

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL112921\  
 Data File : VL038133.D  
 Acq On : 29 Nov 2021 13:41  
 Operator : SY/AP  
 Sample : M4751-02DL 600X  
 Misc : 400mL/MSVOA L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 SVP-2DL

Manual Integrations  
 APPROVED

Reviewed By : Semsettin Yesilyurt 11/30/2021  
 Supervised By : Mahesh Dadoda 12/01/2021

Quant Time: Nov 30 06:05:15 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   | 5.68  | 49   | 982046   | 10.00 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 7.19  | 114  | 2637785  | 10.00 | ppbv  | 0.01     |
| 55) Chlorobenzene-d5    | 12.09 | 117  | 2270491  | 10.00 | ppbv  | 0.00     |

System Monitoring Compounds

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| 68) 1-Bromo-4-Fluorobenzene | 14.42  | 95    | 1858240  | 11.35    | ppbv | 0.00    |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 113.50% |

| Target Compounds       | R.T.  | QIon | Response | Conc   | Units  | Ovalue |
|------------------------|-------|------|----------|--------|--------|--------|
| 15) Acetone            | 3.89  | 43   | 48646m   | 0.571  | ppbv   |        |
| 20) Methylene Chloride | 4.36  | 84   | 19164    | 0.402  | ppbv # | 79     |
| 26) Hexane             | 5.70  | 57   | 18222m   | 0.134  | ppbv   |        |
| 38) Trichloroethene    | 7.84  | 130  | 45937m   | 0.463  | ppbv   |        |
| 52) Tetrachloroethene  | 11.23 | 164  | 1782019  | 18.303 | ppbv   | 97     |

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

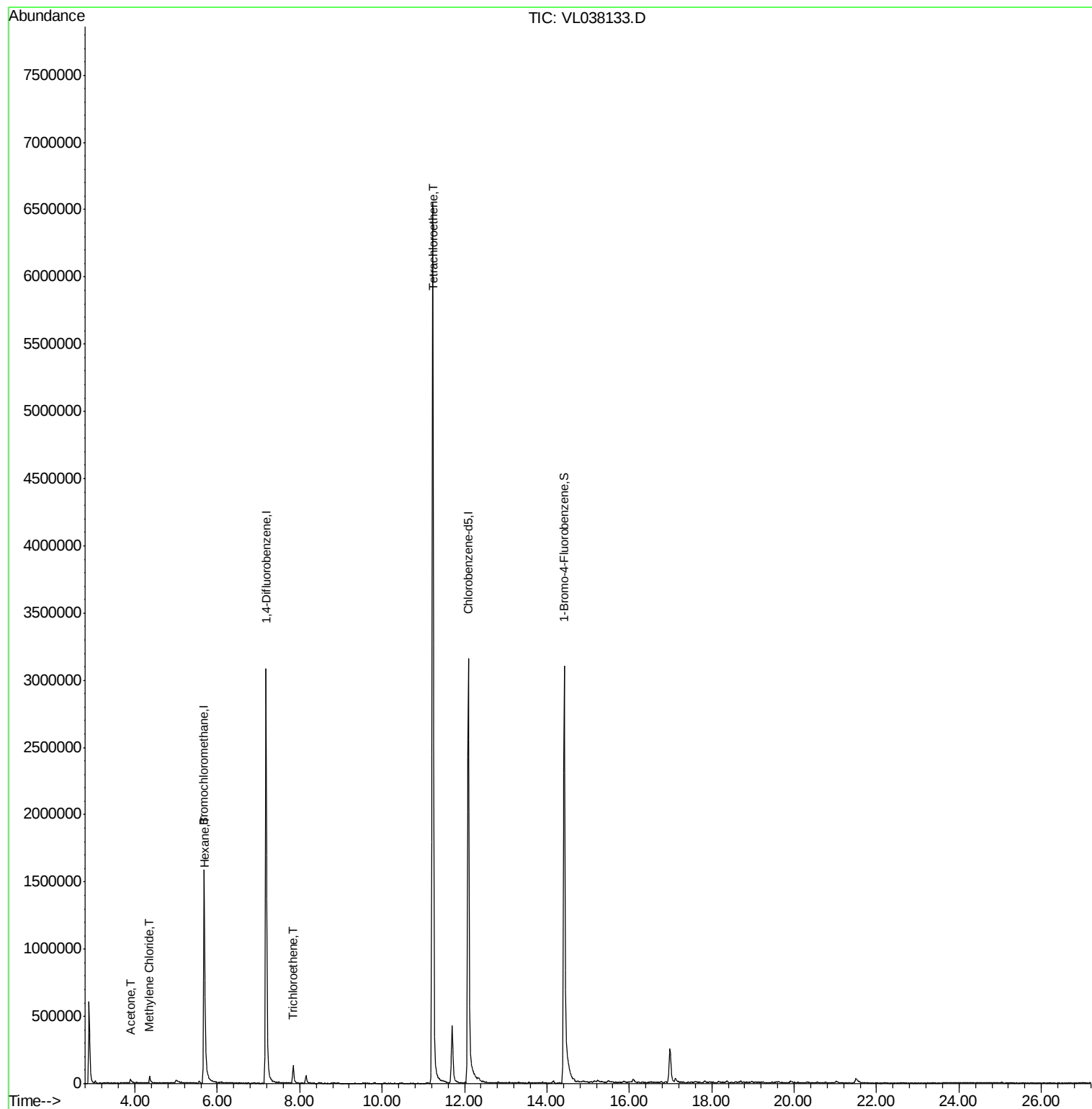
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL112921\  
Data File : VL038133.D  
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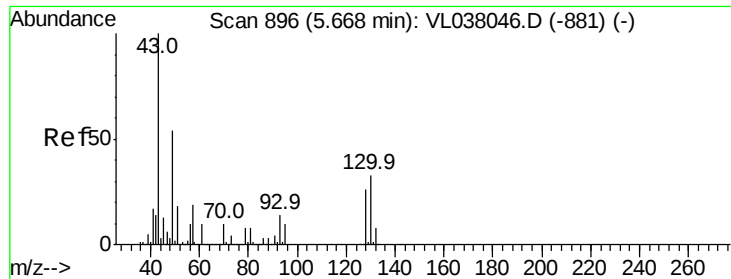
Instrument :  
MSVOA\_L  
ClientSampleId :  
SVP-2DL

