

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL112321\  
 Data File : VL038111.D  
 Acq On : 23 Nov 2021 22:34  
 Operator : SY/AP  
 Sample : M4805-12DL 10X  
 Misc : 400mL/MSVOA L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA L  
 ClientSampleId :  
 IA-CURVY-BRIDEDL

Manual Integrations  
 APPROVED

Reviewed By :Semsettin Yesilyurt 11/29/2021  
 Supervised By :Mahesh Dadoda 11/29/2021

Quant Time: Nov 28 12:00:12 2021  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111821A  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:  
 QLast Update : Thu Nov 18 13:16:09 2021  
 Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 5.65  | 49   | 888833   | 10.00 | ppbv  | -0.01    |
| 33) 1,4-Difluorobenzene | 7.16  | 114  | 2525752  | 10.00 | ppbv  | -0.01    |
| 55) Chlorobenzene-d5    | 12.07 | 117  | 2135315  | 10.00 | ppbv  | -0.01    |

System Monitoring Compounds

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| 68) 1-Bromo-4-Fluorobenzene | 14.39  | 95    | 1743147  | 11.32    | ppbv | -0.02   |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 113.20% |

| Target Compounds      | R.T. | QIon | Response | Conc    | Units  | Ovalue |
|-----------------------|------|------|----------|---------|--------|--------|
| 9) Propene            | 3.02 | 41   | 57381m   | 0.835   | ppbv   |        |
| 10) Heptane           | 8.11 | 43   | 17411m   | 0.102   | ppbv   |        |
| 13) Ethanol           | 3.60 | 45   | 4839929  | 728.555 | ppbv   | 90     |
| 15) Acetone           | 3.84 | 43   | 1375960  | 17.855  | ppbv   | 97     |
| 19) Isopropyl Alcohol | 3.97 | 45   | 1888317  | 33.913  | ppbv   | 100    |
| 25) Ethyl Acetate     | 5.66 | 43   | 164933   | 0.644   | ppbv # | 93     |
| 53) Toluene           | 9.79 | 91   | 66624    | 0.230   | ppbv   | 100    |

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

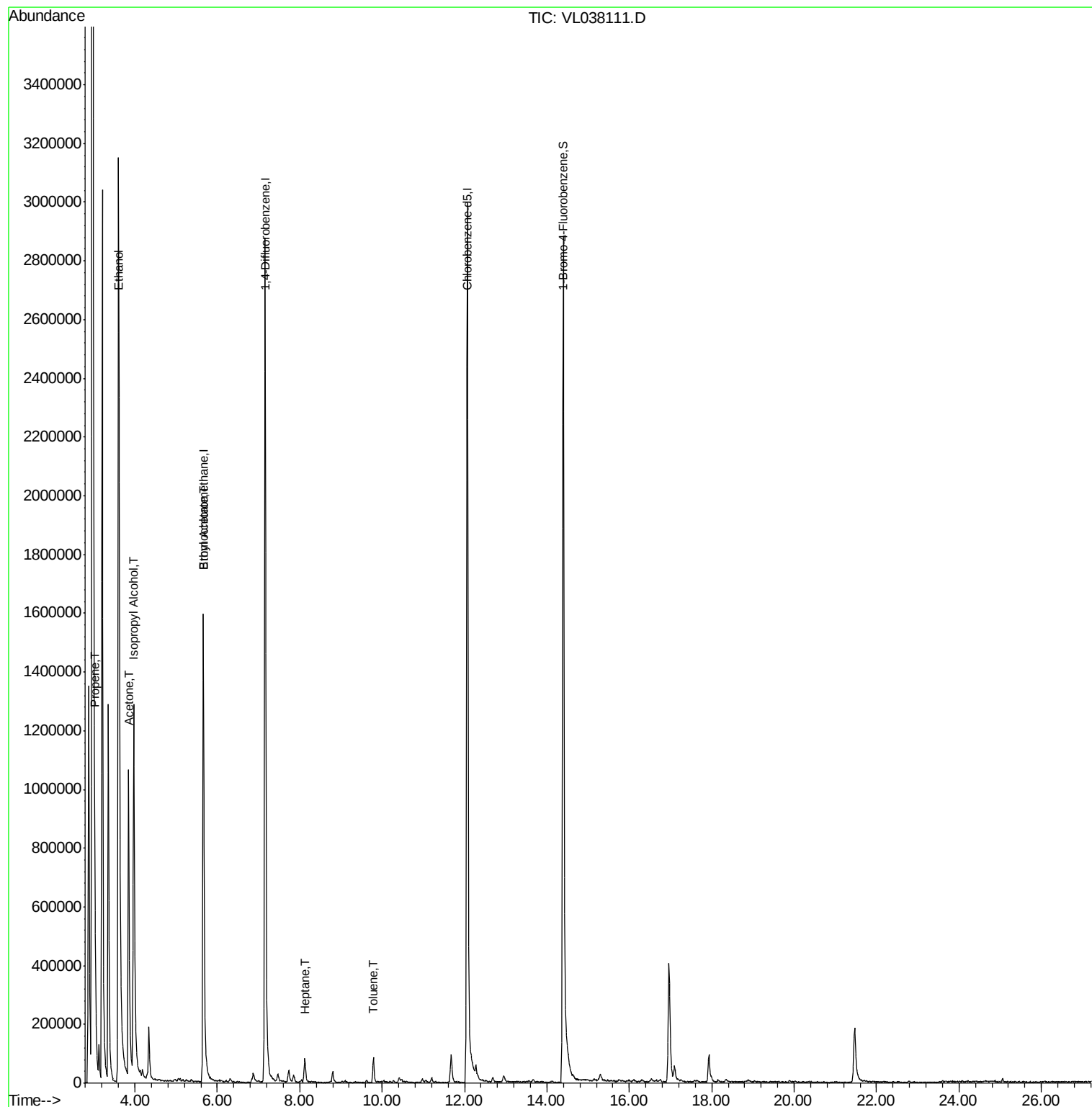
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL112321\  
Data File : VL038111.D  
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ALS Vial : 1 Sample Multiplier: 1

