

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_L\DATA\VL030922\  
 Data File : VL038579.D  
 Acq On : 9 Mar 2022 17:06  
 Operator : SY/AP  
 Sample : N1702-03DL 10X  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 IA-1DL

Manual Integrations  
 APPROVED

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

Quant Time: Mar 10 01:05:10 2022  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_L\METHODS\VL030822A  
 Quant Title : AIR ANALYSIS BY METHOD T0-15 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   | 5.67  | 49   | 901213   | 10.00 | ppbv  | 0.01     |
| 33) 1,4-Difluorobenzene | 7.18  | 114  | 2268055  | 10.00 | ppbv  | 0.02     |
| 55) Chlorobenzene-d5    | 12.09 | 117  | 1962251  | 10.00 | ppbv  | 0.01     |

System Monitoring Compounds

|                             |        |       |          |          |      |        |
|-----------------------------|--------|-------|----------|----------|------|--------|
| 68) 1-Bromo-4-Fluorobenzene | 14.41  | 95    | 1401132  | 9.39     | ppbv | 0.01   |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 93.90% |

| Target Compounds       | R.T. | QIon | Response | Conc  | Units  | Qvalue |
|------------------------|------|------|----------|-------|--------|--------|
| 9) Propene             | 3.03 | 41   | 13691    | 0.24  | ppbv   | 93     |
| 10) Heptane            | 8.13 | 43   | 32768m   | 0.24  | ppbv   |        |
| 13) Ethanol            | 3.62 | 45   | 89828m   | 13.95 | ppbv   |        |
| 15) Acetone            | 3.85 | 43   | 1292350  | 20.33 | ppbv   | 97     |
| 19) Isopropyl Alcohol  | 3.99 | 45   | 40530    | 0.95  | ppbv # | 92     |
| 20) Methylene Chloride | 4.35 | 84   | 90624    | 2.37  | ppbv   | 99     |
| 26) Hexane             | 5.69 | 57   | 751645   | 7.48  | ppbv # | 43     |
| 30) Cyclohexane        | 7.17 | 84   | 12680m   | 0.15  | ppbv   |        |
| 34) 2-Butanone         | 5.26 | 43   | 12999m   | 0.22  | ppbv   |        |
| 53) Toluene            | 9.81 | 91   | 1181514  | 5.41  | ppbv   | 100    |

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

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MSVOA\_L  
ClientSampleId :  
IA-1DL

Manual Integrations  
APPROVED

Quant Time: Mar 10 01:05:10 2022

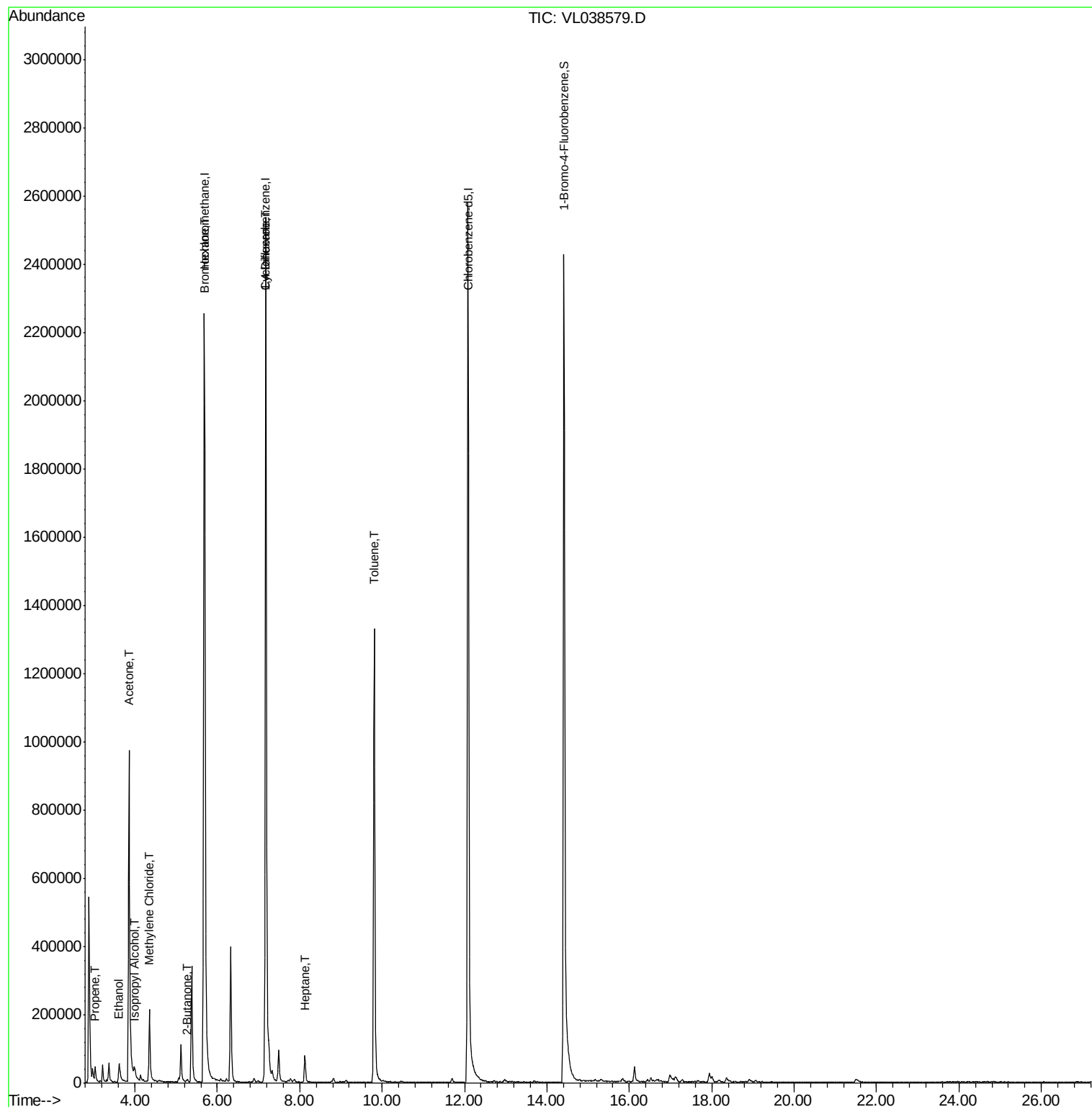
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_L\METHODS\VL030822

