

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL101221\  
 Data File : VL037839.D  
 Acq On : 12 Oct 2021 21:12  
 Operator : SY/AP  
 Sample : M4079-08DL 10X  
 Misc : 400mL/MSVOA L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA L  
 ClientSampleId :  
 COP20DL

Manual Integrations  
 APPROVED

Reviewed By :Semsettin  
 Yesilyurt

Quant Time: Oct 14 02:11:37 2021  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL100421A  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:  
 QLast Update : Mon Oct 04 17:43:54 2021  
 Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 5.66  | 49   | 1304531  | 10.00 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 7.17  | 114  | 3831471  | 10.00 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 12.08 | 117  | 3291051  | 10.00 | ppbv  | -0.01    |

System Monitoring Compounds

|                             |        |       |          |          |      |        |
|-----------------------------|--------|-------|----------|----------|------|--------|
| 68) 1-Bromo-4-Fluorobenzene | 14.41  | 95    | 2223216  | 9.66     | ppbv | 0.00   |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 96.60% |

| Target Compounds       | R.T.  | QIon | Response | Conc  | Units  | Ovalue |
|------------------------|-------|------|----------|-------|--------|--------|
| 9) Propene             | 3.01  | 41   | 18846m   | 0.204 | ppbv   |        |
| 13) Ethanol            | 3.62  | 45   | 23629m   | 3.133 | ppbv   |        |
| 15) Acetone            | 3.85  | 43   | 262827   | 2.244 | ppbv   | 91     |
| 20) Methylene Chloride | 4.34  | 84   | 46907    | 0.793 | ppbv   | 97     |
| 26) Hexane             | 5.68  | 57   | 27754    | 0.172 | ppbv # | 45     |
| 34) 2-Butanone         | 5.26  | 43   | 59008m   | 0.381 | ppbv   |        |
| 52) Tetrachloroethene  | 11.21 | 164  | 16233m   | 0.127 | ppbv   |        |

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL101221\  
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Operator : SY/AP  
Sample : M4079-08DL 10X  
Misc : 400mL/MSVOA L  
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Instrument :  
MSVOA\_L  
ClientSampleId :  
COP20DL

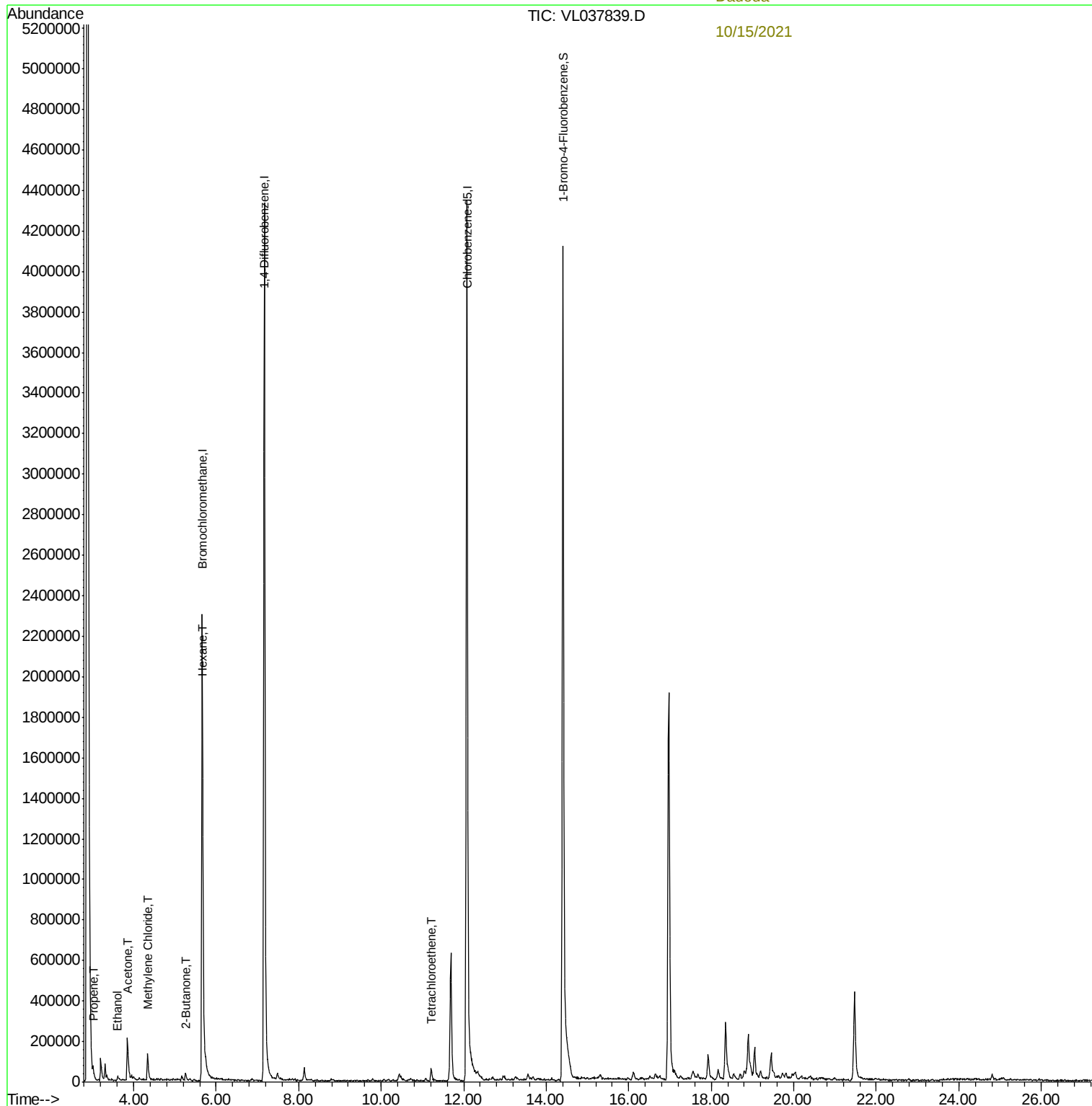
Quant Time: Oct 14 02:11:37 2021  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL100421  
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:  
QLast Update : Mon Oct 04 17:43:54 2021  
Response via : Initial Calibration