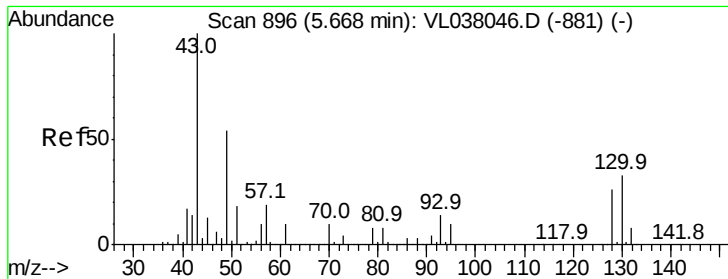
Instrument :  
MSVOA\_L  
ClientSampleId :  
IA-CURVY-BRIDEDL

Quant Time: Nov 28 12:00:12 2021  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL111821  
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:  
QLast Update : Thu Nov 18 13:16:09 2021  
Response via : Initial Calibration

Manual Integrations  
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Supervised By :Mahesh Dadoda 11/29/2021





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 Instrument: MSVOA\_L

Delta R.T. ClientSampleId:

Lab File: IA-CURVY-BRIDEDL

Acq: 23 Nov 2021 22:34

Tot Ion:

Ion Ratio

49 100

128 47.

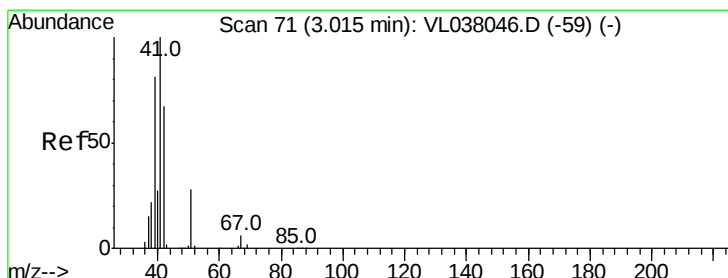
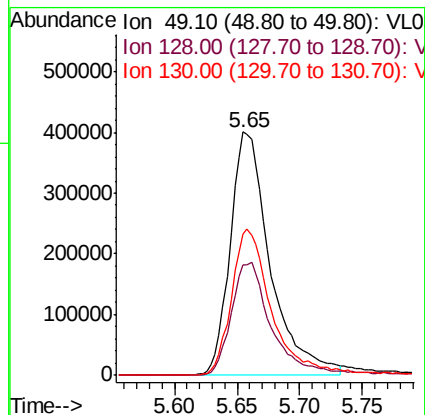
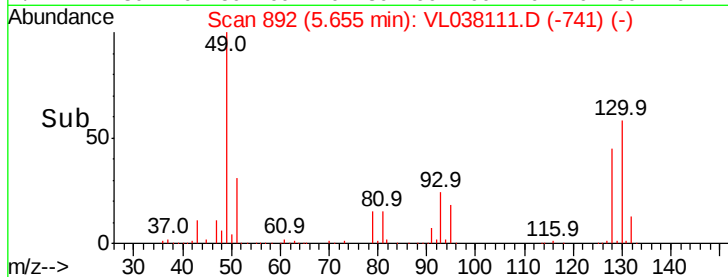
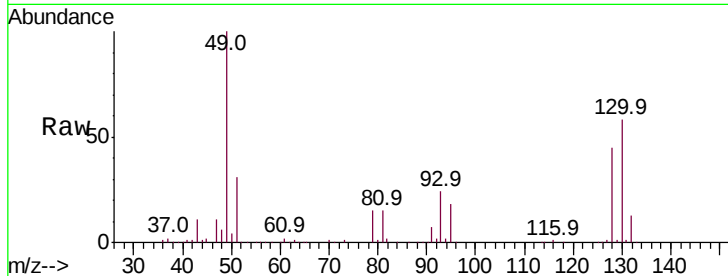
130 61.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/29/2021

