

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU112421\  
 Data File : VU046003.D  
 Acq On : 24 Nov 2021 18:38  
 Operator : SY/MD  
 Sample : M4722-07  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 C0G28

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 11/26/2021  
 Supervised By : Semsettin Yesilyurt 11/29/2021

Quant Time: Nov 26 00:22:46 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR111521WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Fri Nov 26 00:17:51 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units | Dev(Min)  |
|-------------------------------|--------|-------|----------|----------|-------|-----------|
| -----                         |        |       |          |          |       |           |
| Internal Standards            |        |       |          |          |       |           |
| 1) 1,4-Difluorobenzene        | 6.253  | 114   | 87476    | 5.000    | ug/L  | 0.00      |
| 28) Chlorobenzene-d5          | 9.420  | 117   | 87931    | 5.000    | ug/L  | 0.00      |
| 58) 1,4-Dichlorobenzene-d4    | 11.816 | 152   | 42685    | 5.000    | ug/L  | 0.00      |
|                               |        |       |          |          |       |           |
| System Monitoring Compounds   |        |       |          |          |       |           |
| 4) Vinyl Chloride-d3          | 1.601  | 65    | 14662    | 2.116    | ug/L  | 0.00      |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =     | 42.400%   |
| 7) Chloroethane-d5            | 1.919  | 69    | 23333    | 4.625    | ug/L  | 0.00      |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =     | 92.400%   |
| 11) 1,1-Dichloroethene-d2     | 2.572  | 65    | 10252    | 3.527    | ug/L  | 0.00      |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =     | 70.600%   |
| 20) 2-Butanone-d5             | 4.649  | 46    | 125663   | 67.659   | ug/L  | -0.02     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =     | 135.320%# |
| 24) Chloroform-d              | 5.067  | 84    | 61448    | 5.322    | ug/L  | 0.00      |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =     | 106.400%  |
| 26) 1,2-Dichloroethane-d4     | 5.707  | 65    | 35962    | 5.308    | ug/L  | 0.00      |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =     | 106.200%  |
| 32) Benzene-d6                | 5.729  | 84    | 122421   | 5.056    | ug/L  | 0.00      |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =     | 101.200%  |
| 36) 1,2-Dichloropropane-d6    | 6.694  | 67    | 40572    | 5.316    | ug/L  | 0.00      |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =     | 106.400%  |
| 41) Toluene-d8                | 7.899  | 98    | 104517   | 4.771    | ug/L  | 0.00      |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =     | 95.400%   |
| 43) trans-1,3-Dichloroprop... | 8.182  | 79    | 11579    | 3.737    | ug/L  | 0.00      |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =     | 74.800%   |
| 46) 2-Hexanone-d5             | 8.636  | 63    | 88317    | 63.336   | ug/L  | 0.00      |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =     | 126.680%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.758 | 84    | 37900    | 5.878    | ug/L  | 0.00      |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =     | 117.600%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.195 | 152   | 43056    | 5.875    | ug/L  | 0.00      |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =     | 117.400%  |
|                               |        |       |          |          |       |           |
| Target Compounds              |        |       |          |          |       | Qvalue    |
| 3) Chloromethane              | 1.520  | 50    | 2842     | 0.377    | ug/L  | 100       |
| 8) Chloroethane               | 1.938  | 64    | 1133     | 0.262    | ug/L  | 91        |
| 13) Acetone                   | 2.675  | 43    | 11713    | 10.715   | ug/L  | 55        |
| 14) Carbon disulfide          | 2.800  | 76    | 190170   | 11.104   | ug/L  | 99        |
| 16) Methylene chloride        | 3.051  | 84    | 12628    | 1.580    | ug/L  | 100       |
| 21) 2-Butanone                | 4.723  | 43    | 6573m    | 3.574    | ug/L  |           |
| 25) Chloroform                | 5.092  | 83    | 22382    | 1.897    | ug/L  | 97        |
| 33) Benzene                   | 5.777  | 78    | 34021    | 1.386    | ug/L  | 100       |
| 40) 4-Methyl-2-pentanone      | 7.797  | 43    | 42494    | 10.033   | ug/L  | 99        |
| 42) Toluene                   | 7.973  | 91    | 285723   | 11.281   | ug/L  | 99        |
| 52) Ethylbenzene              | 9.571  | 91    | 20069    | 0.757    | ug/L  | 95        |
| 53) m,p-Xylene                | 9.694  | 106   | 33335    | 3.282    | ug/L  | 95        |
| 54) o-Xylene                  | 10.102 | 106   | 15466    | 1.578    | ug/L  | 95        |
| 60) Isopropylbenzene          | 10.488 | 105   | 2776     | 0.111    | ug/L  | 96        |
| 62) 1,3,5-Trimethylbenzene    | 11.089 | 105   | 1629     | 0.079    | ug/L  | 92        |
| 63) 1,2,4-Trimethylbenzene    | 11.468 | 105   | 5503     | 0.268    | ug/L  | 99        |
| -----                         |        |       |          |          |       |           |

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

**Instrument :**  
MSVOA\_U  
**ClientSampleId :**  
C0G28

**Manual Integrations**  
**APPROVED**

Reviewed By :John Carlone 11/26/2021  
Supervised By :Semsettin Yesilyurt 11/29/2021