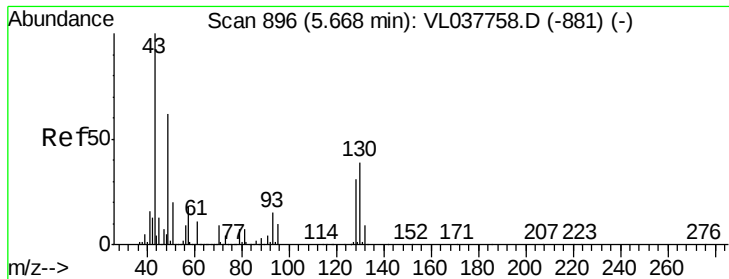
Manual Integrations  
APPROVED

Reviewed By :Semsettin  
Yesilyurt

10/14/2021  
Supervised By :Mahesh  
Dadoda

10/15/2021





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 Instrument: MSVOA\_1

Delta R.T. ClientSampleId:

Lab File: COP20DL

Acq: 12 Oct 2021 21:12

Tot Ion:

Ion Ratio

49 100

128 53.

130 70.

Manual Integrations

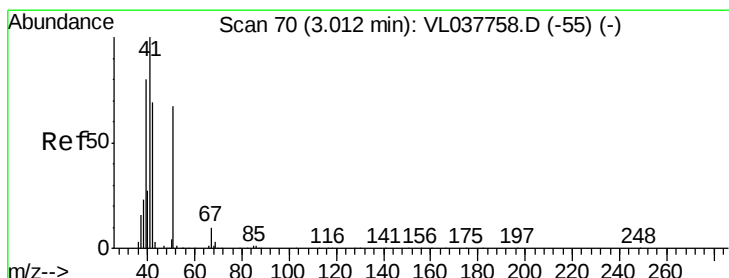
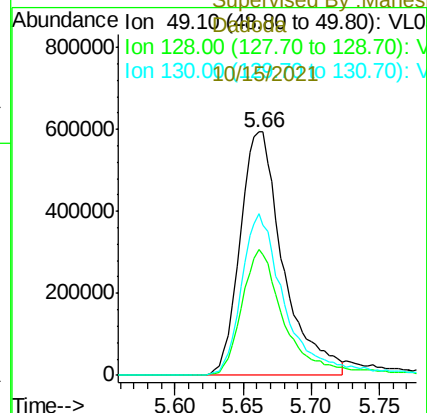
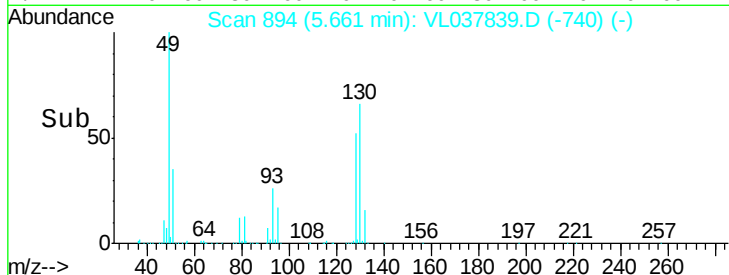
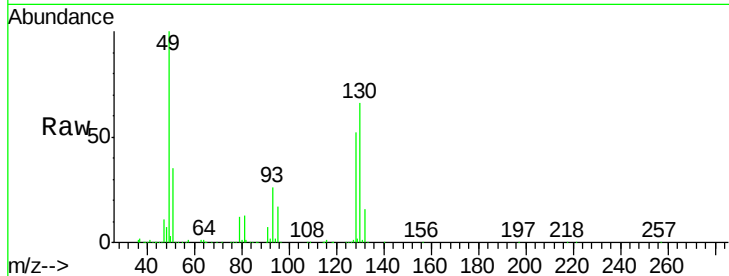
APPROVED