Supervised By :Mahesh Dadoda 11/29/2021



#9

Propene

Concen: 0.835 ppbv m

RT: 3.02 min Scan# 74

Delta R.T. 0.01 min

Lab File: VL038111.D

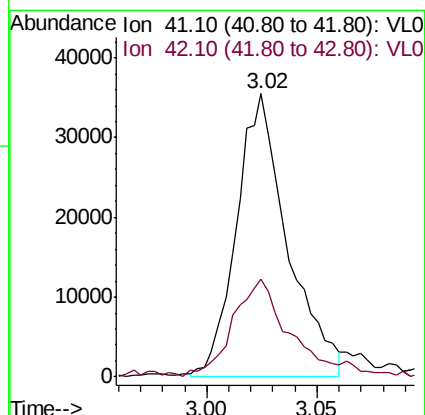
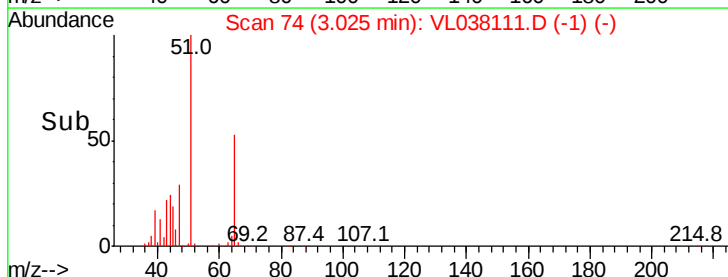
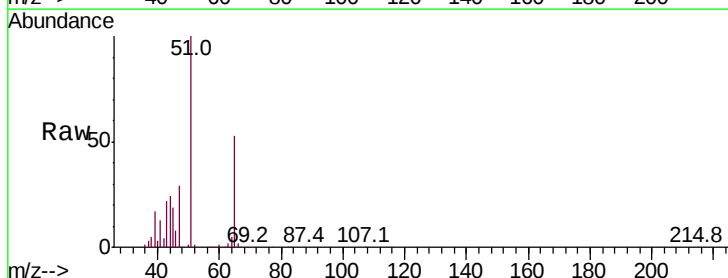
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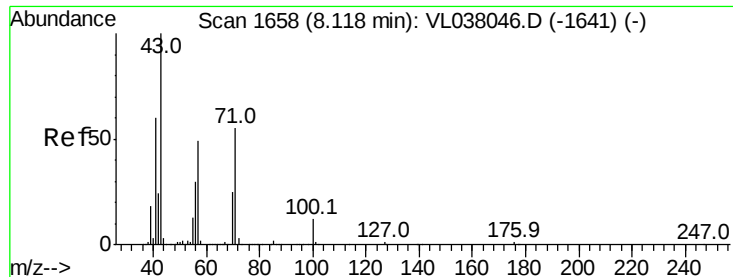
Tgt Ion: 41 Resp: 57381

Ion Ratio Lower Upper

41 100

42 1331.3 53.8 80.8#



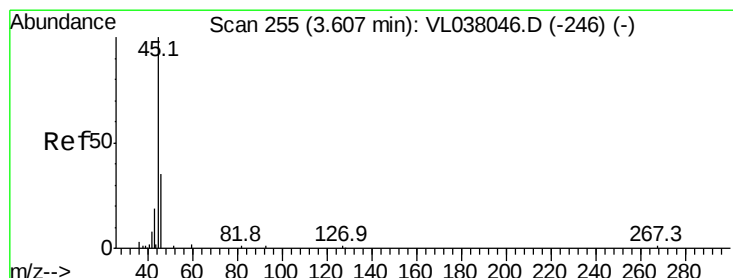
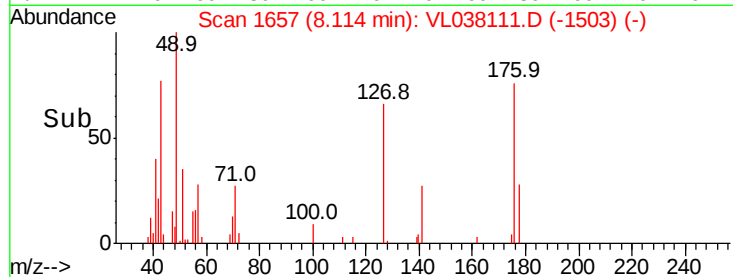
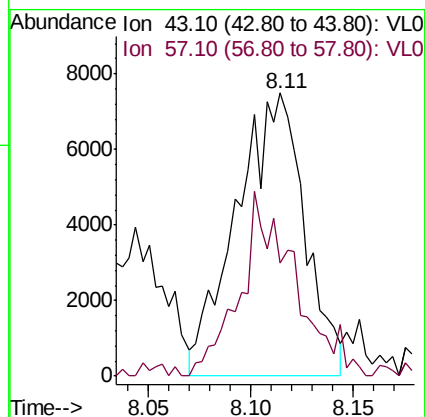
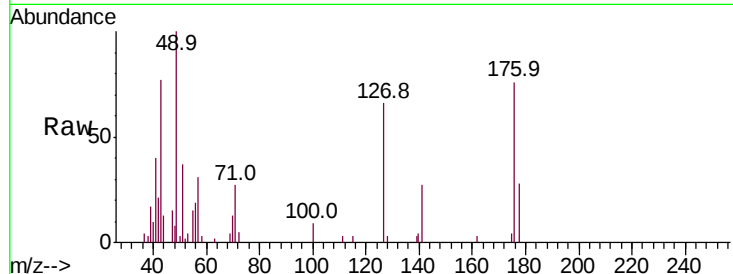


