

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_L\DATA\VL030822\  
 Data File : VL038560.D  
 Acq On : 8 Mar 2022 15:34  
 Operator : SY/AP  
 Sample : VIBLK  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VIBLK

Manual Integrations  
 APPROVED

Reviewed By :Semsettin Yesilyurt 03/10/2022  
 Supervised By :Mahesh Dadoda 03/14/2022

Quant Time: Mar 09 07:15:19 2022  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_L\METHODS\VL030822A  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:  
 QLast Update : Tue Mar 08 21:18:44 2022  
 Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 5.66  | 49   | 1033837  | 10.00 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 7.16  | 114  | 2650481  | 10.00 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 12.07 | 117  | 2327382  | 10.00 | ppbv  | 0.00     |

System Monitoring Compounds

|                             |        |       |          |          |      |        |
|-----------------------------|--------|-------|----------|----------|------|--------|
| 68) 1-Bromo-4-Fluorobenzene | 14.40  | 95    | 1732691  | 9.79     | ppbv | 0.00   |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 97.90% |

| Target Compounds              | R.T.  | QIon | Response | Conc | Units | Qvalue |
|-------------------------------|-------|------|----------|------|-------|--------|
| 5) Vinyl Chloride             | 3.25  | 62   | 4367m    | 0.06 | ppbv  |        |
| 9) Propene                    | 3.01  | 41   | 8436     | 0.13 | ppbv  | 87     |
| 32) 1,1,1-Trichloroethane     | 6.50  | 97   | 10112m   | 0.06 | ppbv  |        |
| 35) Carbon Tetrachloride      | 7.00  | 117  | 9799m    | 0.05 | ppbv  |        |
| 38) Trichloroethene           | 7.83  | 130  | 6259m    | 0.07 | ppbv  |        |
| 52) Tetrachloroethene         | 11.20 | 164  | 5618m    | 0.06 | ppbv  |        |
| 63) 1,1,2,2-Tetrachloroethane | 13.66 | 83   | 13348m   | 0.06 | ppbv  |        |

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA\_L\DATA\VL030822\  
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Quant Time: Mar 09 07:15:19 2022

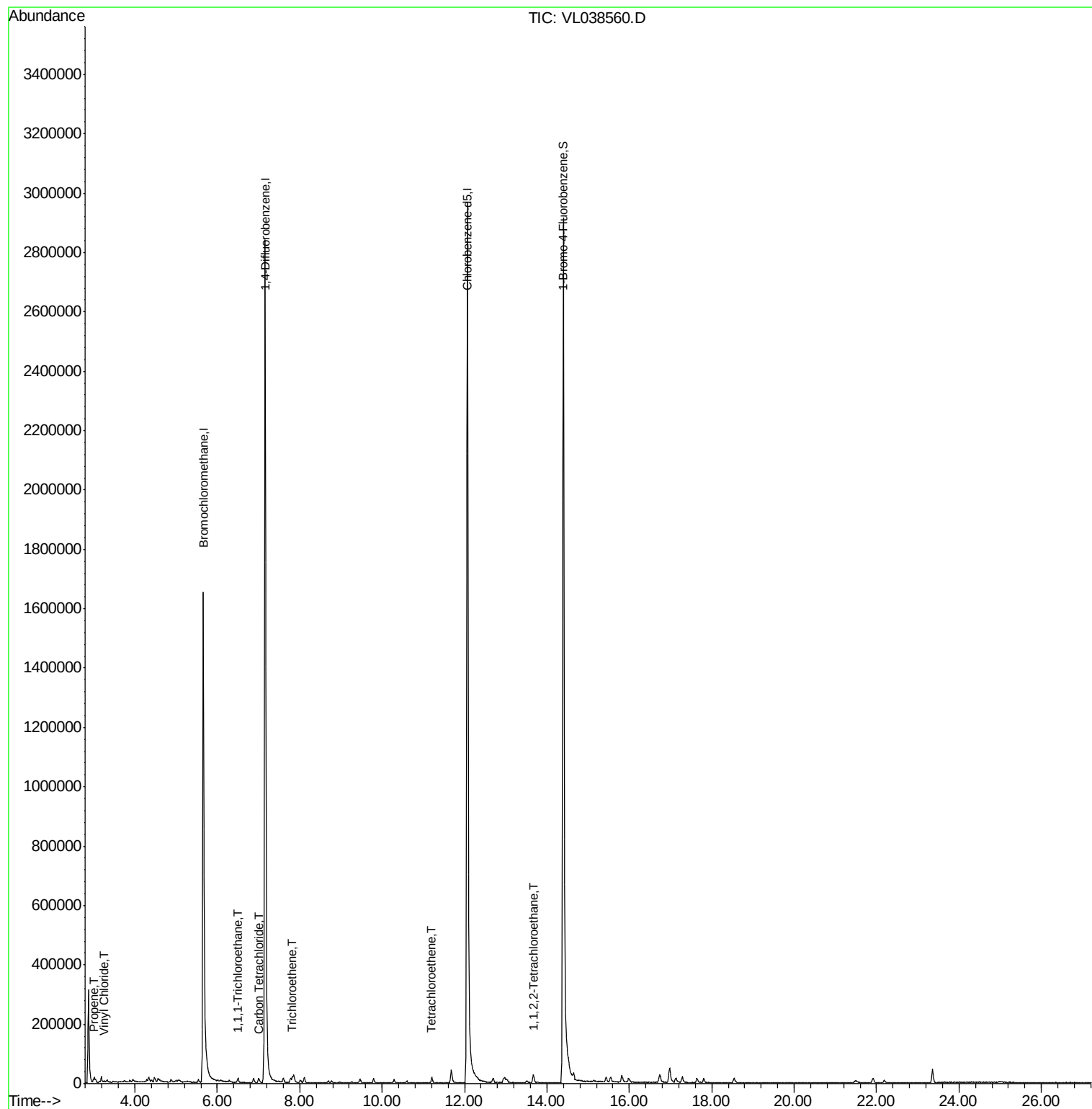
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_L\METHODS\VL030822

