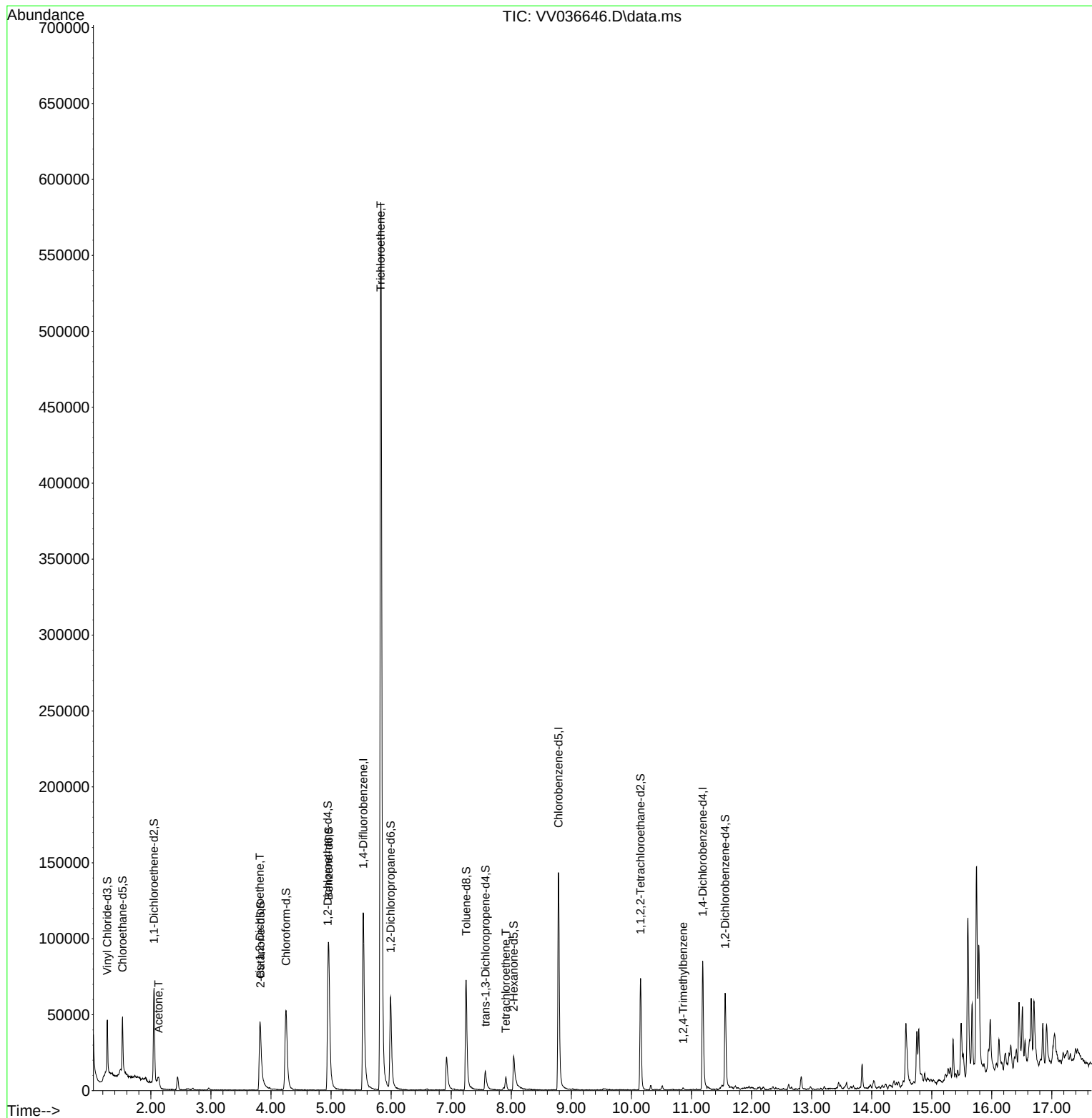
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV072324\  
Data File : VV036646.D  
Acq On : 23 Jul 2024 15:07  
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ALS Vial : 13 Sample Multiplier: 1