Quant Time: Nov 30 06:05:15 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

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Supervised By :Mahesh Dadoda 12/01/2021





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 Instrument:

Delta R.T. MSVOA\_L

Lab File: ClientSampleId:

SVP-2DL

Acq: 29 Nov 2021 13:41

Tot Ion:

Ion Ratio

49 100

128 48.

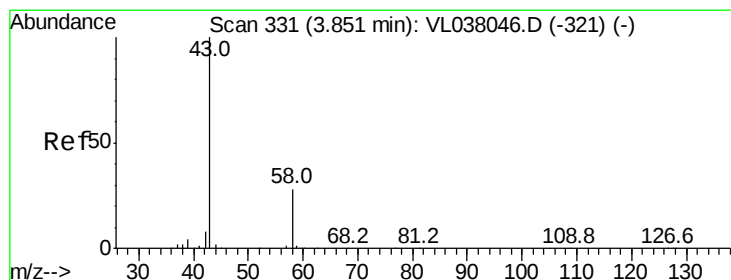
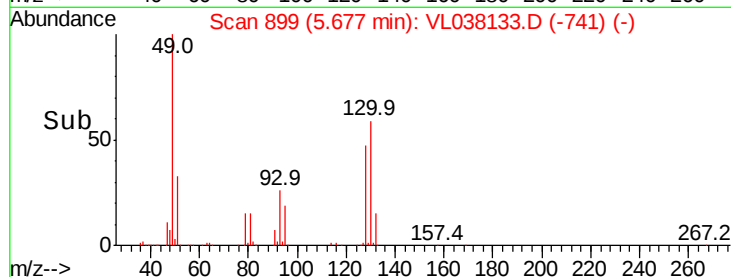
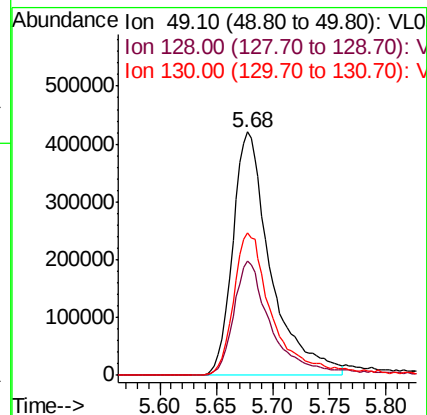
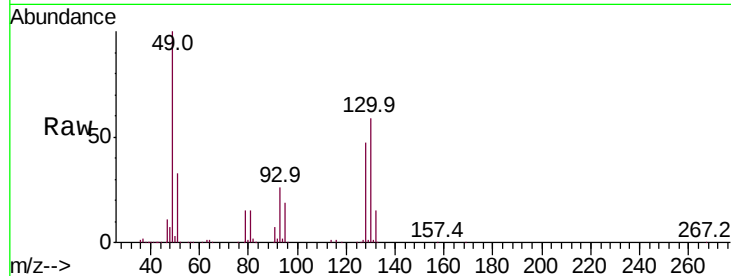
130 61.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 11/30/2021

