

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U052720\  
 Data File : VU038324.D  
 Acq On : 27 May 2020 16:33  
 Operator : JC/MD  
 Sample : L2749-06  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BE4X1

Manual Integrations  
 APPROVED

MMDadoda  
 5/29/2020 8:40:00 AM

Quant Time: May 28 05:28:20 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR050720WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Thu May 28 04:16:01 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.28  | 114  | 302976   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.44  | 117  | 296129   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.83 | 152  | 148946   | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.61   | 65    | 86444    | 3.12     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 62.40%  |
| 7) Chloroethane-d5             | 1.93   | 69    | 79845    | 3.33     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 66.60%  |
| 11) 1,1-Dichloroethene-d2      | 2.59   | 63    | 140023   | 3.02     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 60.40%  |
| 20) 2-Butanone-d5              | 4.69   | 46    | 381409   | 55.78    | ug/L | 0.03    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 111.56% |
| 24) Chloroform-d               | 5.10   | 84    | 199667   | 4.75     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 95.00%  |
| 26) 1,2-Dichloroethane-d4      | 5.74   | 65    | 118804   | 4.93     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 98.60%  |
| 32) Benzene-d6                 | 5.76   | 84    | 408087   | 4.60     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 92.00%  |
| 36) 1,2-Dichloropropane-d6     | 6.72   | 67    | 130292   | 4.55     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 91.00%  |
| 41) Toluene-d8                 | 7.92   | 98    | 360613   | 4.52     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 90.40%  |
| 43) trans-1,3-Dichloropropene- | 8.20   | 79    | 50925    | 4.44     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 88.80%  |
| 46) 2-Hexanone-d5              | 8.66   | 63    | 304793   | 56.26    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 112.52% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.77  | 84    | 114224   | 5.05     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 101.00% |
| 64) 1,2-Dichlorobenzene-d4     | 12.20  | 152   | 148211   | 5.11     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 102.20% |

## Target Compounds

|                         |       |     |        | Ovalue |           |
|-------------------------|-------|-----|--------|--------|-----------|
| 13) Acetone             | 2.69  | 43  | 11955m | 2.787  | ug/L      |
| 30) Cyclohexane         | 5.42  | 56  | 3488   | 0.087  | ug/L # 86 |
| 33) Benzene             | 5.81  | 78  | 74468  | 0.785  | ug/L 100  |
| 51) Chlorobenzene       | 9.47  | 112 | 630431 | 10.148 | ug/L 100  |
| 56) Isopropylbenzene    | 10.50 | 105 | 26875  | 0.260  | ug/L 98   |
| 63) 1,4-Dichlorobenzene | 11.85 | 146 | 14654  | 0.298  | ug/L 97   |
| 65) 1,2-Dichlorobenzene | 12.22 | 146 | 9237   | 0.198  | ug/L # 87 |