#10  
Heptane  
Concen: 0.102 ppbv m  
RT: 8.11  
Instrument: MSVOA\_1  
Delta R.T.:  
Lab File: ClientSampleId:  
Acq: 23 Nov 2021 22:34

Tot Ion:  
Ion Ratio  
43 100  
57 53.

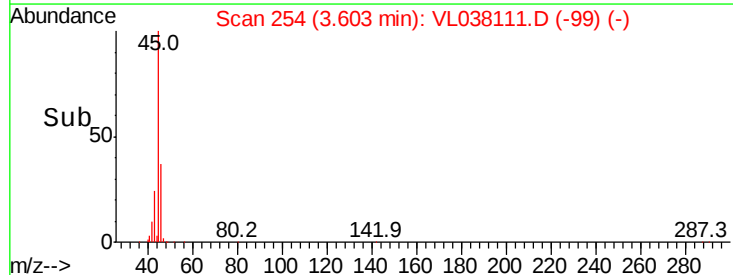
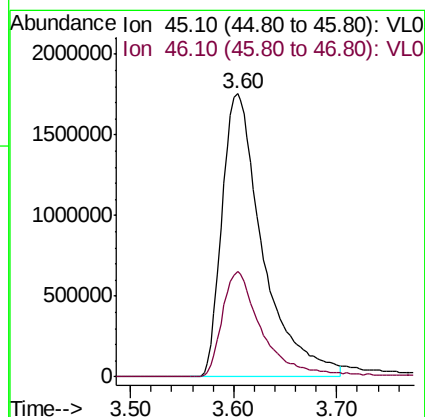
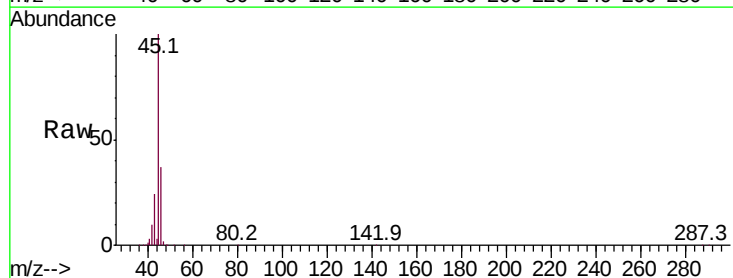
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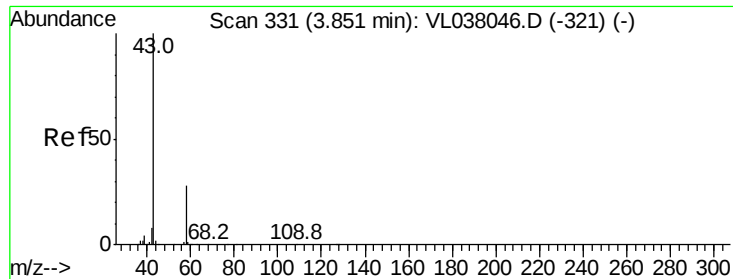
Reviewed By :Semsettin Yesilyurt 11/29/2021  
Supervised By :Mahesh Dadoda 11/29/2021



#13  
Ethanol  
Concen: 728.555 ppbv  
RT: 3.60 min Scan# 254  
Delta R.T. -0.00 min  
Lab File: VL038111.D  
Acq: 23 Nov 2021 22:34