Supervised By :Mahesh Dadoda 12/01/2021



#15

Acetone

Concen: 0.571 ppbv m

RT: 3.89 min Scan# 343

Delta R.T. 0.04 min

Lab File: VL038133.D

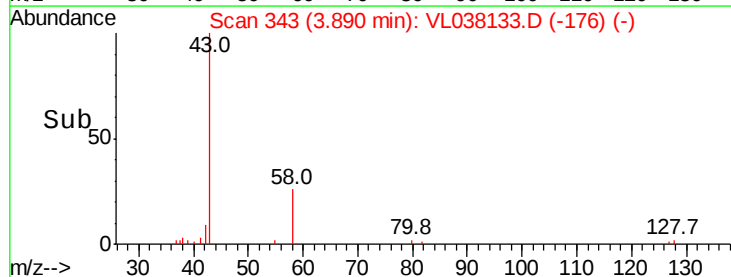
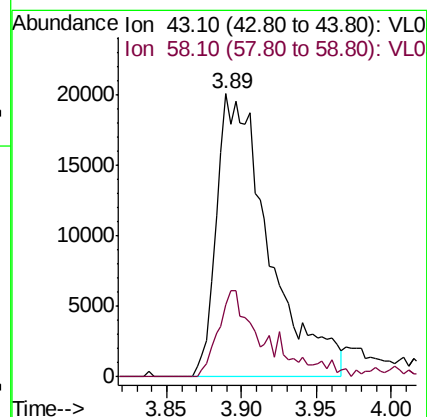
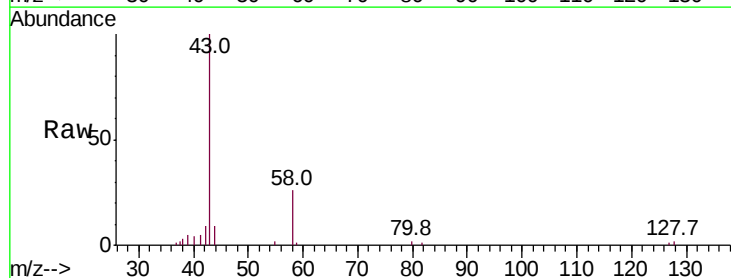
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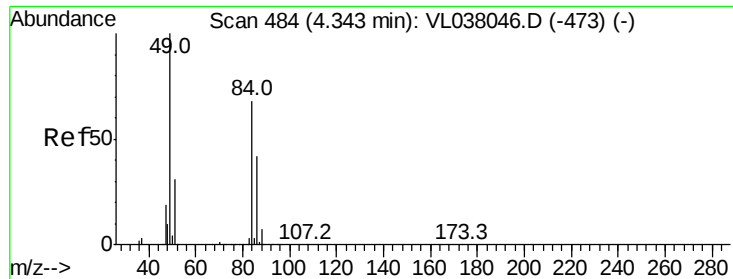
Tgt Ion: 43 Resp: 48646