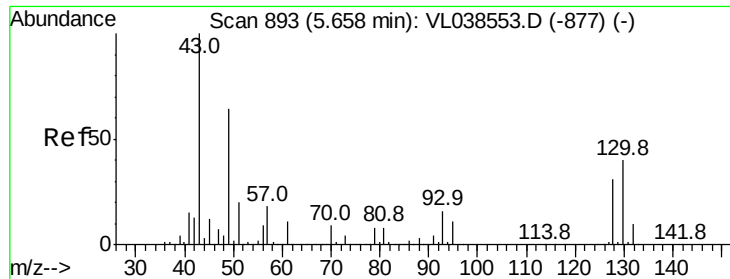
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:

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

Response via : Initial Calibration

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





#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.67 Instrument:

Delta R.T. MSVOA\_L

Lab File: ClientSampleId:

Acq: 9 Mar 2022 17:00

Tgt Ion:

Ion Ratio

49 100

128 51.

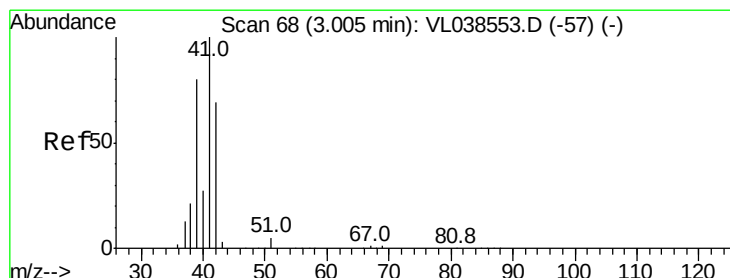
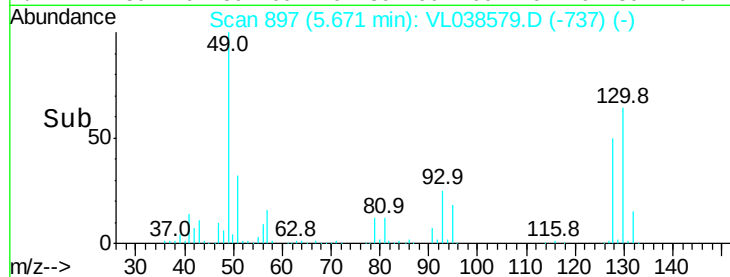
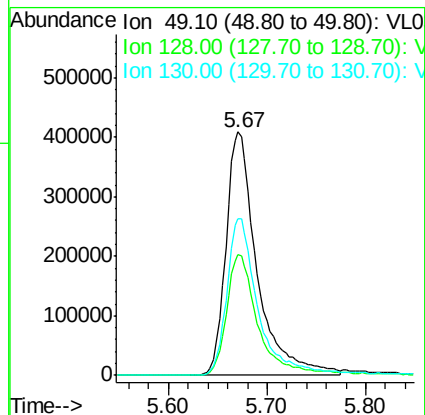
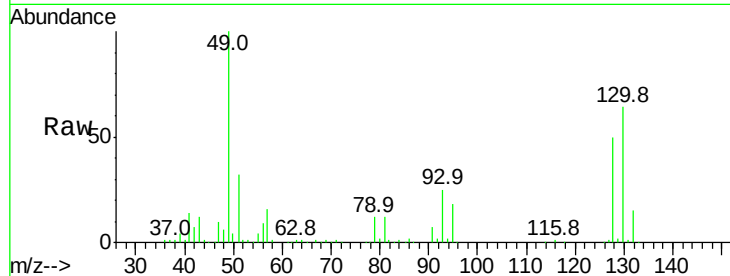
130 65.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/10/2022

Supervised By :Mahesh Dadoda 03/14/2022



#9

Propene

Concen: 0.24 ppbv

RT: 3.03 min Scan# 76

Delta R.T. 0.03 min

Lab File: VL038579.D

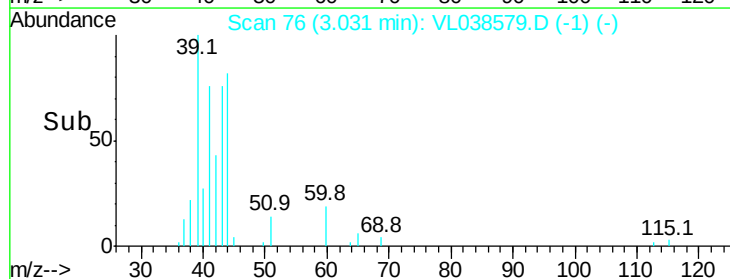
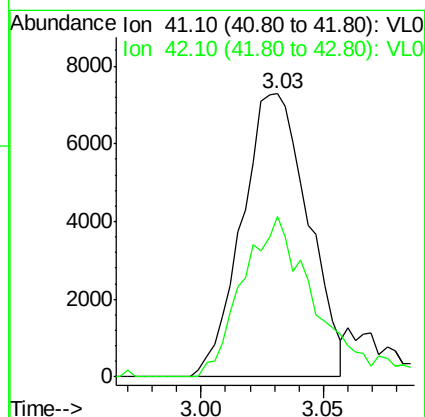
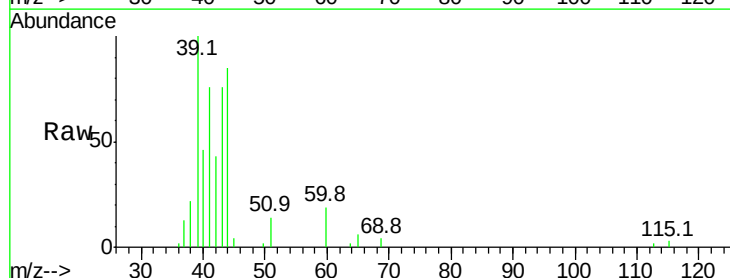
Acq: 9 Mar 2022 17:06