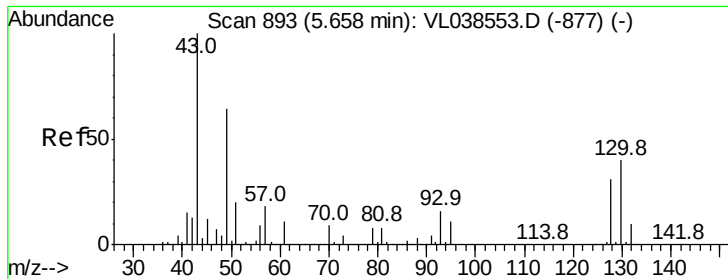
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:

QLast Update : Tue Mar 08 21:18:44 2022

Response via : Initial Calibration

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Supervised By :Mahesh Dadoda 03/14/2022





#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.66 Instrument: MSVOA\_1

Delta R.T. 0.00

Lab File: ClientSampleId: VIBLK

Acq: 8 Mar 2022 15:34

Tgt Ion:

Ion Ratio

49 100

128 53.

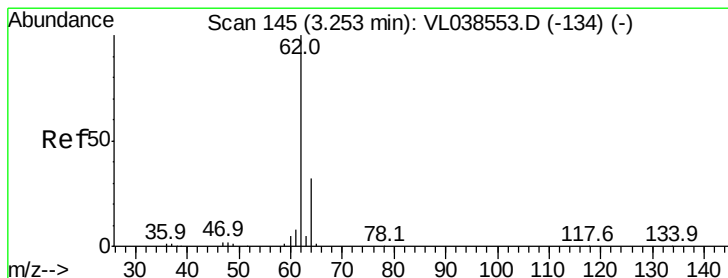
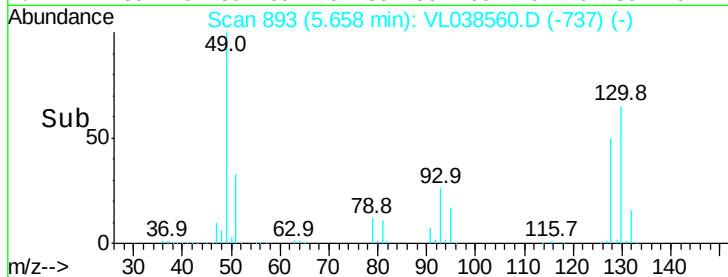
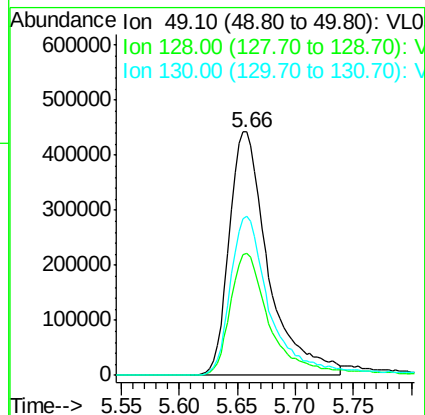
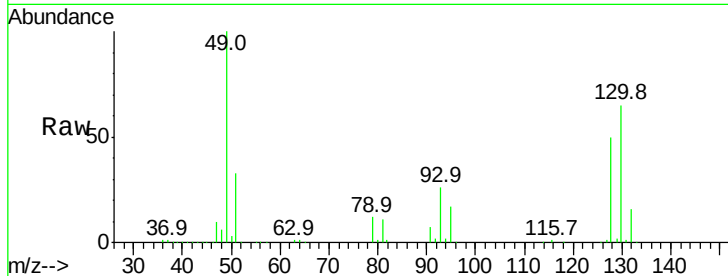
130 68.