Ion Ratio Lower Upper

43 100

58 27.2 22.4 33.6



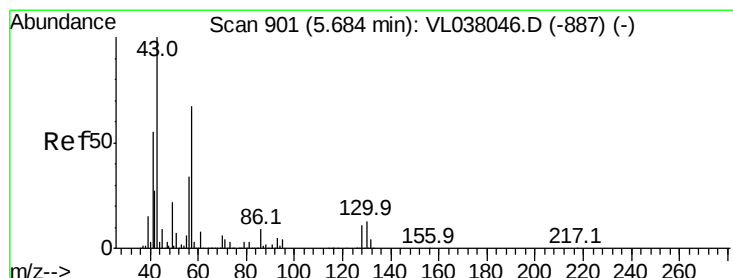
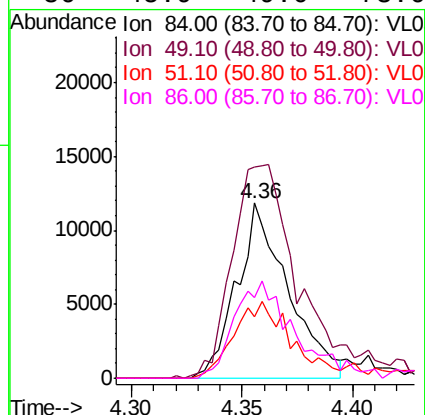
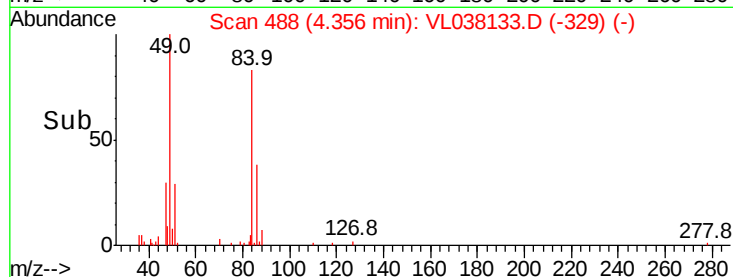
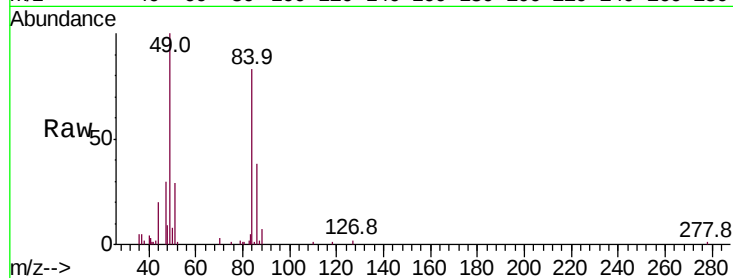


#20  
Methvlene Chloride  
Concen: 0.402 ppbv  
RT: 4.36  
Instrument: MSVOA\_L  
Delta R.T.  
Lab File: ClientSampleId :  
SVP-2DL  
Acq: 29 Nov 2021 13:41