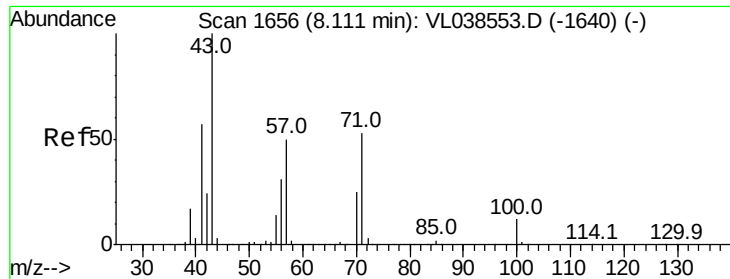
Tgt Ion: 41 Resp: 13691

Ion Ratio Lower Upper

41 100

42 63.6 55.7 83.5





#10

Heptane

Concen: 0.24 ppbv m

RT: 8.13 Instrument:

Delta R.T. MSVOA\_L

Lab File: ClientSampleId:

Acq: 9 Mar 2022 17:00

Tgt Ion:

Ion Ratio

43 100

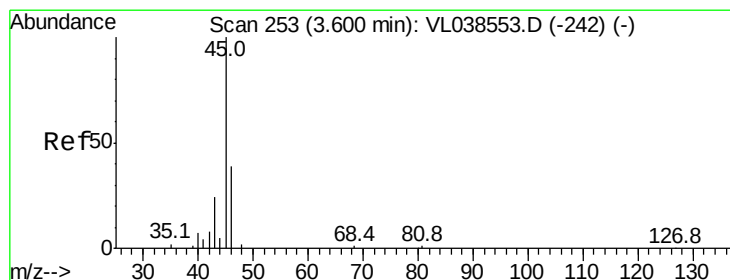
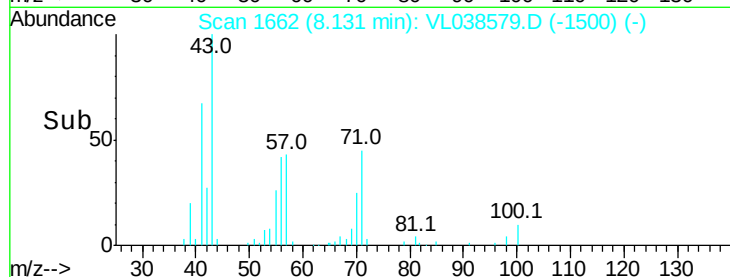
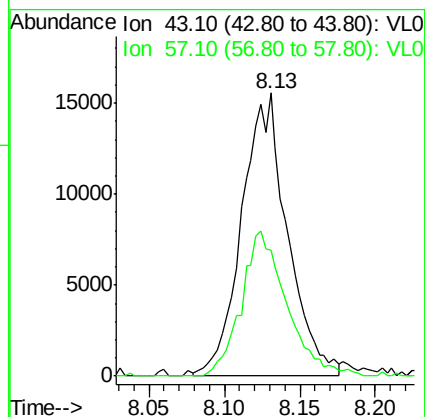
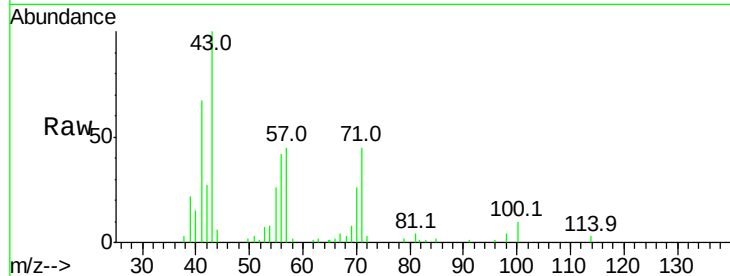
57 0.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 03/10/2022

Supervised By :Mahesh Dadoda 03/14/2022



#13

Ethanol

Concen: 13.95 ppbv m

RT: 3.62 min Scan# 259

Delta R.T. 0.02 min

Lab File: VL038579.D

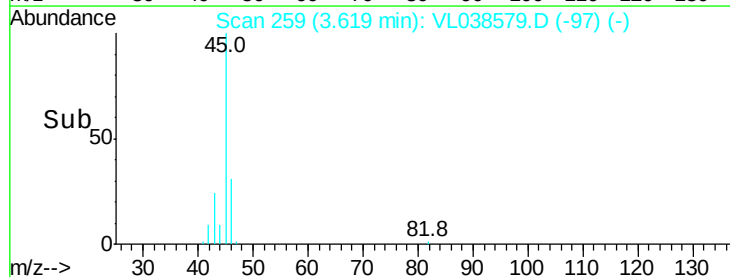
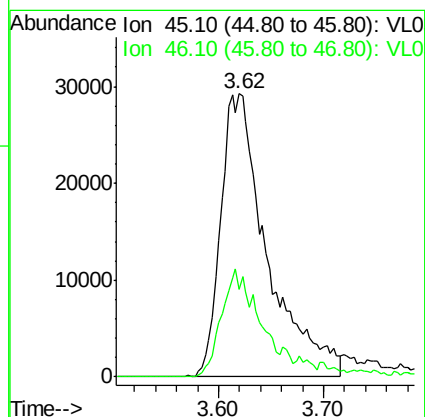
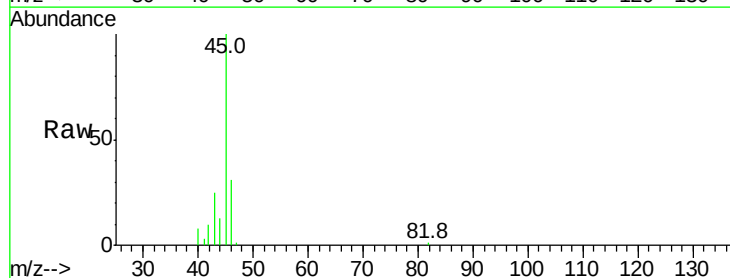
Acq: 9 Mar 2022 17:06

