

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX061422\  
 Data File : VX029460.D  
 Acq On : 14 Jun 2022 13:24  
 Operator : JC/MD  
 Sample : N3248-14 20X  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 EXYY5

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 06/15/2022  
 Supervised By : Mahesh Dadoda 06/16/2022

Quant Time: Jun 15 05:44:16 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\SFAMXLM061322WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Jun 15 05:41:21 2022  
 Response via : Initial Calibration

| Compound                      | R.T.    | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|---------|-------|----------|----------|--------|----------|
| -----                         |         |       |          |          |        |          |
| Internal Standards            |         |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.763   | 114   | 315238   | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 10.055  | 117   | 280254   | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 12.024  | 152   | 131793   | 50.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |         |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.368   | 65    | 115069   | 47.145   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =      | 94.280%  |
| 7) Chloroethane-d5            | 1.660   | 69    | 48869    | 32.218   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =      | 64.440%# |
| 11) 1,1-Dichloroethene-d2     | 2.300   | 63    | 163642   | 37.212   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 74.420%  |
| 21) 2-Butanone-d5             | 4.465   | 46    | 177055   | 95.676   | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =      | 95.680%  |
| 24) Chloroform-d              | 5.062   | 84    | 218619   | 46.913   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 93.820%  |
| 26) 1,2-Dichloroethane-d4     | 5.958   | 65    | 142617   | 47.335   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 94.660%  |
| 32) Benzene-d6                | 5.976   | 84    | 458326   | 52.357   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 104.720% |
| 36) 1,2-Dichloropropane-d6    | 7.312   | 67    | 134788   | 52.570   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =      | 105.140% |
| 41) Toluene-d8                | 8.653   | 98    | 420538   | 50.956   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 101.920% |
| 43) trans-1,3-Dichloroprop... | 8.952   | 79    | 57272    | 45.300   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 90.600%  |
| 47) 2-Hexanone-d5             | 9.391   | 63    | 130099   | 93.813   | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =      | 93.810%  |
| 56) 1,1,2,2-Tetrachloroeth... | 11.195  | 84    | 181079   | 48.165   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =      | 96.320%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.323  | 152   | 138747   | 50.637   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 101.280% |
| Target Compounds              |         |       |          |          |        |          |
|                               |         |       |          |          | Qvalue |          |
| 19) 1,1-Dichloroethane        | 3.617   | 63    | 9139     | 2.260    | ug/L   | 96       |
| 30) 1,1,1-Trichloroethane     | 5.385   | 97    | 7618m    | 1.960    | ug/L   |          |
| 46) Tetrachloroethene         | 9.275   | 164   | 3742     | 2.018    | ug/L   | 92       |
| 62) 1,3,5-Trimethylbenzene    | 11.451  | 105   | 11798    | 1.342    | ug/L   | 99       |
| 63) 1,2,4-Trimethylbenzene    | 11.756  | 105   | 31041    | 3.556    | ug/L   | 98       |
| -----                         |         |       |          |          |        |          |