Reviewed By: Semsettin

Yesilyurt

10/14/2021

Supervised By: Mahesh



#9

Propene

Concen: 0.204 ppbv m

RT: 3.01 min Scan# 69

Delta R.T. -0.00 min

Lab File: VL037839.D

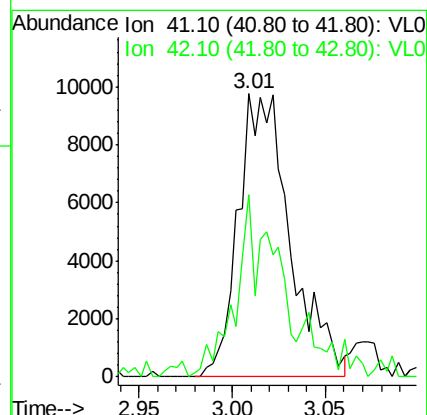
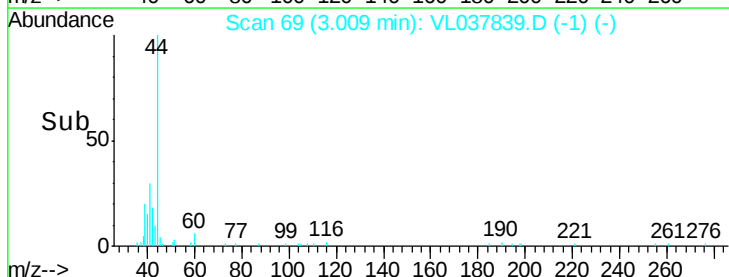
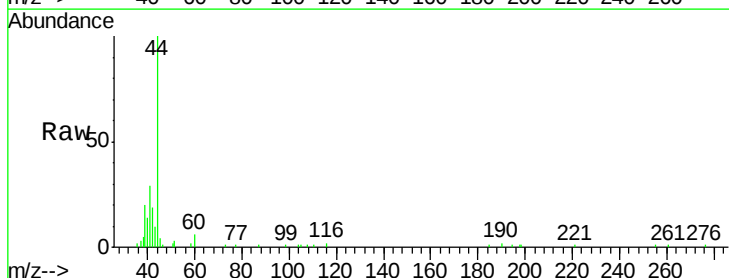
Acq: 12 Oct 2021 21:12

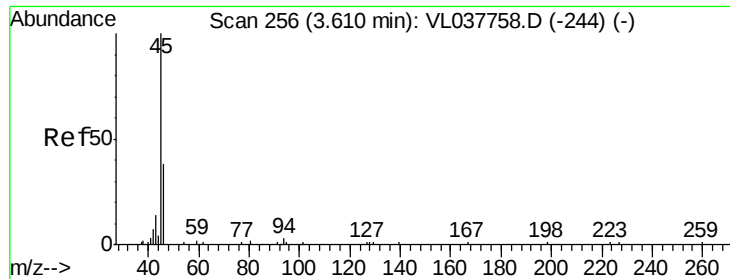
Tgt Ion: 41 Resp: 18846

Ion Ratio Lower Upper

41 100

42 14.9 54.2 81.2#





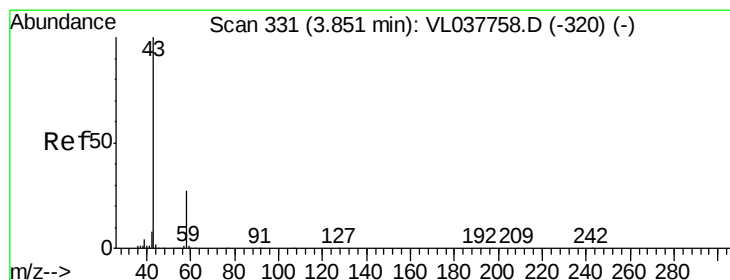
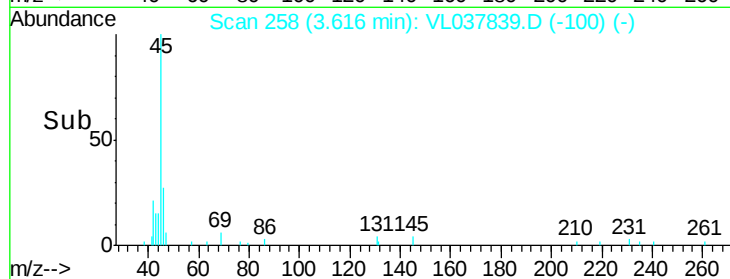
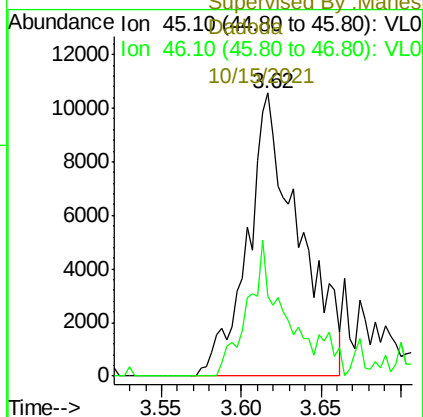
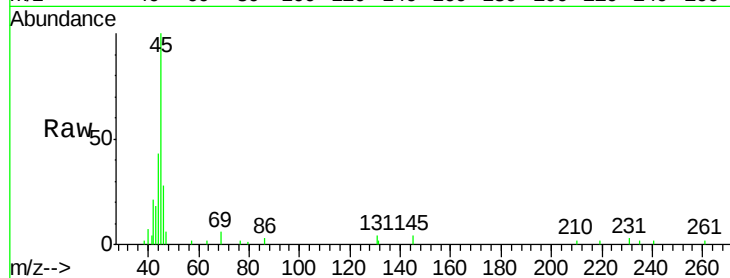
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Ethanol  
Concen: 3.133 ppbv m  
RT: 3.62  
Delta R.T. MSVOA\_L  
Lab File: ClientSampleId :  
Acq: 12 Oct 2021 21:12