Manual Integrations

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#5

Vinyl Chloride

Concen: 0.06 ppbv m

RT: 3.25 min Scan# 145

Delta R.T. 0.00 min

Lab File: VL038560.D

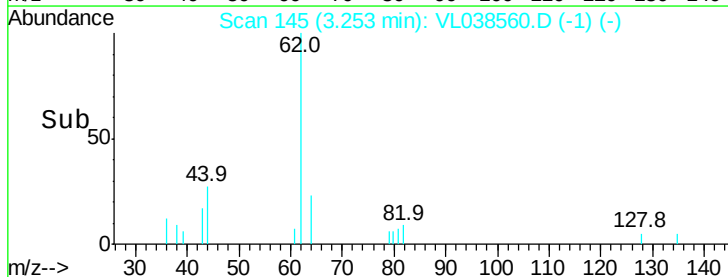
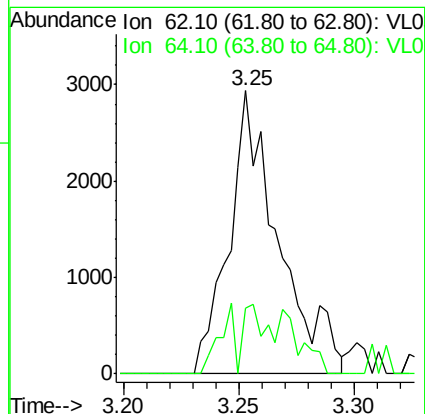
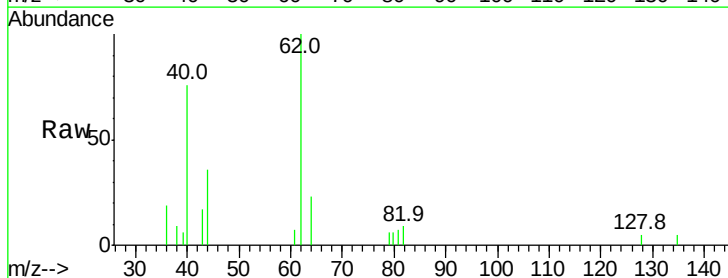
Acq: 8 Mar 2022 15:34

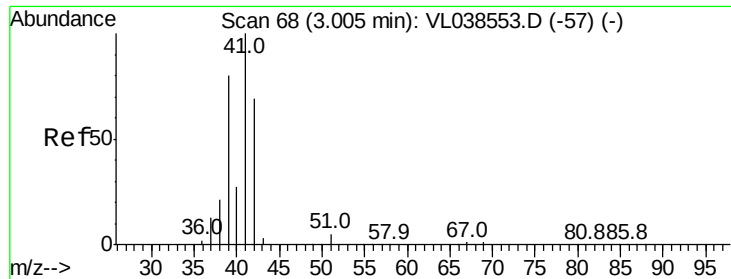
Tgt Ion: 62 Resp: 4367

Ion Ratio Lower Upper

62 100

64 23.5 25.8 38.6#





#9

Propene

Concen: 0.13 ppbv

RT: 3.01 Instrument:

Delta R.T. MSVOA\_1

Lab File: ClientSampleId:

Acq: 8 Mar 2022 15:34

Tgt Ion:

Ion Ratio

41 100

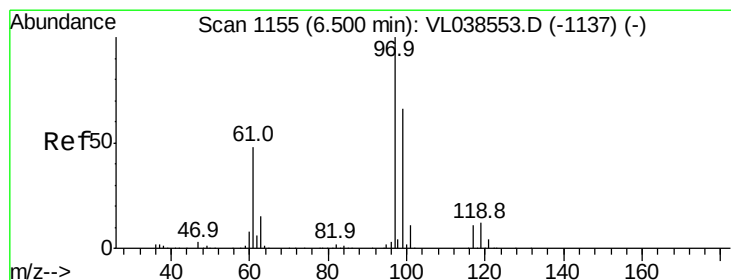
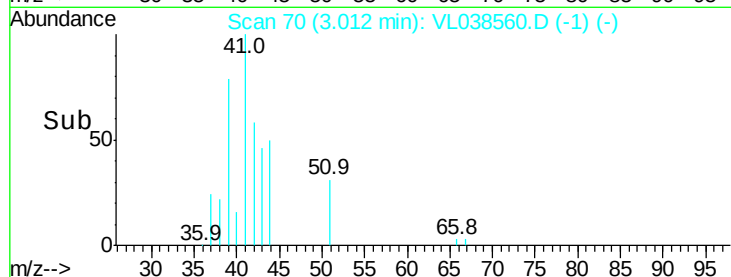
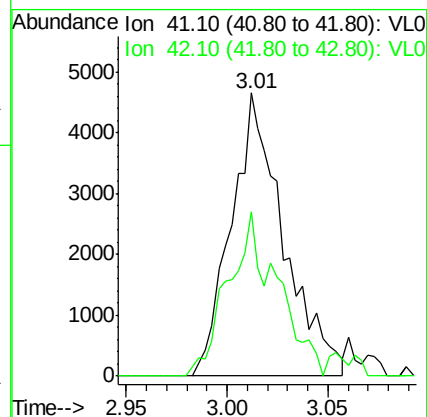
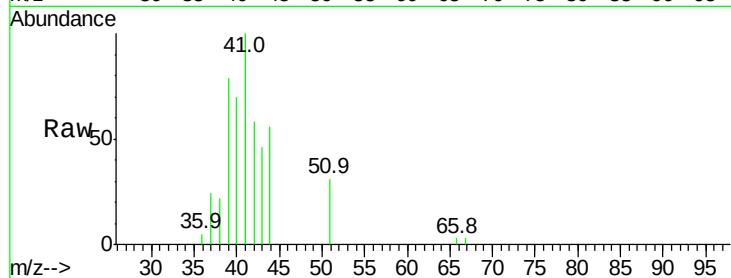
42 58.