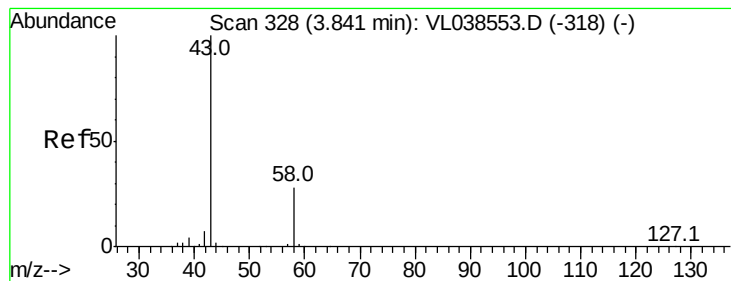
Tgt Ion: 45 Resp: 89828

Ion Ratio Lower Upper

45 100

46 37.4 16.8 67.0





#15

Acetone

Concen: 20.33 ppbv

RT: 3.85

Delta R.T. MSVOA\_L

Lab File: ClientSampleId :

Acq: 9 Mar 2022 17:00

Tgt Ion:

Ion Ratio

43 100

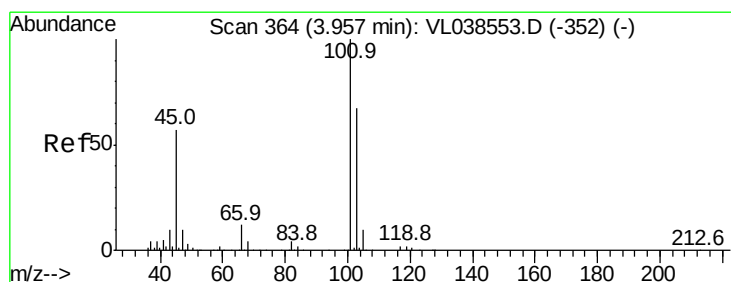
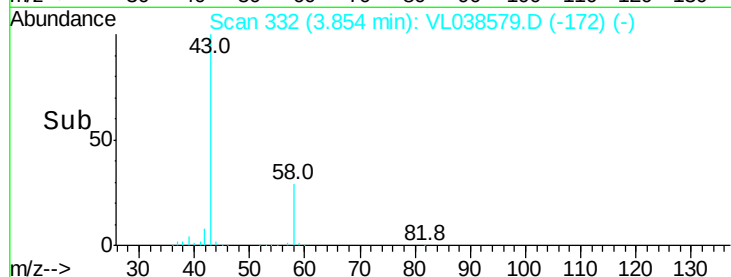
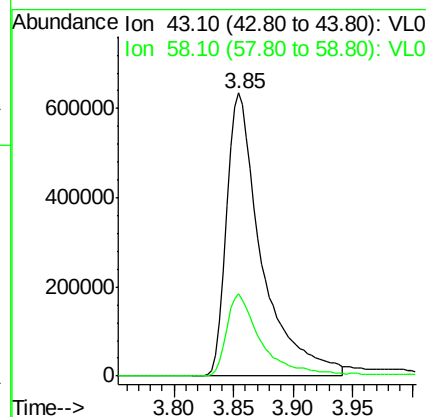
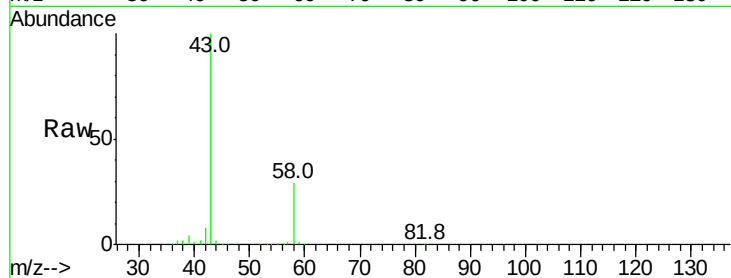
58 30.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/10/2022

Supervised By :Mahesh Dadoda 03/14/2022



#19

Isopropyl Alcohol

Concen: 0.95 ppbv

RT: 3.99 min Scan# 374

Delta R.T. 0.03 min

Lab File: VL038579.D

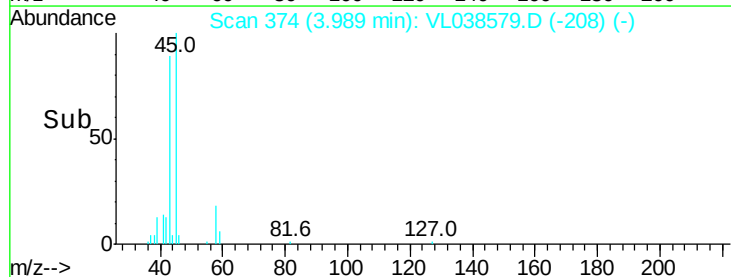
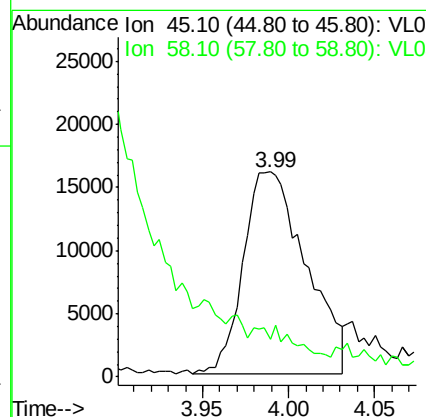
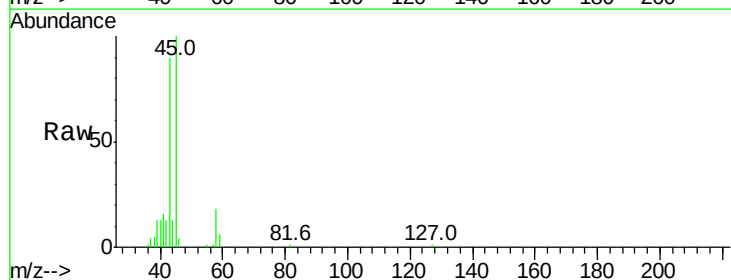
Acq: 9 Mar 2022 17:06