Tot Ion:  
Ion Ratio  
45 100  
46 37.

Manual Integrations  
APPROVED

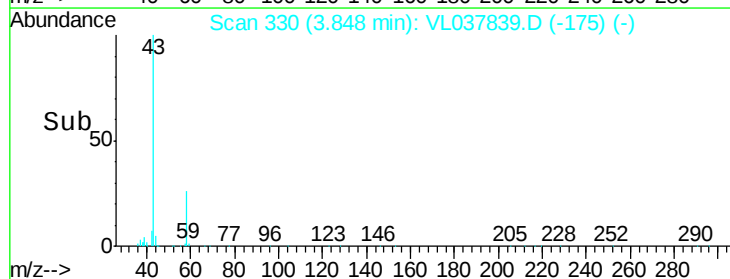
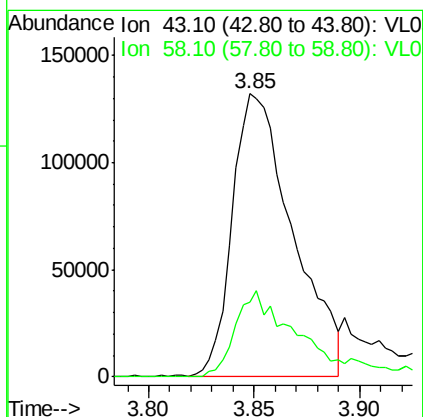
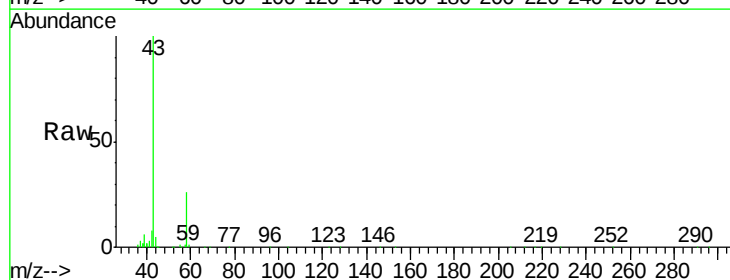
Reviewed By :Semsettin  
Yesilyurt