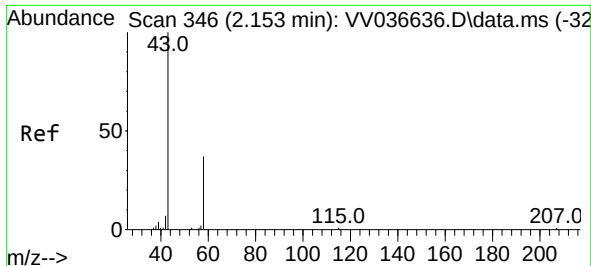
Instrument :  
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM072224SMA.M  
Quant Title : VOC Analysis  
QLast Update : Wed Jul 24 00:57:38 2024  
Response via : Initial Calibration





#13

Acetone

Concen: 8.708 ug/L

RT: 2.127 min Scan# 31

Delta R.T. -0.026 min

Lab File: VV036646.D

Acq: 23 Jul 2024 15:07

Instrument :

MSVOA\_V

ClientSampleId :

E1ZW3

Tgt Ion: 43 Resp: 426

Ion Ratio Lower Upper

43 100

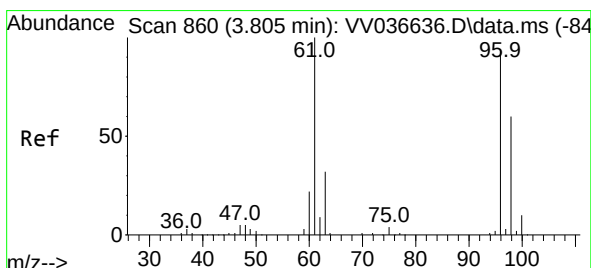
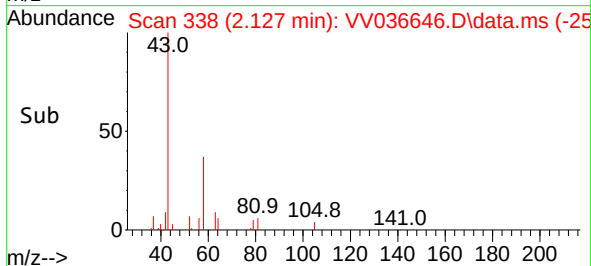
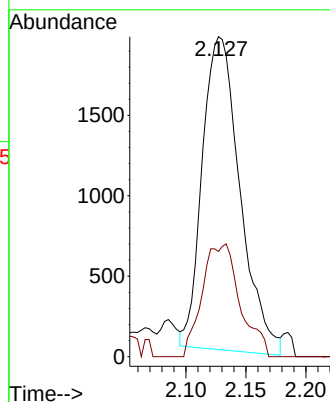
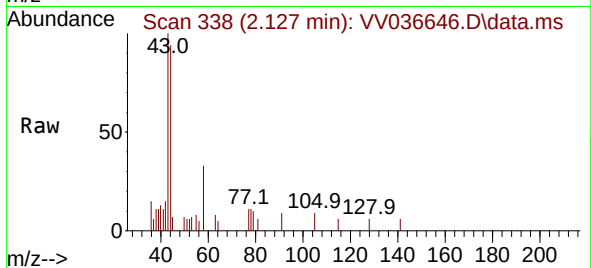
58 17.1 0.0 23.0

