

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL050522\  
 Data File : VL038980.D  
 Acq On : 5 May 2022 20:01  
 Operator : SY/AP  
 Sample : N2698-05DL 5X  
 Misc : 400mL/MSVOA L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 OA1DL

Manual Integrations  
 APPROVED

Reviewed By :Semsettin Yesilyurt 05/07/2022  
 Supervised By :Mahesh Dadoda 05/09/2022

Quant Time: May 06 08:36:21 2022  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050522A  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:  
 QLast Update : Thu May 05 07:41:27 2022  
 Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 5.66  | 49   | 1210785  | 10.00 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 7.17  | 114  | 3069732  | 10.00 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 12.07 | 117  | 2597333  | 10.00 | ppbv  | 0.00     |

System Monitoring Compounds

|                             |        |       |          |          |      |        |
|-----------------------------|--------|-------|----------|----------|------|--------|
| 68) 1-Bromo-4-Fluorobenzene | 14.40  | 95    | 1990944  | 9.68     | ppbv | 0.00   |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 96.80% |

| Target Compounds       | R.T. | QIon | Response | Conc  | Units  | Ovalue |
|------------------------|------|------|----------|-------|--------|--------|
| 9) Propene             | 3.02 | 41   | 12260m   | 0.187 | ppbv   |        |
| 13) Ethanol            | 3.62 | 45   | 15147m   | 2.956 | ppbv   |        |
| 15) Acetone            | 3.86 | 43   | 47564m   | 0.416 | ppbv   |        |
| 20) Methylene Chloride | 4.35 | 84   | 85864m   | 1.995 | ppbv   |        |
| 26) Hexane             | 5.68 | 57   | 96554    | 0.795 | ppbv # | 40     |

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

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Quant Time: May 06 08:36:21 2022

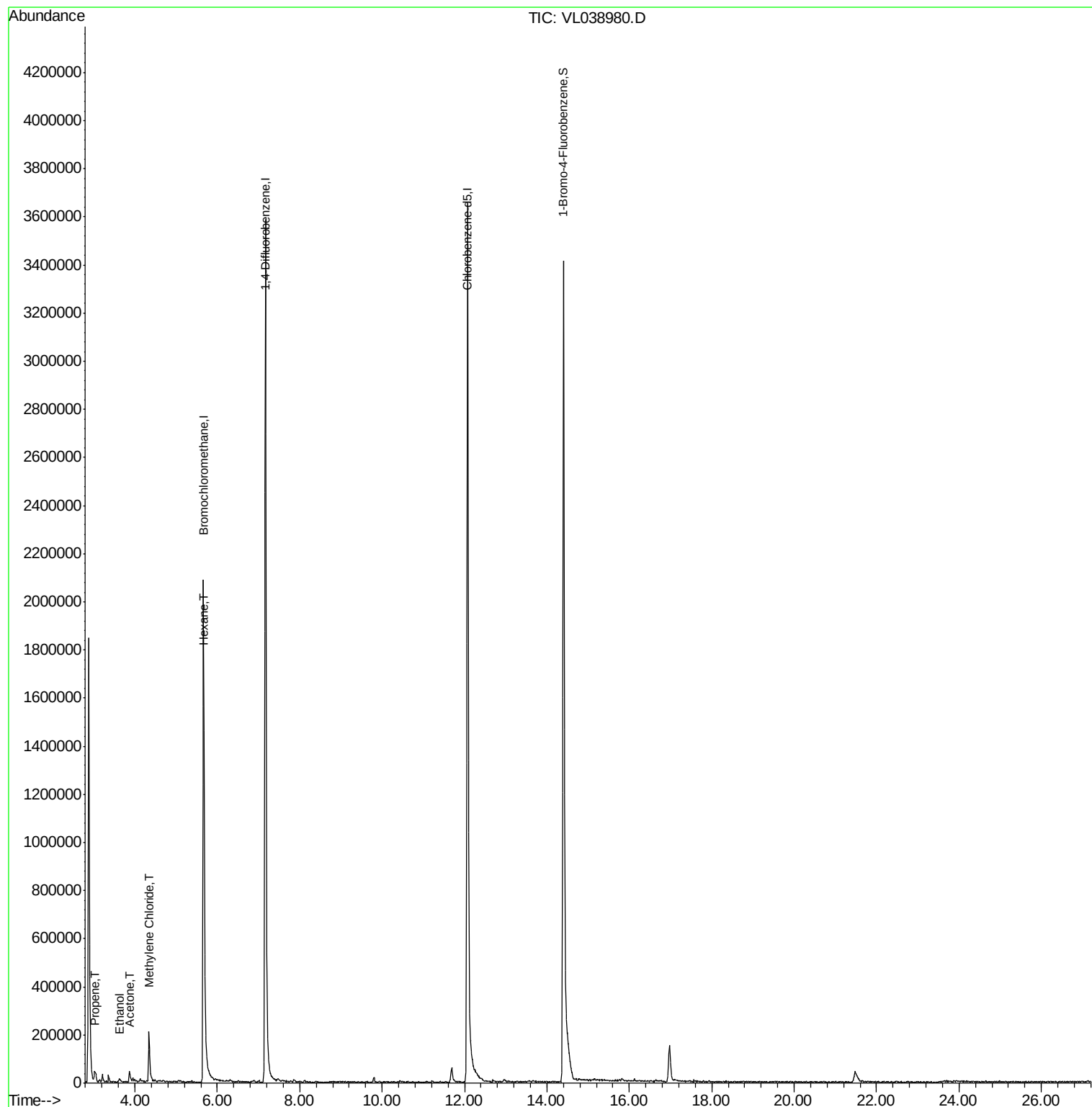
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL050522