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 0.06 ppbv m

RT: 6.50 min Scan# 1155

Delta R.T. 0.00 min

Lab File: VL038560.D

Acq: 8 Mar 2022 15:34

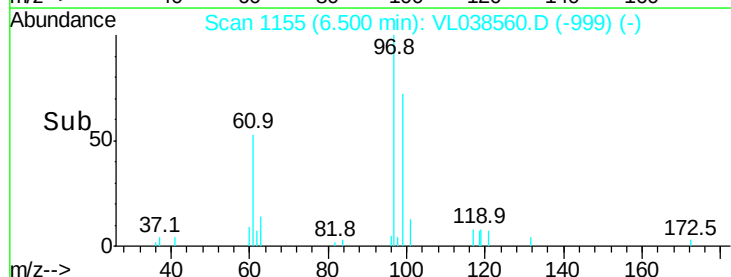
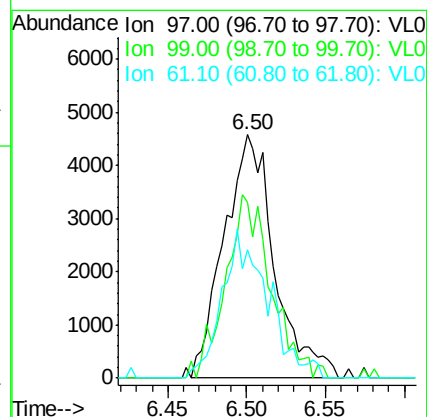
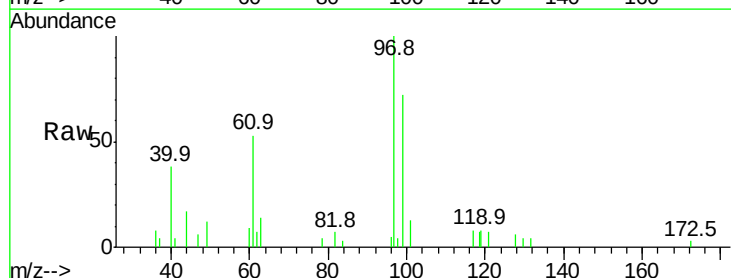
Tgt Ion: 97 Resp: 10112

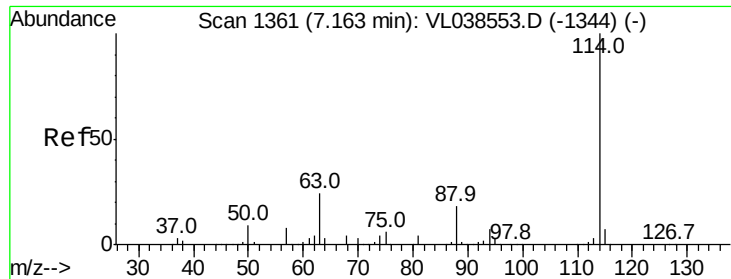
Ion Ratio Lower Upper

97 100

99 68.0 52.1 78.1

61 55.3 37.7 56.5



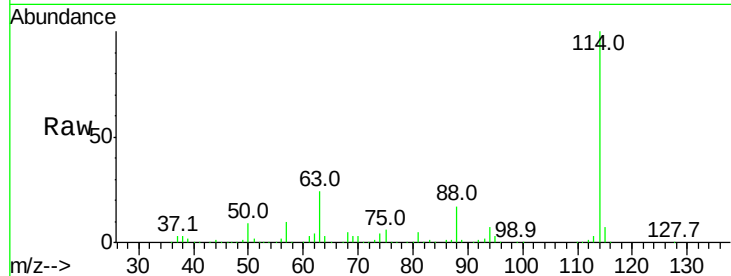


#33  
 1,4-Difluorobenzene  
 Concen: 10.00 ppbv  
 RT: 7.16  
 Delta R.T. MSVOA\_L  
 Lab File: ClientSampleId :  
 Acq: 8 Mar 2022 15:34