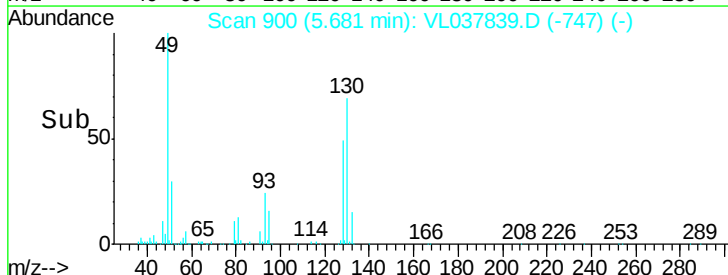
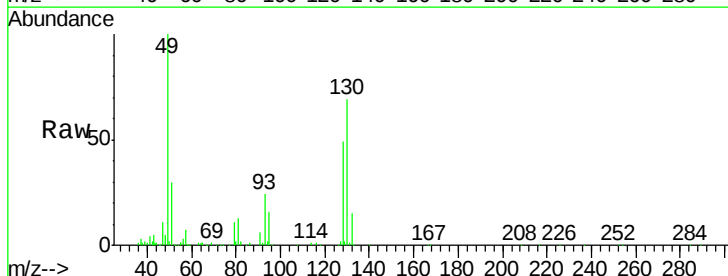
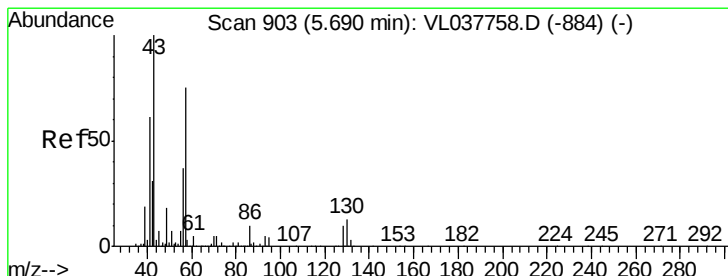
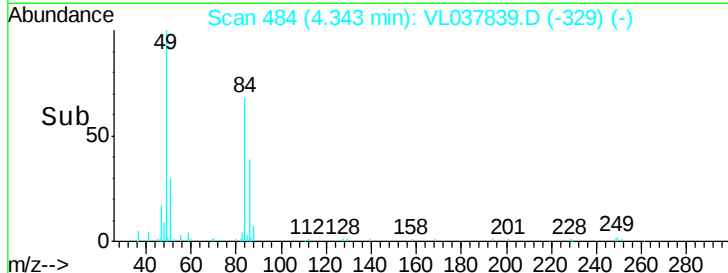
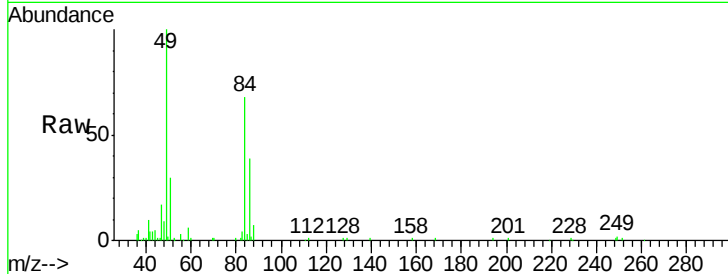
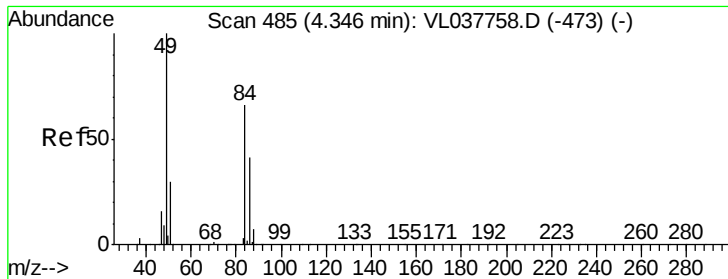
10/14/2021  
Supervised By :Mahesh



#15  
Acetone  
Concen: 2.244 ppbv  
RT: 3.85 min Scan# 330  
Delta R.T. -0.00 min  
Lab File: VL037839.D  
Acq: 12 Oct 2021 21:12

Tgt Ion: 43 Resp: 262827  
Ion Ratio Lower Upper  
43 100  
58 33.5 23.0 34.6





#20

Methvlene Chloride

Concen: 0.793 ppbv

RT: 4.34

Delta R.T. MSVOA\_L

Lab File: ClientSampleId :

Acq: 12 Oct 2021 21:12

Tot Ion:

Ion Ratio

84 100

49 147.

51 43.

