

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL111021\  
 Data File : VL038017.D  
 Acq On : 10 Nov 2021 21:31  
 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 11/11/2021  
 Supervised By :Mahesh Dadoda 11/17/2021

Quant Time: Nov 11 05:15:20 2021  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL110121A  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:  
 QLast Update : Tue Nov 02 05:54:07 2021  
 Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 5.65  | 49   | 1303233  | 10.00 | ppbv  | -0.01    |
| 33) 1,4-Difluorobenzene | 7.16  | 114  | 3930343  | 10.00 | ppbv  | -0.02    |
| 55) Chlorobenzene-d5    | 12.06 | 117  | 3429466  | 10.00 | ppbv  | -0.02    |

## System Monitoring Compounds

|                             |        |       |          |          |      |        |
|-----------------------------|--------|-------|----------|----------|------|--------|
| 68) 1-Bromo-4-Fluorobenzene | 14.39  | 95    | 2430179  | 9.75     | ppbv | -0.02  |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 97.50% |

## Target Compounds

|                       | R.T.  | QIon | Response | Conc  | Units | Ovalue |
|-----------------------|-------|------|----------|-------|-------|--------|
| 52) Tetrachloroethene | 11.20 | 164  | 19831m   | 0.163 | ppbv  |        |

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

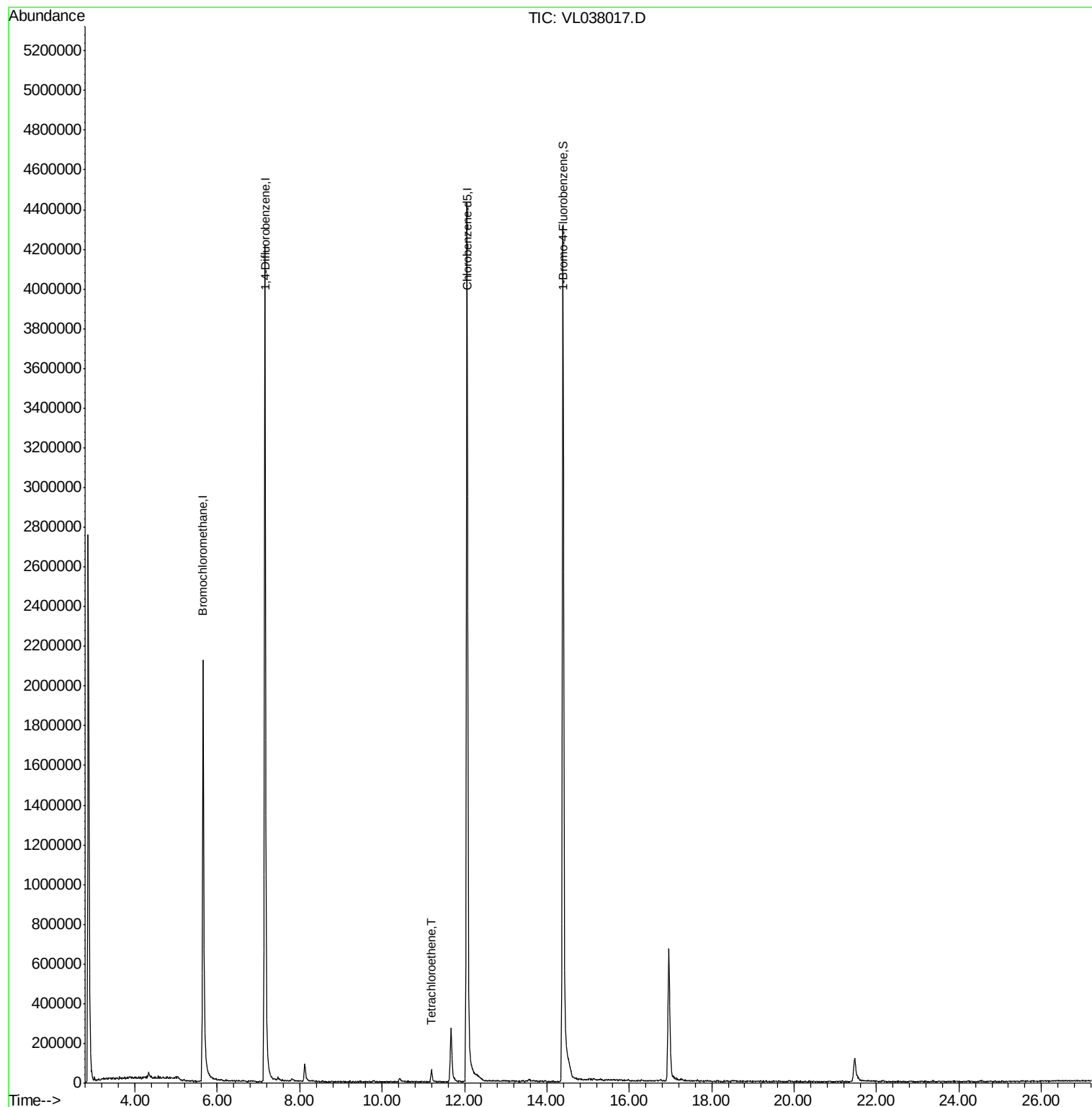
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL111021\  
Data File : VL038017.D  
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ALS Vial : 1 Sample Multiplier: 1