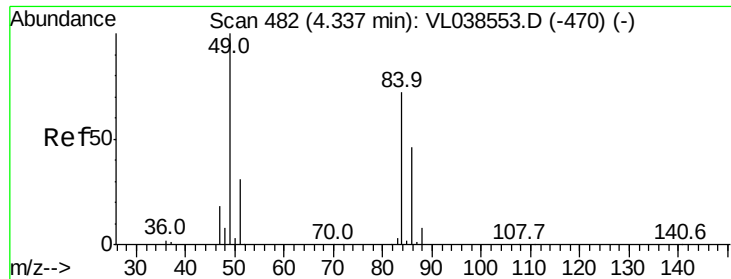
Tgt Ion: 45 Resp: 40530

Ion Ratio Lower Upper

45 100

58 0.0 2.2 3.2#



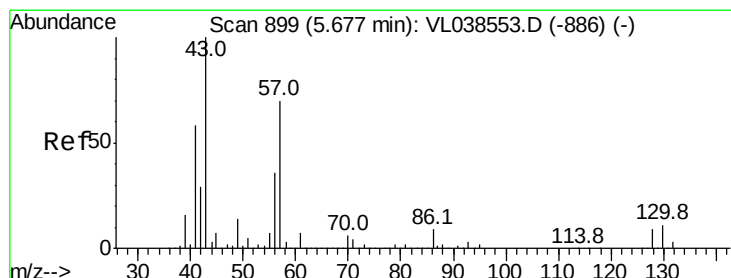
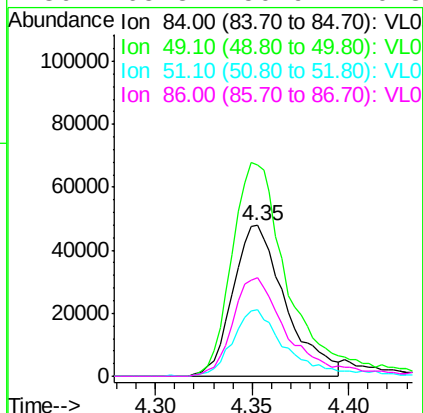
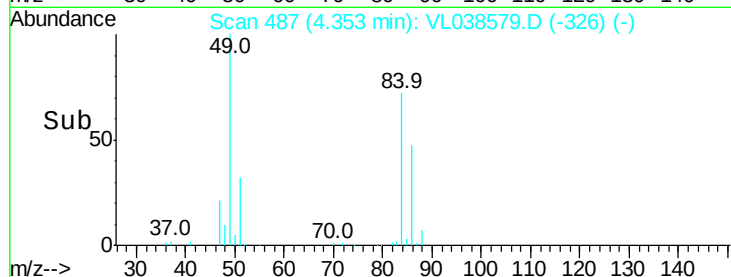
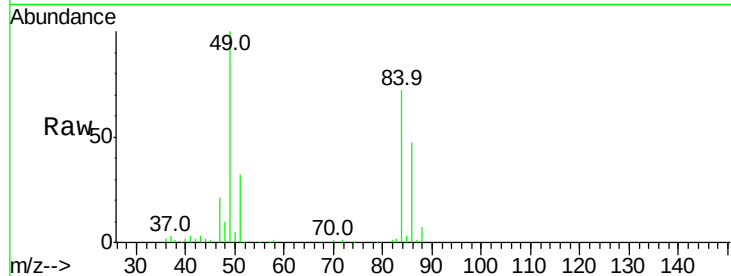


#20  
Methylene Chloride  
Concen: 2.37 ppbv  
RT: 4.35  
Delta R.T. MSVOA\_L  
Lab File: ClientSampleId :  
Acq: 9 Mar 2022 17:00

Tgt Ion: 84.00 (83.70 to 84.70): VL0  
Ion Ratio 100  
49 139.1  
51 44.1  
86 65.3 50.9 76.3