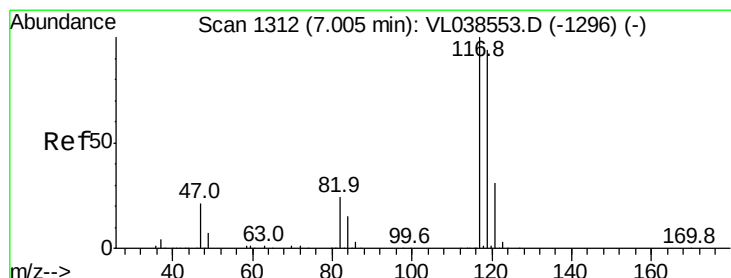
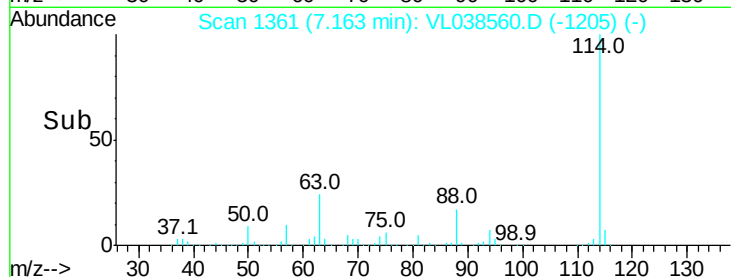
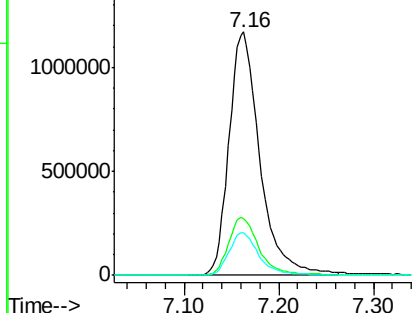
Tgt Ion:1  
 Ion Rati  
 114 100  
 63 23.  
 88 17.

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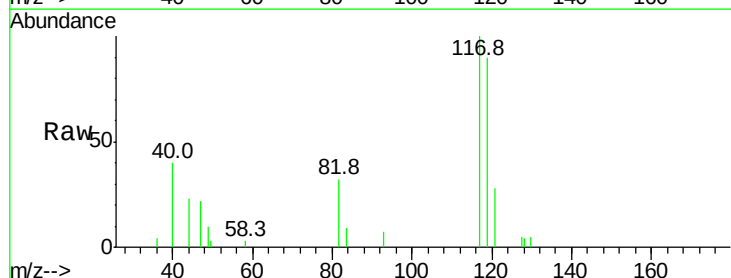


Abundance Ion 114.10 (113.80 to 114.80): V  
 Ion 63.10 (62.80 to 63.80): VL0  
 Ion 88.10 (87.80 to 88.80): VL0

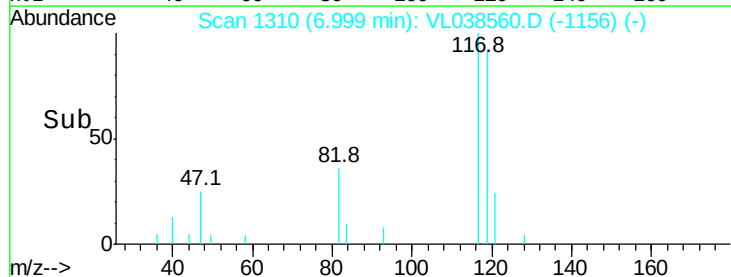
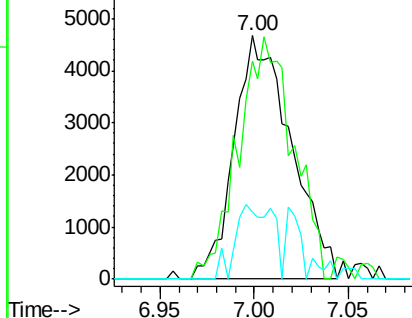


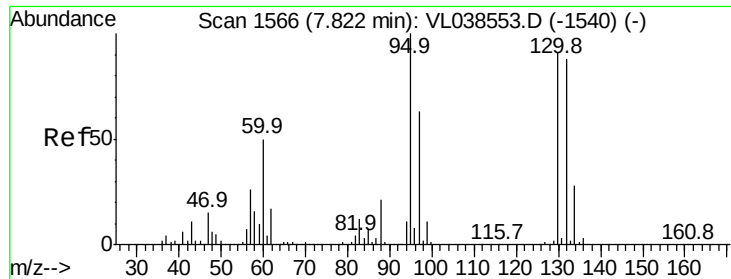
#35  
 Carbon Tetrachloride  
 Concen: 0.05 ppbv m  
 RT: 7.00 min Scan# 1310  
 Delta R.T. -0.01 min  
 Lab File: VL038560.D  
 Acq: 8 Mar 2022 15:34