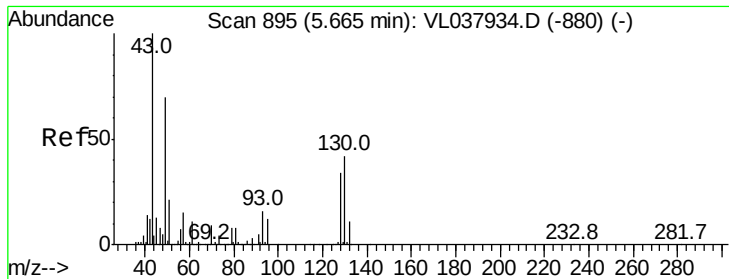
Instrument :  
MSVOA\_L  
ClientSampleId :  
VIBLK

Manual Integrations  
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Quant Time: Nov 11 05:15:20 2021  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL110121  
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:  
QLast Update : Tue Nov 02 05:54:07 2021  
Response via : Initial Calibration

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 Instrument: MSVOA\_1

Delta R.T. ClientSampleId:

Lab File: VIBLK

Acq: 10 Nov 2021 21:31

Tot Ion:

Ion Ratio

49 100

128 52.

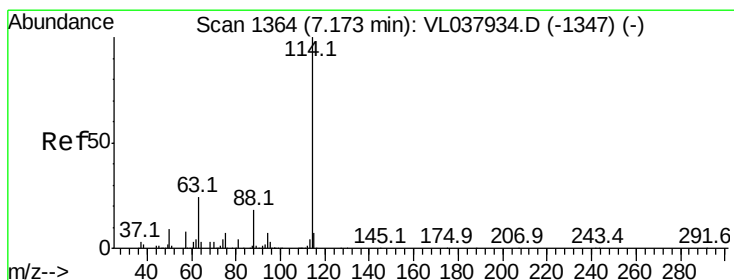
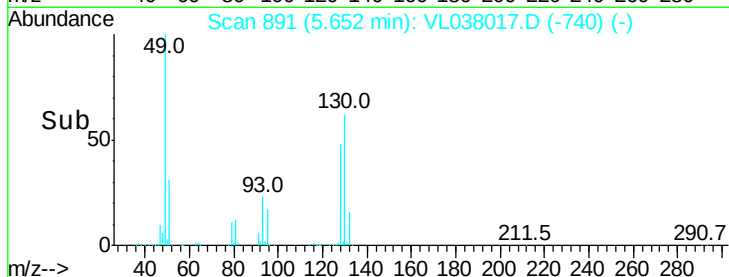
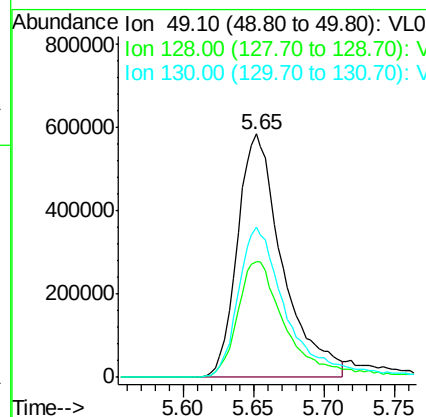
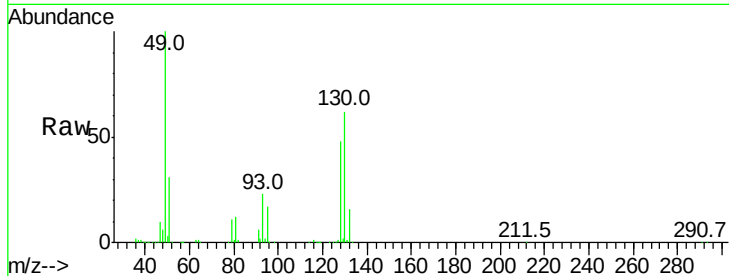
130 68.