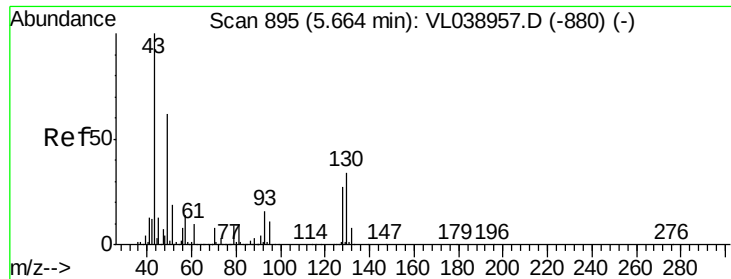
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:

QLast Update : Thu May 05 07:41:27 2022

Response via : Initial Calibration

Reviewed By :Semsettin Yesilyurt 05/07/2022  
Supervised By :Mahesh Dadoda 05/09/2022





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 Instrument: MSVOA\_1

Delta R.T. 0.01

Lab File: ClientSampleId :

Acq: 5 May 2022 20:01

Tot Ion:

Ion Ratio

49 100

128 48.

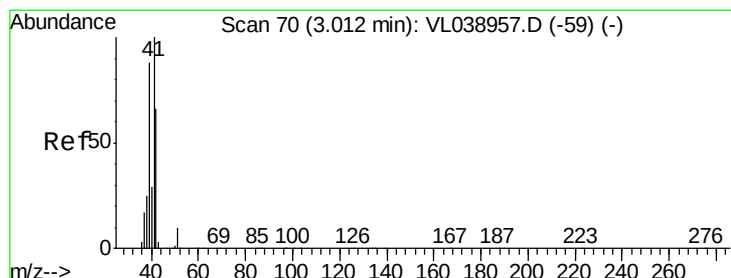