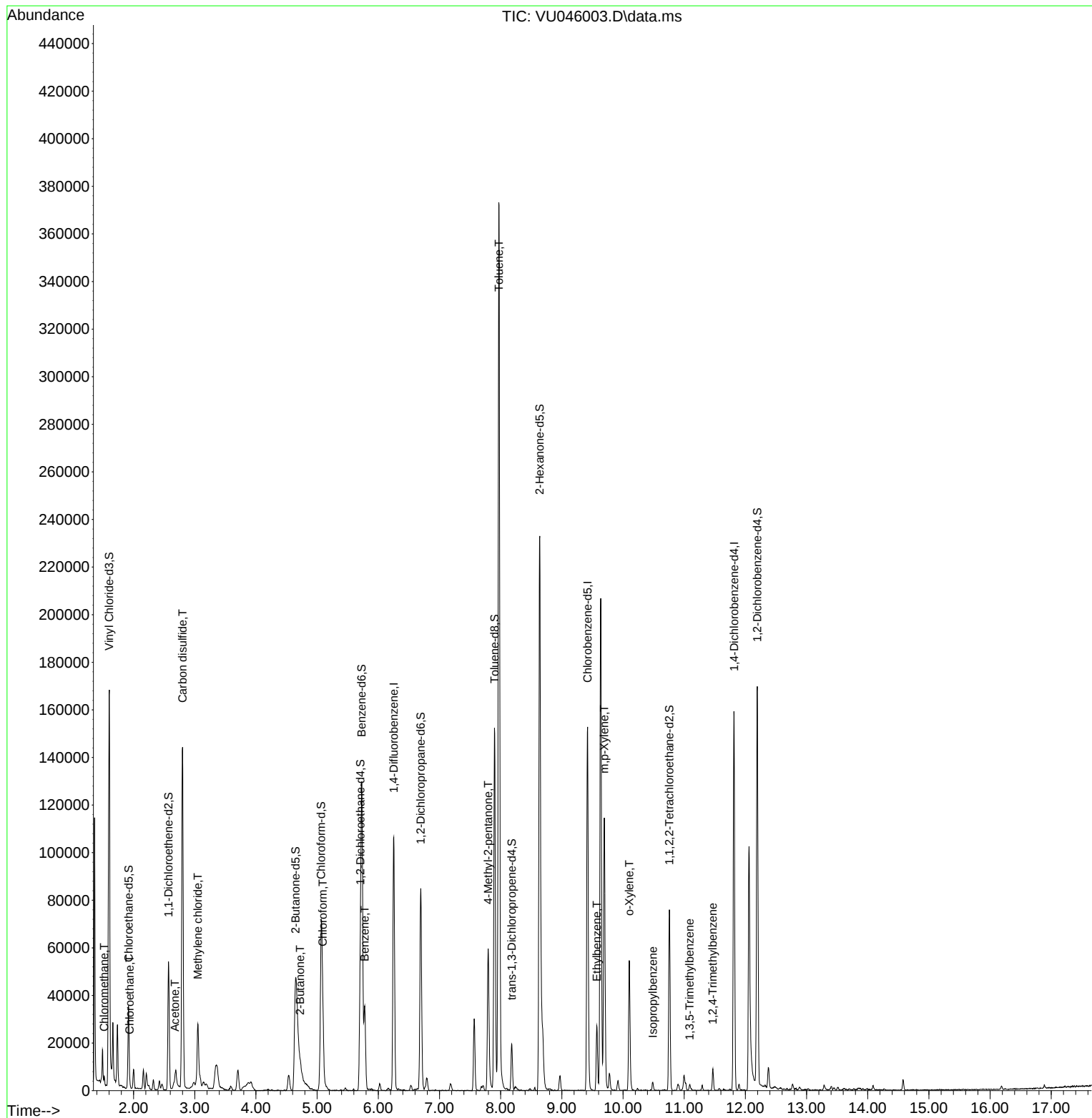
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU112421\  
Data File : VU046003.D  
Acq On : 24 Nov 2021 18:38  
Operator : SY/MD  
Sample : M4722-07  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 20 Sample Multiplier: 1

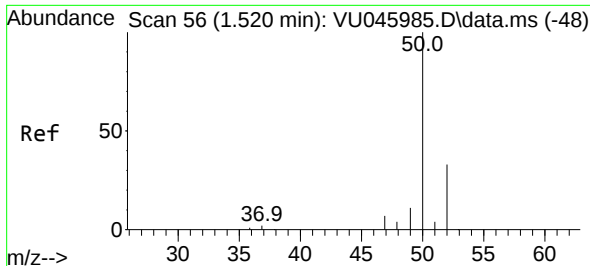
Instrument :  
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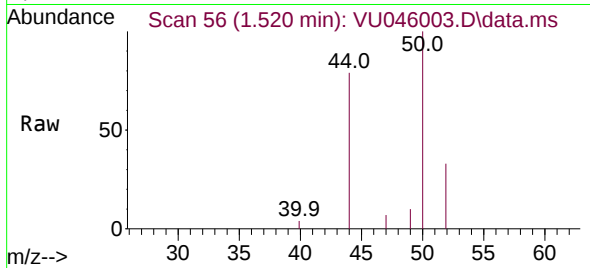
Quant Time: Nov 26 00:22:46 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR111521WMA.M  
Quant Title : TRACE VOA SFAM1.0  
QLast Update : Fri Nov 26 00:17:51 2021  
Response via : Initial Calibration





#3  
Chloromethane  
Concen: 0.377 ug/L  
RT: 1.520 min Scan# 50  
Delta R.T. 0.000 min  
Lab File: VU046003.D  
Acq: 24 Nov 2021 18:38

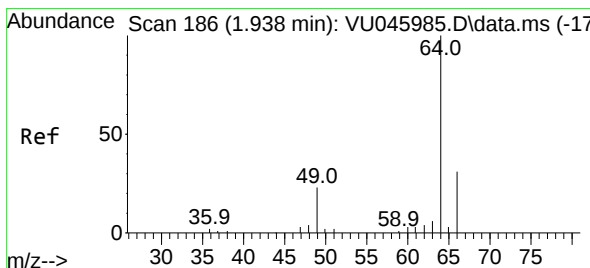
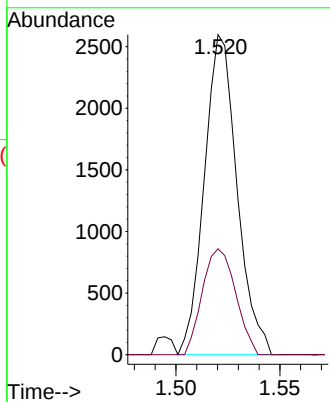
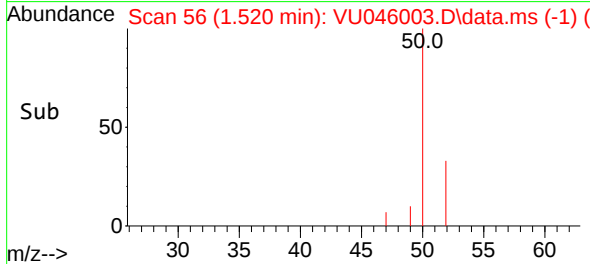
Instrument :  
MSVOA\_U  
ClientSampleId :  
C0G28