Tgt Ion:117 Resp: 9799  
 Ion Ratio Lower Upper  
 117 100  
 119 89.7 75.2 112.8  
 121 27.5 24.8 37.2



Abundance Ion 117.00 (116.70 to 117.70): V  
 Ion 119.00 (118.70 to 119.70): V  
 Ion 121.00 (120.70 to 121.70): V





#38

Trichloroethene

Concen: 0.07 ppbv m

RT: 7.83 Instrument:

Delta R.T. MSVOA\_L

Lab File: ClientSampleId:

Acq: 8 Mar 2022 15:34

Tgt Ion:1

Ion Ratio

130 100

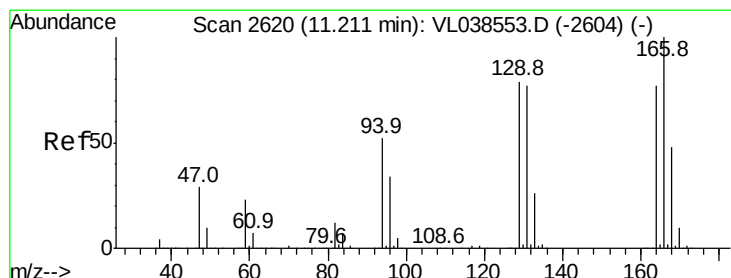
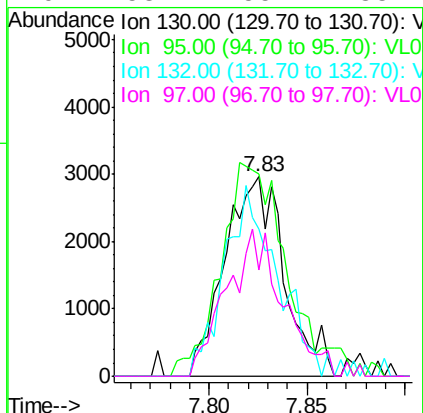
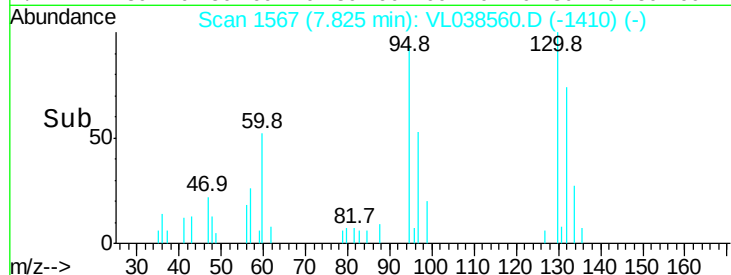
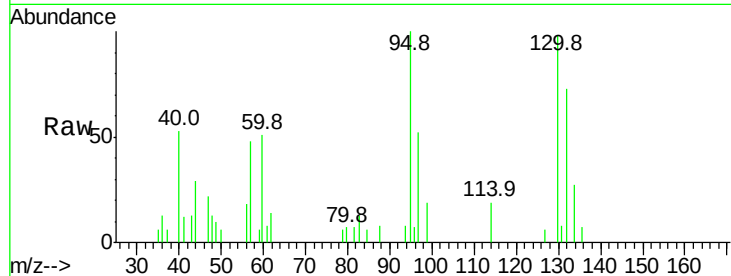
95 101.

132 73.

97 53.2 55.4 83.2#

Manual Integrations  
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Supervised By :Mahesh Dadoda 03/14/2022



#52

Tetrachloroethene

Concen: 0.06 ppbv m

RT: 11.20 min Scan# 2616

Delta R.T. -0.01 min

Lab File: VL038560.D

Acq: 8 Mar 2022 15:34

Tgt Ion:164 Resp: 5618

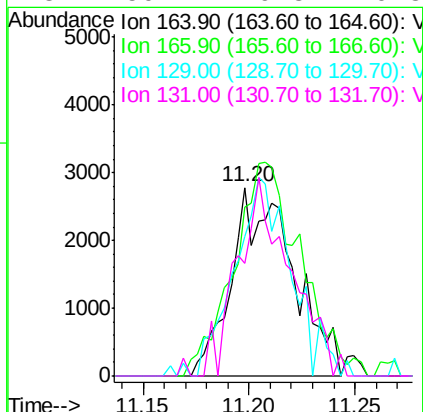
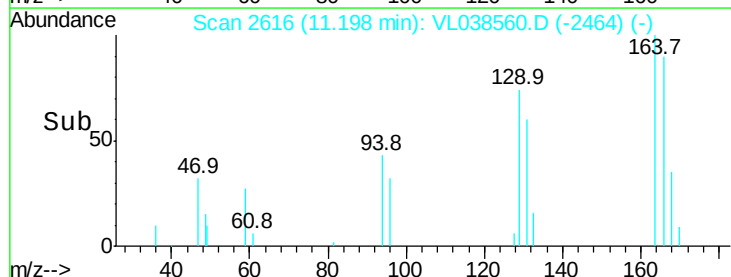
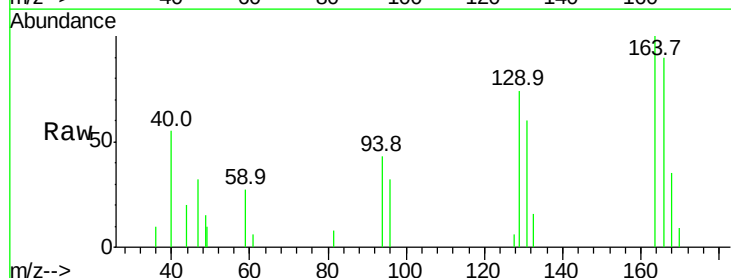
Ion Ratio Lower Upper