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

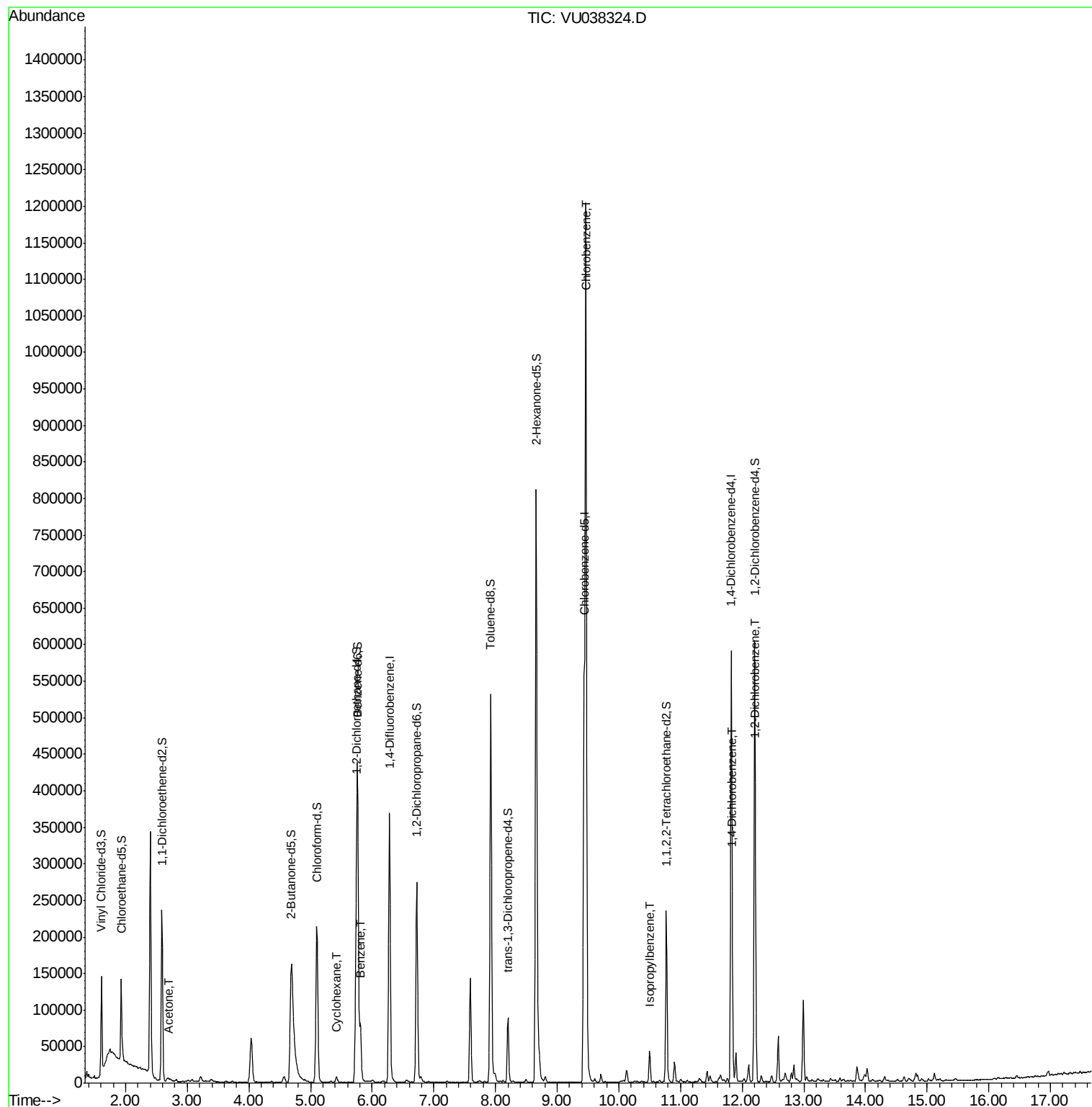
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU052720\  
Data File : VU038324.D  
Acq On : 27 May 2020 16:33  
Operator : JC/MD  
Sample : L2749-06  
Misc : 25.0mL/MSVOA U/WATER  
ALS Vial : 1 Sample Multiplier: 1

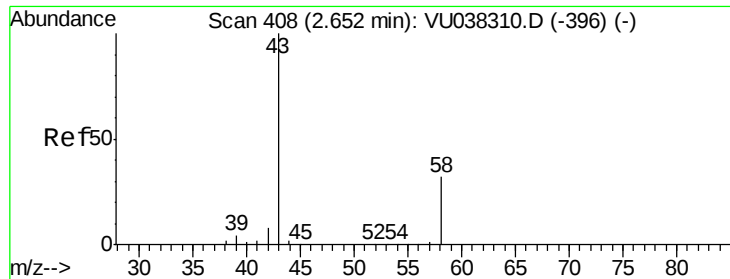
Instrument :  
MSVOA\_U  
ClientSampleId :  
BE4X1

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Quant Time: May 28 05:28:20 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR050720WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Thu May 28 04:16:01 2020  
Response via : Initial Calibration





