

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL112321\  
 Data File : VL038113.D  
 Acq On : 23 Nov 2021 23:49  
 Operator : SY/AP  
 Sample : M4805-01DL 10X  
 Misc : 400mL/MSVOA L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA L  
 ClientSampleId :  
 SG-PURE-BARREDL

Manual Integrations  
 APPROVED

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

Quant Time: Nov 28 12:04:23 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   | 5.66  | 49   | 887288   | 10.00 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 7.16  | 114  | 2427737  | 10.00 | ppbv  | -0.01    |
| 55) Chlorobenzene-d5    | 12.07 | 117  | 2107519  | 10.00 | ppbv  | -0.01    |

System Monitoring Compounds

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| 68) 1-Bromo-4-Fluorobenzene | 14.39  | 95    | 1677924  | 11.04    | ppbv | -0.02   |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 110.40% |

| Target Compounds           | R.T.  | QIon | Response | Conc    | Units  | Ovalue |
|----------------------------|-------|------|----------|---------|--------|--------|
| 11) Trichlorofluoromethane | 3.95  | 101  | 44643    | 0.320   | ppbv   | 96     |
| 13) Ethanol                | 3.60  | 45   | 1163474  | 175.443 | ppbv   | 90     |
| 15) Acetone                | 3.85  | 43   | 779707   | 10.135  | ppbv   | 96     |
| 19) Isopropyl Alcohol      | 3.97  | 45   | 800759   | 14.406  | ppbv # | 96     |
| 61) Styrene                | 13.52 | 104  | 22608m   | 0.155   | ppbv   |        |
| 62) Isopropylbenzene       | 14.64 | 105  | 79344m   | 0.205   | ppbv   |        |