Tgt Ion: 45 Resp: 4839929  
Ion Ratio Lower Upper  
45 100  
46 37.3 17.6 70.2



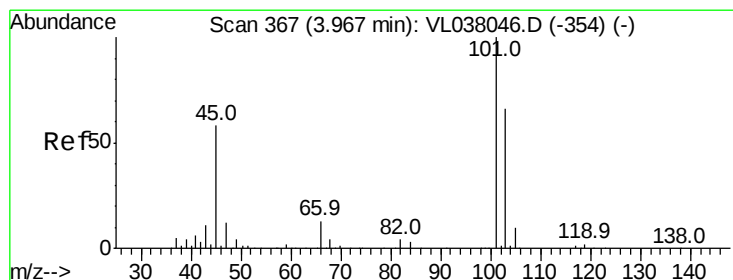
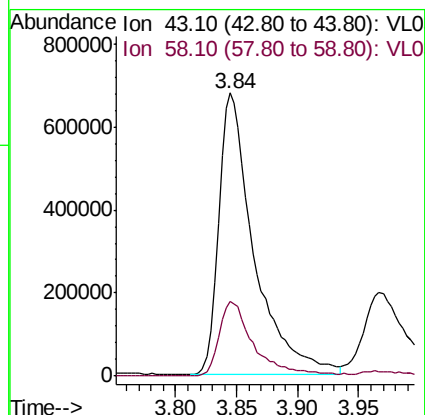
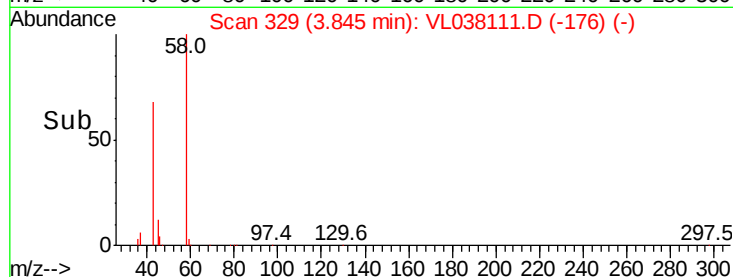
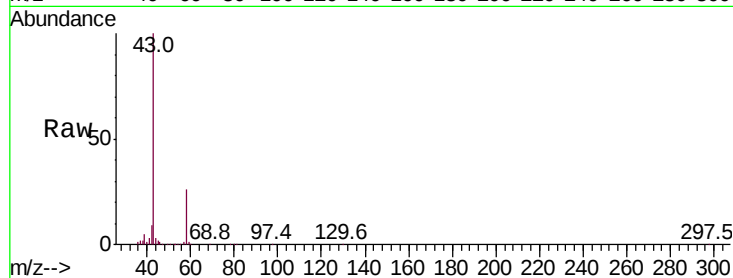


#15  
Acetone  
Concen: 17.855 ppbv  
RT: 3.84  
Delta R.T. MSVOA\_L  
Lab File: ClientSampleId :  
Acq: 23 Nov 2021 22:34

Tot Ion:  
Ion Ratio  
43 100  
58 26.

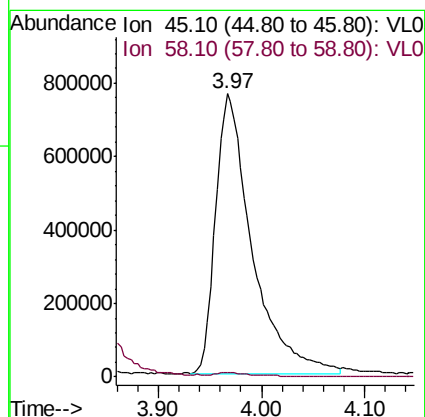
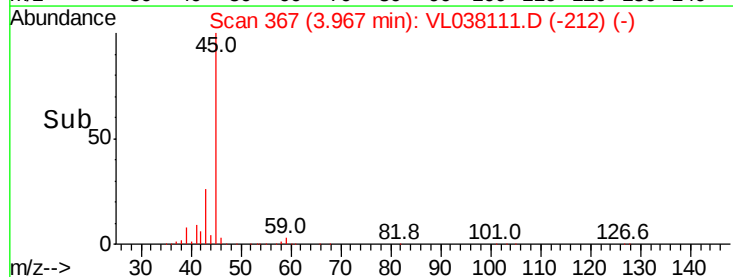
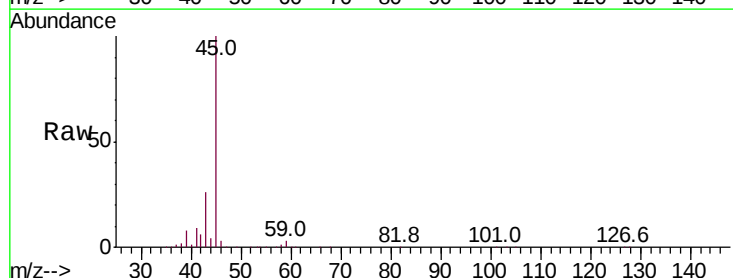
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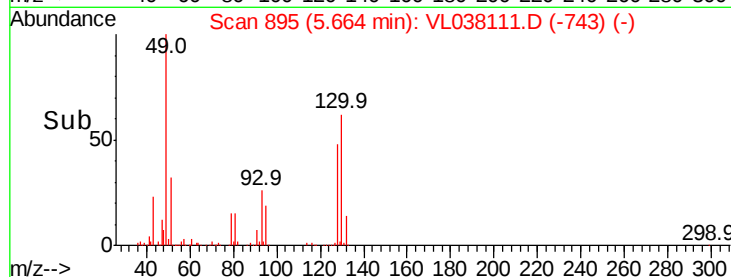
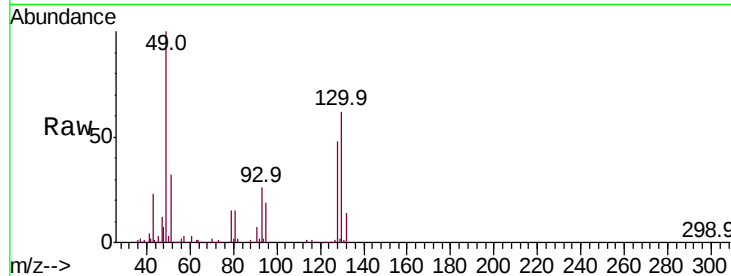
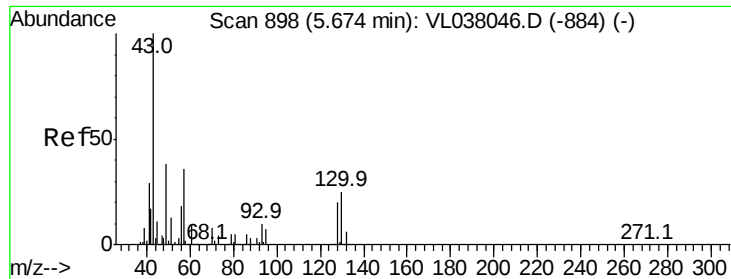
Reviewed By :Semsettin Yesilyurt 11/29/2021  
Supervised By :Mahesh Dadoda 11/29/2021