#13

Acetone

Concen: 2.787 ug/L m

RT: 2.69 min Scan# 421

Delta R.T. 0.04 min

Lab File: VU038324.D

Acq: 27 May 2020 16:33

Instrument :

MSVOA\_U

ClientSampled :

BE4X1

Tot Ion: 43 Resp: 11955

Ion Ratio Lower Upper

43 100

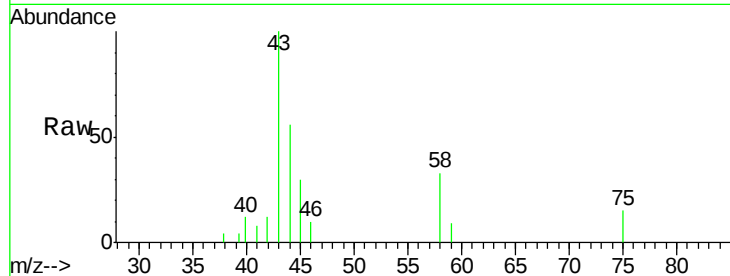
58 12.6 0.0 63.6

Manual Integrations

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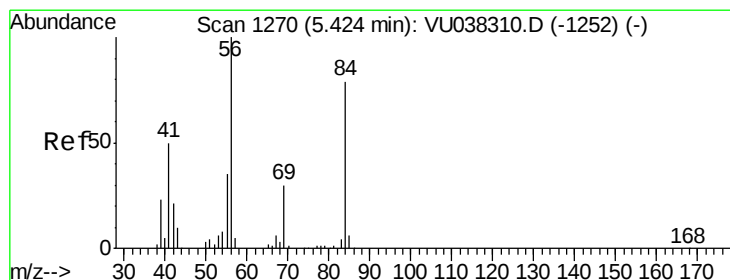
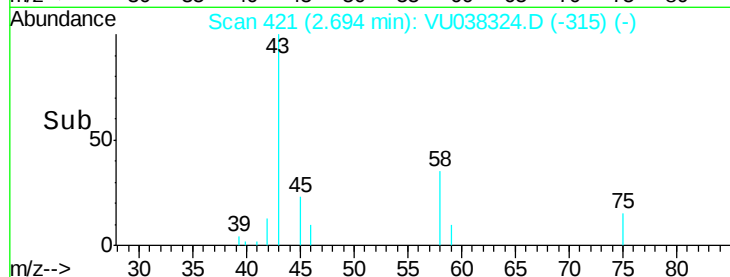
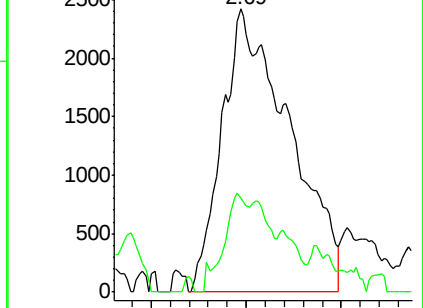
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Abundance Ion 43.05 (42.75 to 43.75): VU038324.D (-315) (-)

Ion 58.05 (57.75 to 58.75): VU038324.D (-315) (-)