Manual Integrations

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#20

cis-1,2-Dichloroethene

Concen: 12.577 ug/L

RT: 3.815 min Scan# 863

Delta R.T. 0.010 min

Lab File: VV036646.D

Acq: 23 Jul 2024 15:07

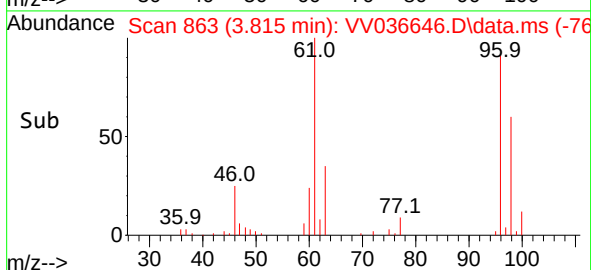
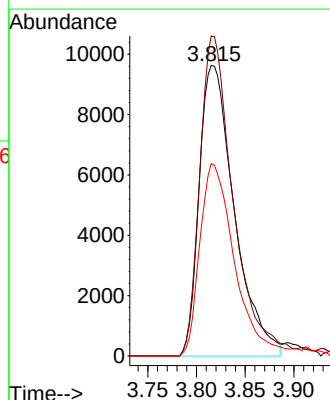
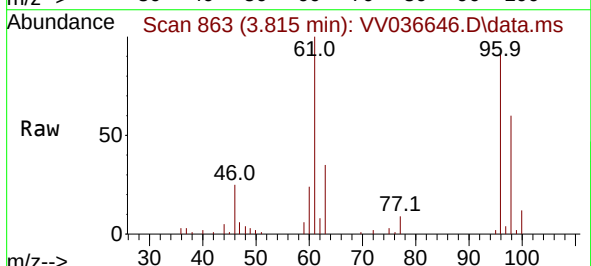
Tgt Ion: 96 Resp: 24117

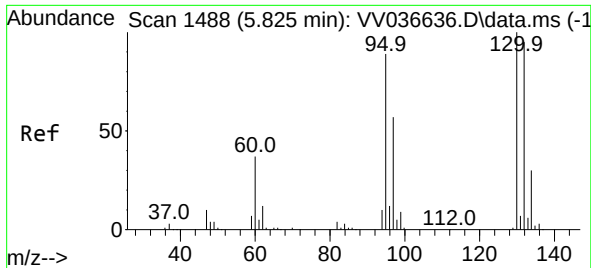
Ion Ratio Lower Upper

96 100

61 110.2 73.0 135.6

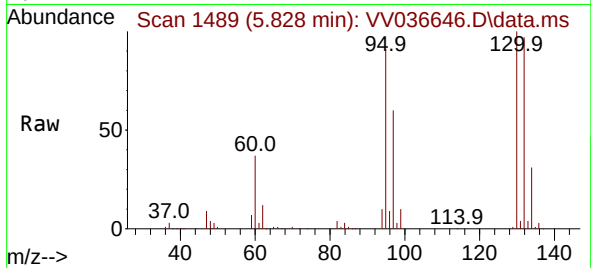
98 66.2 44.8 83.2





#34  
Trichloroethene  
Concen: 120.730 ug/L  
RT: 5.828 min Scan# 1488  
Delta R.T. 0.003 min  
Lab File: VV036646.D  
Acq: 23 Jul 2024 15:07

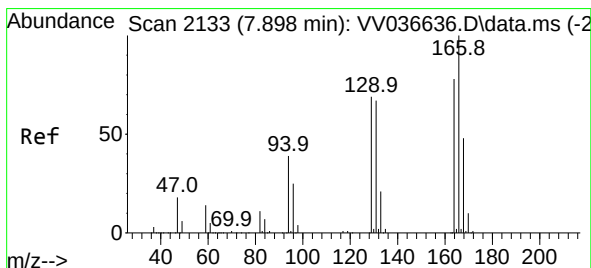
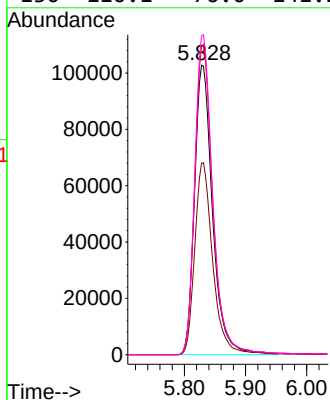
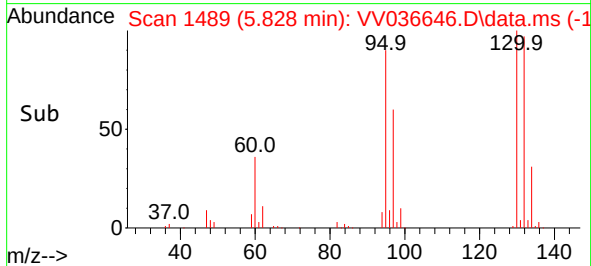
Instrument :  
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ClientSampleId :  
E1ZW3