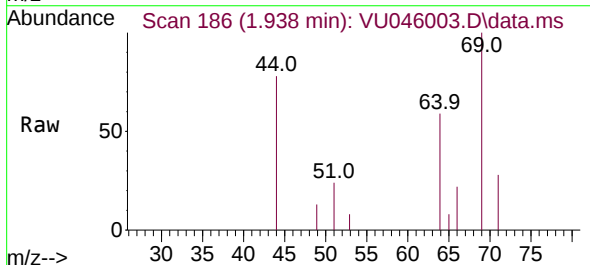
Tgt Ion: 50 Resp: 284  
Ion Ratio Lower Upper  
50 100  
52 33.1 23.0 42.8

Manual Integrations  
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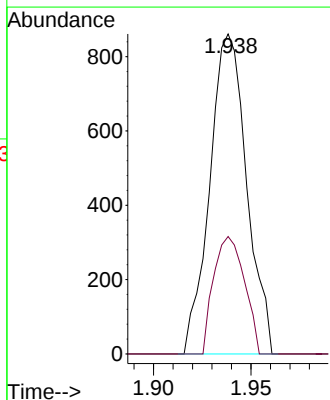
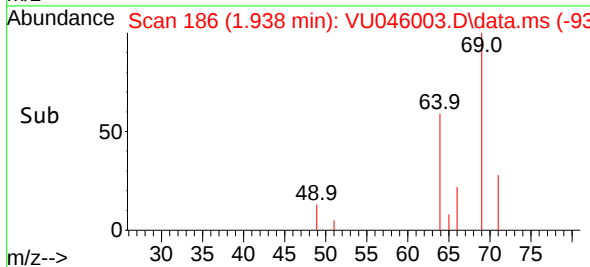
Reviewed By :John Carlone 11/26/2021  
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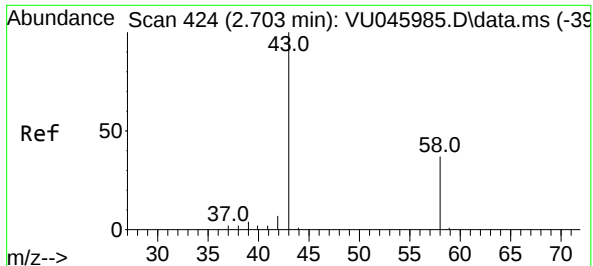


#8  
Chloroethane  
Concen: 0.262 ug/L  
RT: 1.938 min Scan# 186  
Delta R.T. 0.000 min  
Lab File: VU046003.D  
Acq: 24 Nov 2021 18:38



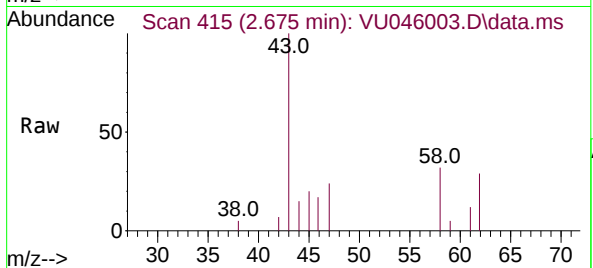
Tgt Ion: 64 Resp: 1133  
Ion Ratio Lower Upper  
64 100  
66 36.7 22.1 41.1





#13  
Acetone  
Concen: 10.715 ug/L  
RT: 2.675 min Scan# 415  
Delta R.T. -0.029 min  
Lab File: VU046003.D  
Acq: 24 Nov 2021 18:38

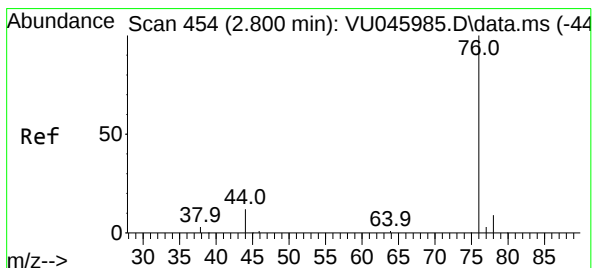
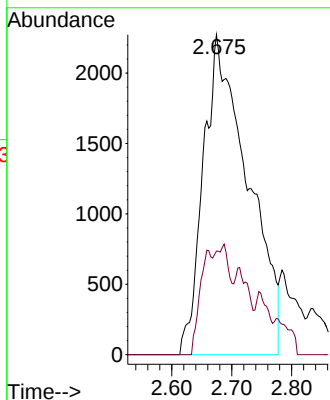
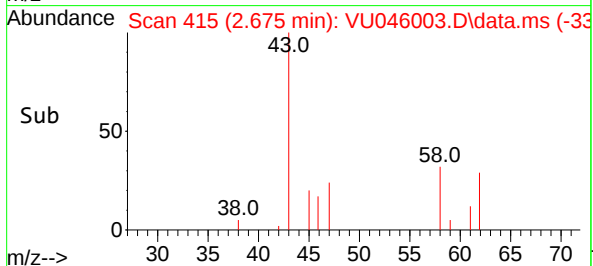
Instrument :  
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ClientSampleId :  
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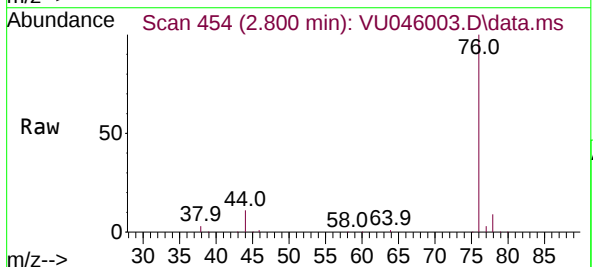
Tgt Ion: 43 Resp: 1171  
Ion Ratio Lower Upper  
43 100  
58 9.4 0.0 71.6