#30

Cyclohexane

Concen: 0.087 ug/L

RT: 5.42 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VU038324.D

Acq: 27 May 2020 16:33

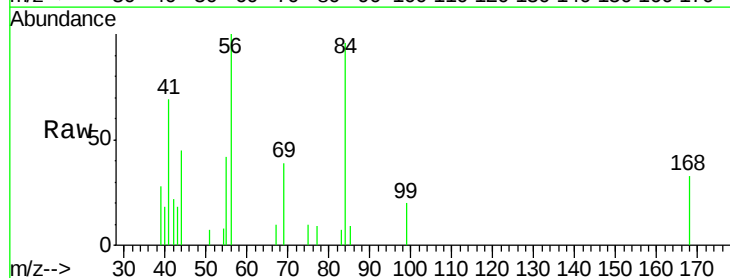
Tgt Ion: 56 Resp: 3488

Ion Ratio Lower Upper

56 100

69 21.3 24.2 36.4#

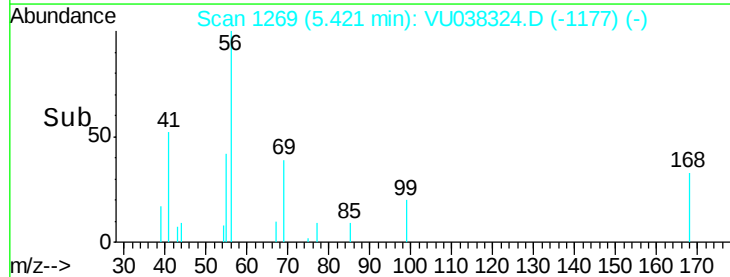
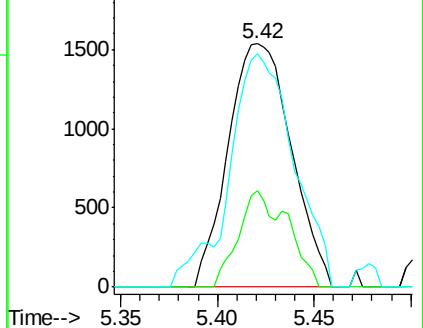
84 97.8 68.5 102.7

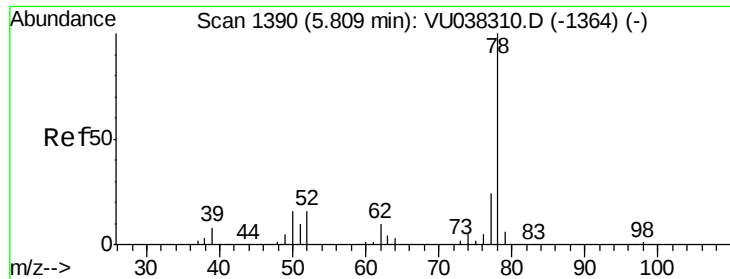


Abundance Ion 56.10 (55.80 to 56.80): VU038324.D (-1177) (-)

Ion 69.15 (68.85 to 69.85): VU038324.D (-1177) (-)

Ion 84.15 (83.85 to 84.85): VU038324.D (-1177) (-)





#33

Benzene

Concen: 0.785 ug/L

RT: 5.81 min Scan# 1390

Delta R.T. 0.00 min

Lab File: VU038324.D

Acq: 27 May 2020 16:33

Instrument :

MSVOA\_U

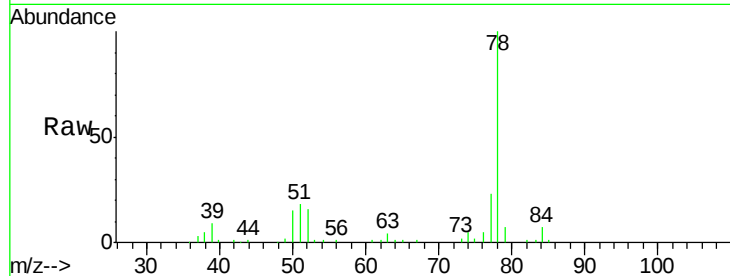
ClientSampleId :