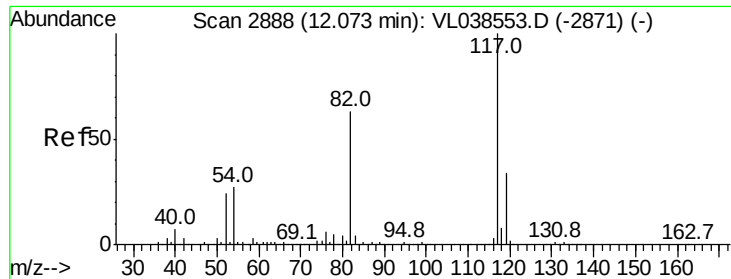
164 100

166 89.8 103.4 155.2#

129 73.6 81.3 121.9#

131 59.7 79.8 119.8#



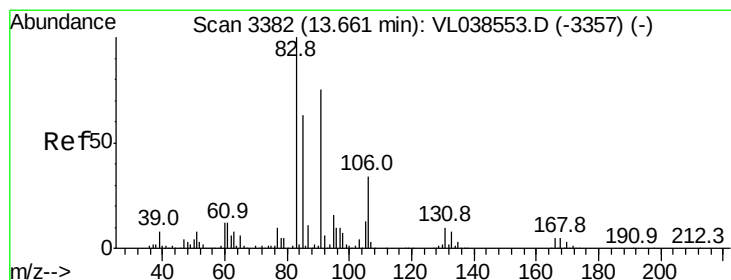
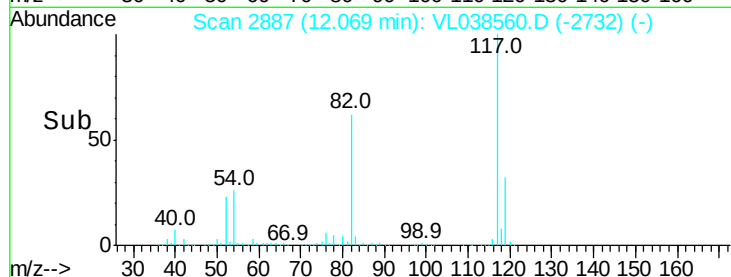
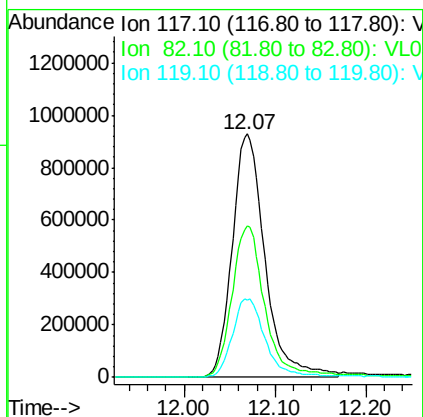
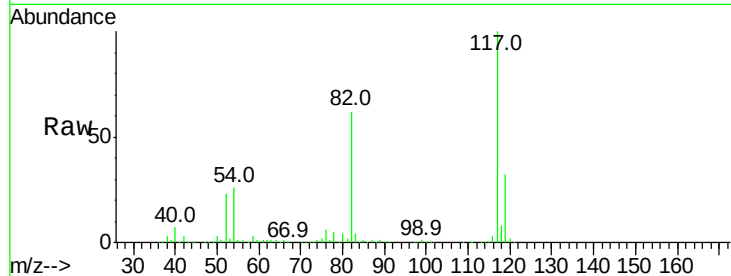


#55  
 Chlorobenzene-d5  
 Concen: 10.00 ppbv  
 RT: 12.07  
 Instrument: MSVOA\_L  
 Delta R.T.:  
 Lab File: ClientSampleId:  
 Acq: 8 Mar 2022 15:34

Tgt Ion: 1  
 Ion Ratio  
 117 100  
 82 64.  
 119 33.