Tot Ion:  
Ion Ratio  
84 100  
49 119.  
51 35.  
86 45.9 49.0 73.6#

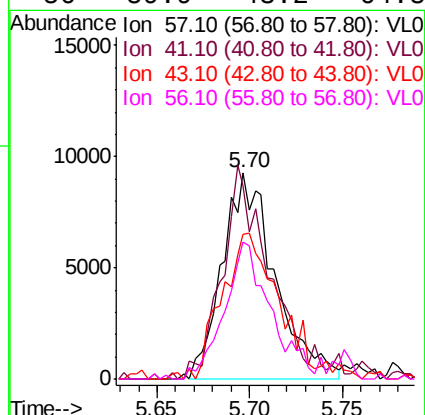
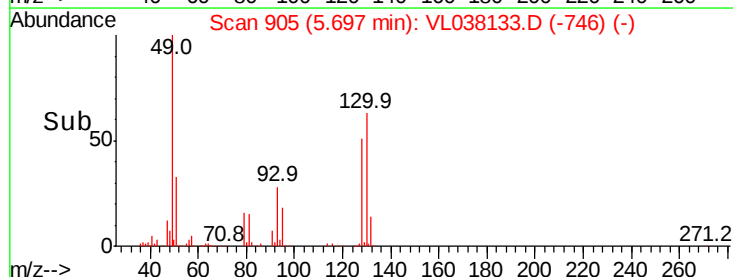
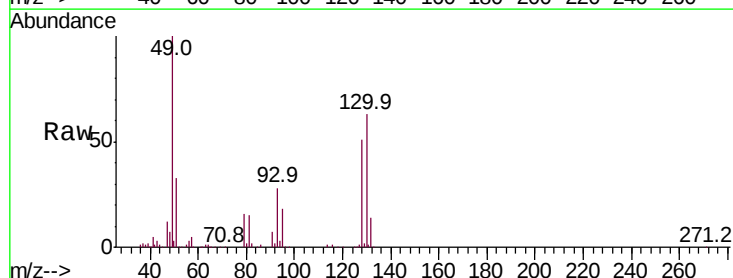
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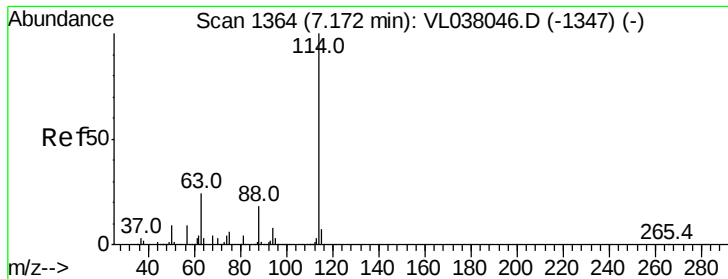
Reviewed By :Semsettin Yesilyurt 11/30/2021  
Supervised By :Mahesh Dadoda 12/01/2021



#26  
Hexane  
Concen: 0.134 ppbv m  
RT: 5.70 min Scan# 905  
Delta R.T. 0.01 min  
Lab File: VL038133.D  
Acq: 29 Nov 2021 13:41

Tgt Ion: 57 Resp: 18222  
Ion Ratio Lower Upper  
57 100  
41 94.9 71.4 107.2  
43 0.0 174.6 261.8#  
56 59.9 43.2 64.8



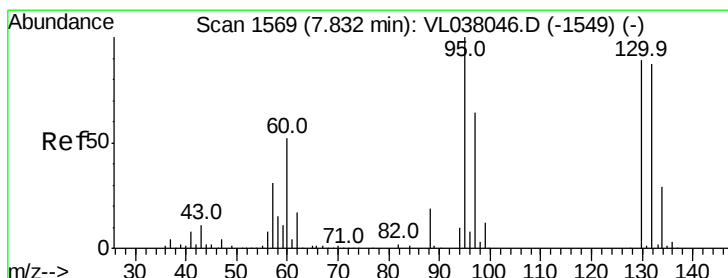
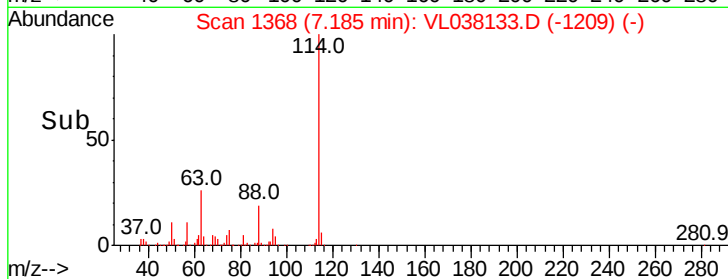
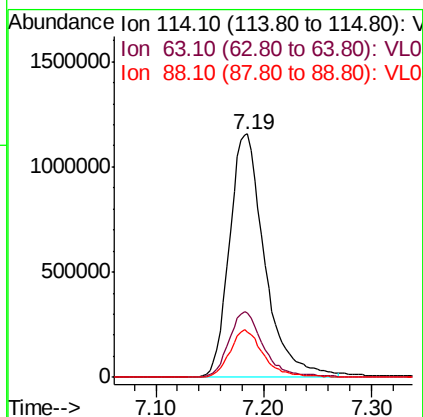
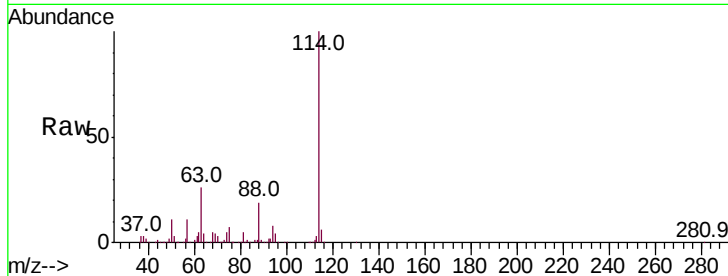