Tgt Ion: 95 Resp: 210900  
Ion Ratio Lower Upper  
95 100  
97 66.1 45.1 83.7  
132 106.5 72.7 134.9  
130 110.1 76.0 141.2

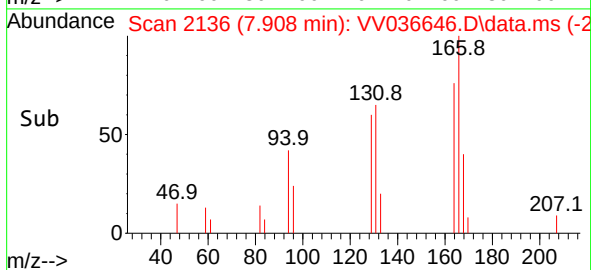
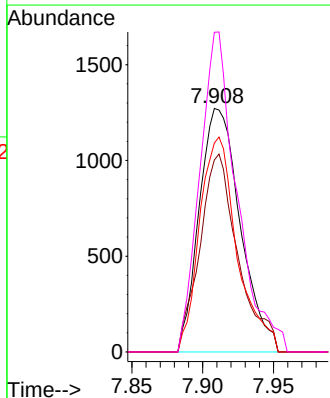
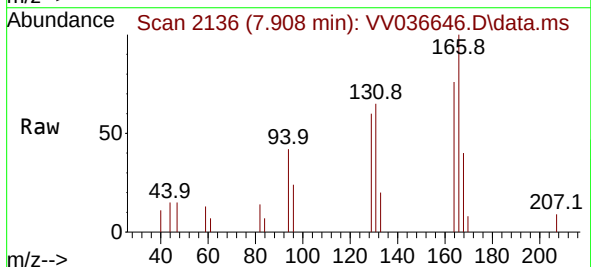
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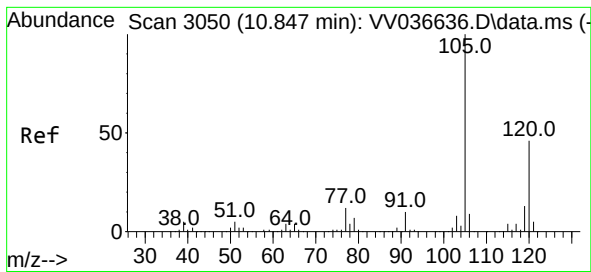
Reviewed By :Romaben Patel 07/24/2024  
Supervised By :Mahesh Dadoda 07/25/2024



#46  
Tetrachloroethene  
Concen: 1.479 ug/L  
RT: 7.908 min Scan# 2136  
Delta R.T. 0.010 min  
Lab File: VV036646.D  
Acq: 23 Jul 2024 15:07

Tgt Ion:164 Resp: 2564  
Ion Ratio Lower Upper  
164 100  
129 78.9 61.0 113.2  
131 85.8 60.1 111.5  
166 131.2 89.7 166.7





#63

1,2,4-Trimethylbenzene

Concen: 0.385 ug/L

RT: 10.863 min Scan# 3055

Delta R.T. 0.016 min

Lab File: VV036646.D

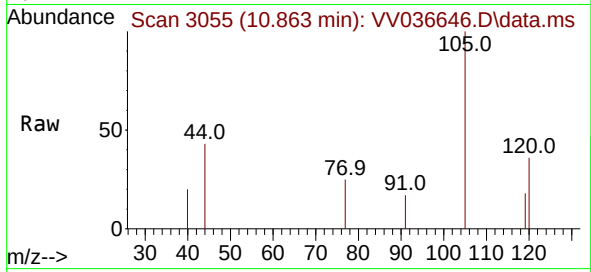
Acq: 23 Jul 2024 15:07

Instrument :

MSVOA\_V

ClientSampleId :

E1ZW3



Tgt Ion:105 Resp: 102

Ion Ratio Lower Upper

105 100

120 41.8 37.2 55.8

Manual Integrations

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