Manual Integrations  
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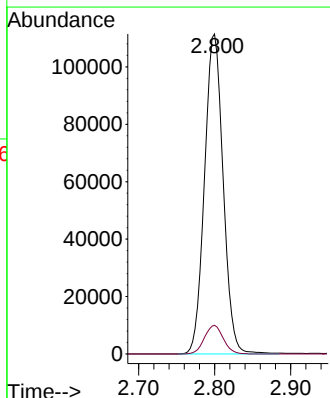
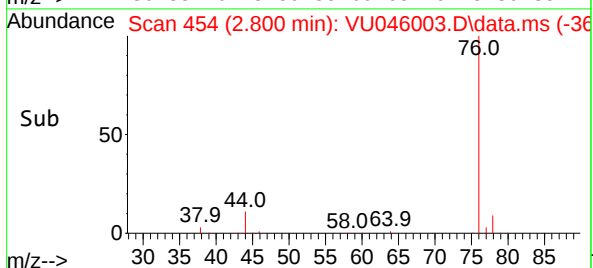
Reviewed By :John Carlone 11/26/2021  
Supervised By :Semsettin Yesilyurt 11/29/2021

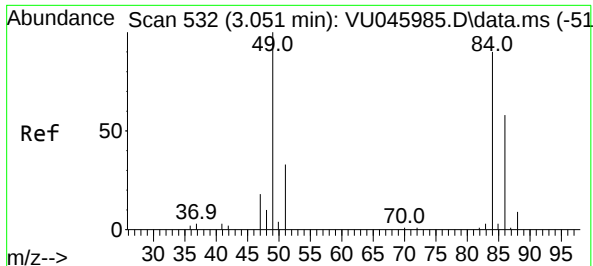


#14  
Carbon disulfide  
Concen: 11.104 ug/L  
RT: 2.800 min Scan# 454  
Delta R.T. 0.000 min  
Lab File: VU046003.D  
Acq: 24 Nov 2021 18:38



Tgt Ion: 76 Resp: 190170  
Ion Ratio Lower Upper  
76 100  
78 8.9 7.5 11.3





#16

Methylene chloride

Concen: 1.580 ug/L

RT: 3.051 min Scan# 51

Delta R.T. 0.000 min

Lab File: VU046003.D

Acq: 24 Nov 2021 18:38

Instrument :

MSVOA\_U

ClientSampleId :

C0G28

Tgt Ion: 84 Resp: 12628

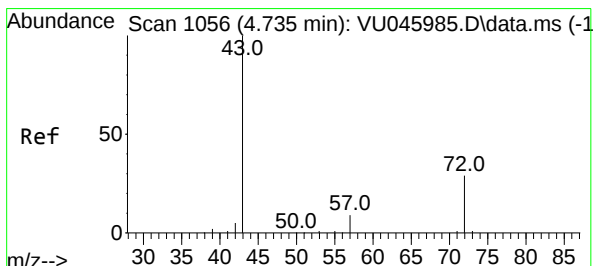
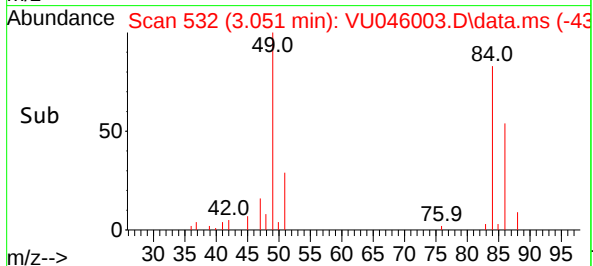
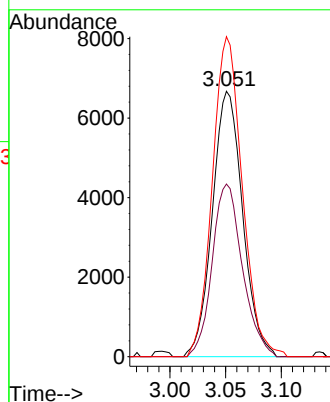
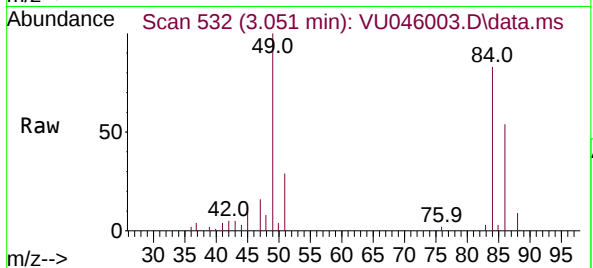
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 84  | 100   |       |       |
| 86  | 65.0  | 45.8  | 85.0  |
| 49  | 120.5 | 84.5  | 156.9 |

Manual Integrations

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#21

2-Butanone

Concen: 3.574 ug/L m

RT: 4.723 min Scan# 1052

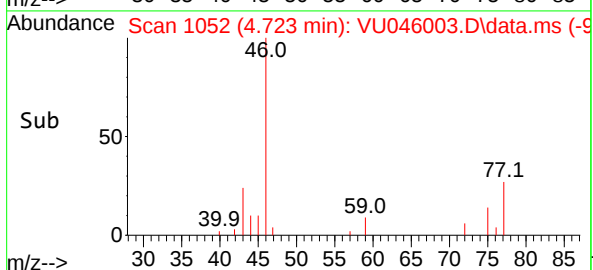
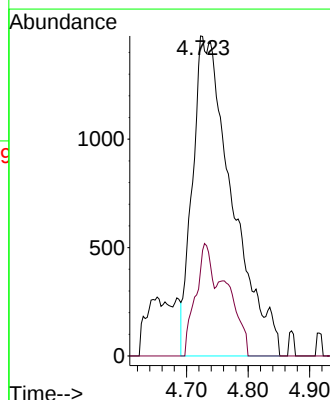
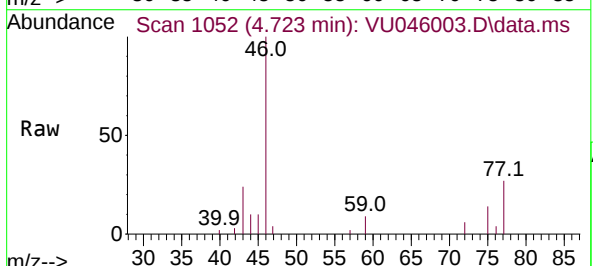
Delta R.T. -0.013 min