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

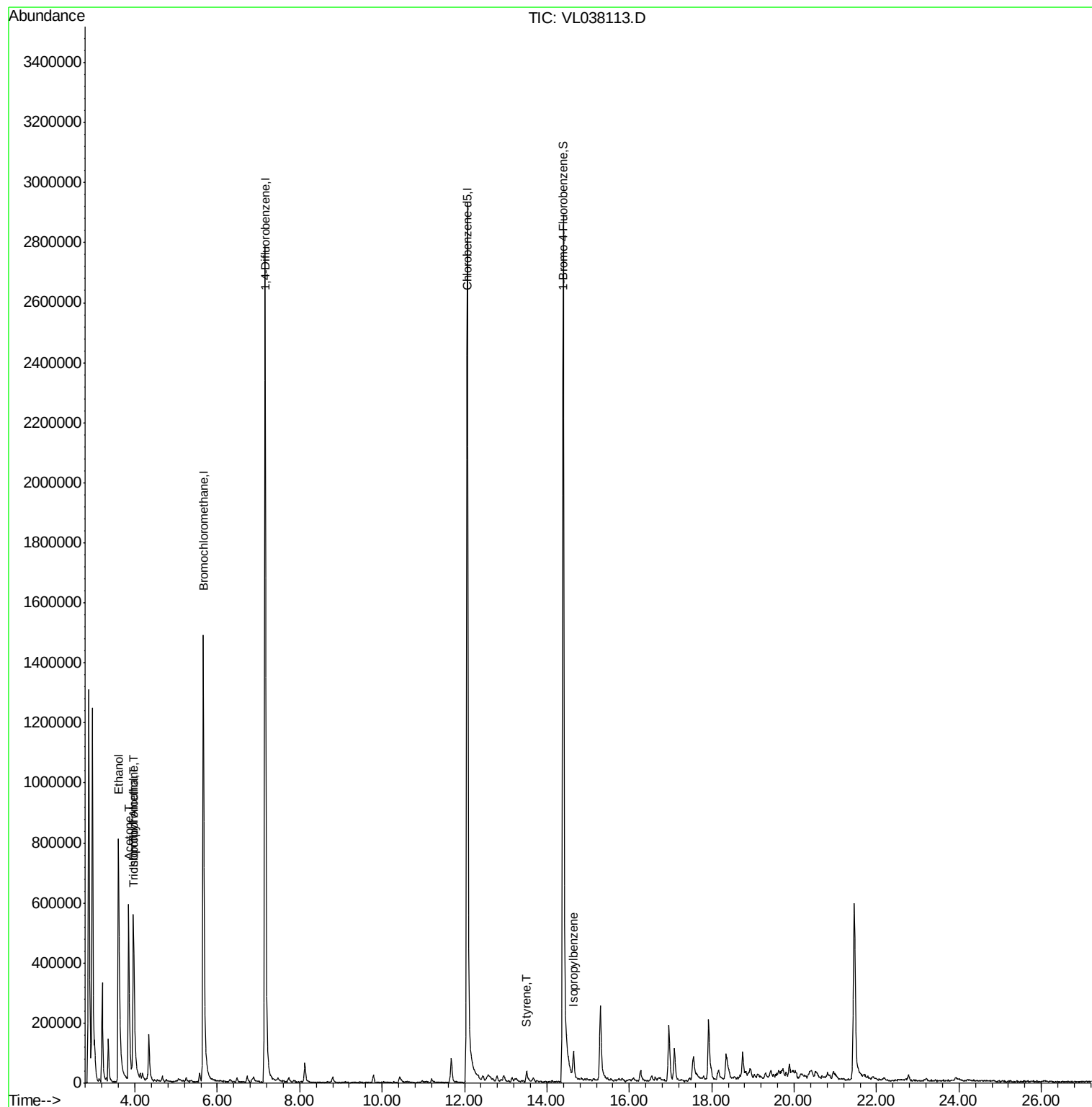
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL112321\  
Data File : VL038113.D  
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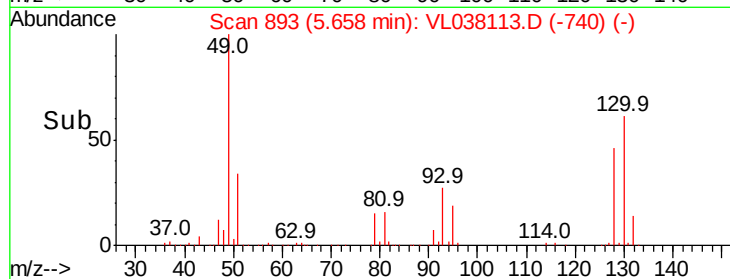
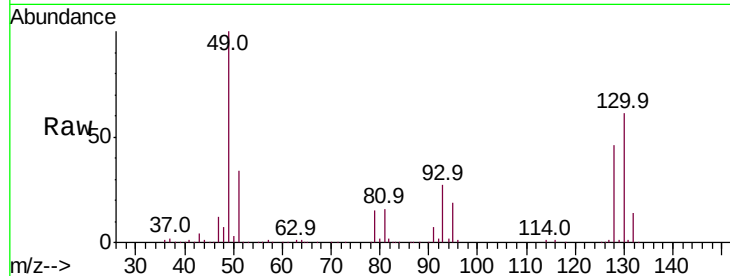
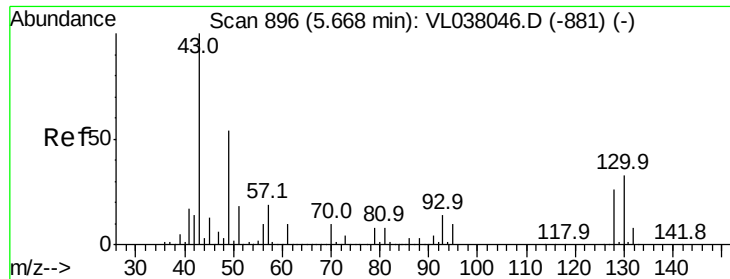
Instrument :  
MSVOA\_L  
ClientSampleId :  
SG-PURE-BARREDL

Quant Time: Nov 28 12:04:23 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  
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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 Instrument: MSVOA\_1

Delta R.T.

Lab File: ClientSampleId :

Acq: 23 Nov 2021 23:49

Tot Ion:

Ion Ratio

49 100

128 47.