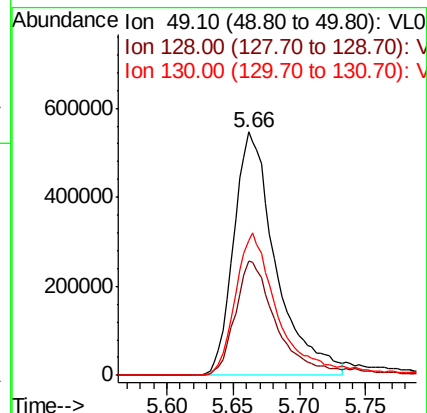
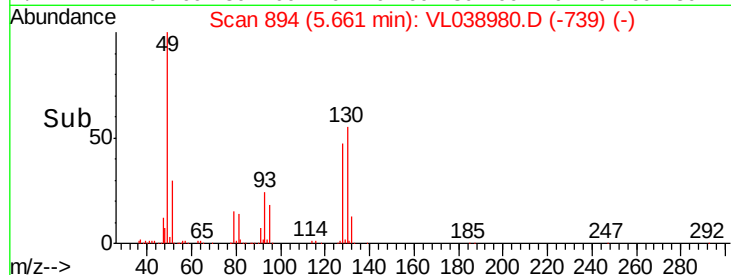
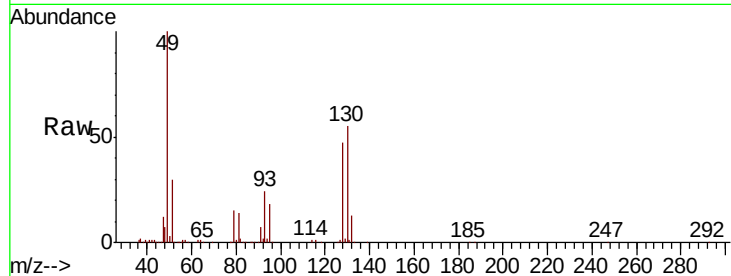
130 61.

Manual Integrations

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Supervised By :Mahesh Dadoda 05/09/2022



#9

Propene

Concen: 0.187 ppbv m

RT: 3.02 min Scan# 72

Delta R.T. 0.01 min

Lab File: VL038980.D

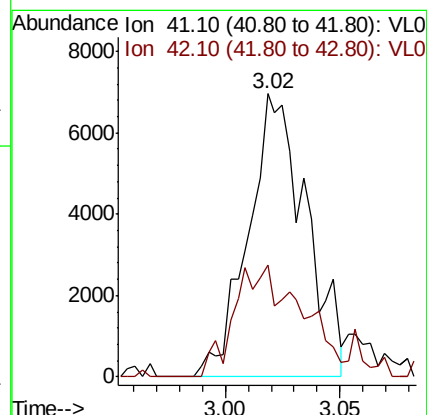
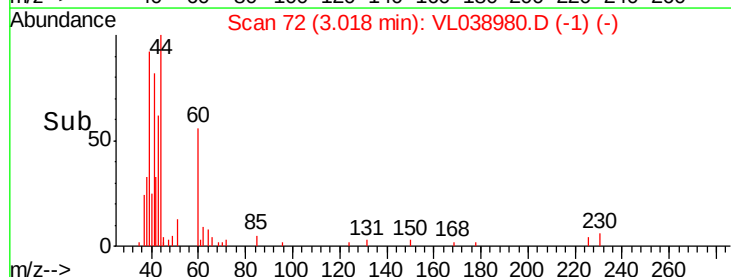
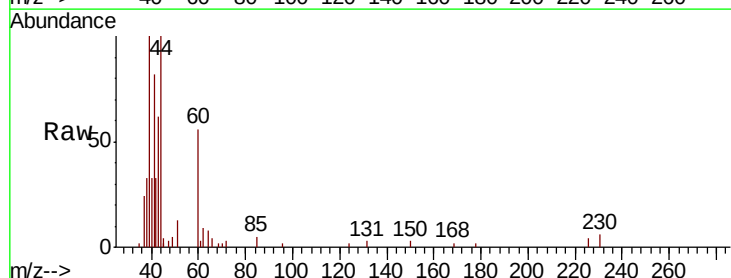
Acq: 5 May 2022 20:01