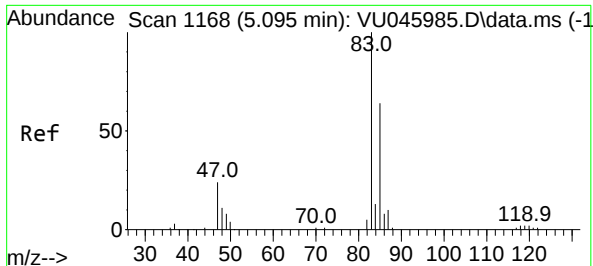
Lab File: VU046003.D

Acq: 24 Nov 2021 18:38

Tgt Ion: 43 Resp: 6573

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 72  | 14.8  | 14.1  | 42.3  |





#25

Chloroform

Concen: 1.897 ug/L

RT: 5.092 min Scan# 1168

Delta R.T. -0.003 min

Lab File: VU046003.D

Acq: 24 Nov 2021 18:38

Instrument :

MSVOA\_U

ClientSampleId :

C0G28

Tgt Ion: 83 Resp: 2238

Ion Ratio Lower Upper

83 100

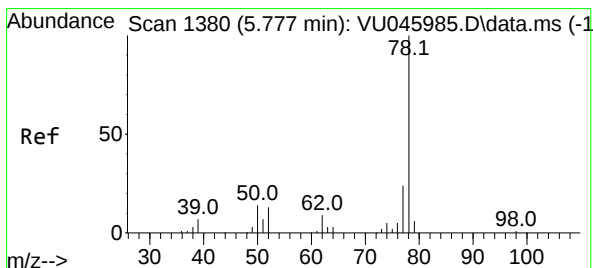
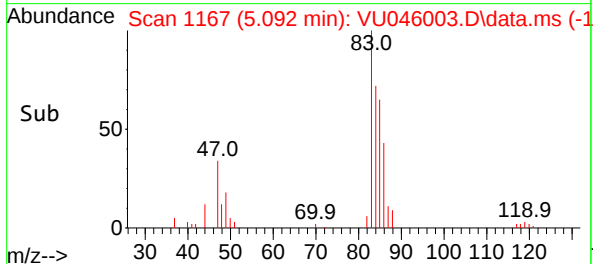
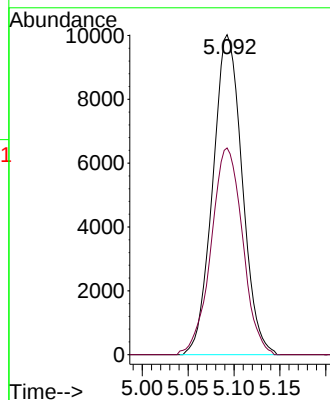
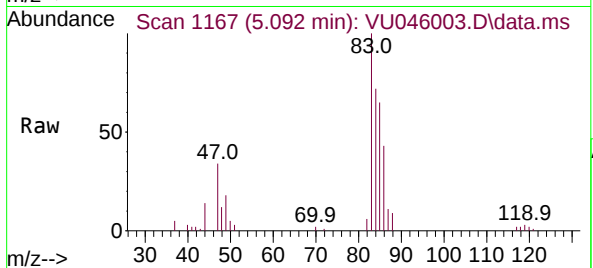
85 64.6 46.9 87.1

Manual Integrations

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#33

Benzene

Concen: 1.386 ug/L

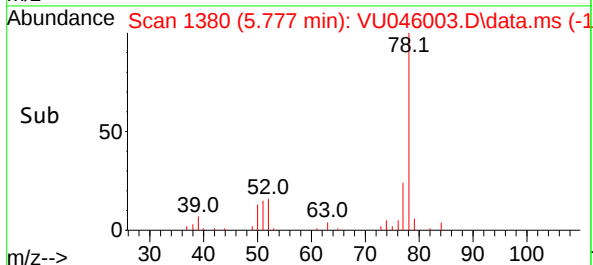
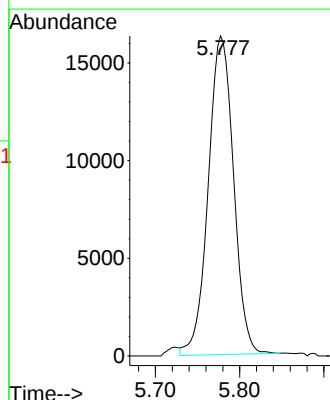
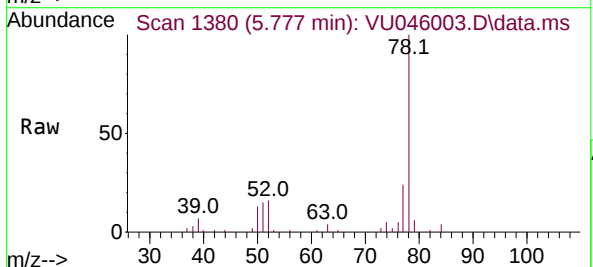
RT: 5.777 min Scan# 1380