BE4X1

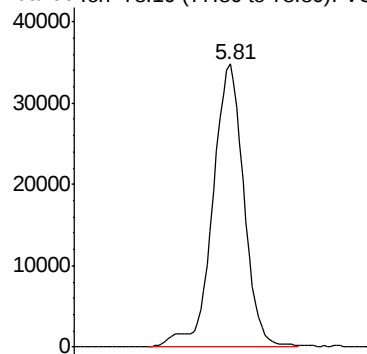
Tgt Ion: 78 Resp: 74468

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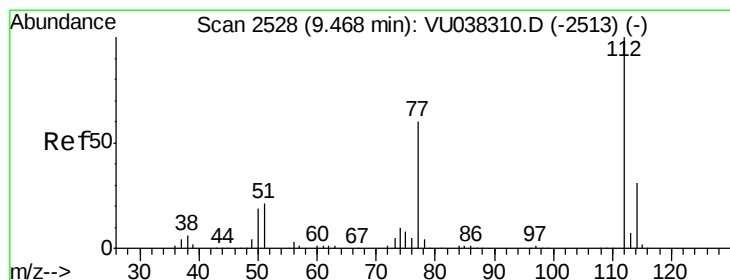
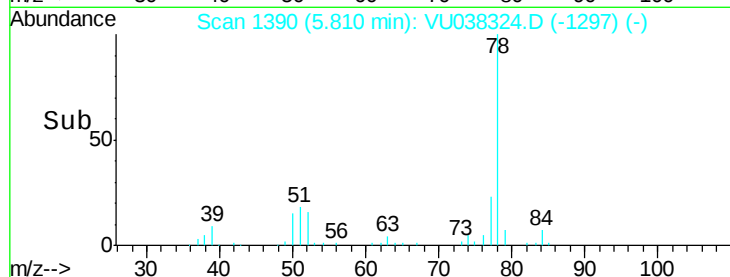
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Abundance Ion 78.10 (77.80 to 78.80): VU0



Time-->



#51

Chlorobenzene

Concen: 10.148 ug/L

RT: 9.47 min Scan# 2527

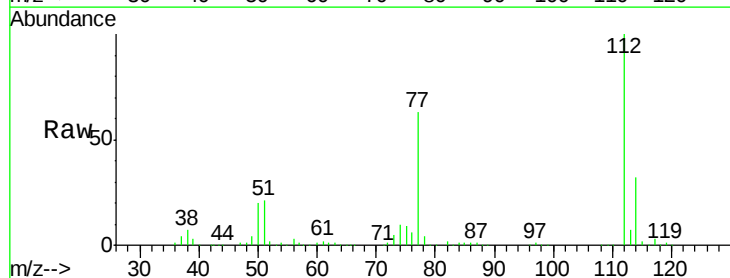
Delta R.T. -0.00 min

Lab File: VU038324.D

Acq: 27 May 2020 16:33

Tgt Ion: 112 Resp: 630431

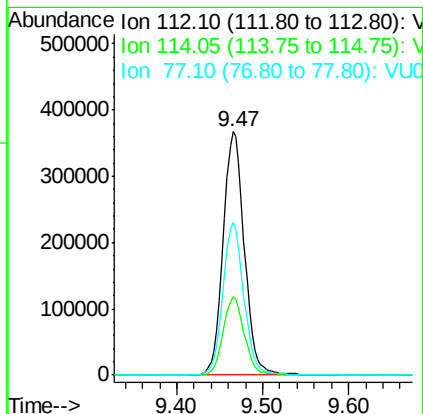
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 112 | 100   |       |       |
| 114 | 32.0  | 22.5  | 41.7  |
| 77  | 62.5  | 49.9  | 74.9  |



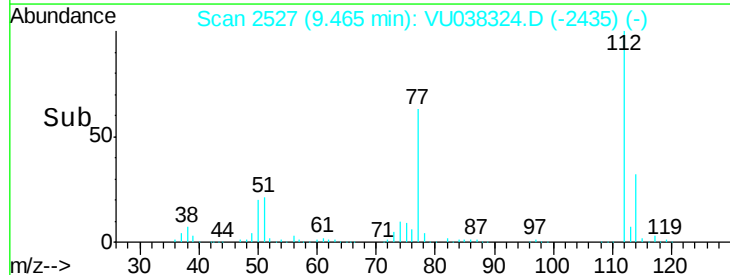
Abundance Ion 112.10 (111.80 to 112.80): V

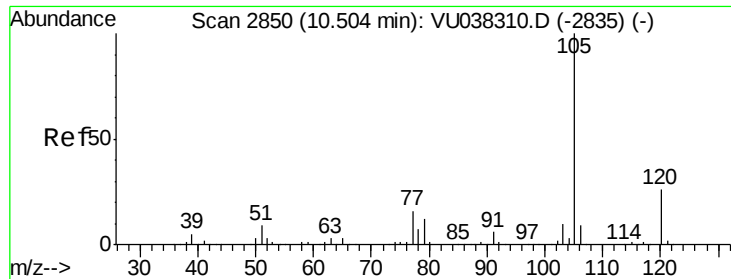
Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VU0