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

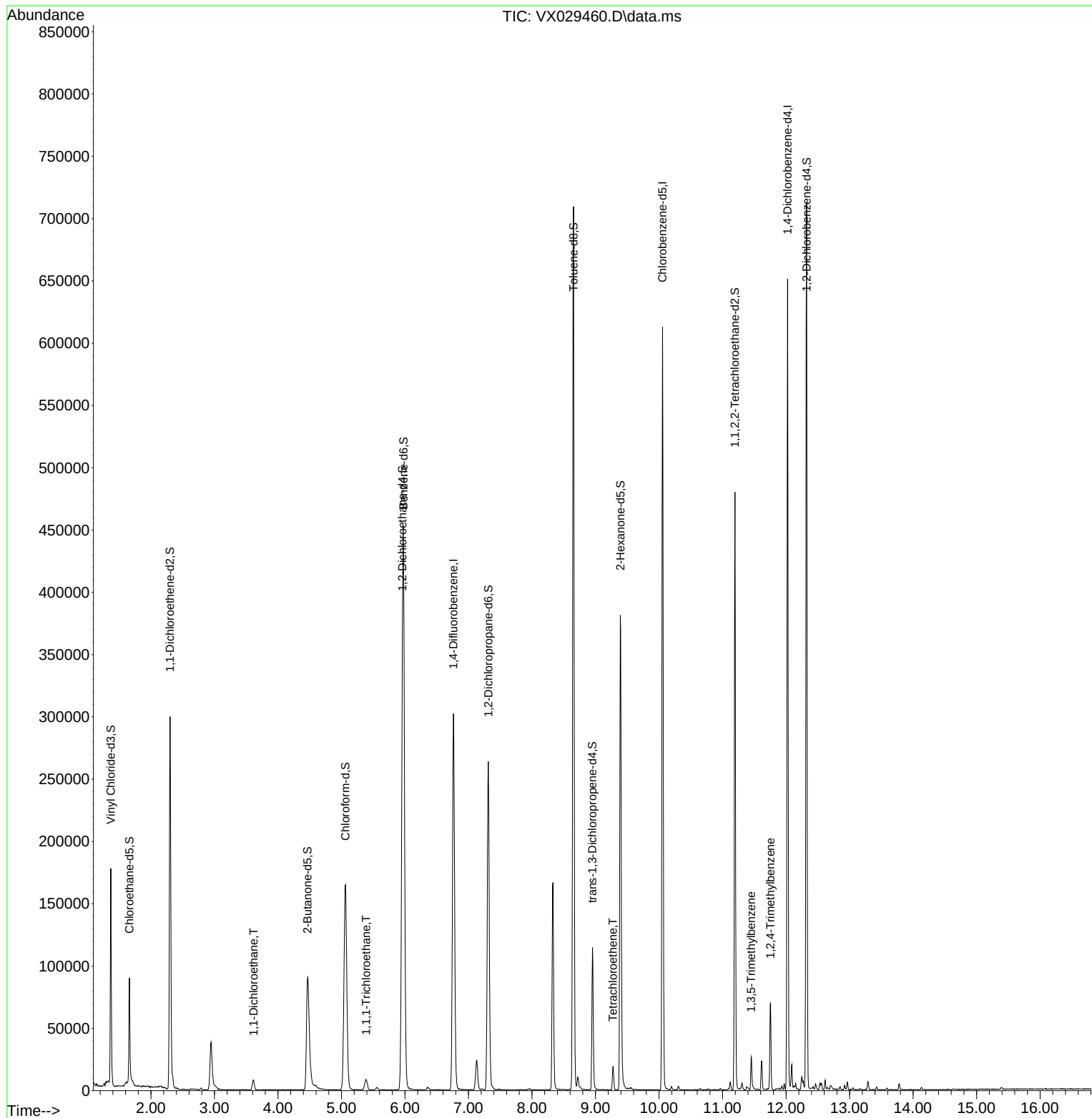
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX061422\  
Data File : VX029460.D  
Acq On : 14 Jun 2022 13:24  
Operator : JC/MD  
Sample : N3248-14 20X  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 5 Sample Multiplier: 1

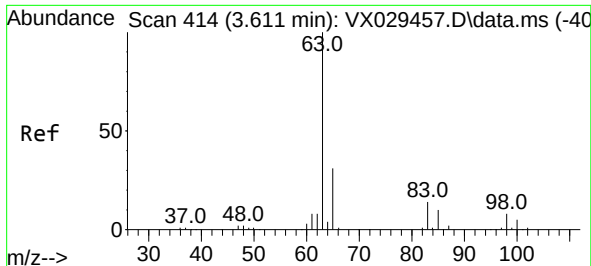
Instrument :  
MSVOA\_X  
ClientSampleId :  
EXYY5