#33  
 1,4-Difluorobenzene  
 Concen: 10.000 ppbv  
 RT: 7.19  
 Instrument: MSVOA\_L  
 Delta R.T.:  
 Lab File: ClientSampleId:  
 SVP-2DL  
 Acq: 29 Nov 2021 13:41

Tot Ion:1  
 Ion Rati  
 114 100  
 63 27.  
 88 19.

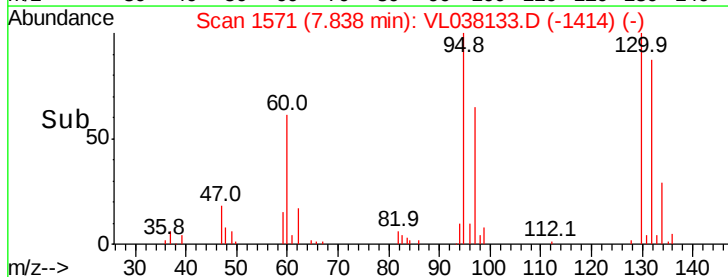
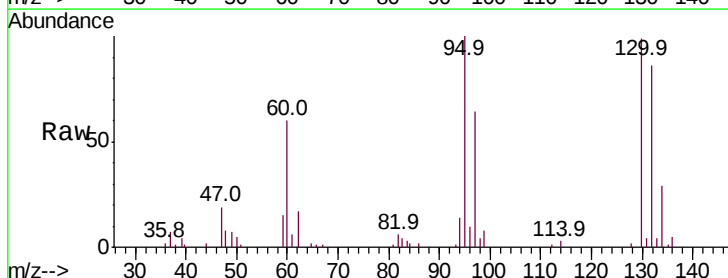
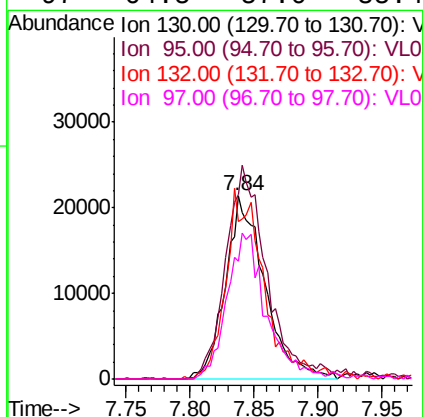
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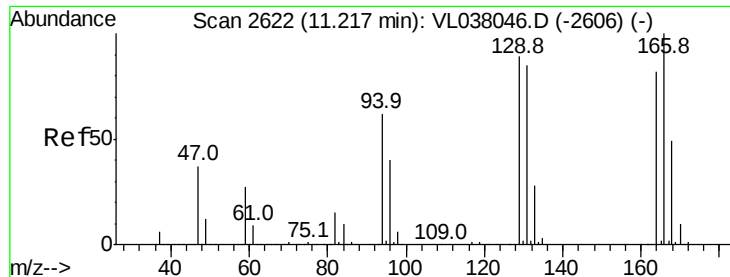
Reviewed By :Semsettin Yesilyurt 11/30/2021  
 Supervised By :Mahesh Dadoda 12/01/2021



