

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL032322\
 Data File : VL038739.D
 Acq On : 24 Mar 2022 6:27
 Operator : SY/AP
 Sample : N2051-02DL 5X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 C0P92DL

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 03/24/2022
 Supervised By : Mahesh Dadoda 03/28/2022

Quant Time: Mar 27 16:32:20 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL032122A
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument:
 QLast Update : Mon Mar 21 17:09:26 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	805773	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	2174992	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	1854397	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	1328409	9.34	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	93.40%

Target Compounds

	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.05	85	11467	0.11	ppbv	93
9) Propene	3.02	41	20335	0.49	ppbv	98
13) Ethanol	3.62	45	27860	6.15	ppbv	84
15) Acetone	3.85	43	328016	4.72	ppbv #	88
17) tert-Butyl alcohol	4.32	59	9950m	0.16	ppbv	
19) Isopropyl Alcohol	3.99	45	6239m	0.16	ppbv	
20) Methylene Chloride	4.35	84	29060	0.99	ppbv	98
29) Chloroform	5.75	83	246333	1.96	ppbv	99
34) 2-Butanone	5.25	43	258738	3.01	ppbv	93
51) 2-Hexanone	10.16	43	18063m	0.16	ppbv	
52) Tetrachloroethene	11.21	164	14932m	0.24	ppbv	

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

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Instrument :
MSVOA_L
ClientSampleId :
C0P92DL

Manual Integrations
APPROVED

Quant Time: Mar 27 16:32:20 2022

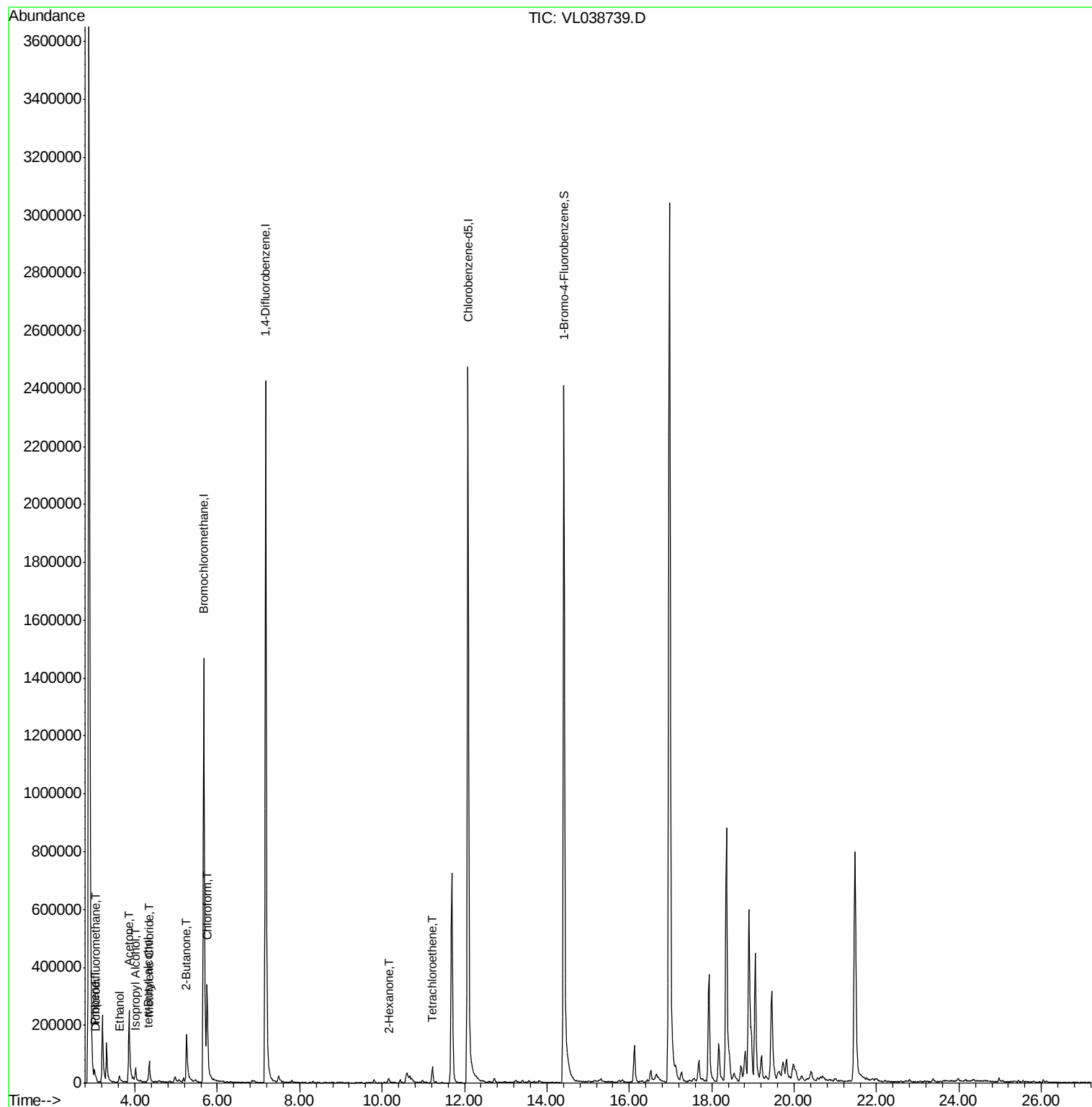
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_L\METHODS\VL032122

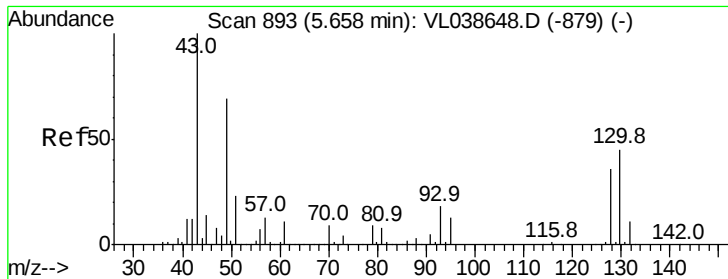
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:

QLast Update : Mon Mar 21 17:09:26 2022

Response via : Initial Calibration

Reviewed By :Semsettin Yesilyurt 03/24/2022
Supervised By :Mahesh Dadoda 03/28/2022





#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.67 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 24 Mar 2022 6:27

Tgt Ion:

Ion Ratio

49 100

128 57.