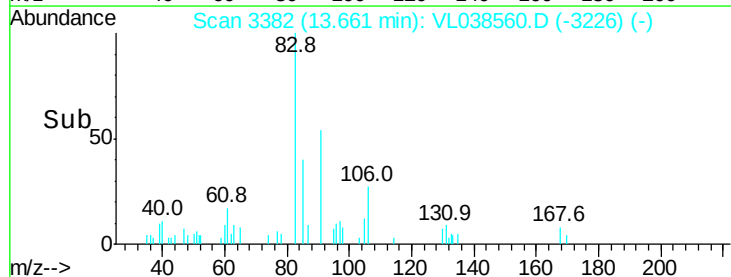
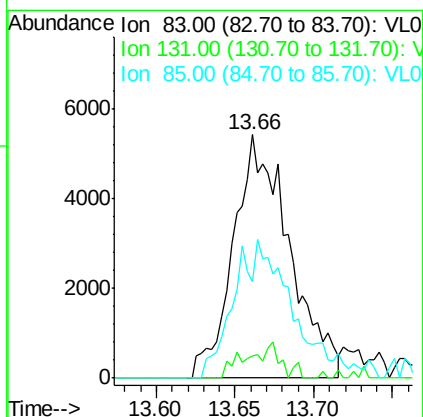
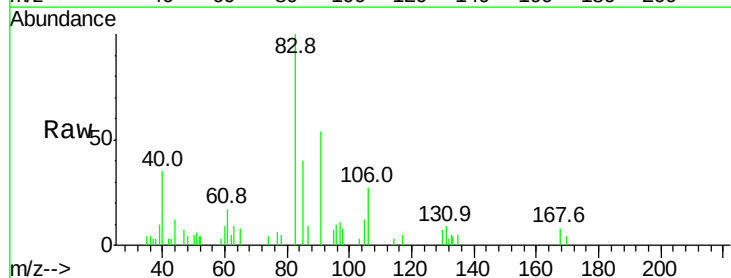
Manual Integrations  
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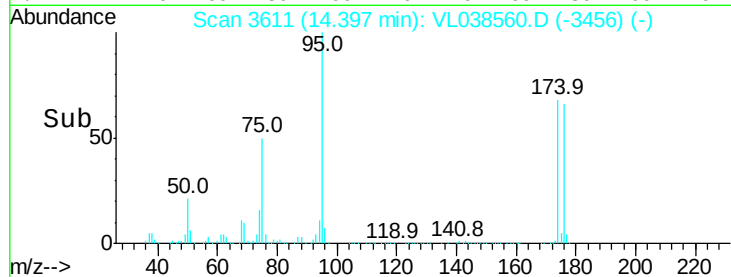
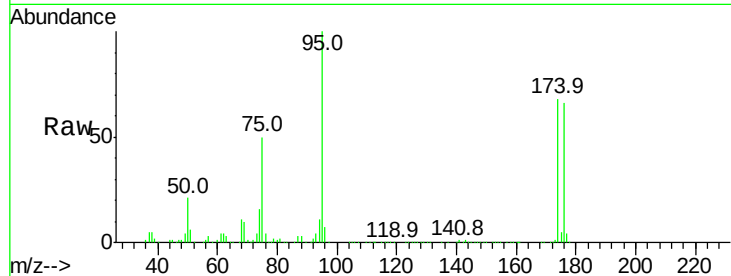
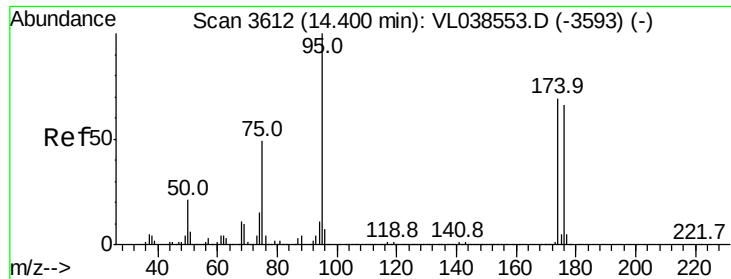
Reviewed By : Semsettin Yesilyurt 03/10/2022  
 Supervised By : Mahesh Dadoda 03/14/2022



#63  
 1,1,2,2-Tetrachloroethane  
 Concen: 0.06 ppbv m  
 RT: 13.66 min Scan# 3382  
 Delta R.T. 0.00 min  
 Lab File: VL038560.D  
 Acq: 8 Mar 2022 15:34

Tgt Ion: 83 Resp: 13348  
 Ion Ratio Lower Upper  
 83 100  
 131 0.0 4.7 14.1#  
 85 61.8 32.6 98.0





#68

1-Bromo-4-Fluorobenzene

Concen: 9.79 ppbv

RT: 14.40

Delta R.T

Lab File: ClientSampleId :

Acq: 8 Mar 2022 15:34

Tgt Ion:

Ion Ratio

95 100

174 71.

175 5.

Manual Integrations

APPROVED

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