#19  
Isopropyl Alcohol  
Concen: 33.913 ppbv  
RT: 3.97 min Scan# 367  
Delta R.T. -0.00 min  
Lab File: VL038111.D  
Acq: 23 Nov 2021 22:34

Tgt Ion: 45 Resp: 1888317  
Ion Ratio Lower Upper  
45 100  
58 1.7 1.4 2.0



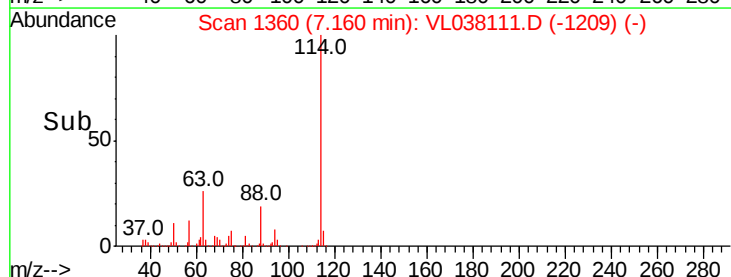
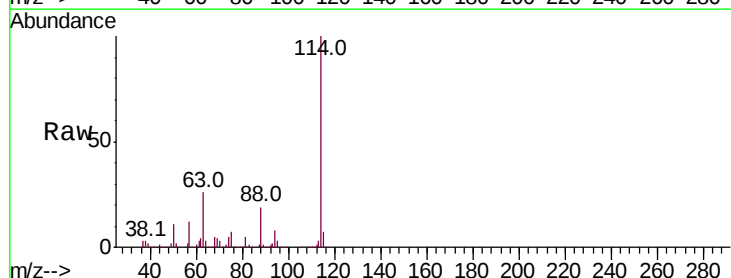
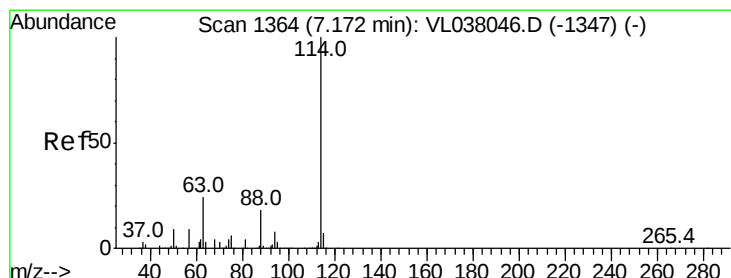
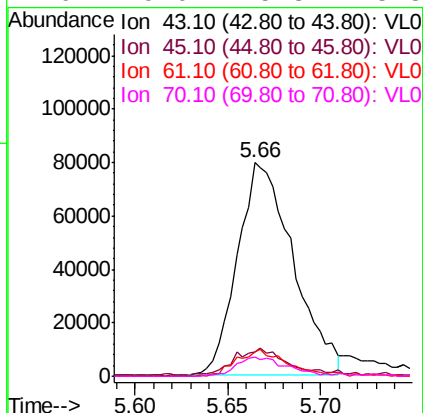


#25  
Ethyl Acetate  
Concen: 0.644 ppbv  
RT: 5.66  
Instrument: MSVOA\_1  
Delta R.T.:  
Lab File: ClientSampleId :  
Acq: 23 Nov 2021 22:34