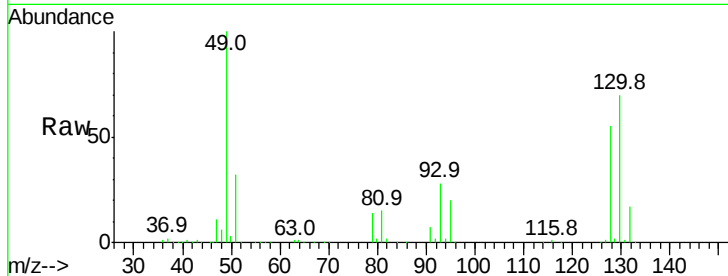
130 74.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 03/24/2022

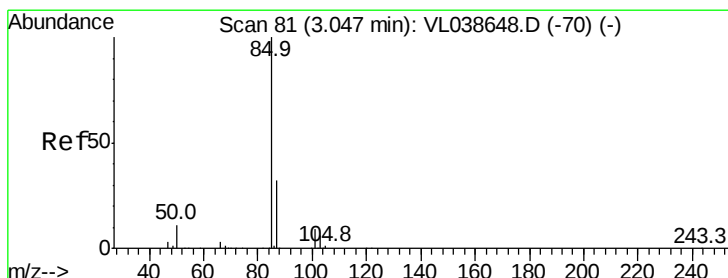
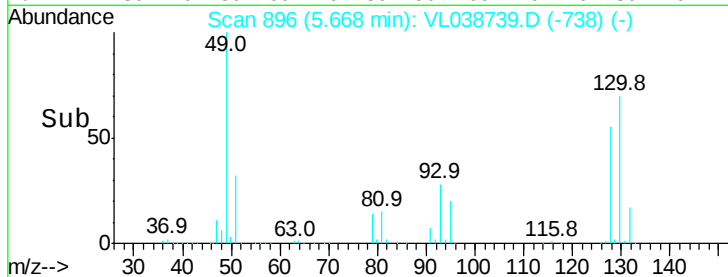
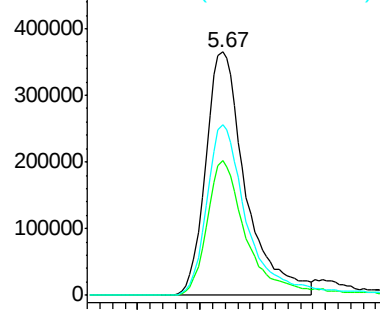
Supervised By :Mahesh Dadoda 03/28/2022



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 0.11 ppbv

RT: 3.05 min Scan# 83

Delta R.T. 0.01 min

Lab File: VL038739.D

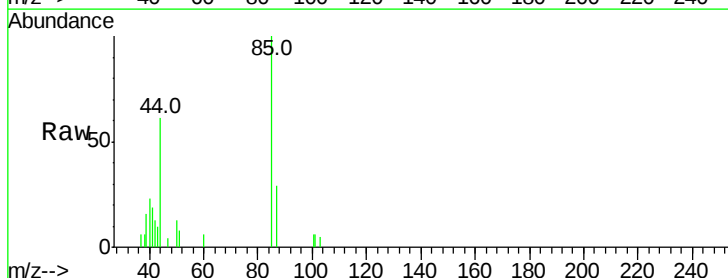
Acq: 24 Mar 2022 6:27

Tgt Ion: 85 Resp: 11467

Ion Ratio Lower Upper

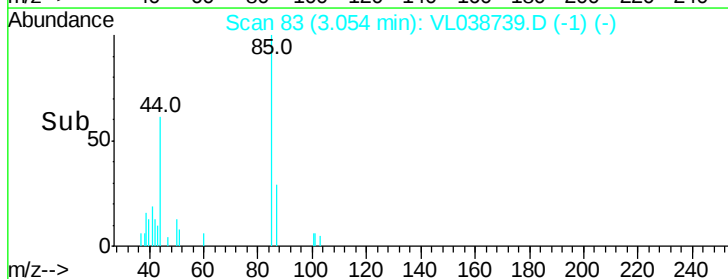
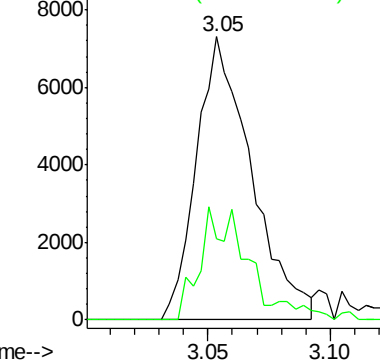
85 100

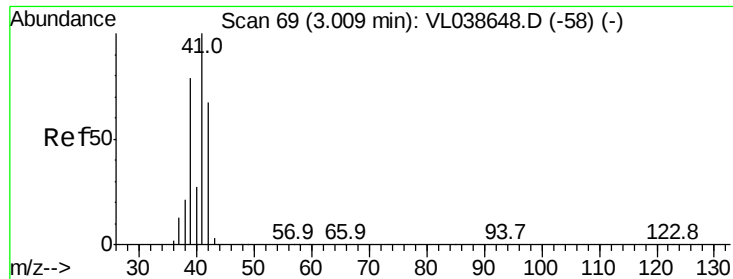
87 28.8 26.0 39.0



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#9

Propene

Concen: 0.49 ppbv

RT: 3.02 Instrument :

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 24 Mar 2022 6:27

Tgt Ion:

Ion Ratio

41 100

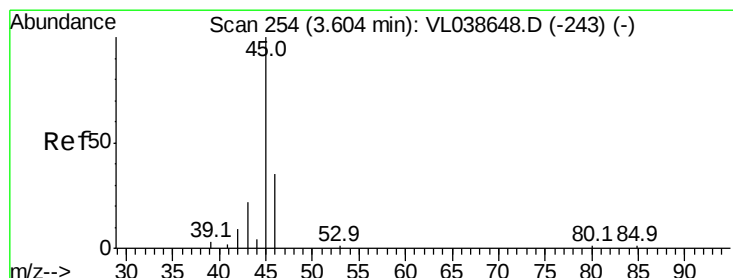
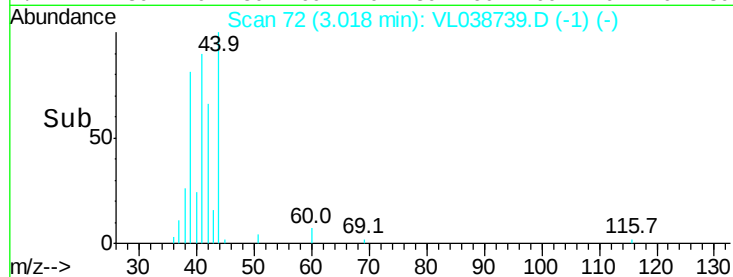
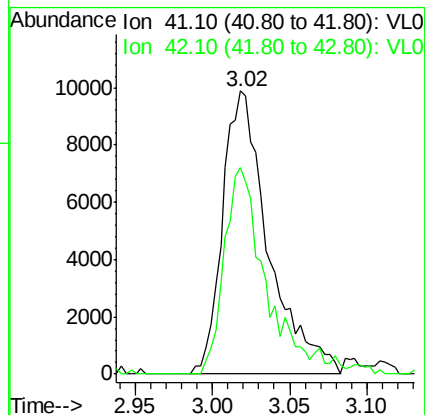
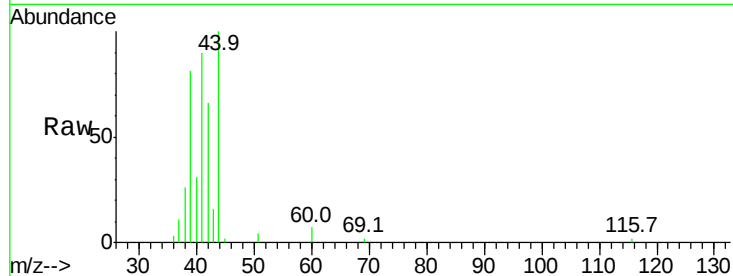
42 68.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 03/24/2022

Supervised By :Mahesh Dadoda 03/28/2022



#13

Ethanol

Concen: 6.15 ppbv

RT: 3.62 min Scan# 259

Delta R.T. 0.02 min

Lab File: VL038739.D

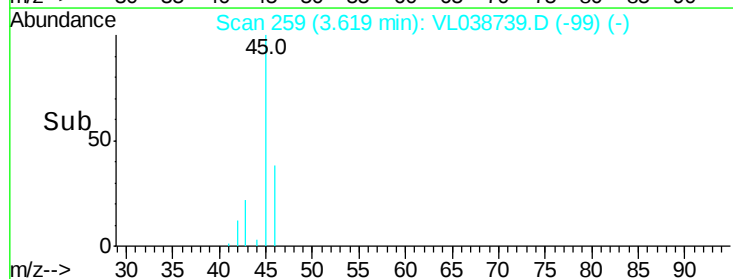
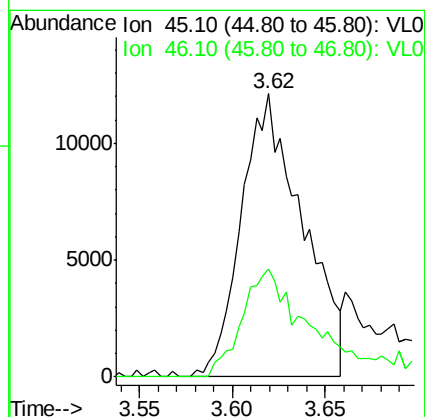
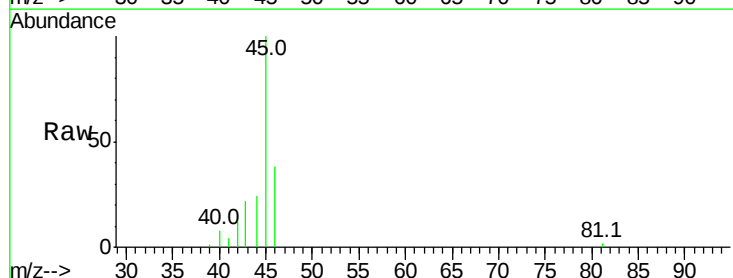
Acq: 24 Mar 2022 6:27