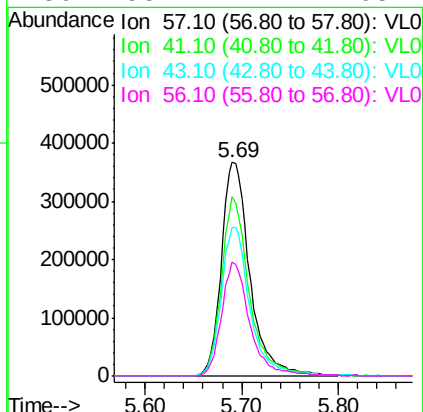
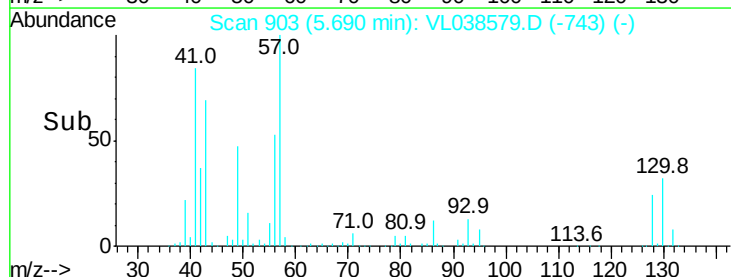
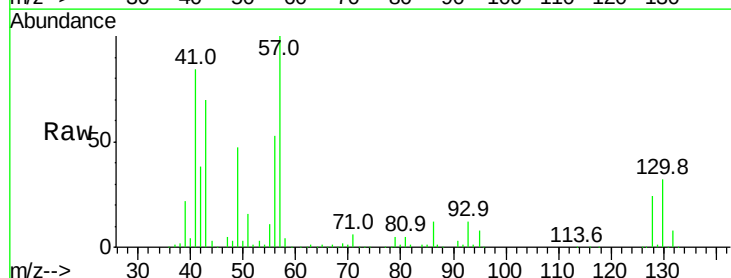
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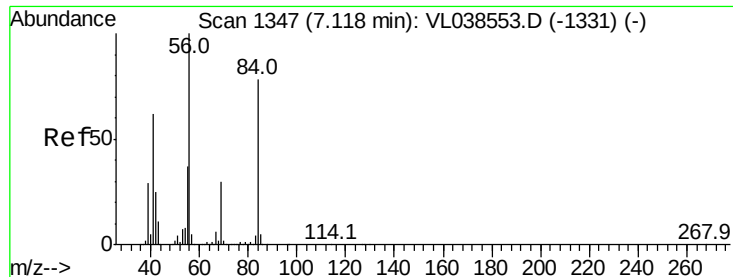
Reviewed By :Semsettin Yesilyurt 03/10/2022  
Supervised By :Mahesh Dadoda 03/14/2022



#26  
Hexane  
Concen: 7.48 ppbv  
RT: 5.69 min Scan# 903  
Delta R.T. 0.01 min  
Lab File: VL038579.D  
Acq: 9 Mar 2022 17:06

Tgt Ion: 57 Resp: 751645  
Ion Ratio Lower Upper  
57 100  
41 82.4 67.8 101.6  
43 70.7 173.6 260.4#  
56 53.1 42.2 63.2



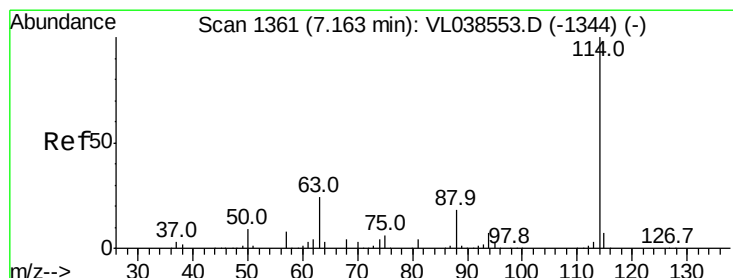
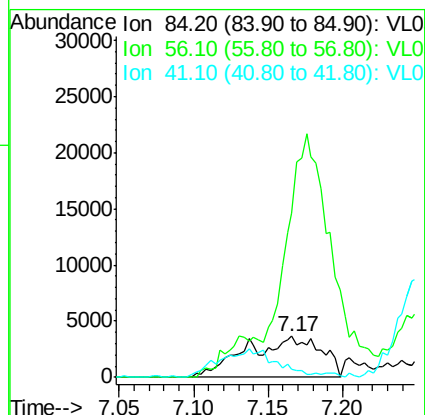
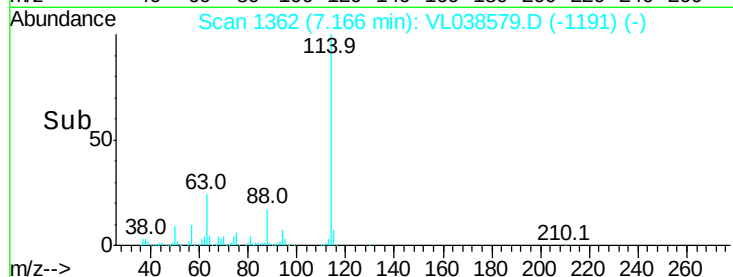
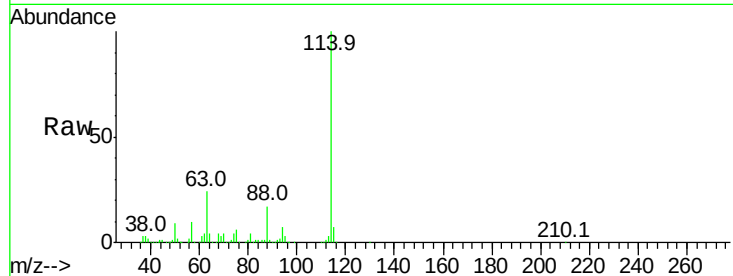


#30  
Cyclohexane  
Concen: 0.15 ppbv m  
RT: 7.17  
Instrument: MSVOA\_1  
Delta R.T.  
Lab File: ClientSampleId :  
Acq: 9 Mar 2022 17:00

Tgt Ion:  
Ion Ratio  
84 100  
56 0.  
41 0.