Manual Integrations

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#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.16 min Scan# 1359

Delta R.T. -0.02 min

Lab File: VL038017.D

Acq: 10 Nov 2021 21:31

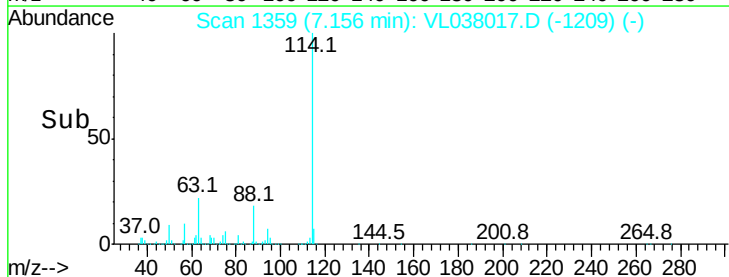
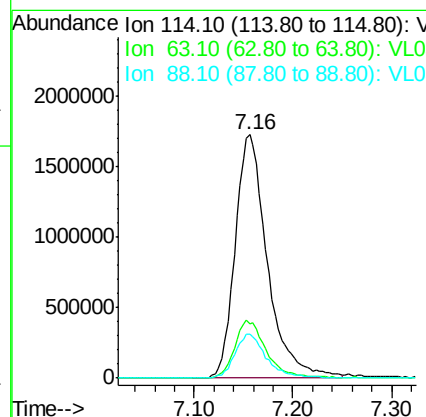
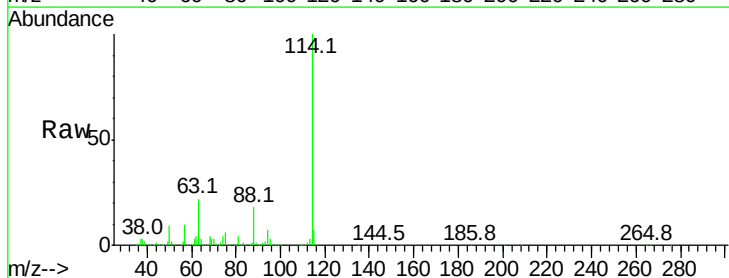
Tgt Ion:114 Resp: 3930343

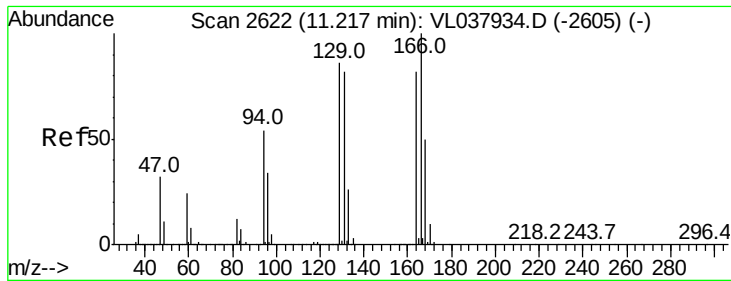
Ion Ratio Lower Upper

114 100

63 23.8 19.4 29.0

88 17.9 14.2 21.4





#52

Tetrachloroethene

Concen: 0.163 ppbv m

RT: 11.20

Delta R.T. MSVOA\_L

Lab File: ClientSampleId:

Acq: 10 Nov 2021 21:31

Tot Ion:1

Ion Ratio

164 100

166 75.

129 65.

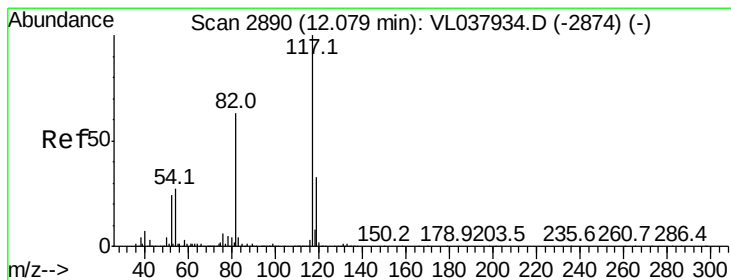
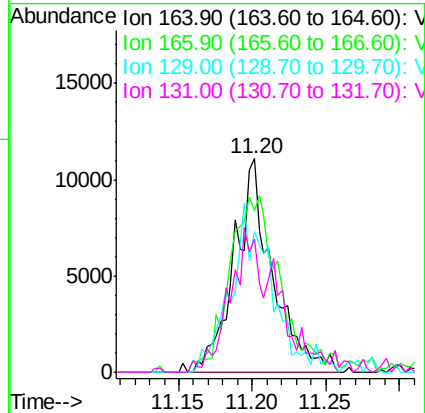
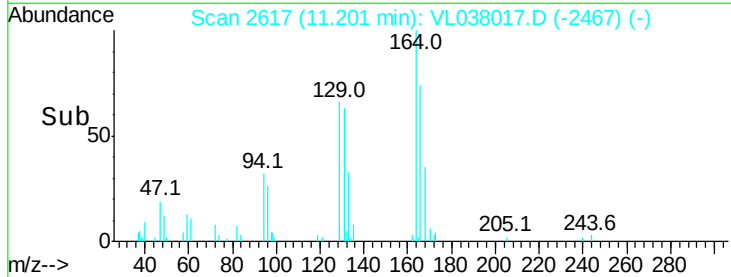
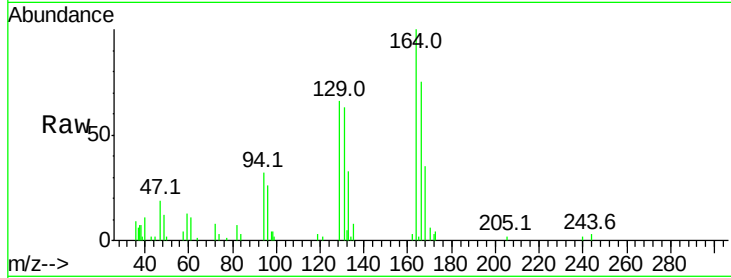
131 62.5 79.6 119.4#

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#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.06 min Scan# 2884