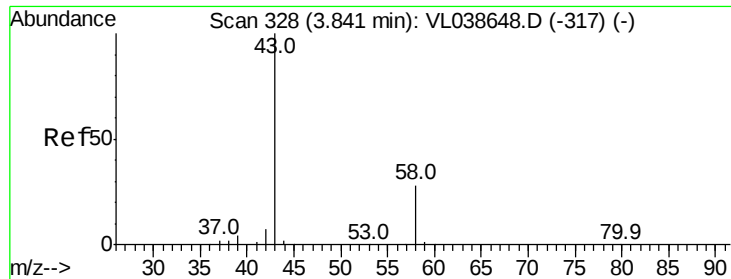
Tgt Ion: 45 Resp: 27860

Ion Ratio Lower Upper

45 100

46 47.4 15.1 60.5



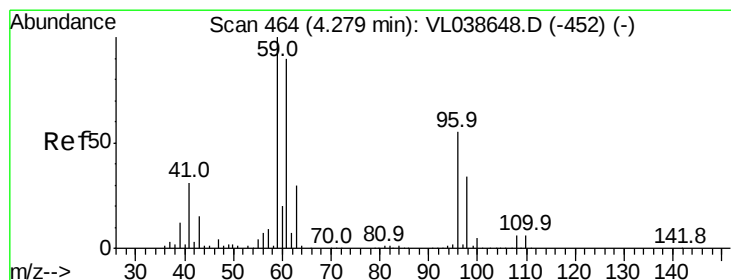
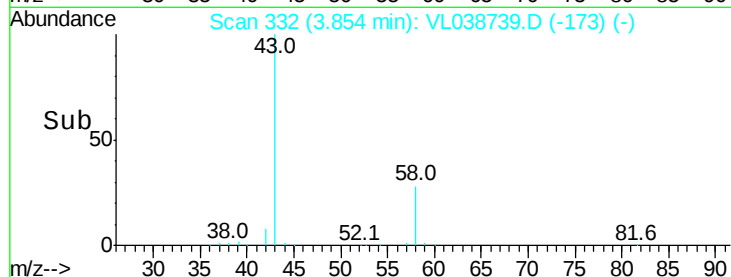
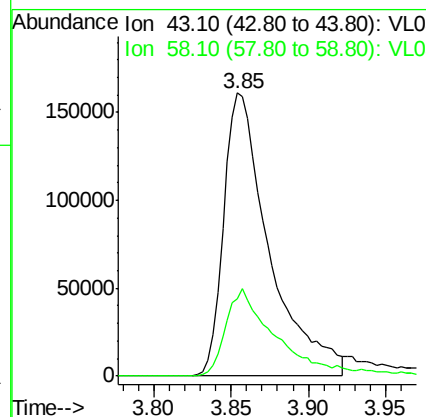
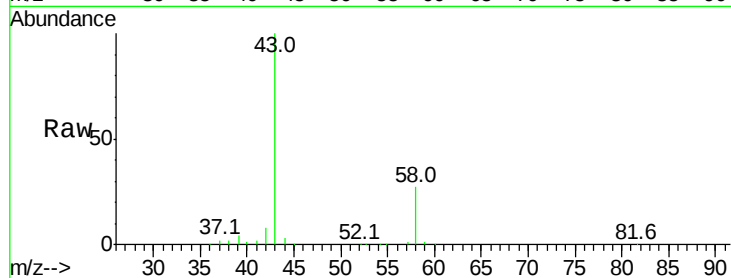


#15
Acetone
Concen: 4.72 ppbv
RT: 3.85
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 24 Mar 2022 6:27

Tgt Ion:
Ion Ratio
43 100
58 35.

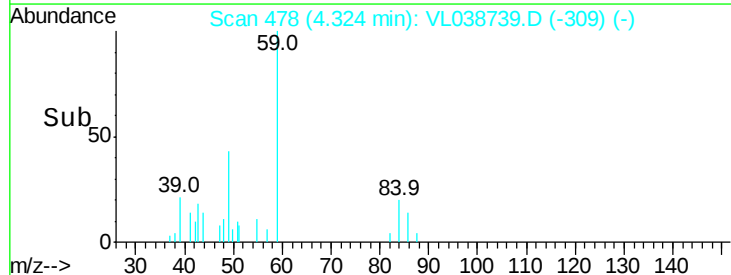
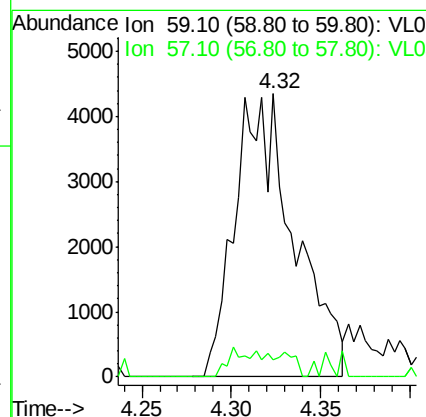
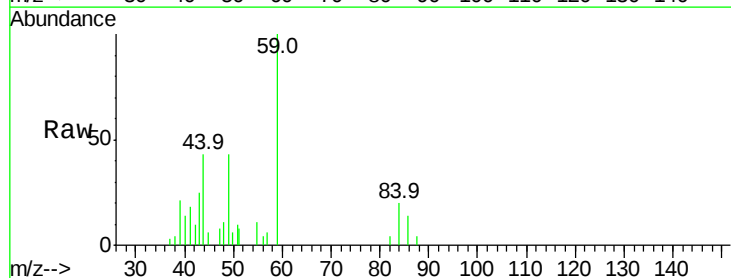
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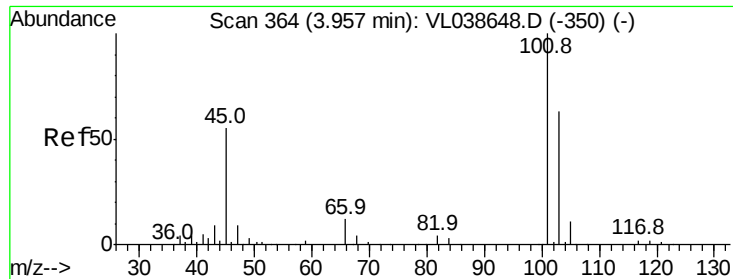
Reviewed By :Semsettin Yesilyurt 03/24/2022
Supervised By :Mahesh Dadoda 03/28/2022



#17
tert-Butyl alcohol
Concen: 0.16 ppbv m
RT: 4.32 min Scan# 478
Delta R.T. 0.04 min
Lab File: VL038739.D
Acq: 24 Mar 2022 6:27

Tgt Ion: 59 Resp: 9950
Ion Ratio Lower Upper
59 100
57 10.8 8.2 12.2





#19

Isopropyl Alcohol

Concen: 0.16 ppbv m

RT: 3.99 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 24 Mar 2022 0:27

Tgt Ion:

Ion Ratio

45 100

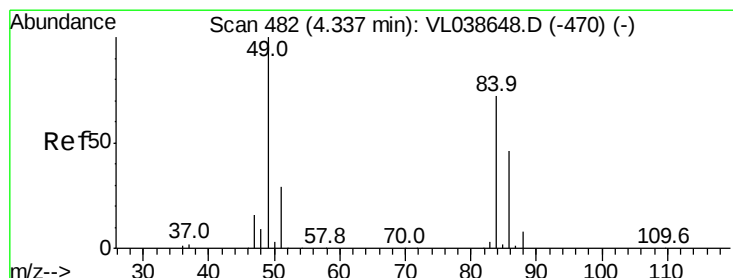
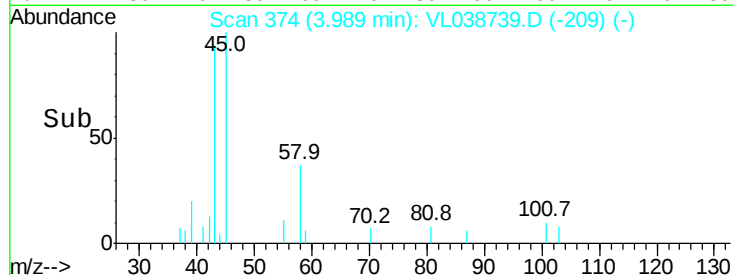
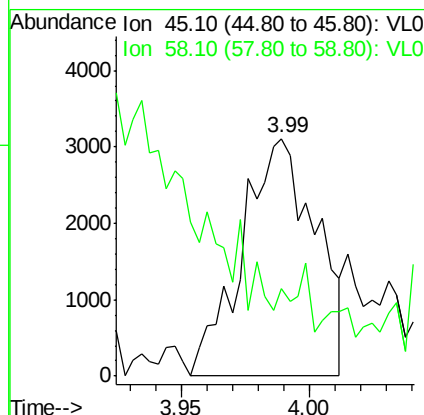
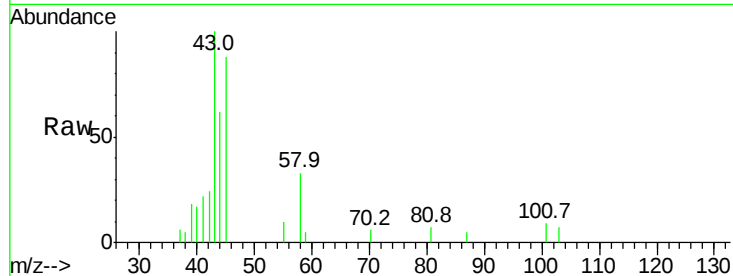
58 0.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 03/24/2022

Supervised By :Mahesh Dadoda 03/28/2022



#20

Methylene Chloride

Concen: 0.99 ppbv

RT: 4.35 min Scan# 485

Delta R.T. 0.01 min

Lab File: VL038739.D

Acq: 24 Mar 2022 6:27

Tgt Ion: 84 Resp: 29060

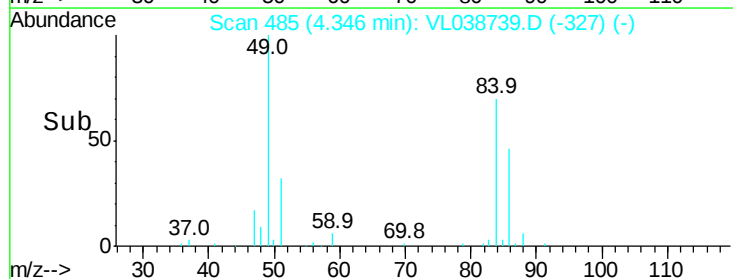
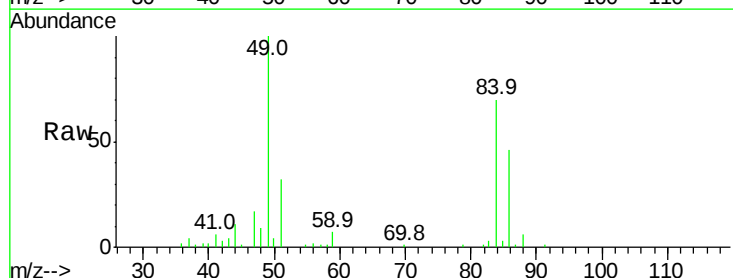
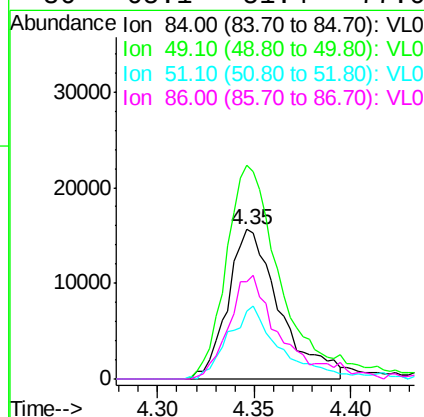
Ion Ratio Lower Upper