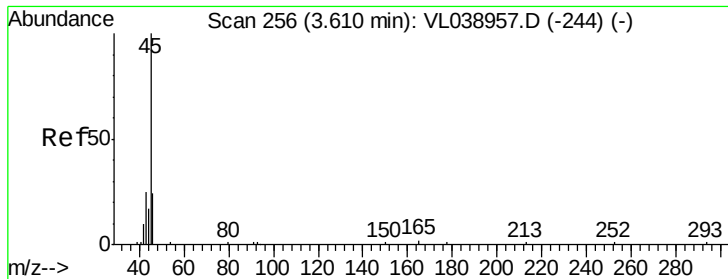
Tgt Ion: 41 Resp: 12260

Ion Ratio Lower Upper

41 100

42 52.0 58.3 87.5#



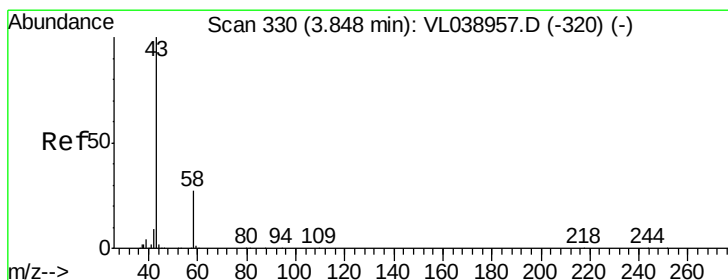
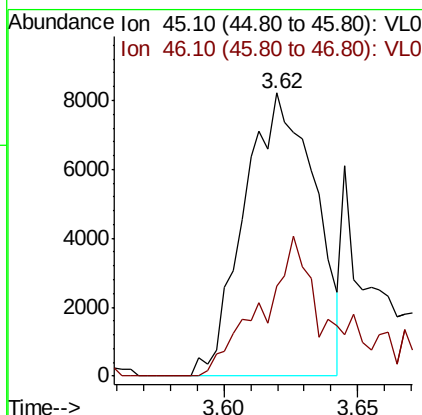
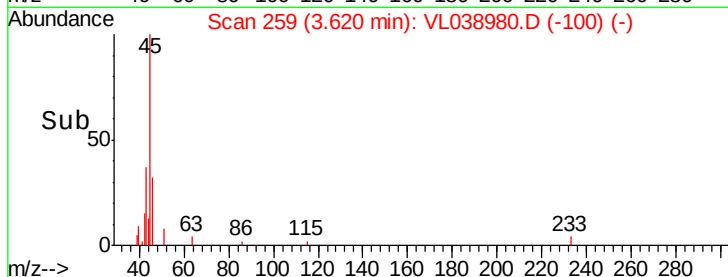
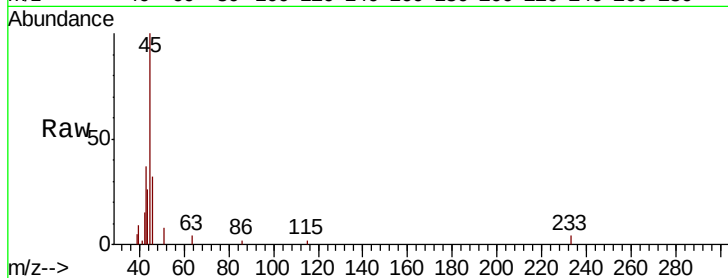


#13  
Ethanol  
Concen: 2.956 ppbv m  
RT: 3.62  
Delta R.T. MSVOA\_L  
Lab File: ClientSampleId :  
Acq: 5 May 2022 20:01

Tot Ion:  
Ion Ratio  
45 100  
46 0.