86 57.3

Manual Integrations

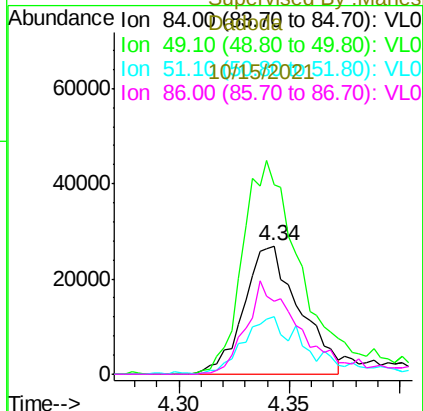
APPROVED

Reviewed By :Semsettin

Yesilyurt

10/14/2021

Supervised By :Manesh



#26

Hexane

Concen: 0.172 ppbv

RT: 5.68 min Scan# 900

Delta R.T. -0.01 min

Lab File: VL037839.D

Acq: 12 Oct 2021 21:12

Tgt Ion: 57 Resp: 27754

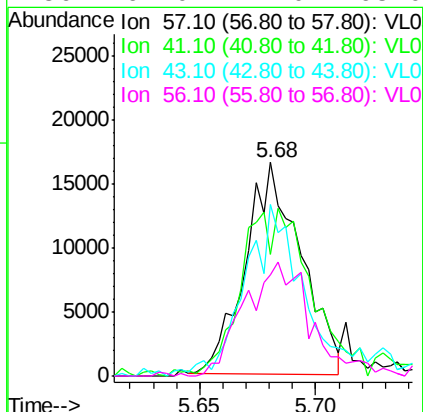
Ion Ratio Lower Upper

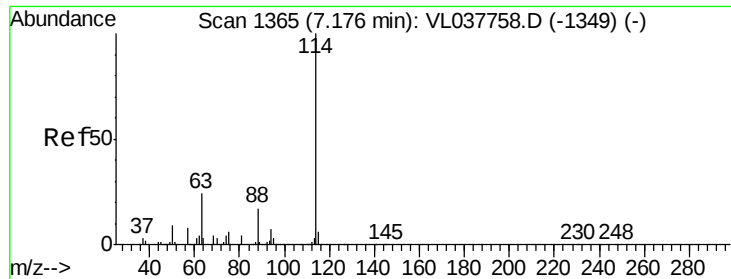
57 100

41 109.0 69.6 104.4#

43 92.8 171.4 257.0#

56 64.0 42.0 63.0#





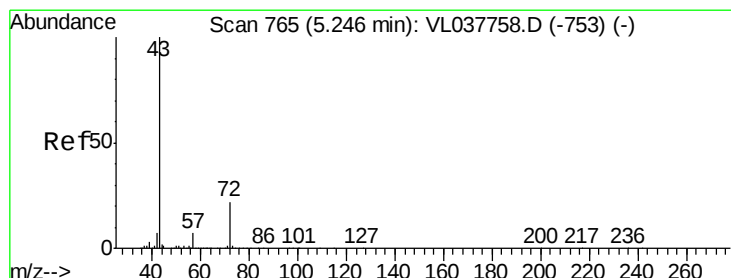
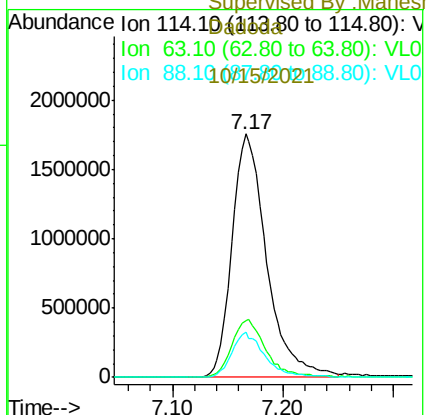
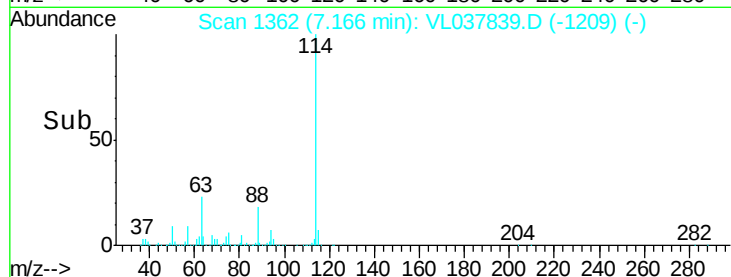
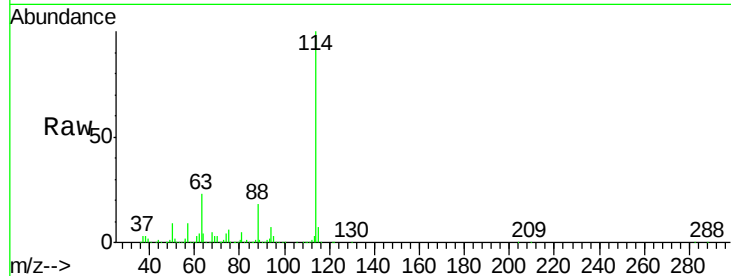
#33  
 1,4-Difluorobenzene  
 Concen: 10.000 ppbv  
 RT: 7.17  
 Delta R.T.: MSVOA\_L  
 Lab File: ClientSampleId :  
 C0P20DL  
 Acq: 12 Oct 2021 21:12

Tot Ion: 1  
 Ion Ratio  
 114 100  
 63 23.  
 88 17.

Manual Integrations  
 APPROVED

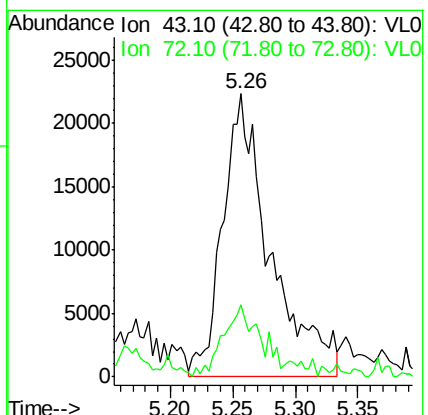
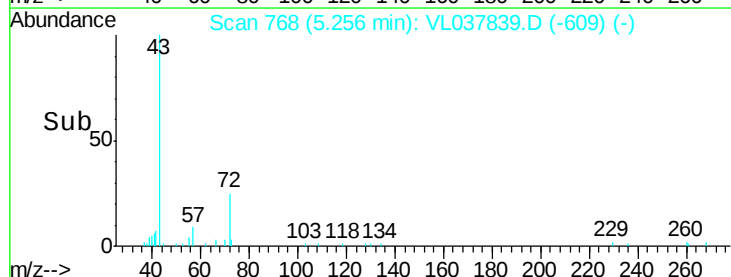
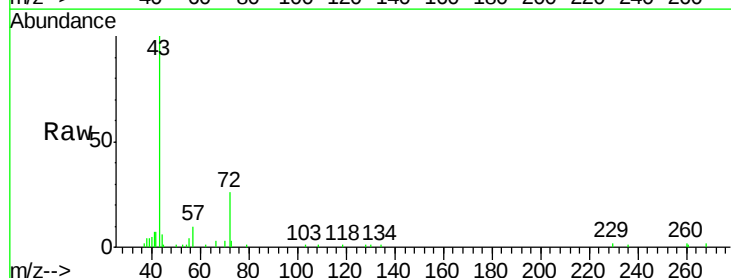
Reviewed By : Semsettin  
 Yesilyurt