Time-->





#56

Isopropylbenzene

Concen: 0.260 ug/L

RT: 10.50 min Scan# 2849

Delta R.T. -0.00 min

Lab File: VU038324.D

Acq: 27 May 2020 16:33

Instrument :

MSVOA\_U

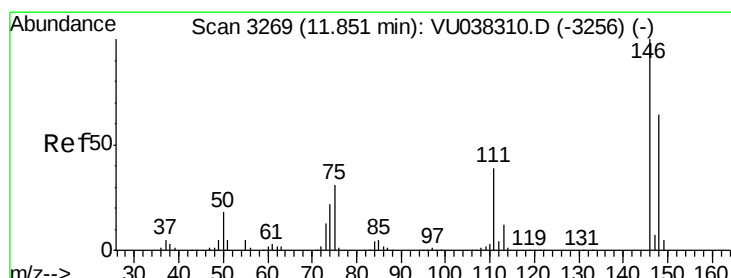
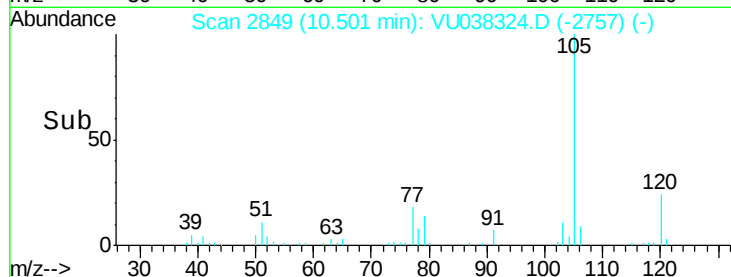
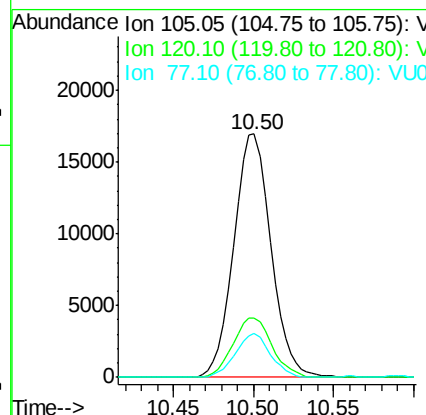
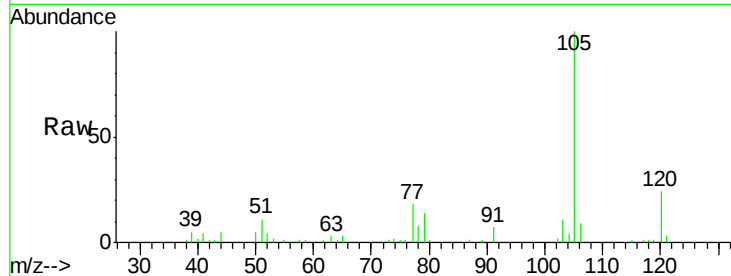
ClientSampled :

BE4X1

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 105   | Resp: | 26875 |
| Ion Ratio | Lower | Upper |       |
| 105       | 100   |       |       |
| 120       | 25.4  | 21.0  | 31.6  |
| 77        | 16.9  | 13.0  | 19.4  |