Tot Ion:  
Ion Ratio  
43 100  
45 13.  
61 11.  
70 9.0 5.8 8.8#

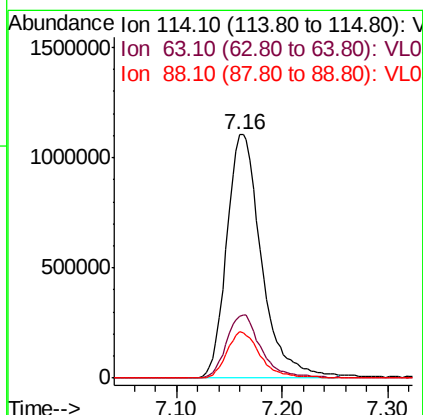
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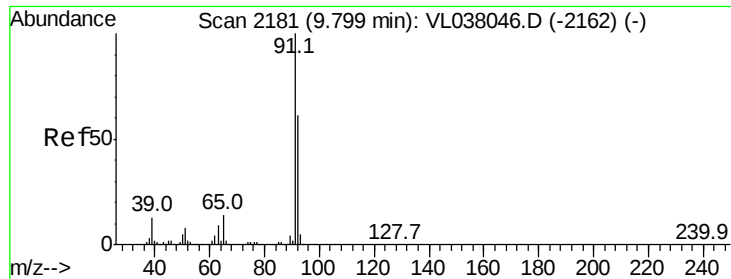
Reviewed By :Semsettin Yesilyurt 11/29/2021  
Supervised By :Mahesh Dadoda 11/29/2021



#33  
1,4-Difluorobenzene  
Concen: 10.000 ppbv  
RT: 7.16 min Scan# 1360  
Delta R.T. -0.01 min  
Lab File: VL038111.D  
Acq: 23 Nov 2021 22:34

Tgt Ion:114 Resp: 2525752  
Ion Ratio Lower Upper  
114 100  
63 26.1 19.7 29.5  
88 18.7 14.4 21.6





#53

Toluene

Concen: 0.230 ppbv

RT: 9.79

Delta R.T. MSVOA\_L

Lab File: ClientSampleId:

Acq: 23 Nov 2021 22:34

Tot Ion:

Ion Ratio

91 100

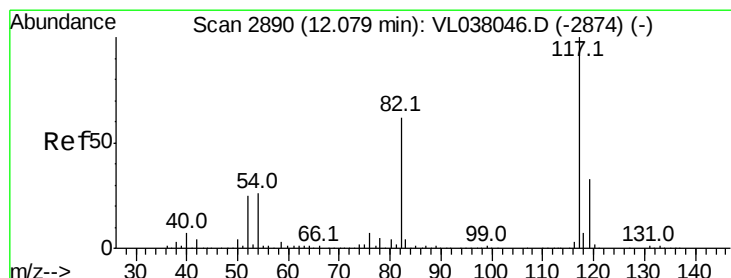
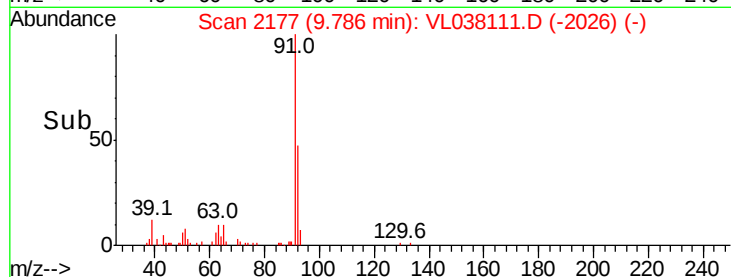
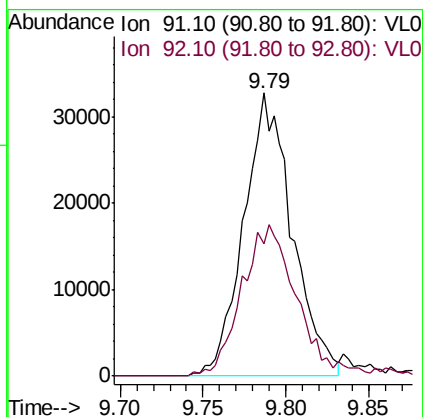
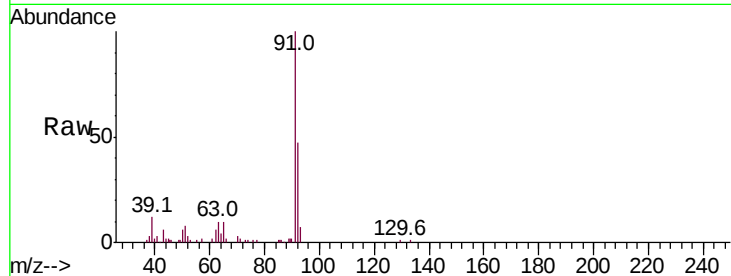
92 62.