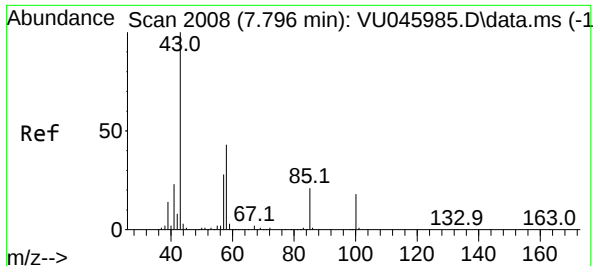
Delta R.T. 0.000 min

Lab File: VU046003.D

Acq: 24 Nov 2021 18:38

Tgt Ion: 78 Resp: 34021





#40

4-Methyl-2-pentanone

Concen: 10.033 ug/L

RT: 7.797 min Scan# 2008

Delta R.T. 0.000 min

Lab File: VU046003.D

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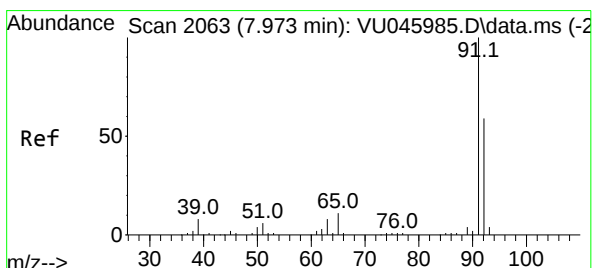
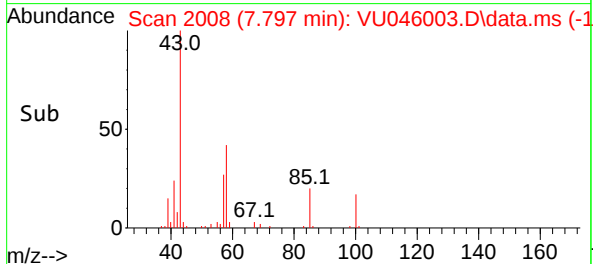
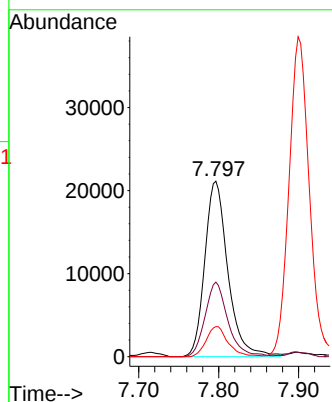
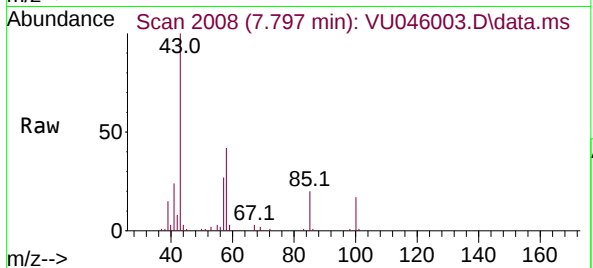
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 43    | Resp: | 42494 |
| Ion Ratio | Lower | Upper |       |
| 43        | 100   |       |       |
| 58        | 41.9  | 33.1  | 49.7  |
| 100       | 16.3  | 13.2  | 19.8  |

Manual Integrations

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#42

Toluene

Concen: 11.281 ug/L

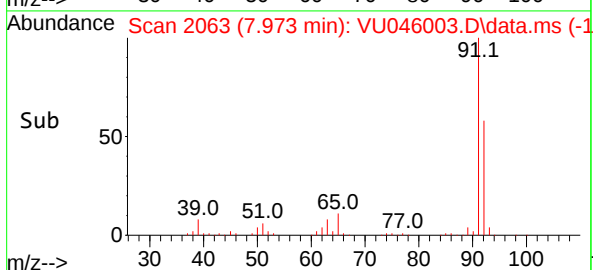
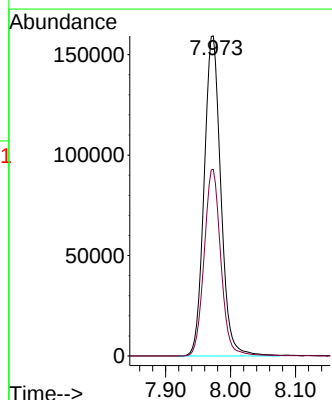
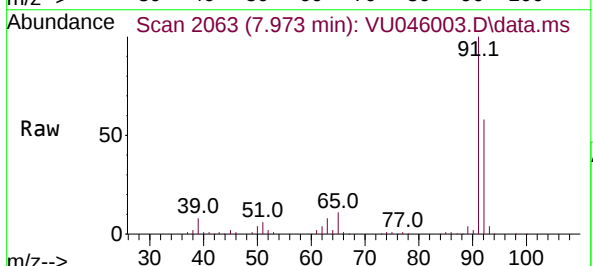
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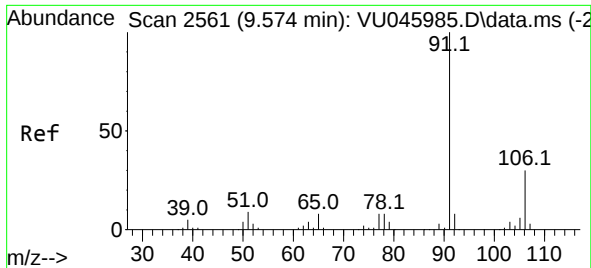
Delta R.T. 0.000 min

Lab File: VU046003.D

Acq: 24 Nov 2021 18:38

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 91    | Resp: | 285723 |
| Ion Ratio | Lower | Upper |        |
| 91        | 100   |       |        |
| 92        | 58.3  | 41.3  | 76.7   |