#38  
 Trichloroethene  
 Concen: 0.463 ppbv m  
 RT: 7.84 min Scan# 1571  
 Delta R.T. 0.01 min  
 Lab File: VL038133.D  
 Acq: 29 Nov 2021 13:41

Tgt Ion:130 Resp: 45937  
 Ion Ratio Lower Upper  
 130 100  
 95 100.5 89.4 134.2  
 132 86.2 78.2 117.2  
 97 64.5 57.0 85.4





#52

Tetrachloroethene

Concen: 18.303 ppbv

RT: 11.23

Delta R.T. MSVOA\_L

Lab File: ClientSampleId:

Acq: 29 Nov 2021 13:41

Tot Ion:1

Ion Rati

164 100

166 123.

129 110.

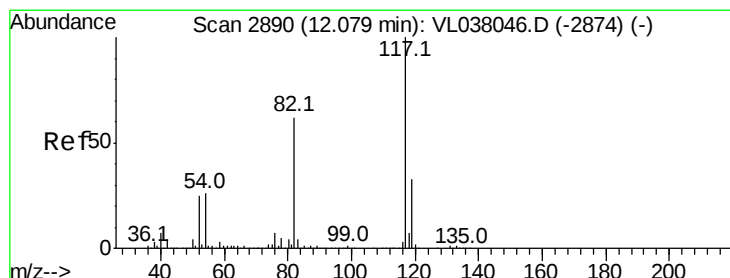
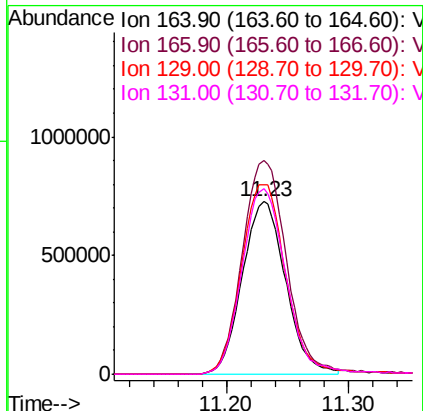
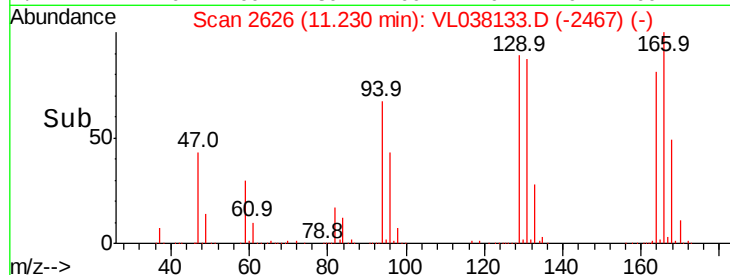
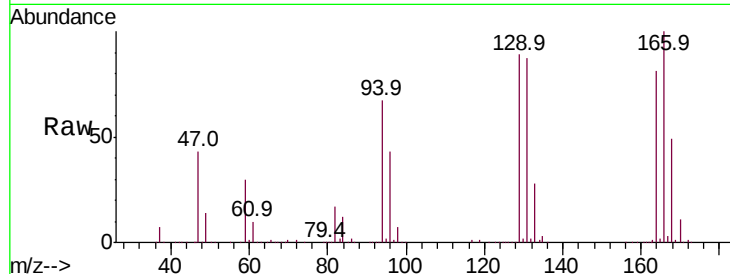
131 107.9 82.8 124.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/30/2021