Delta R.T. -0.02 min

Lab File: VL038017.D

Acq: 10 Nov 2021 21:31

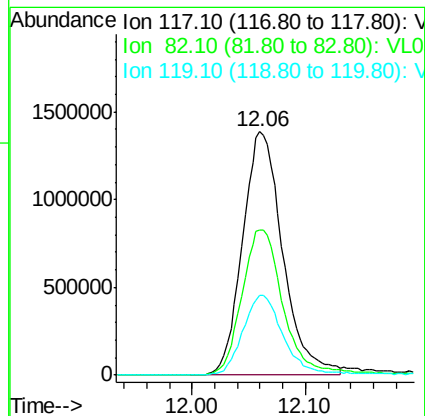
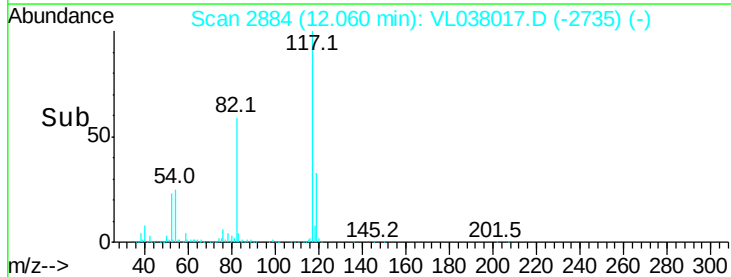
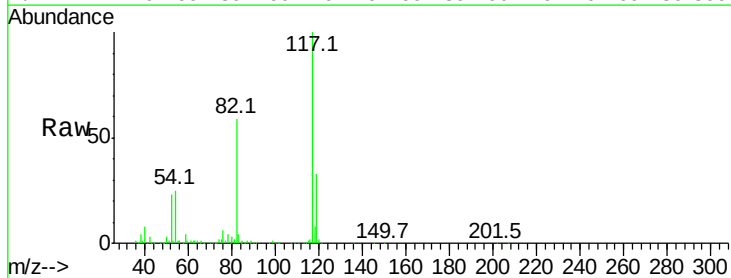
Tgt Ion:117 Resp: 3429466

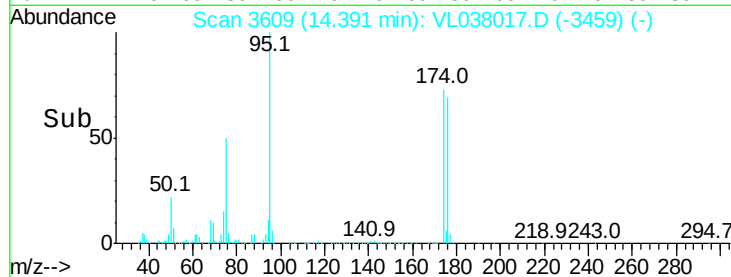
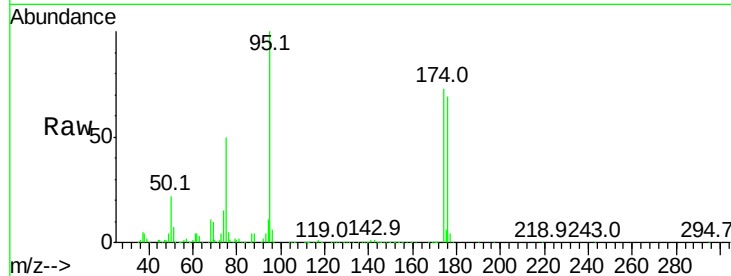
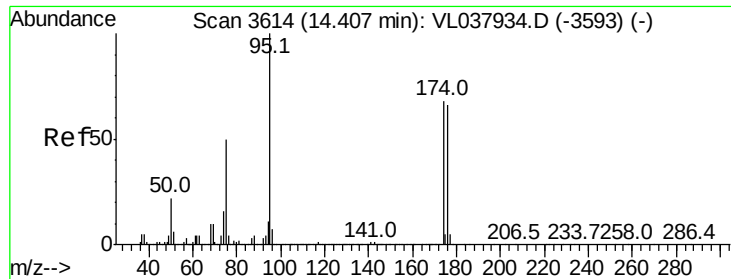
Ion Ratio Lower Upper

117 100

82 62.4 51.0 76.6

119 33.5 26.9 40.3





#68

1-Bromo-4-Fluorobenzene

Concen: 9.749 ppbv

RT: 14.39

Delta R.T

Lab File: ClientSampleId :

Acq: 10 Nov 2021 21:31

Tot Ion:

Ion Ratio

95 100

174 76.

175 5.

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