Quant Time: Jun 15 05:44:16 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\SFAMXMLM061322WMA.M  
Quant Title : VOC Analysis  
QLast Update : Wed Jun 15 05:41:21 2022  
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#19

1,1-Dichloroethane

Concen: 2.260 ug/L

RT: 3.617 min Scan# 41

Delta R.T. 0.006 min

Lab File: VX029460.D

Acq: 14 Jun 2022 13:24

Instrument :

MSVOA\_X

ClientSampleId :

EXYY5

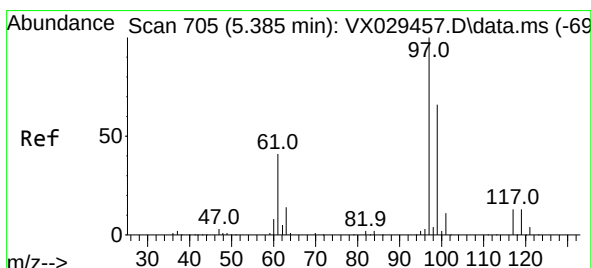
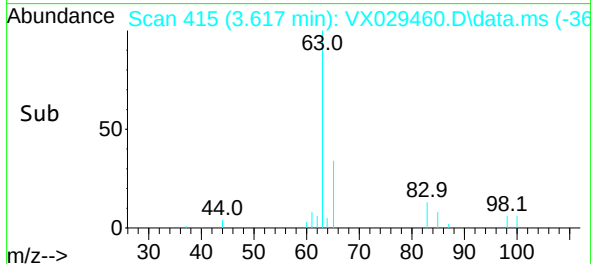
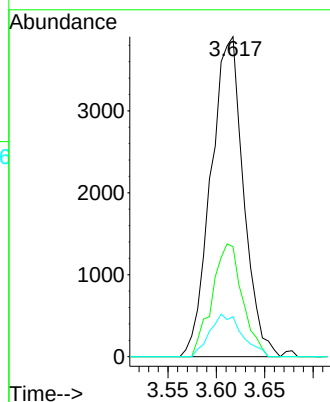
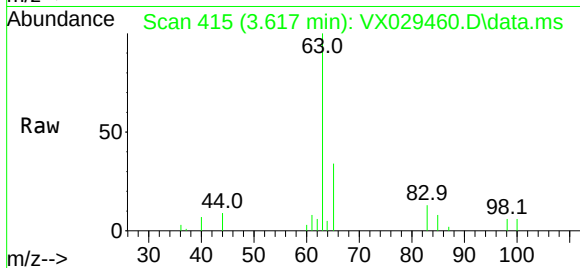
|             |             |
|-------------|-------------|
| Tgt Ion: 63 | Resp: 9139  |
| Ion Ratio   | Lower Upper |
| 63 100      |             |
| 65 34.4     | 22.9 42.5   |
| 83 12.5     | 10.1 18.9   |

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#30

1,1,1-Trichloroethane

Concen: 1.960 ug/L m

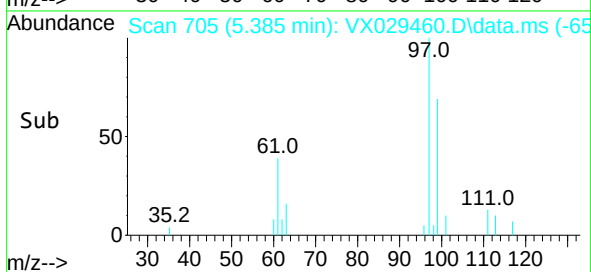
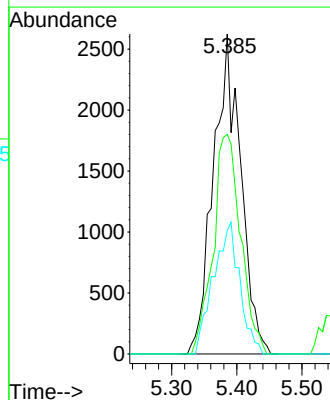
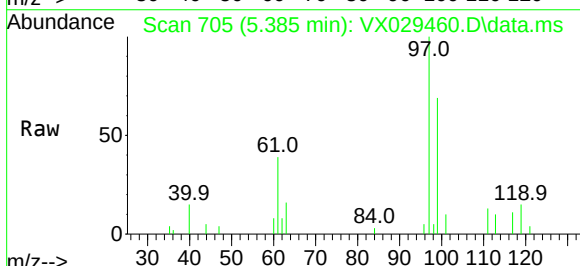
RT: 5.385 min Scan# 705