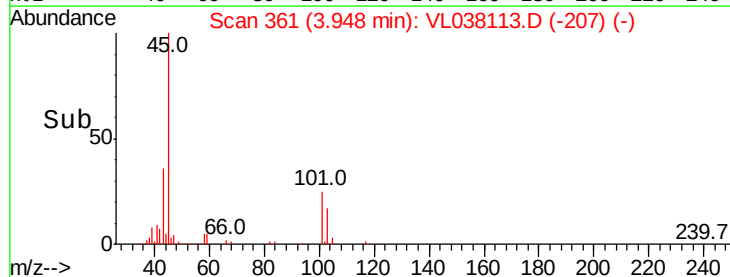
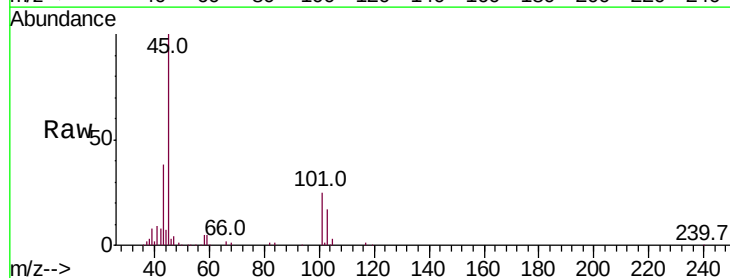
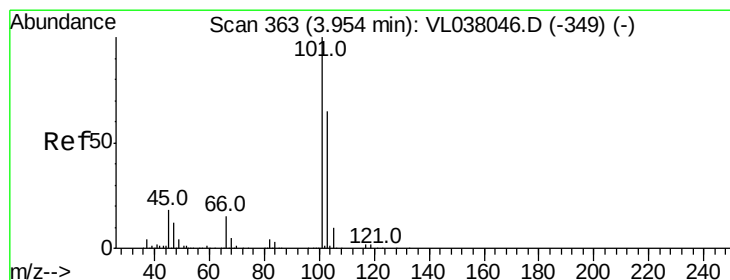
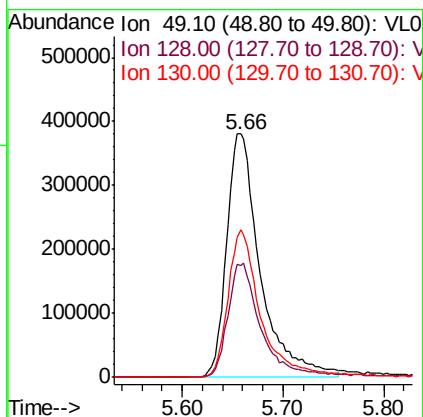
130 59.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/29/2021

Supervised By :Mahesh Dadoda 11/29/2021



#11

Trichlorofluoromethane

Concen: 0.320 ppbv

RT: 3.95 min Scan# 361

Delta R.T. -0.01 min

Lab File: VL038113.D

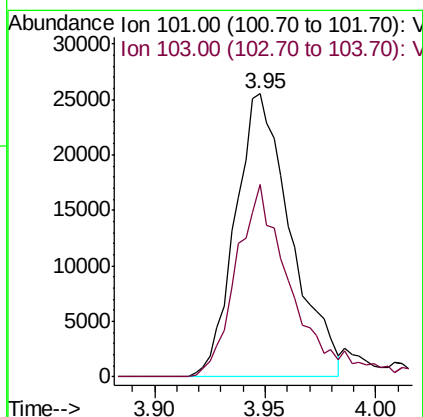
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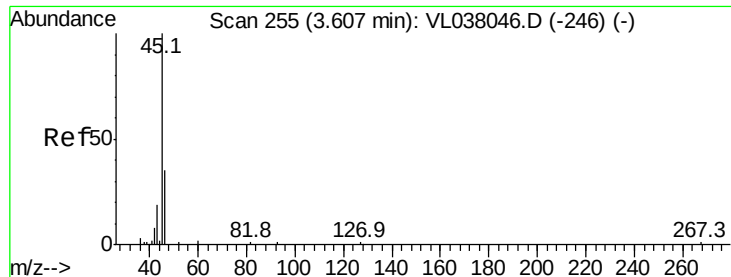
Tgt Ion:101 Resp: 44643

Ion Ratio Lower Upper

101 100

103 68.0 51.8 77.6





#13

Ethanol

Concen: 175.443 ppbv

RT: 3.60

Delta R.T. MSVOA\_L

Lab File: ClientSampleId :

Acq: 23 Nov 2021 23:49

Tot Ion:

Ion Ratio

45 100

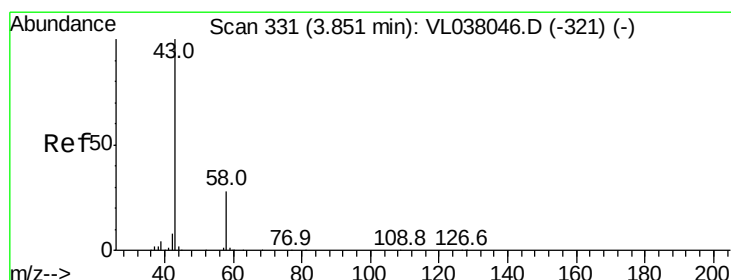
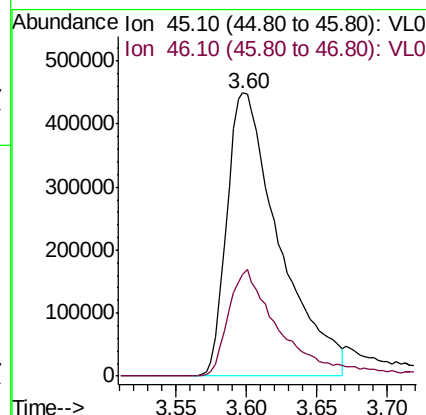
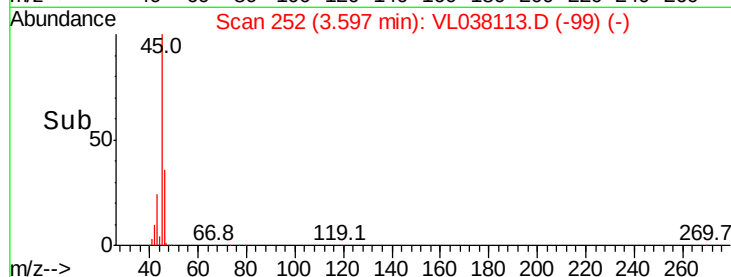
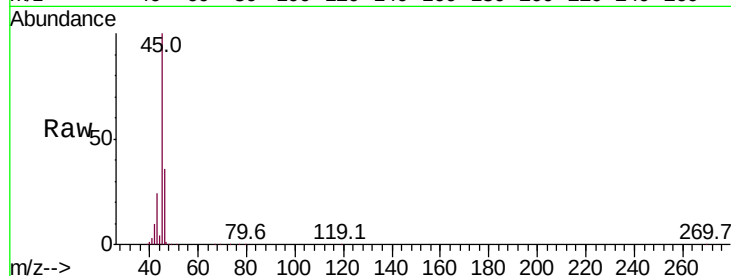
46 37.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/29/2021

Supervised By :Mahesh Dadoda 11/29/2021



#15

Acetone

Concen: 10.135 ppbv

RT: 3.85 min Scan# 330

Delta R.T. -0.00 min

Lab File: VL038113.D

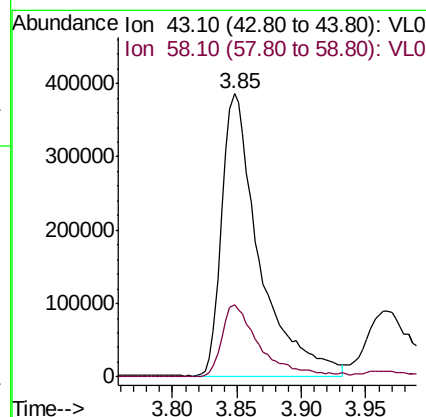
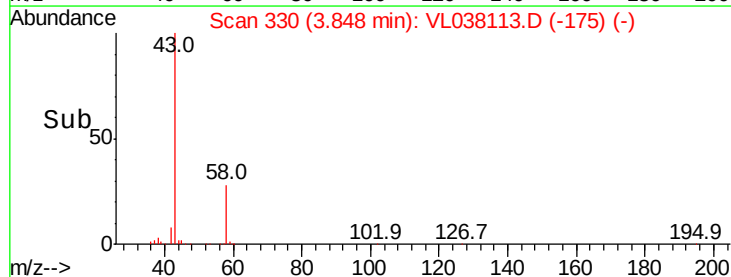
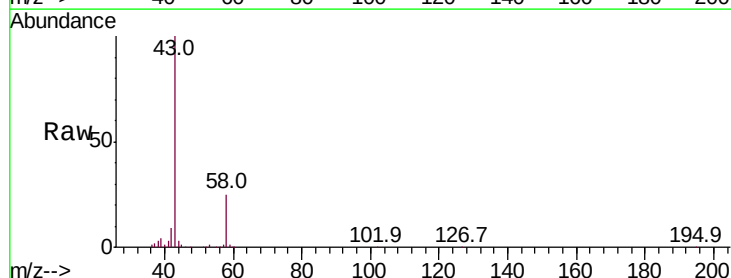
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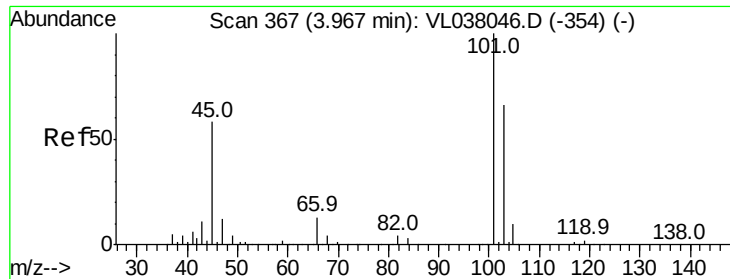
Tgt Ion: 43 Resp: 779707