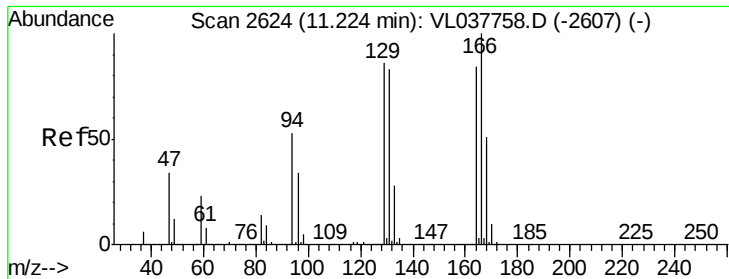
10/14/2021  
 Supervised By : Mahesh



#34  
 2-Butanone  
 Concen: 0.381 ppbv m  
 RT: 5.26 min Scan# 768  
 Delta R.T.: 0.01 min  
 Lab File: VL037839.D  
 Acq: 12 Oct 2021 21:12

Tgt Ion: 43 Resp: 59008  
 Ion Ratio Lower Upper  
 43 100  
 72 22.6 18.2 27.2





#52

Tetrachloroethene

Concen: 0.127 ppbv m

RT: 11.21

Delta R.T.

Lab File:

Acq: 12 Oct 2021 21:12

Instrument : MSVOA\_L  
Client SampleId : COP20DL

Tot Ion:1

Ion Ratio

164 100

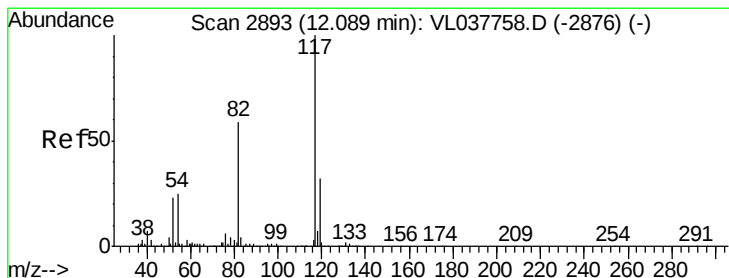
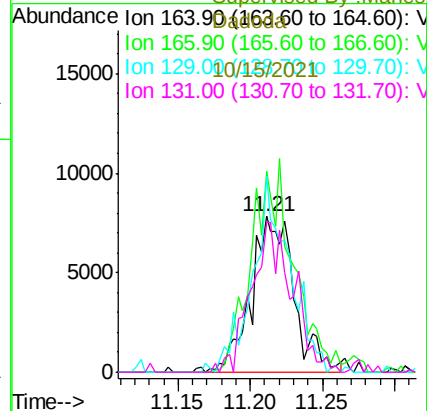
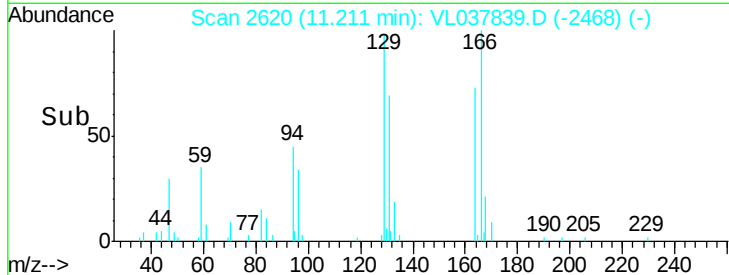
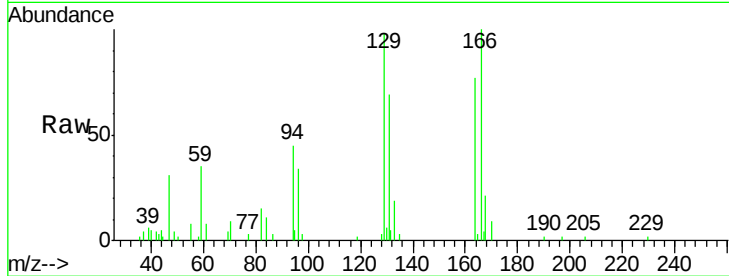
166 129.