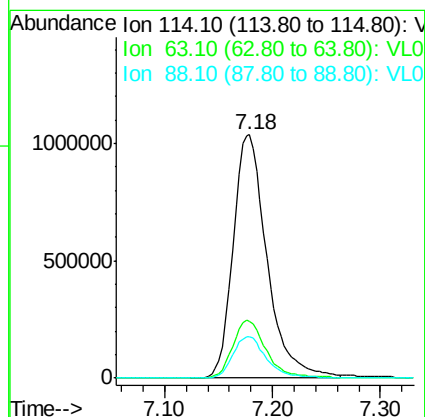
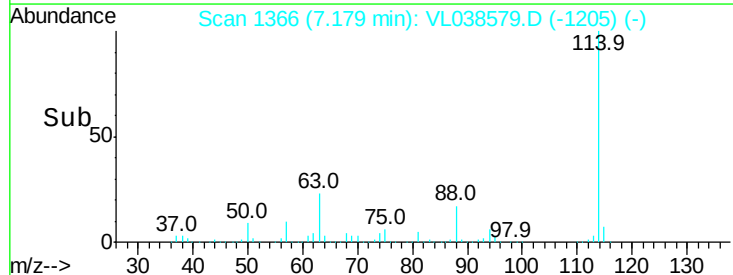
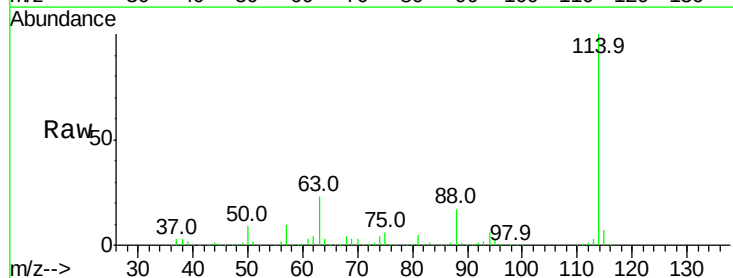
Manual Integrations  
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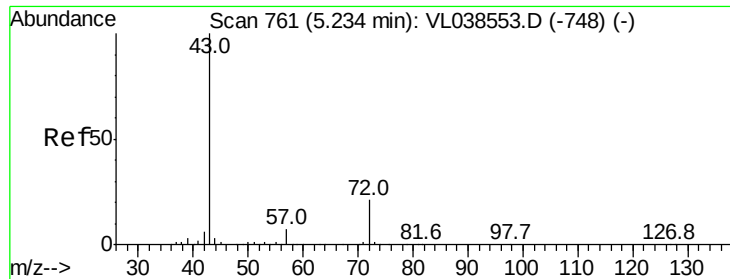
Reviewed By :Semsettin Yesilyurt 03/10/2022  
Supervised By :Mahesh Dadoda 03/14/2022



#33  
1,4-Difluorobenzene  
Concen: 10.00 ppbv  
RT: 7.18 min Scan# 1366  
Delta R.T. 0.02 min  
Lab File: VL038579.D  
Acq: 9 Mar 2022 17:06

Tgt Ion:114 Resp: 2268055  
Ion Ratio Lower Upper  
114 100  
63 24.0 19.6 29.4  
88 17.2 13.9 20.9





#34

2-Butanone

Concen: 0.22 ppbv m

RT: 5.26 Instrument:

Delta R.T. MSVOA\_L

Lab File: ClientSampleId:

Acq: 9 Mar 2022 17:00

Tgt Ion:

Ion Ratio

43 100

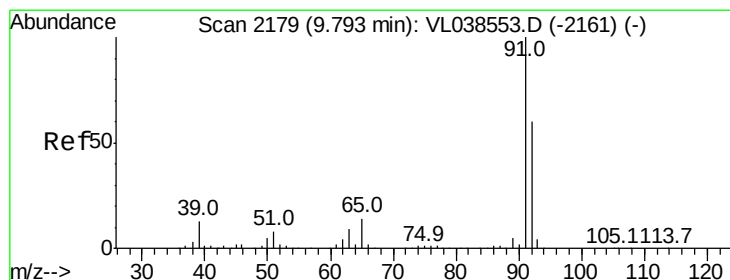
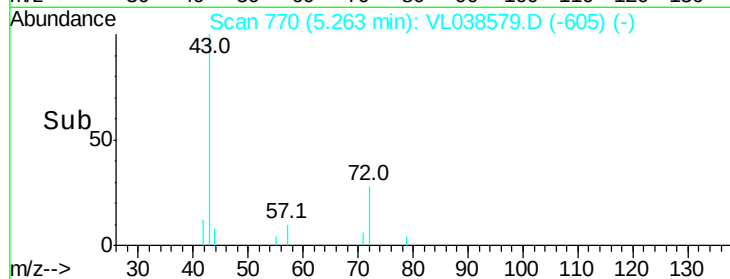
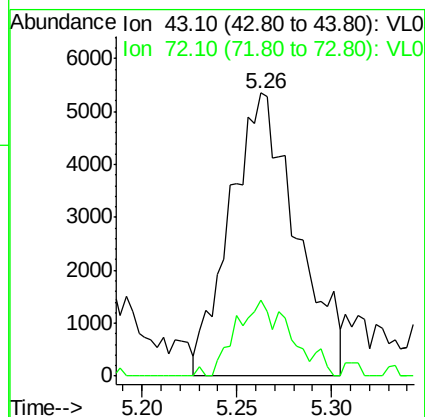
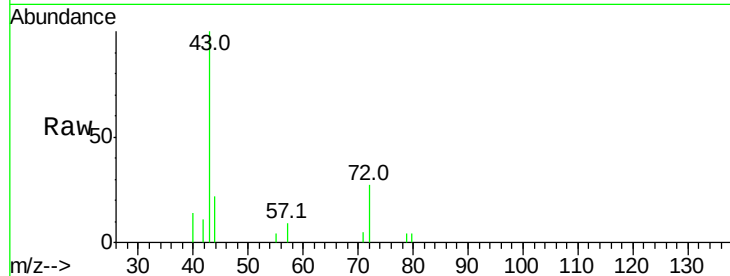
72 9.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/10/2022