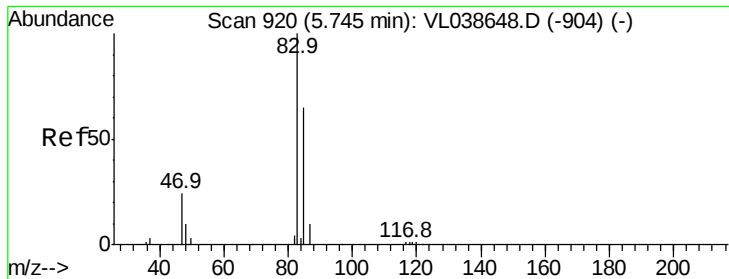
84 100

49 141.8 111.2 166.8

51 43.2 32.8 49.2

86 65.1 51.4 77.0



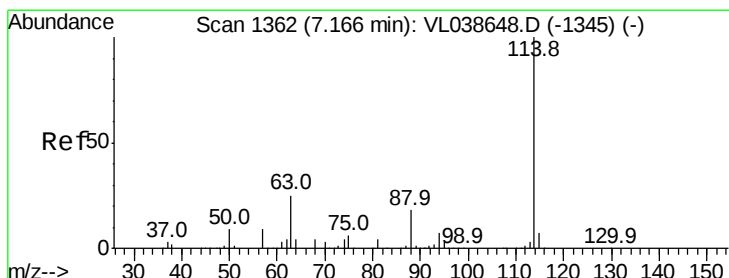
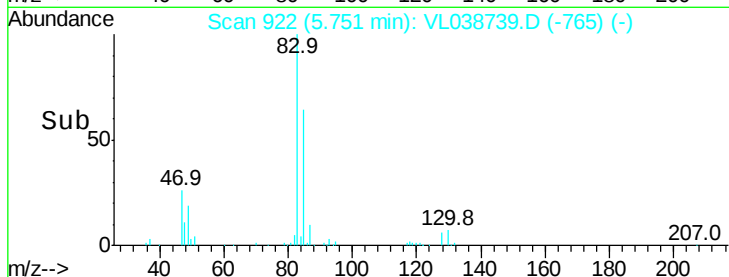
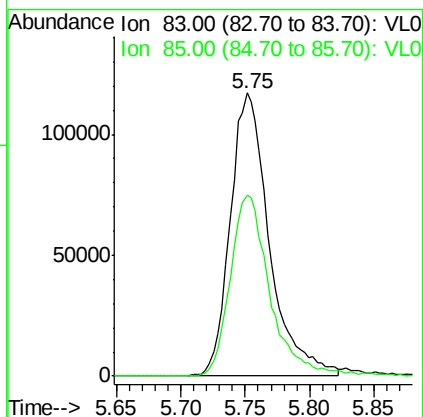
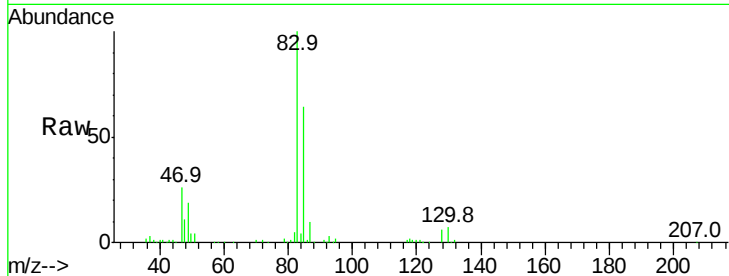


#29
Chloroform
Concen: 1.96 ppbv
RT: 5.75
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
COP92DL
Acq: 24 Mar 2022 6:27

Tgt Ion:
Ion Ratio
83 100
85 64.

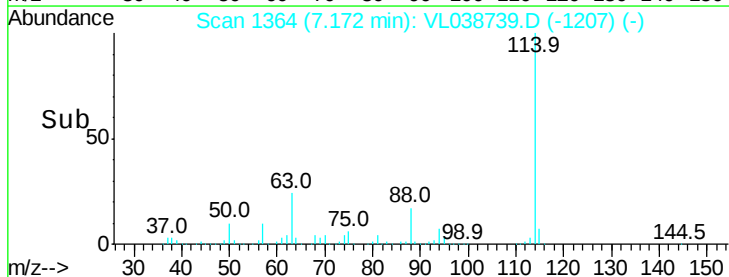
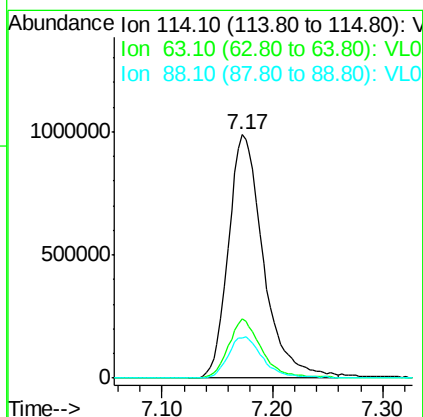
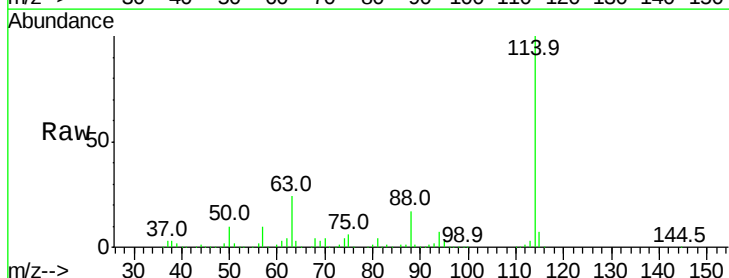
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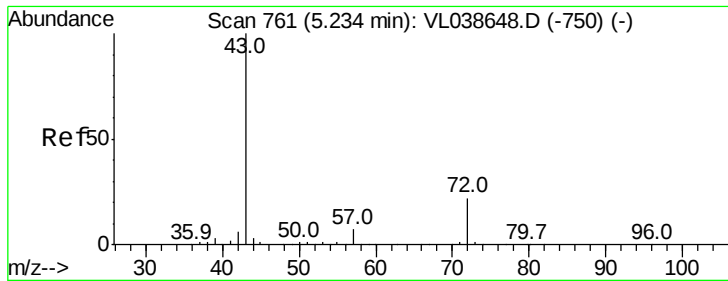
Reviewed By :Semsettin Yesilyurt 03/24/2022
Supervised By :Mahesh Dadoda 03/28/2022



#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 7.17 min Scan# 1364
Delta R.T. 0.01 min
Lab File: VL038739.D
Acq: 24 Mar 2022 6:27

Tgt Ion:114 Resp: 2174992
Ion Ratio Lower Upper
114 100
63 23.5 19.4 29.0
88 17.2 13.9 20.9