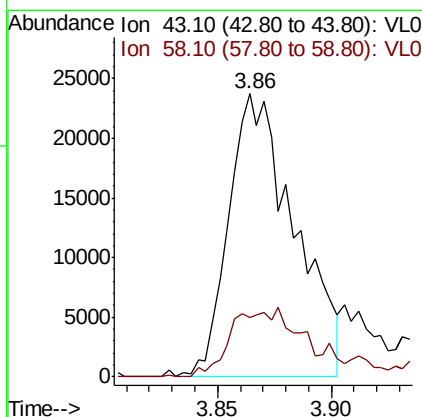
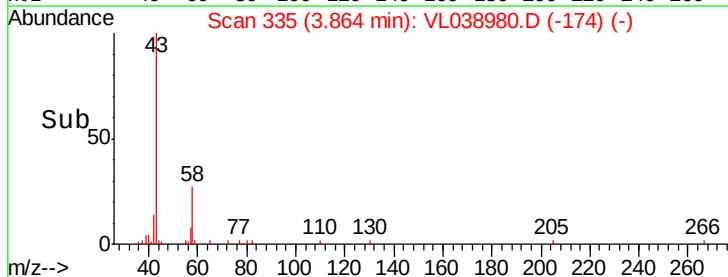
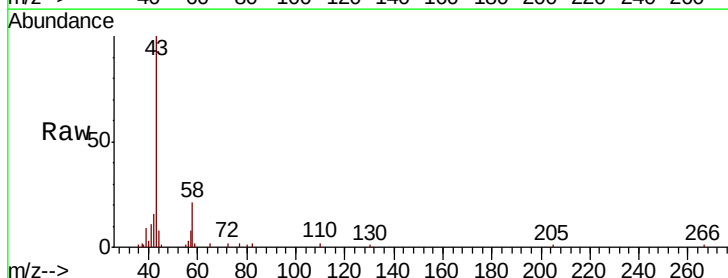
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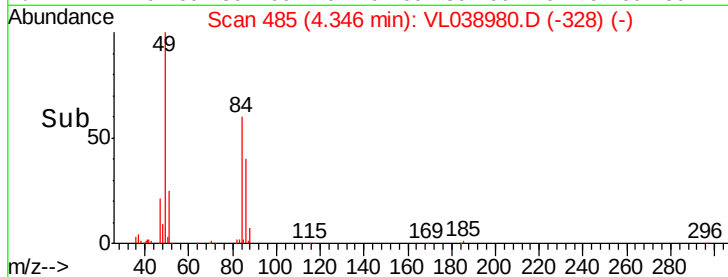
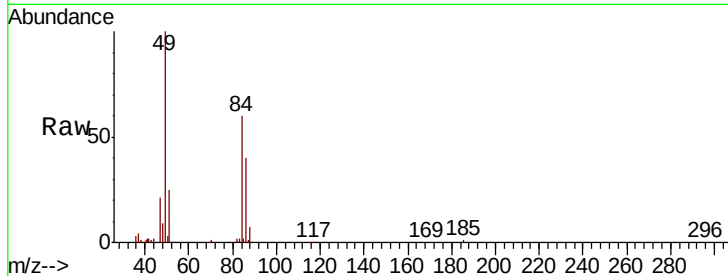
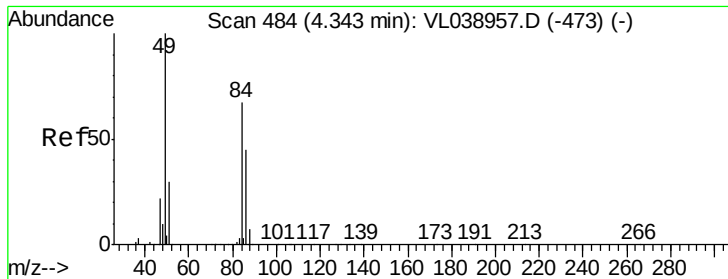
Reviewed By :Semsettin Yesilyurt 05/07/2022  
Supervised By :Mahesh Dadoda 05/09/2022