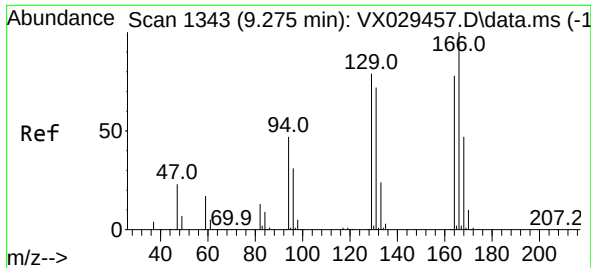
Delta R.T. 0.000 min

Lab File: VX029460.D

Acq: 14 Jun 2022 13:24

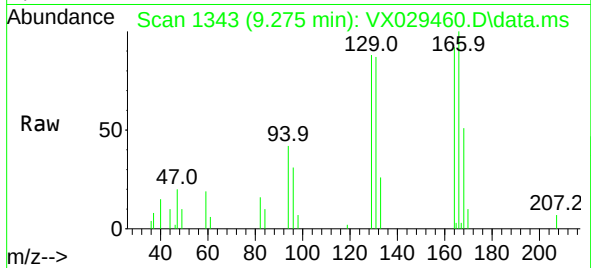
|             |             |
|-------------|-------------|
| Tgt Ion: 97 | Resp: 7618  |
| Ion Ratio   | Lower Upper |
| 97 100      |             |
| 99 69.3     | 51.5 77.3   |
| 61 39.7     | 35.2 52.8   |





#46  
Tetrachloroethene  
Concen: 2.018 ug/L  
RT: 9.275 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VX029460.D  
Acq: 14 Jun 2022 13:24

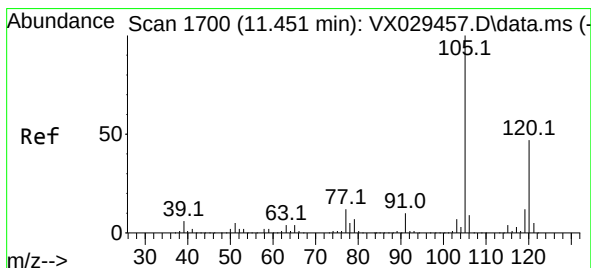
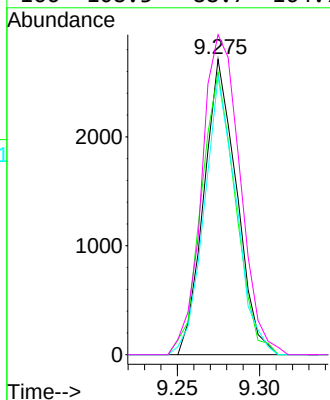
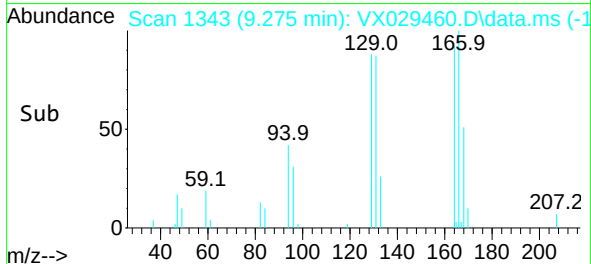
Instrument :  
MSVOA\_X  
ClientSampleId :  
EXYY5