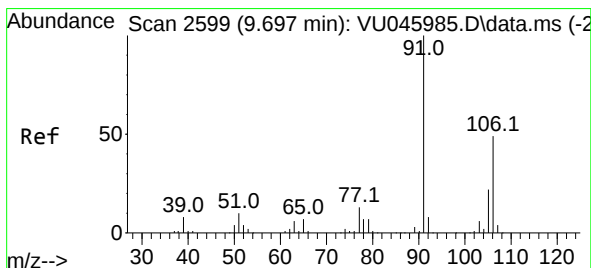
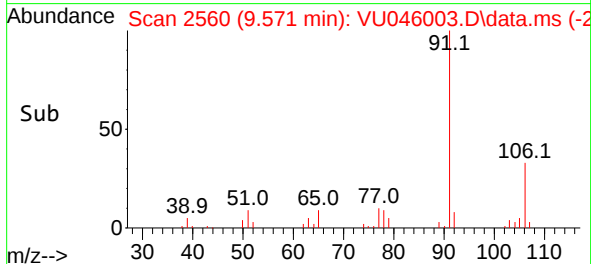
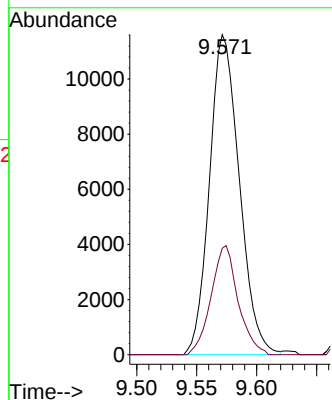
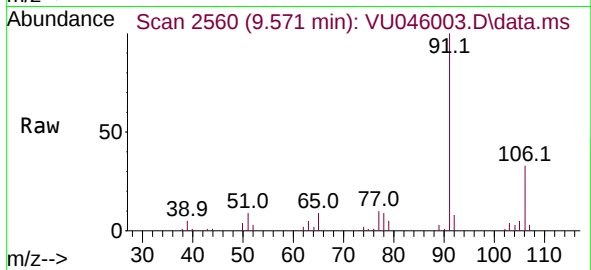
#52  
Ethylbenzene  
Concen: 0.757 ug/L  
RT: 9.571 min Scan# 2561  
Delta R.T. -0.003 min  
Lab File: VU046003.D  
Acq: 24 Nov 2021 18:38

Instrument :  
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ClientSampleId :  
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Tgt Ion: 91 Resp: 20069  
Ion Ratio Lower Upper  
91 100  
106 33.2 21.5 39.9

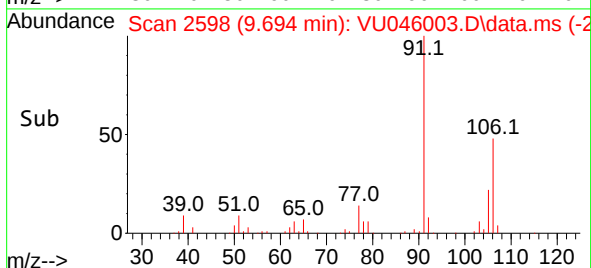
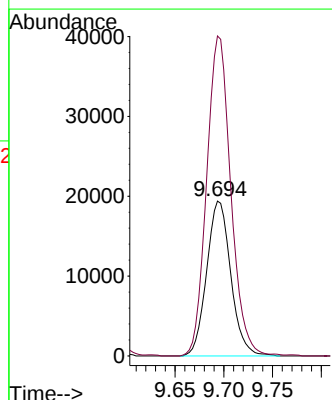
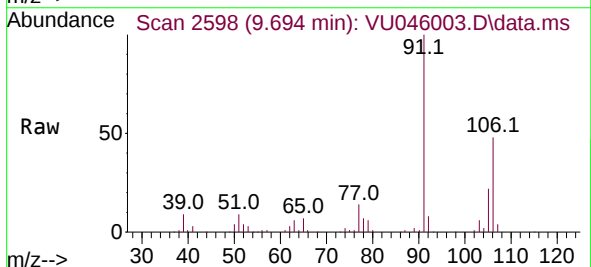
Manual Integrations  
APPROVED

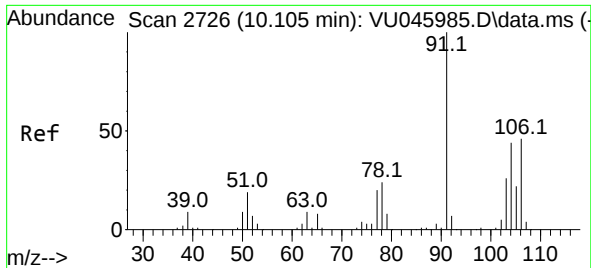
Reviewed By :John Carlone 11/26/2021  
Supervised By :Semsettin Yesilyurt 11/29/2021



#53  
m,p-Xylene  
Concen: 3.282 ug/L  
RT: 9.694 min Scan# 2598  
Delta R.T. -0.003 min  
Lab File: VU046003.D  
Acq: 24 Nov 2021 18:38

Tgt Ion:106 Resp: 33335  
Ion Ratio Lower Upper  
106 100  
91 206.6 139.4 259.0





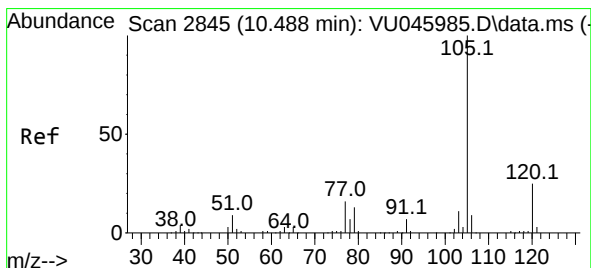
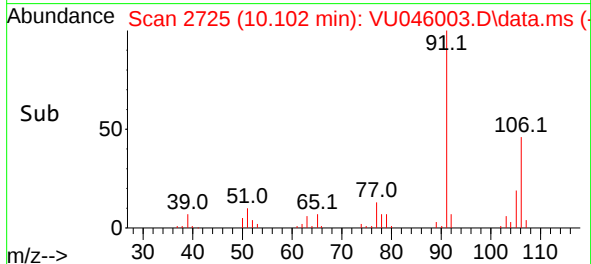
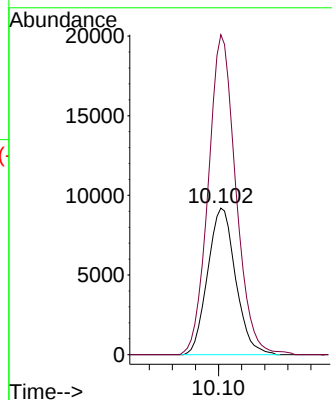
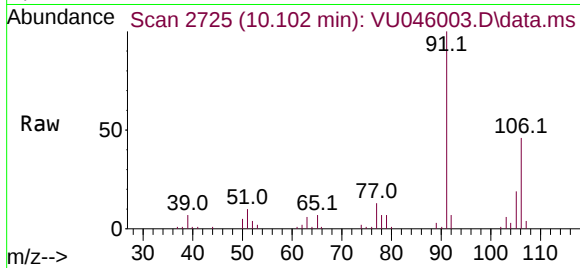
#54  
o-Xylene  
Concen: 1.578 ug/L  
RT: 10.102 min Scan# 21  
Delta R.T. -0.003 min  
Lab File: VU046003.D  
Acq: 24 Nov 2021 18:38