#15  
Acetone  
Concen: 0.416 ppbv m  
RT: 3.86 min Scan# 335  
Delta R.T. 0.02 min  
Lab File: VL038980.D  
Acq: 5 May 2022 20:01

Tgt Ion: 43 Resp: 47564  
Ion Ratio Lower Upper  
43 100  
58 0.0 21.3 31.9#



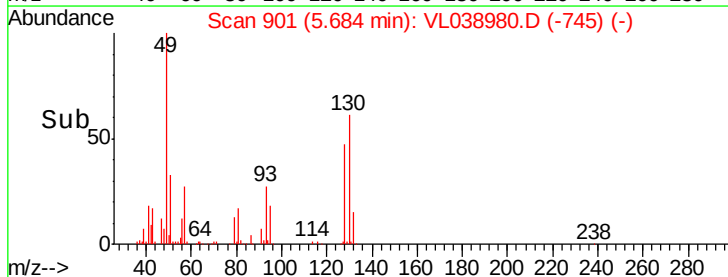
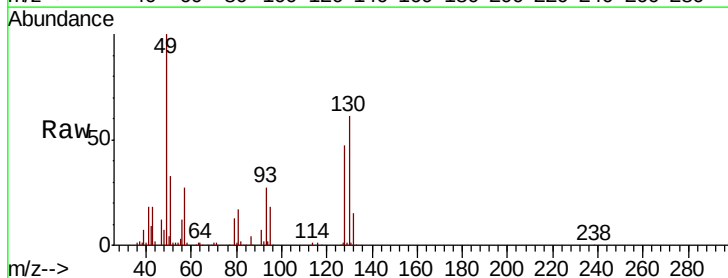
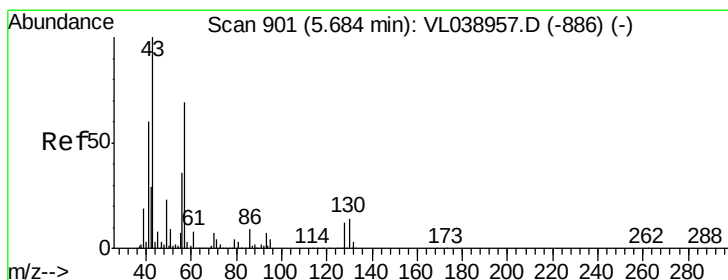
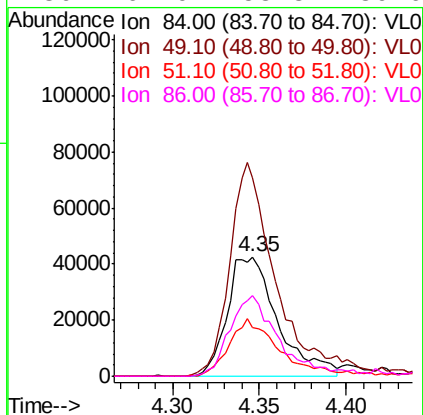


#20  
Methvlene Chloride  
Concen: 1.995 ppbv m  
RT: 4.35  
Instrument: MSVOA\_L  
Delta R.T.:  
Lab File: ClientSampleId :  
Acq: 5 May 2022 20:01