Ion Ratio Lower Upper

43 100

58 26.1 22.4 33.6





#19

Isopropyl Alcohol

Concen: 14.406 ppbv

RT: 3.97

Delta R.T. MSVOA\_L

Lab File: ClientSampleId :

Acq: 23 Nov 2021 23:49

Tot Ion:

Ion Ratio

45 100

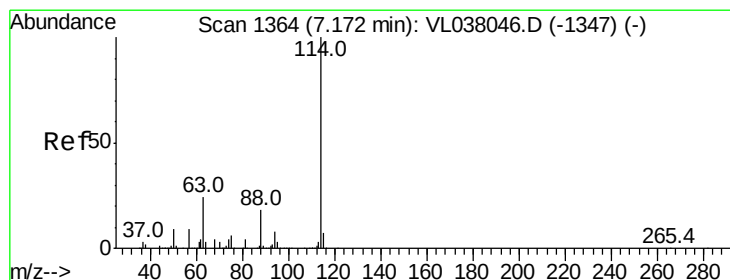
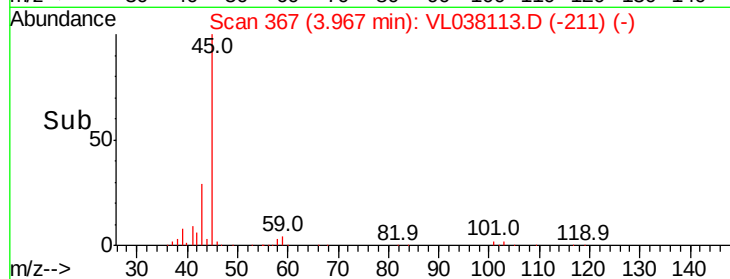
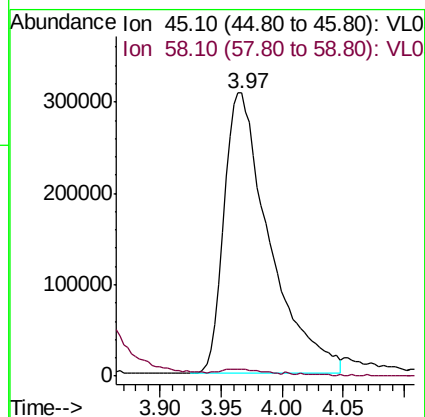
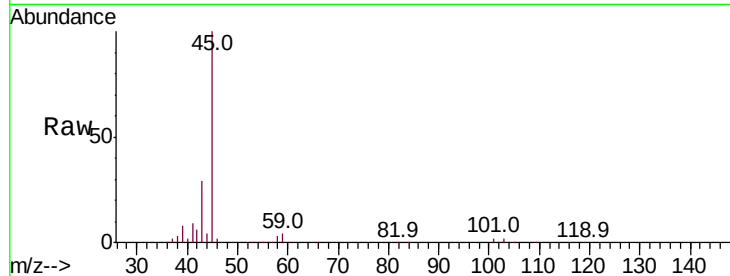
58 3.