Supervised By :Mahesh Dadoda 12/01/2021



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.09 min Scan# 2893

Delta R.T. 0.01 min

Lab File: VL038133.D

Acq: 29 Nov 2021 13:41

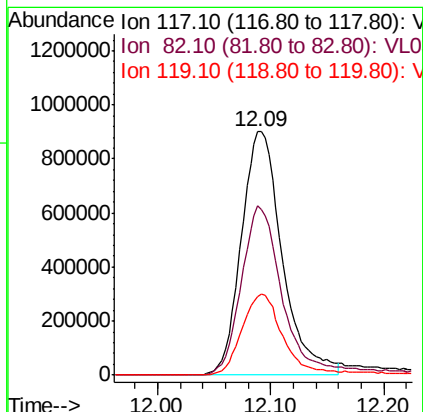
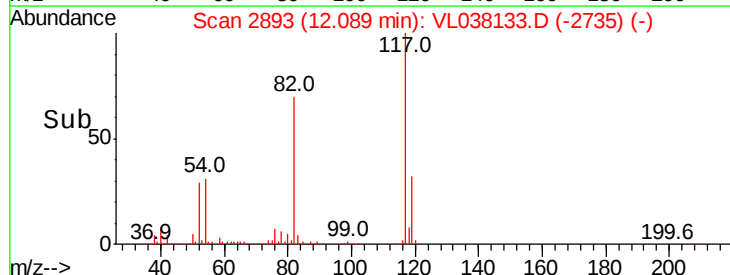
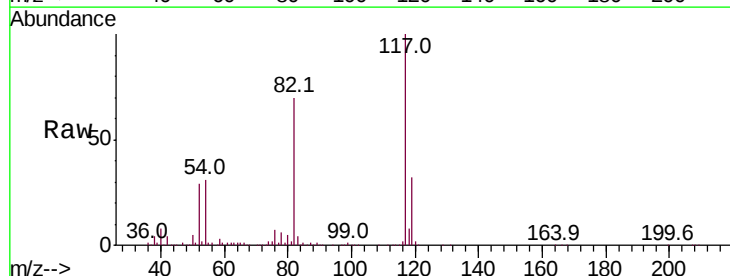
Tgt Ion:117 Resp: 2270491

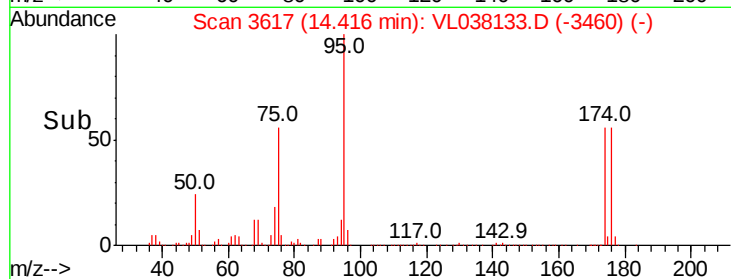
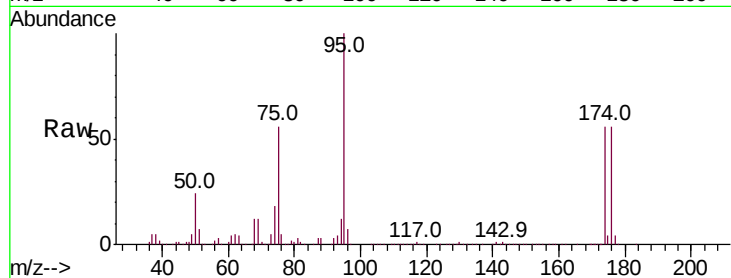
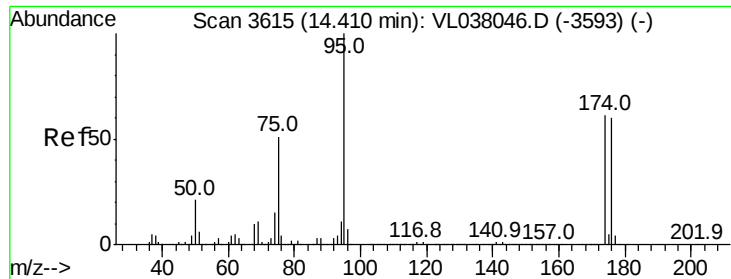
Ion Ratio Lower Upper

117 100

82 74.6 52.8 79.2

119 35.9 26.8 40.2





#68

1-Bromo-4-Fluorobenzene

Concen: 11.346 ppbv

RT: 14.42 Instrument:

Delta R.T MSVOA\_L

Lab File: ClientSampleId:

SVP-2DL

Acq: 29 Nov 2021 13:41

Tot Ion:

Ion Rati

95 100

174 61.

175 4.

Manual Integrations

APPROVED

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