Tot Ion:  
Ion Ratio  
84 100  
49 166.  
51 41.  
86 67.0 53.8 80.6

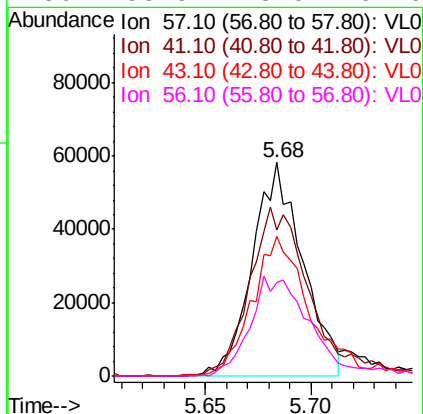
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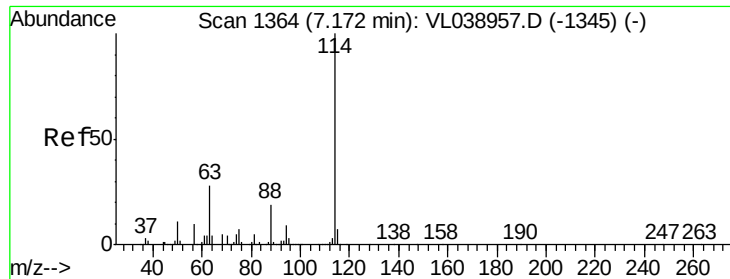
Reviewed By :Semsettin Yesilyurt 05/07/2022  
Supervised By :Mahesh Dadoda 05/09/2022



#26  
Hexane  
Concen: 0.795 ppbv  
RT: 5.68 min Scan# 901  
Delta R.T. 0.00 min  
Lab File: VL038980.D  
Acq: 5 May 2022 20:01

Tgt Ion: 57 Resp: 96554  
Ion Ratio Lower Upper  
57 100  
41 97.1 75.2 112.8  
43 77.8 190.8 286.2#  
56 55.9 43.0 64.6



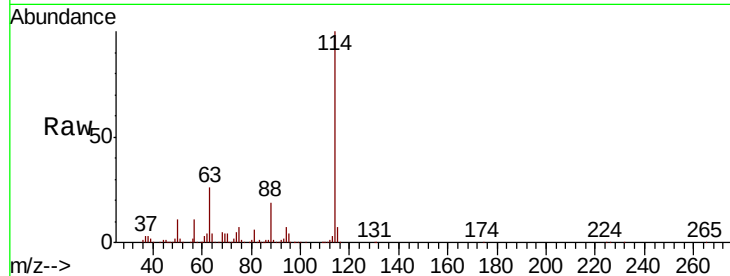


#33  
 1,4-Difluorobenzene  
 Concen: 10.000 ppbv  
 RT: 7.17  
 Delta R.T. MSVOA\_L  
 Lab File: ClientSampleId :  
 Acq: 5 May 2022 20:01

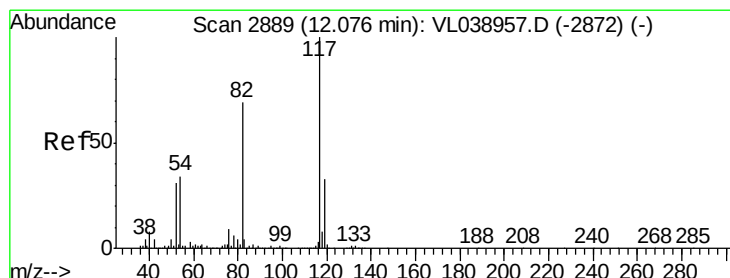
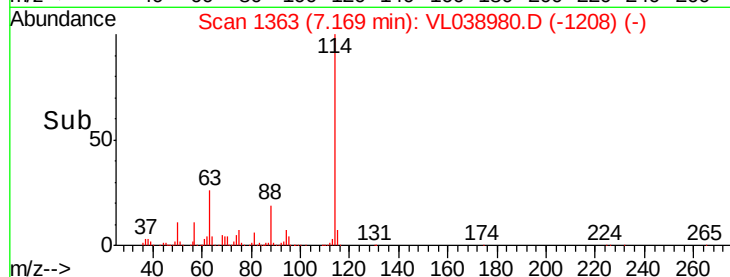
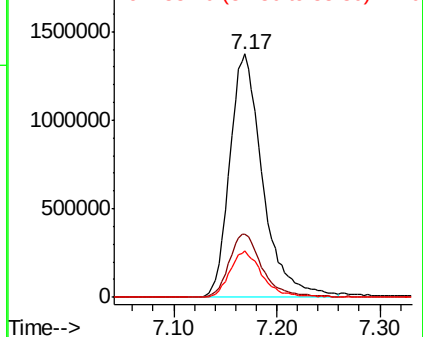
Tot Ion:1  
 Ion Rati  
 114 100  
 63 26.  
 88 19.