Manual Integrations

APPROVED

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#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.07 min Scan# 2886

Delta R.T. -0.01 min

Lab File: VL038111.D

Acq: 23 Nov 2021 22:34

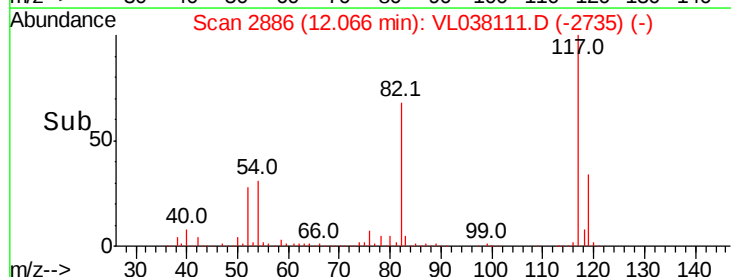
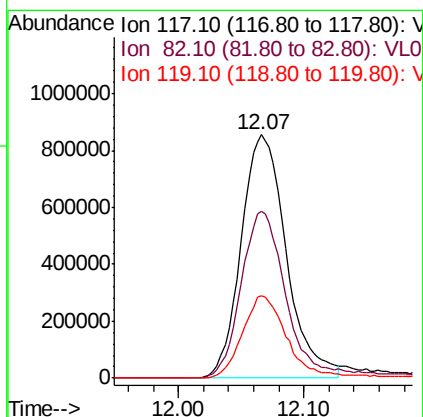
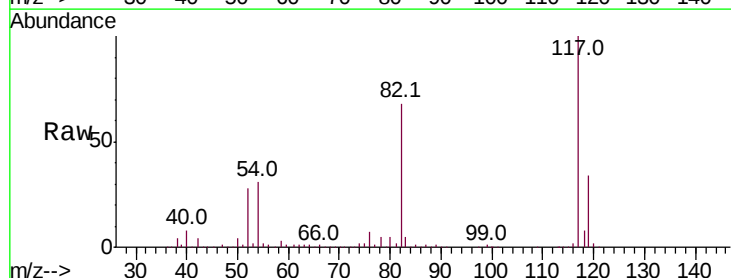
Tgt Ion:117 Resp: 2135315

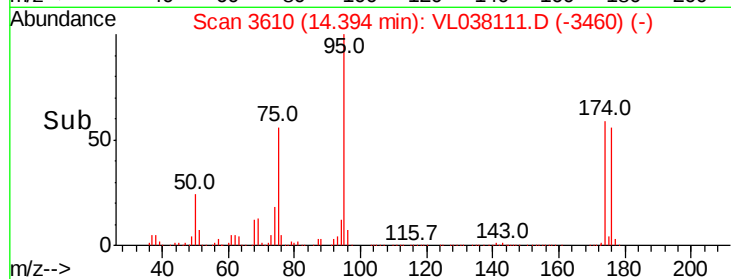
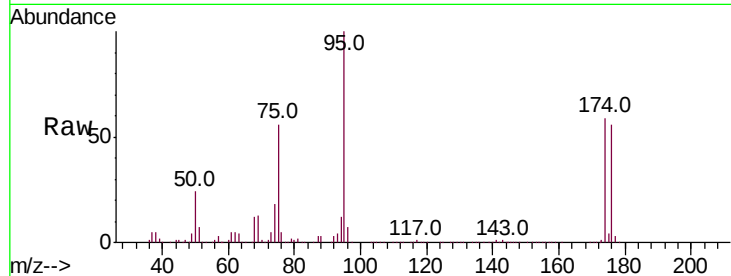
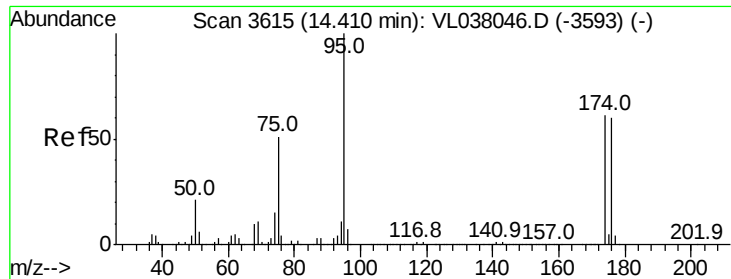
Ion Ratio Lower Upper

117 100

82 72.9 52.8 79.2

119 35.1 26.8 40.2





#68

1-Bromo-4-Fluorobenzene

Concen: 11.317 ppbv

RT: 14.39

Delta R.T: MSVOA\_L

Lab File: ClientSampleId:

Acq: 23 Nov 2021 22:34

Tot Ion:

Ion Ratio

95 100

174 60.

175 4.

Manual Integrations

APPROVED

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Supervised By :Mahesh Dadoda 11/29/2021