#34

2-Butanone

Concen: 3.01 ppbv

RT: 5.25 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

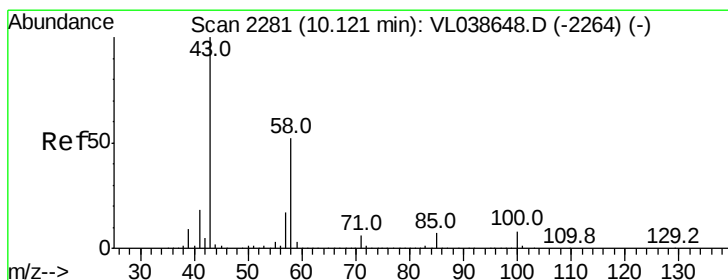
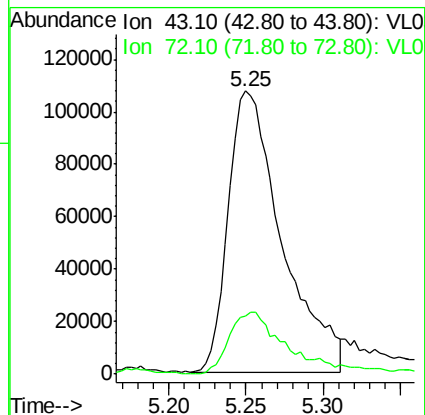
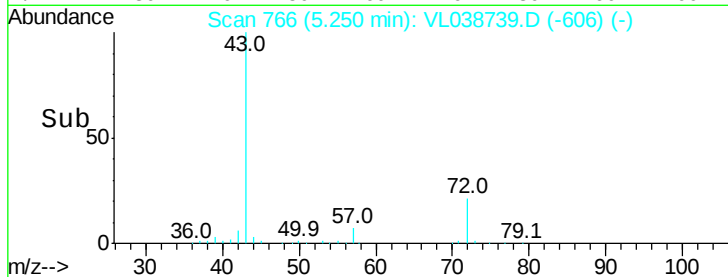
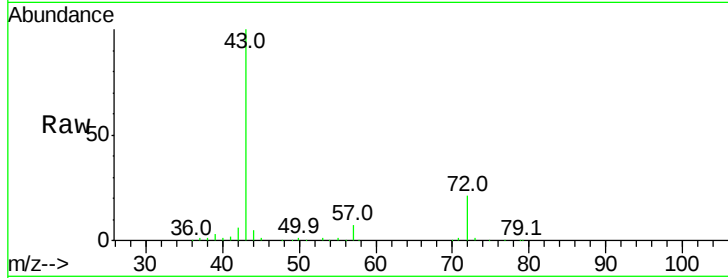
Acq: 24 Mar 2022 0:27

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 03/24/2022

Supervised By :Mahesh Dadoda 03/28/2022



#51

2-Hexanone

Concen: 0.16 ppbv m

RT: 10.16 min Scan# 2293

Delta R.T. 0.04 min

Lab File: VL038739.D

Acq: 24 Mar 2022 6:27

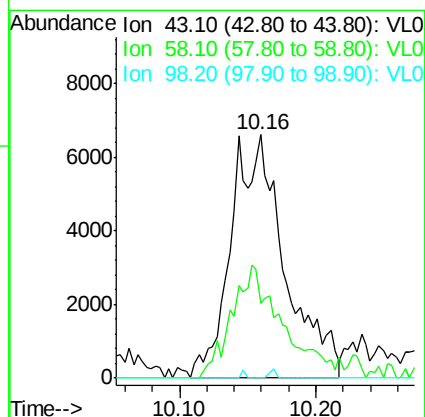
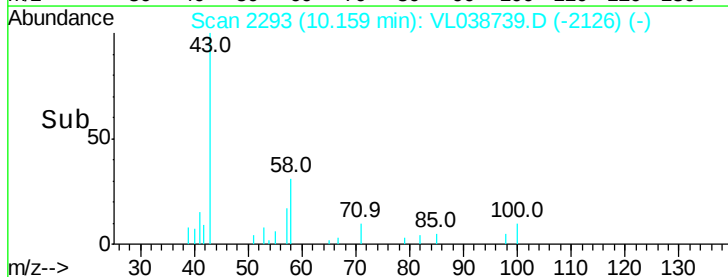
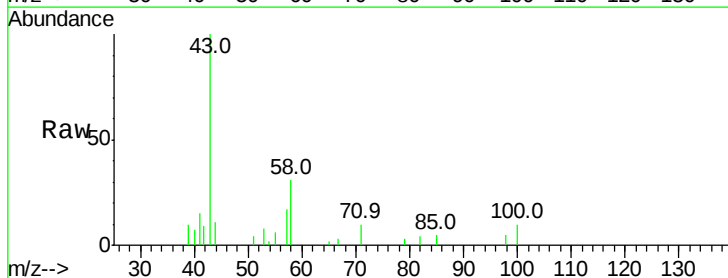
Tgt Ion: 43 Resp: 18063

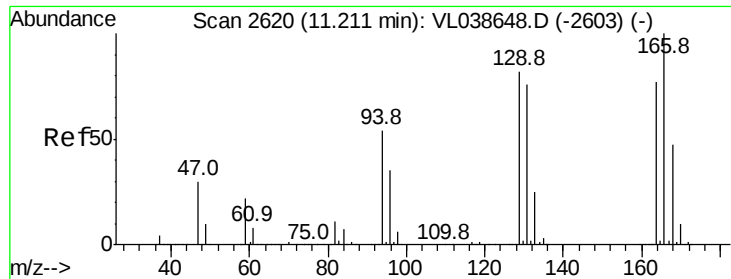
Ion Ratio Lower Upper

43 100

58 0.0 41.2 61.8#

98 0.0 0.2 0.4#





#52

Tetrachloroethene

Concen: 0.24 ppbv m

RT: 11.21

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 24 Mar 2022 0.27

Tgt Ion:1

Ion Ratio

164 100

166 125.

129 80.

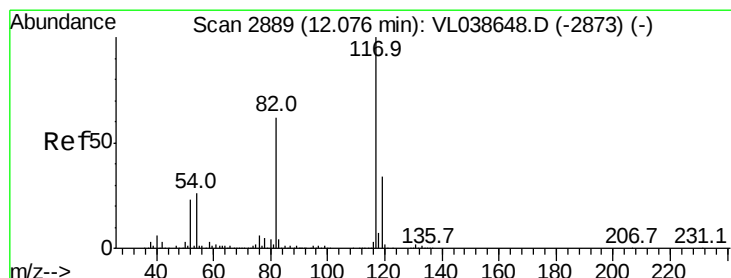
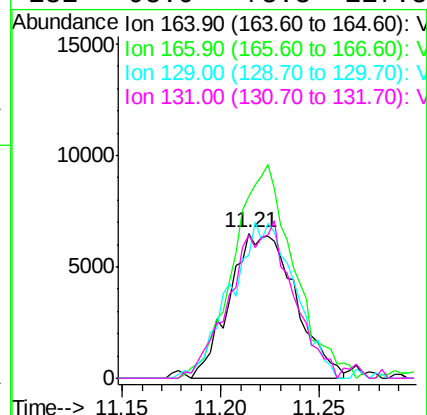
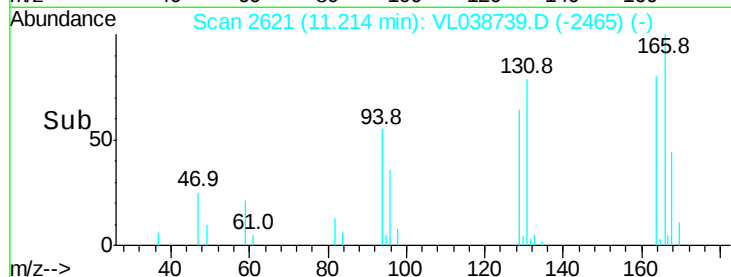
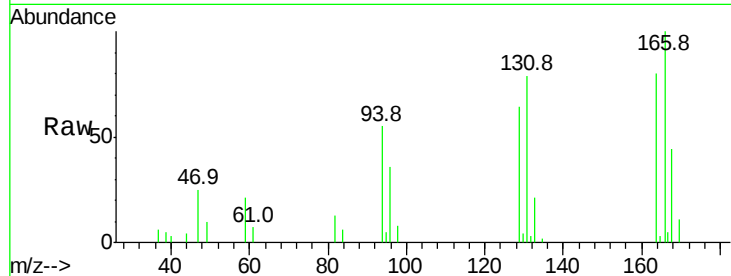
131 98.9