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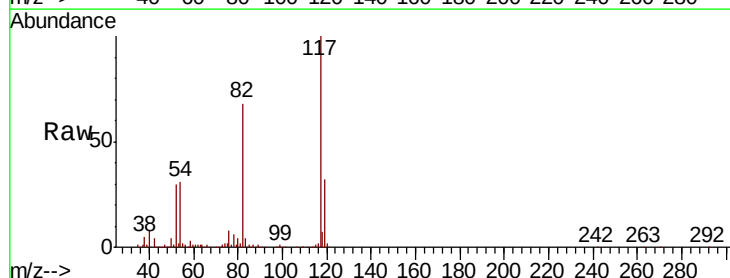


Abundance Ion 114.10 (113.80 to 114.80): V  
 Ion 63.10 (62.80 to 63.80): VL0  
 Ion 88.10 (87.80 to 88.80): VL0

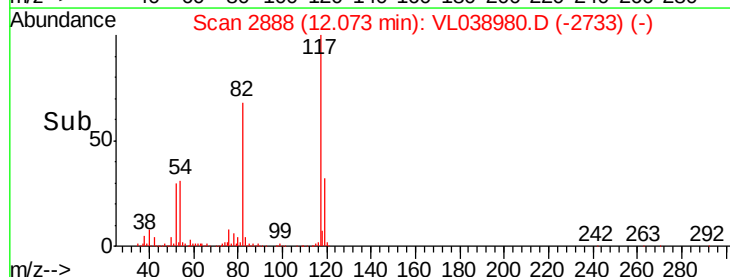
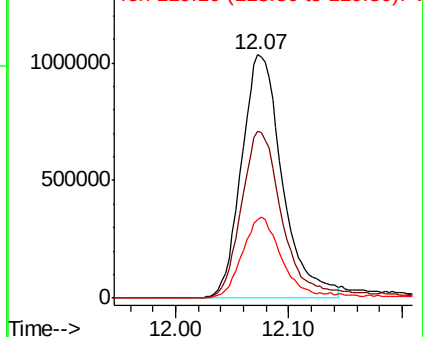


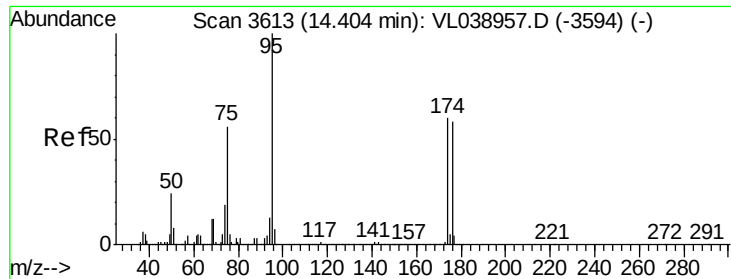
#55  
 Chlorobenzene-d5  
 Concen: 10.000 ppbv  
 RT: 12.07 min Scan# 2888  
 Delta R.T. -0.00 min  
 Lab File: VL038980.D  
 Acq: 5 May 2022 20:01

Tgt Ion:117 Resp: 2597333  
 Ion Ratio Lower Upper  
 117 100  
 82 72.8 57.0 85.6  
 119 33.9 27.2 40.8



Abundance Ion 117.10 (116.80 to 117.80): V  
 Ion 82.10 (81.80 to 82.80): VL0  
 Ion 119.10 (118.80 to 119.80): V





#68  
 1-Bromo-4-Fluorobenzene  
 Concen: 9.679 ppbv  
 RT: 14.40  
 Delta R.T  
 Lab File: ClientSampleId :  
 Acq: 5 May 2022 20:01

Tot Ion:  
 Ion Rati  
 95 100  
 174 67.  
 175 5.

Manual Integrations  
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