Instrument :  
MSVOA\_U  
ClientSampleId :  
C0G28

Tgt Ion:106 Resp: 1546  
Ion Ratio Lower Upper  
106 100  
91 218.3 147.5 273.9

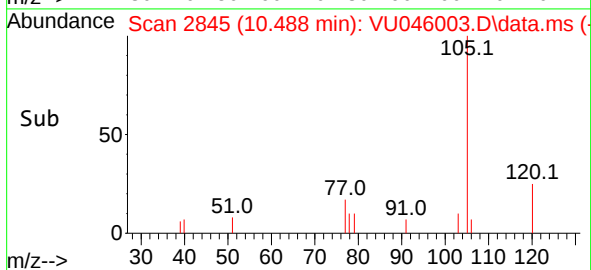
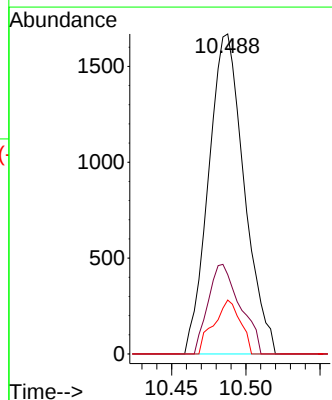
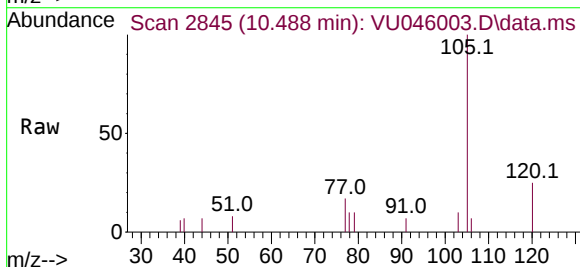
Manual Integrations  
APPROVED

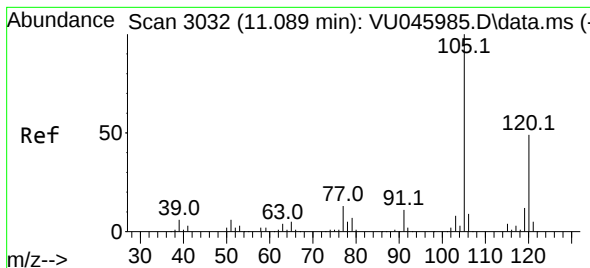
Reviewed By :John Carlone 11/26/2021  
Supervised By :Semsettin Yesilyurt 11/29/2021



#60  
Isopropylbenzene  
Concen: 0.111 ug/L  
RT: 10.488 min Scan# 2845  
Delta R.T. 0.000 min  
Lab File: VU046003.D  
Acq: 24 Nov 2021 18:38

Tgt Ion:105 Resp: 2776  
Ion Ratio Lower Upper  
105 100  
120 25.2 20.7 31.1  
77 12.6 12.6 19.0





#62

1,3,5-Trimethylbenzene

Concen: 0.079 ug/L

RT: 11.089 min Scan# 3032

Delta R.T. 0.000 min

Lab File: VU046003.D

Acq: 24 Nov 2021 18:38

Instrument :

MSVOA\_U

ClientSampleId :

C0G28

Tgt Ion:105 Resp: 1629

Ion Ratio Lower Upper

105 100

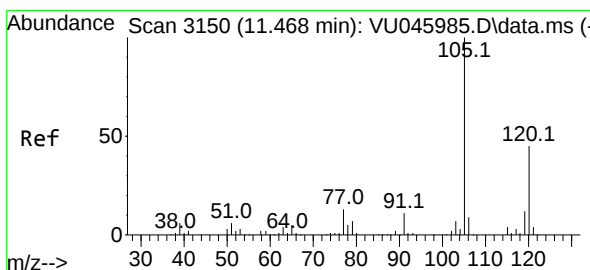
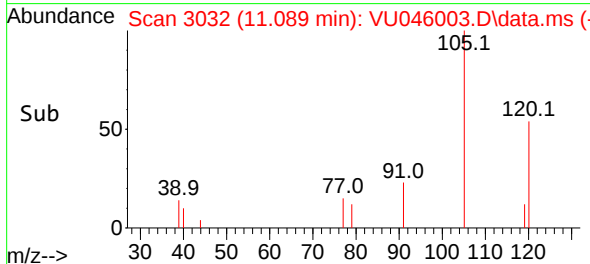
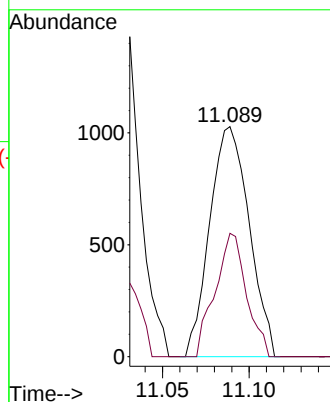
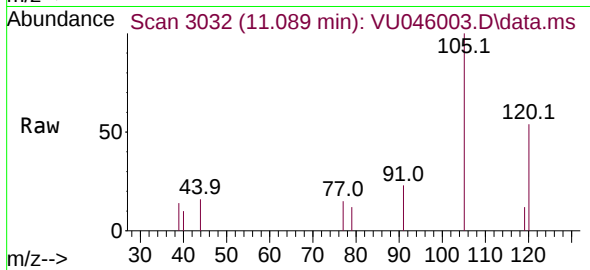
120 42.5 38.3 57.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/26/2021

Supervised By :Semsettin Yesilyurt 11/29/2021



#63

1,2,4-Trimethylbenzene

Concen: 0.268 ug/L

RT: 11.468 min Scan# 3150

Delta R.T. 0.000 min

Lab File: VU046003.D

Acq: 24 Nov 2021 18:38

Tgt Ion:105 Resp: 5503

Ion Ratio Lower Upper

105 100

120 45.6 35.8 53.8