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#63

1,4-Dichlorobenzene

Concen: 0.298 ug/L

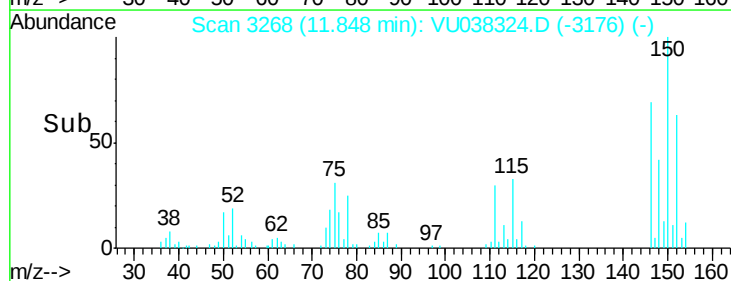
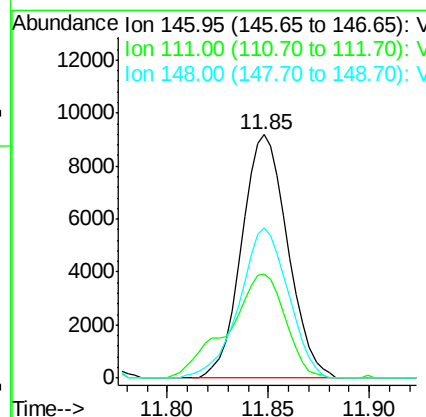
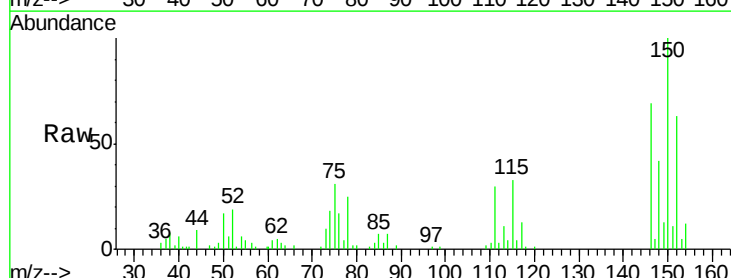
RT: 11.85 min Scan# 3268

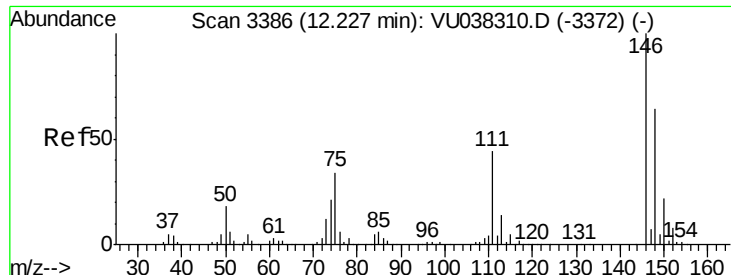
Delta R.T. -0.00 min

Lab File: VU038324.D

Acq: 27 May 2020 16:33

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 146   | Resp: | 14654 |
| Ion Ratio | Lower | Upper |       |
| 146       | 100   |       |       |
| 111       | 43.0  | 27.2  | 50.6  |
| 148       | 61.7  | 43.8  | 81.3  |





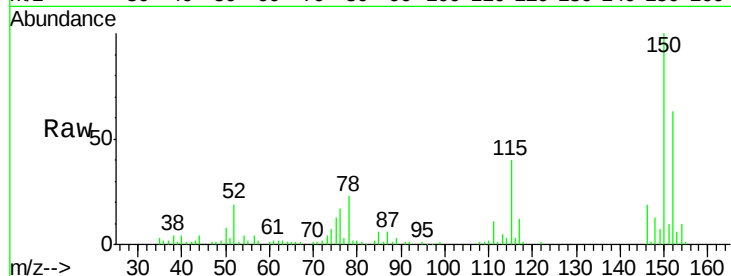
#65  
 1,2-Dichlorobenzene  
 Concen: 0.198 ug/L  
 RT: 12.22 min Scan# 3385  
 Delta R.T. -0.00 min  
 Lab File: VU038324.D  
 Acq: 27 May 2020 16:33

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BE4X1

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 56.2  | 35.3  | 52.9# |
| 148     | 70.2  | 51.0  | 76.4  |

Manual Integrations  
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 5/29/2020 8:40:00 AM



Abundance Ion 145.95 (145.65 to 146.65): V  
 Ion 111.00 (110.70 to 111.70): V  
 Ion 148.00 (147.70 to 148.70): V