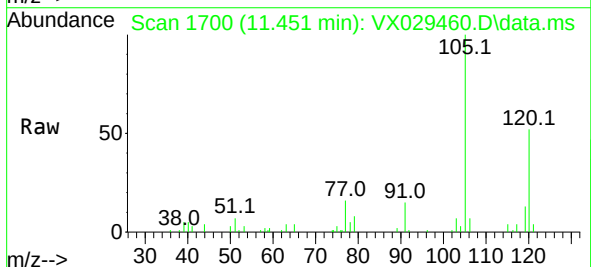
Tgt Ion:164 Resp: 374  
Ion Ratio Lower Upper  
164 100  
129 95.6 65.5 121.7  
131 94.2 64.3 119.3  
166 108.3 88.7 164.7

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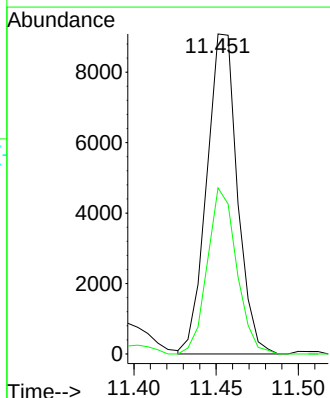
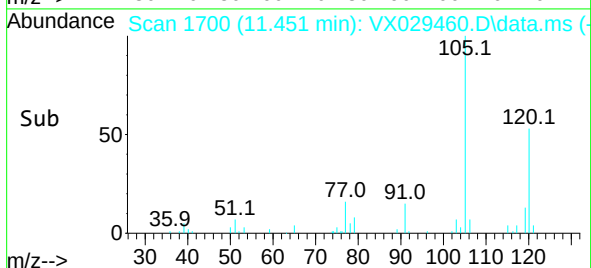
Reviewed By :John Carlone 06/15/2022  
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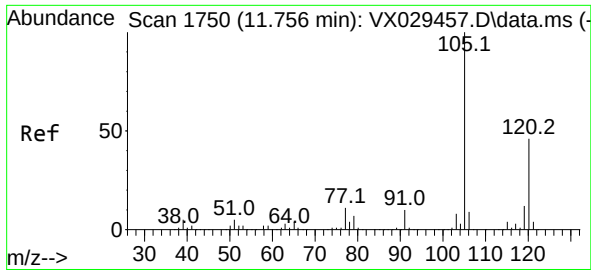


#62  
1,3,5-Trimethylbenzene  
Concen: 1.342 ug/L  
RT: 11.451 min Scan# 1700  
Delta R.T. 0.000 min  
Lab File: VX029460.D  
Acq: 14 Jun 2022 13:24



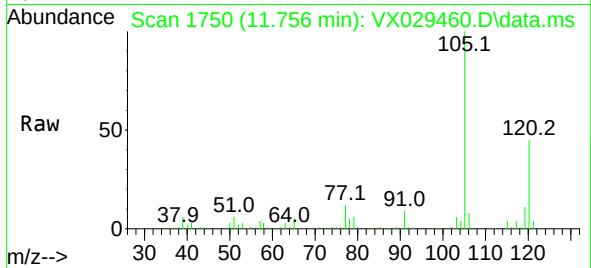
Tgt Ion:105 Resp: 11798  
Ion Ratio Lower Upper  
105 100  
120 49.3 39.1 58.7





#63  
 1,2,4-Trimethylbenzene  
 Concen: 3.556 ug/L  
 RT: 11.756 min Scan# 11  
 Delta R.T. 0.000 min  
 Lab File: VX029460.D  
 Acq: 14 Jun 2022 13:24

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 EXYY5



Tgt Ion:105 Resp: 3104  
 Ion Ratio Lower Upper  
 105 100  
 120 43.6 36.1 54.1

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