129 126.

131 88.9

Manual Integrations  
APPROVED

Reviewed By : Semsettin  
Yesilyurt



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.08 min Scan# 2889

Delta R.T. -0.01 min

Lab File: VL037839.D

Acq: 12 Oct 2021 21:12

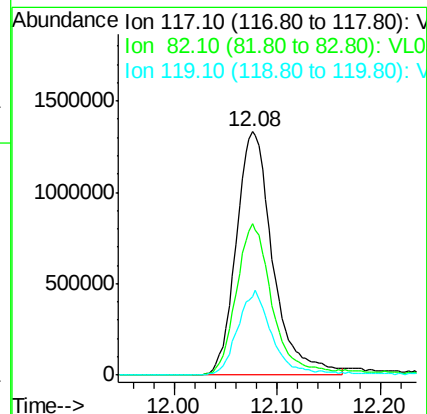
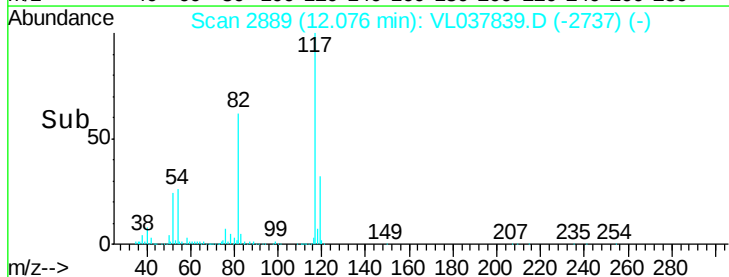
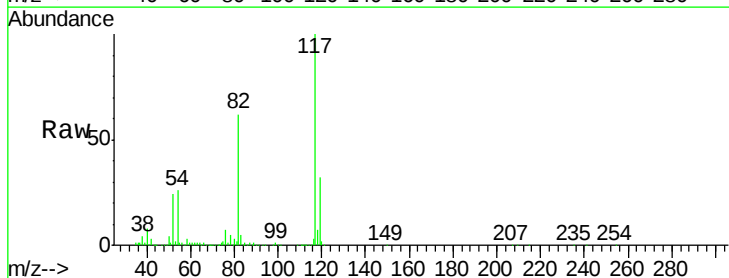
Tgt Ion:117 Resp: 3291051

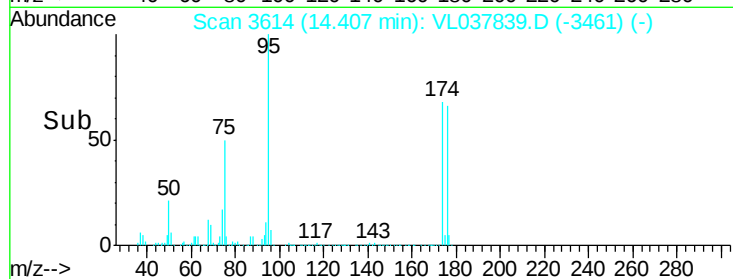
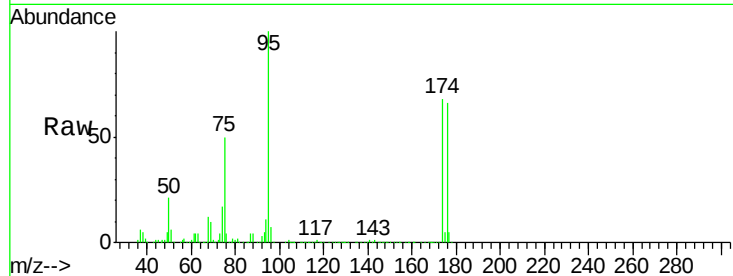
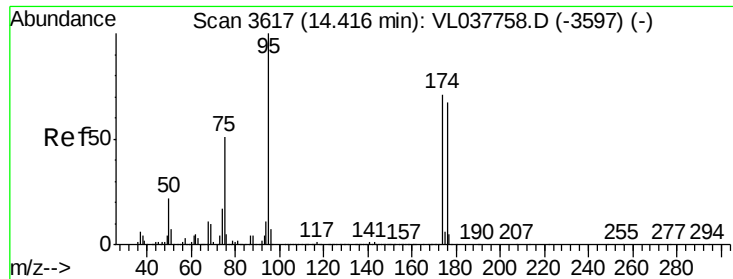
Ion Ratio Lower Upper

117 100

82 64.1 52.2 78.2

119 33.6 26.0 39.0





#68

1-Bromo-4-Fluorobenzene

Concen: 9.660 ppbv

RT: 14.41

Delta R.T

Lab File: ClientSampleId :

Acq: 12 Oct 2021 21.12

Tot Ion:

Ion Ratio

95 100

174 77.

175 5.

Manual Integrations

APPROVED

Reviewed By :Semsettin

Yesilyurt

10/14/2021

Supervised By :Mahesh

Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

10/15/2021