Manual Integrations

APPROVED

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: VL038113.D

Acq: 23 Nov 2021 23:49

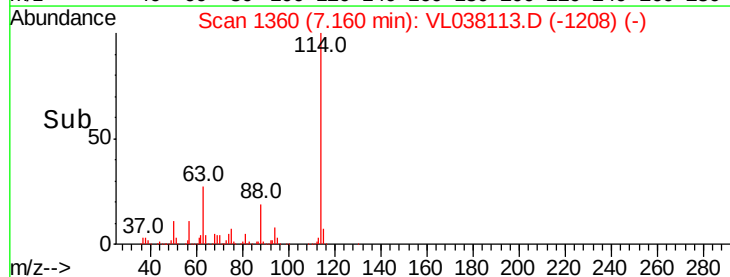
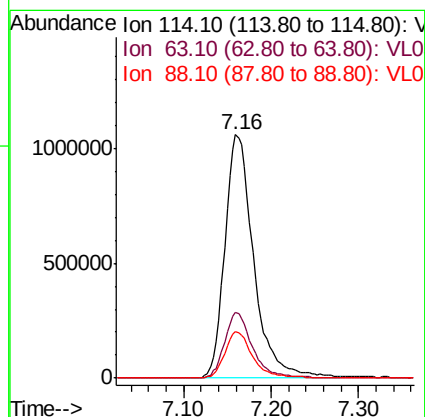
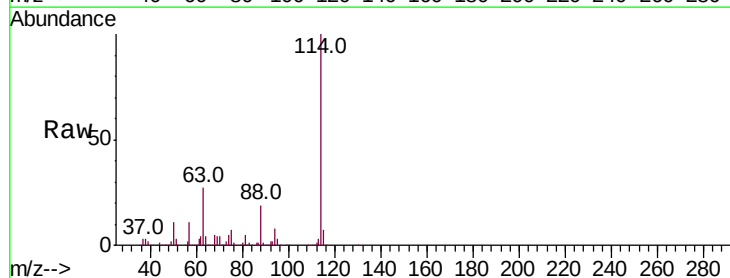
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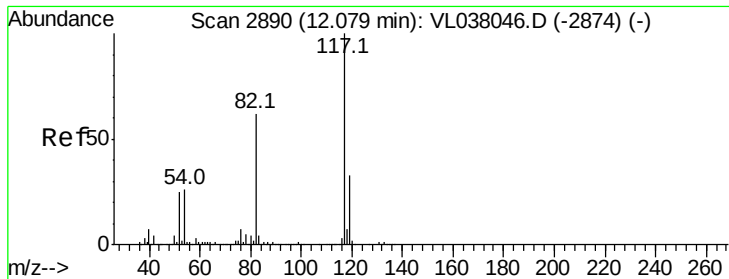
Ion Ratio Lower Upper

114 100

63 26.5 19.7 29.5

88 18.8 14.4 21.6



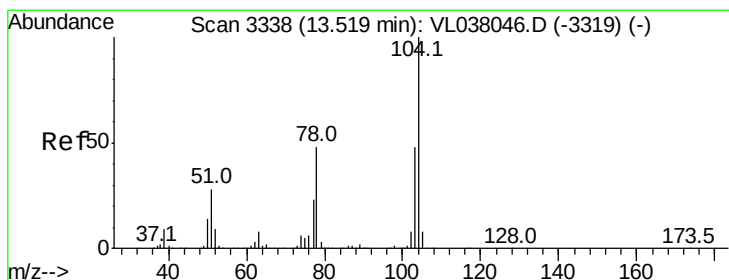
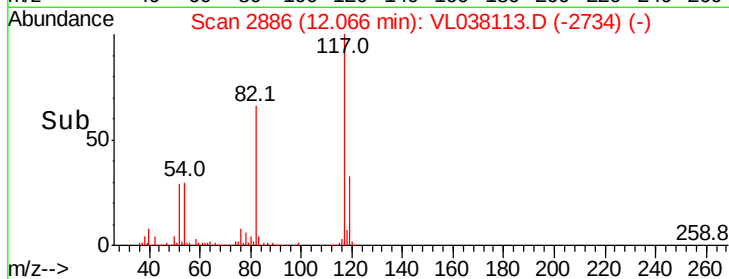
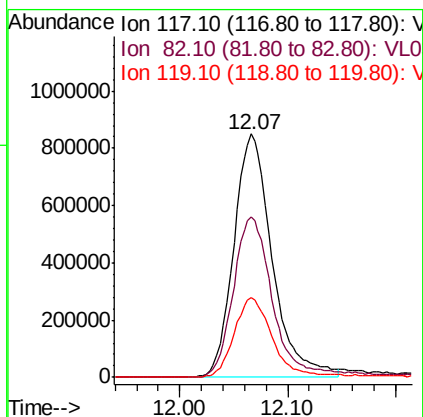
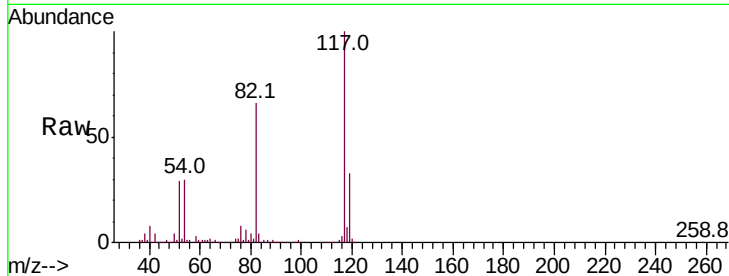