Supervised By :Mahesh Dadoda 03/14/2022



#53

Toluene

Concen: 5.41 ppbv

RT: 9.81 min Scan# 2183

Delta R.T. 0.01 min

Lab File: VL038579.D

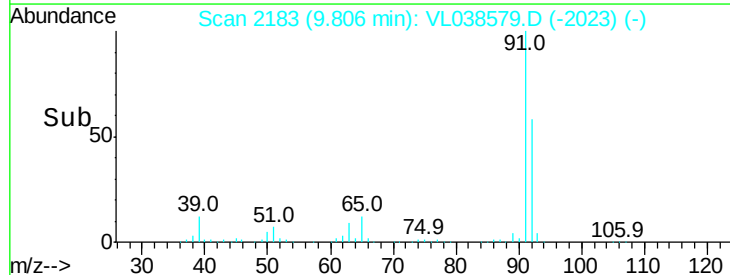
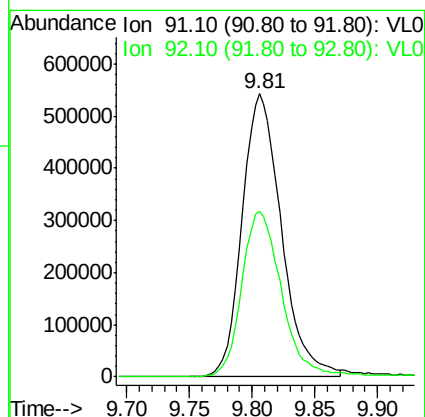
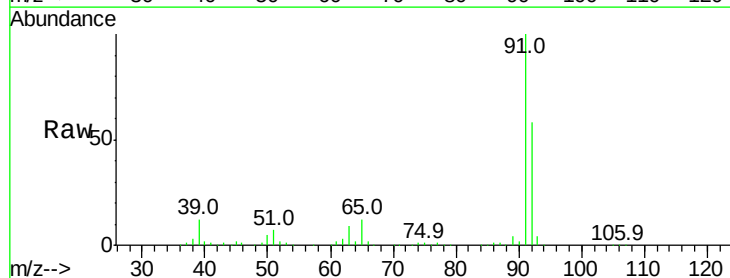
Acq: 9 Mar 2022 17:06

Tgt Ion: 91 Resp: 1181514

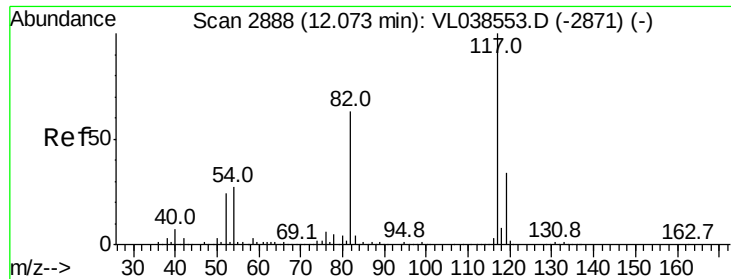
Ion Ratio Lower Upper

91 100

92 60.4 48.1 72.1





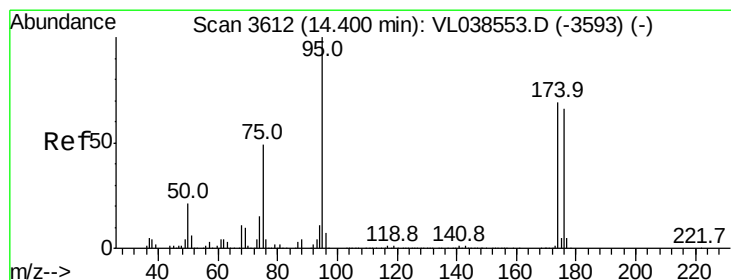
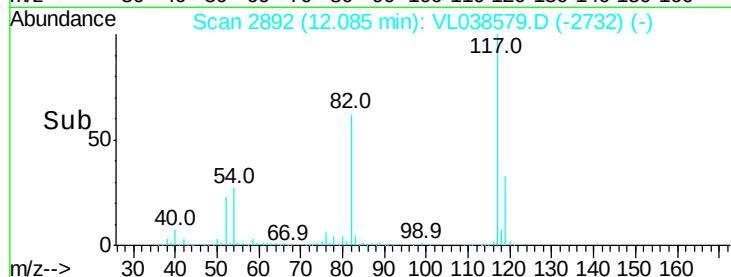
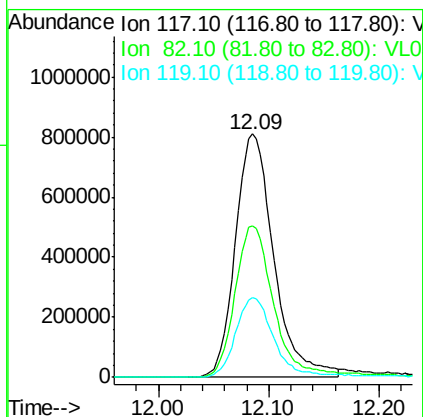
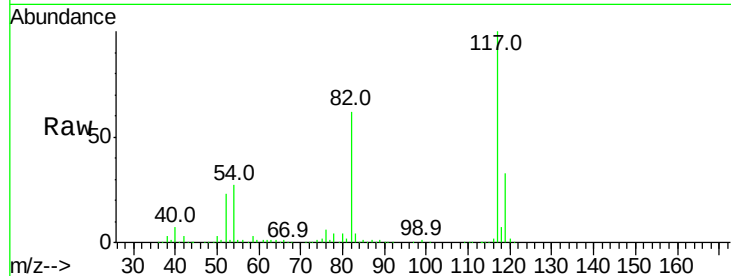


#55  
Chlorobenzene-d5  
Concen: 10.00 ppbv  
RT: 12.09  
Instrument: MSVOA\_1  
Delta R.T.:  
Lab File: ClientSampleId :  
Acq: 9 Mar 2022 17:00

Tgt Ion: 1  
Ion Ratio  
117 100  
82 66.  
119 34.

Manual Integrations  
APPROVED

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



#68  
1-Bromo-4-Fluorobenzene  
Concen: 9.39 ppbv  
RT: 14.41 min Scan# 3616  
Delta R.T. 0.01 min  
Lab File: VL038579.D  
Acq: 9 Mar 2022 17:06

Tgt Ion: 95 Resp: 1401132  
Ion Ratio Lower Upper  
95 100  
174 74.4 56.2 84.4  
175 5.3 4.2 6.2