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 03/24/2022

Supervised By :Mahesh Dadoda 03/28/2022



#55

Chlorobenzene-d5

Concen: 10.00 ppbv

RT: 12.08 min Scan# 2891

Delta R.T. 0.01 min

Lab File: VL038739.D

Acq: 24 Mar 2022 6:27

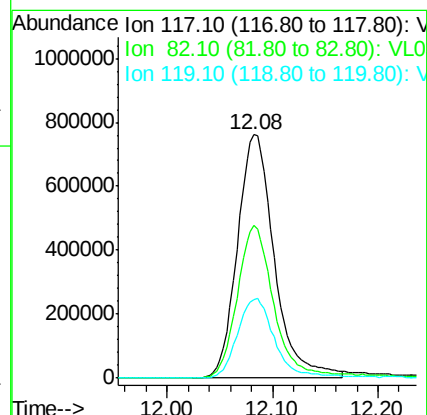
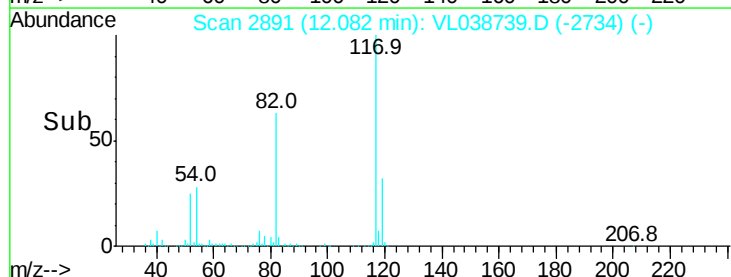
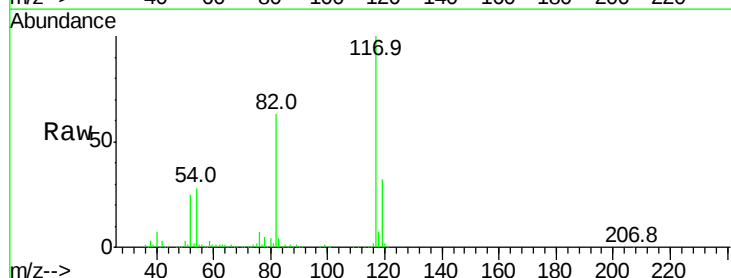
Tgt Ion:117 Resp: 1854397

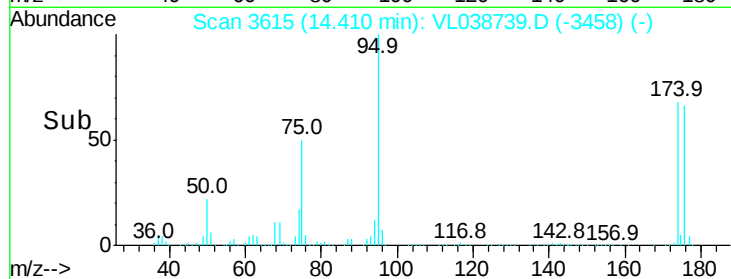
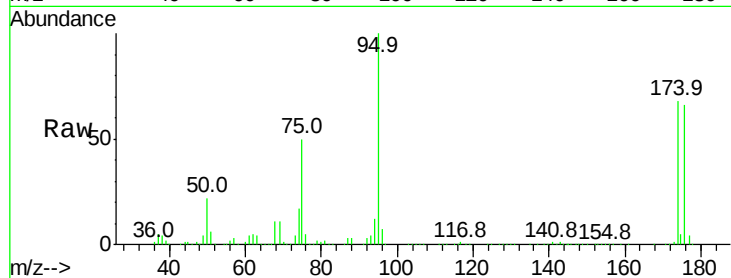
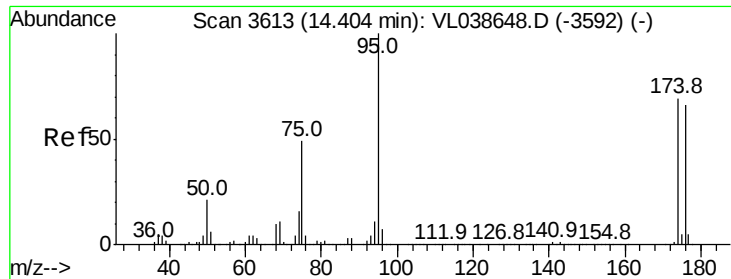
Ion Ratio Lower Upper

117 100

82 65.1 51.6 77.4

119 34.0 26.9 40.3





#68

1-Bromo-4-Fluorobenzene

Concen: 9.34 ppbv

RT: 14.41

Delta R.T: MSVOA_L

Lab File: ClientSampleId :

Acq: 24 Mar 2022 08:27

Tgt Ion:

Ion Ratio

95 100

174 73.

175 5.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 03/24/2022

Supervised By :Mahesh Dadoda 03/28/2022