#55  
Chlorobenzene-d5  
Concen: 10.000 ppbv  
RT: 12.07 min  
Delta R.T.: MSVOA\_L  
Lab File: ClientSampleId :  
Acq: 23 Nov 2021 23:49

Tot Ion:1  
Ion Rati  
117 100  
82 70.  
119 34.

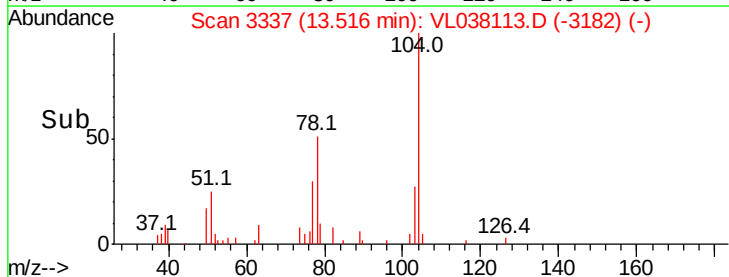
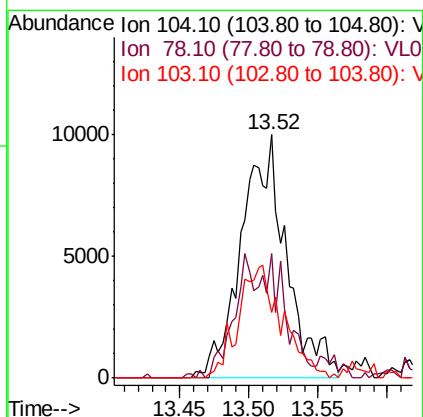
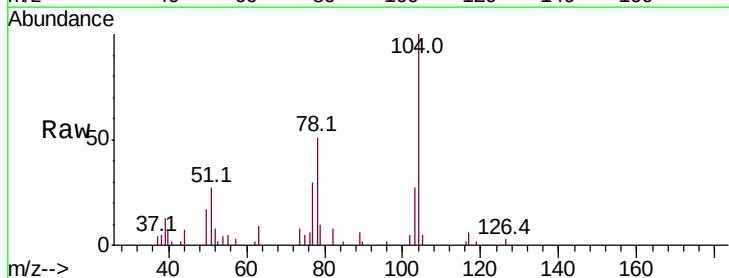
Manual Integrations  
APPROVED

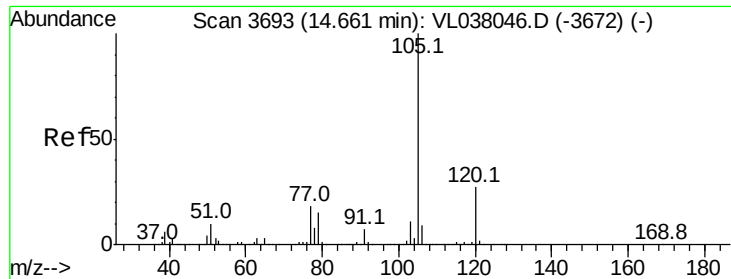
Reviewed By :Semsettin Yesilyurt 11/29/2021  
Supervised By :Mahesh Dadoda 11/29/2021



#61  
Styrene  
Concen: 0.155 ppbv m  
RT: 13.52 min Scan# 3337  
Delta R.T.: -0.00 min  
Lab File: VL038113.D  
Acq: 23 Nov 2021 23:49

Tgt Ion:104 Resp: 22608  
Ion Ratio Lower Upper  
104 100  
78 0.0 39.8 59.6#  
103 0.0 38.2 57.2#





#62

Isopropylbenzene

Concen: 0.205 ppbv m

RT: 14.64

Delta R.T. MSVOA\_L

Lab File: ClientSampleId :

Acq: 23 Nov 2021 23:49

Tot Ion:1

Ion Ratio

105 100

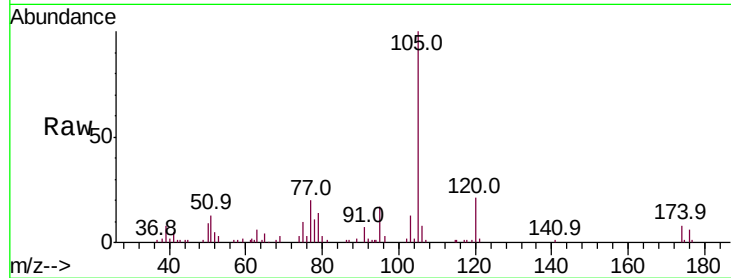
120 0.

Manual Integrations

APPROVED

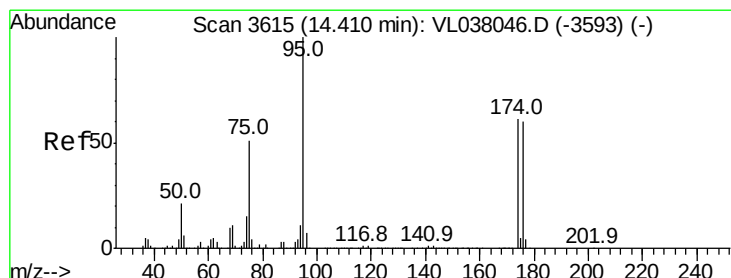
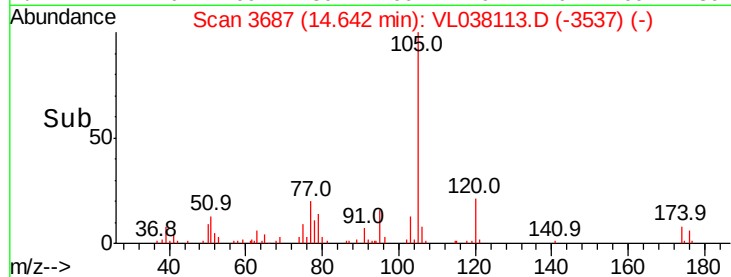
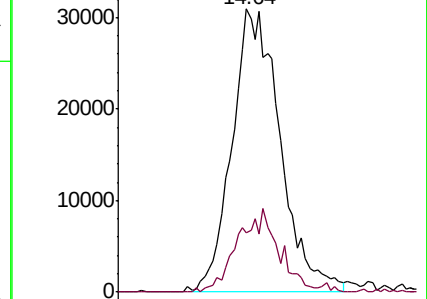
Reviewed By :Semsettin Yesilyurt 11/29/2021

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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 11.038 ppbv

RT: 14.39 min Scan# 3610

Delta R.T. -0.02 min

Lab File: VL038113.D

Acq: 23 Nov 2021 23:49

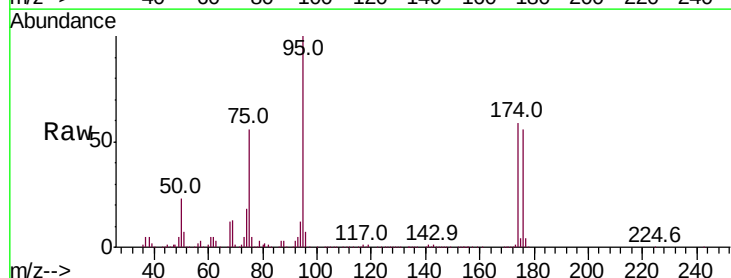
Tgt Ion: 95 Resp: 1677924

Ion Ratio Lower Upper

95 100

174 61.4 53.1 79.7

175 4.5 4.0 6.0



Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

