

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL032322\
 Data File : VL038732.D
 Acq On : 24 Mar 2022 1:49
 Operator : SY/AP
 Sample : N2049-02
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 C0P98

Manual Integrations
 APPROVED

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

Quant Time: Mar 24 06:36:33 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	5.66	49	738785	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	1967990	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	1714632	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	1225678	9.32	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	93.20%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.05	85	31073	0.31	ppbv	97
3) Chlorodifluoromethane	2.99	51	26320	0.34	ppbv	96
4) Chloromethane	3.14	50	6587m	0.15	ppbv	
9) Propene	3.01	41	42767	1.14	ppbv	97
11) Trichlorofluoromethane	3.95	101	22919	0.26	ppbv	95
13) Ethanol	3.60	45	114132	27.47	ppbv	93
15) Acetone	3.84	43	901785	14.15	ppbv #	87
17) tert-Butyl alcohol	4.29	59	29071	0.52	ppbv #	92
19) Isopropyl Alcohol	3.97	45	28240m	0.80	ppbv	
20) Methylene Chloride	4.34	84	102976	3.84	ppbv	95
26) Hexane	5.68	57	66195	0.92	ppbv #	38
34) 2-Butanone	5.24	43	829842	10.65	ppbv	94
35) Carbon Tetrachloride	7.01	117	7499m	0.07	ppbv	
36) Benzene	6.88	78	21230	0.14	ppbv #	90
51) 2-Hexanone	10.14	43	54885	0.53	ppbv #	99
52) Tetrachloroethene	11.22	164	5137m	0.09	ppbv	
53) Toluene	9.80	91	45117	0.28	ppbv	96
59) m/p-Xylene	12.96	91	19411m	0.11	ppbv	

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

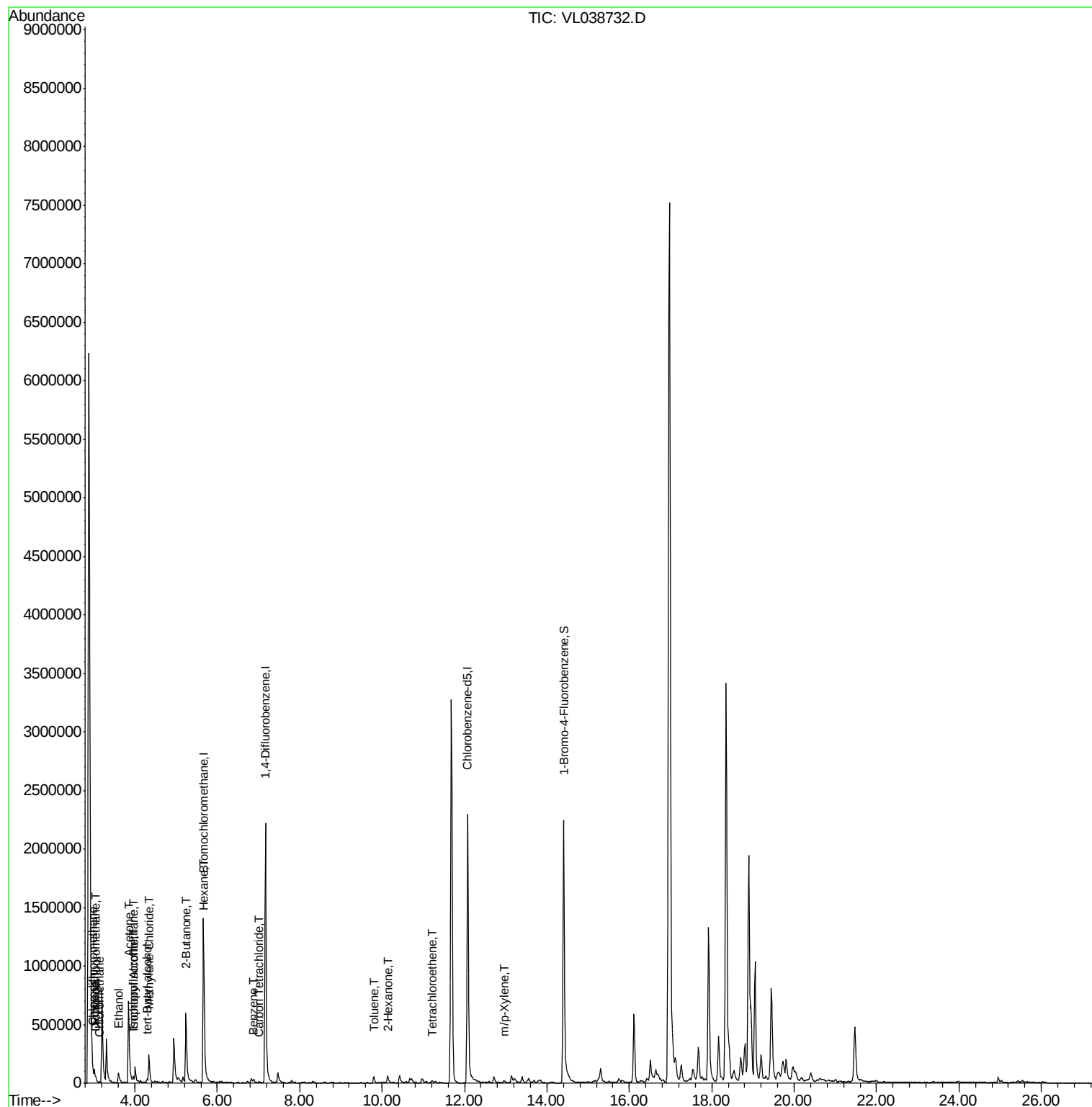
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_L\DATA\VL032322\
Data File : VL038732.D
Acq On : 24 Mar 2022 1:49
Operator : SY/AP
Sample : N2049-02
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

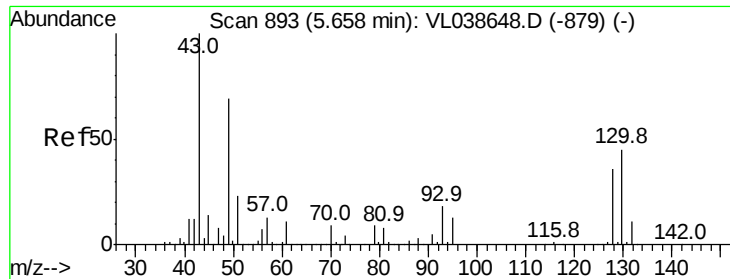
Instrument :
MSVOA_L
ClientSampleId :
C0P98

Manual Integrations
APPROVED

Quant Time: Mar 24 06:36:33 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: 5.66 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 24 Mar 2022 1:49

Tgt Ion:

Ion Ratio

49 100

128 56.

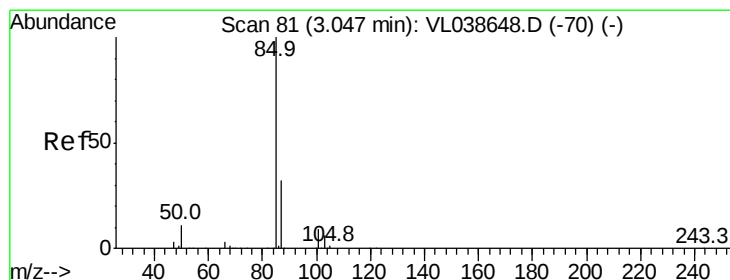
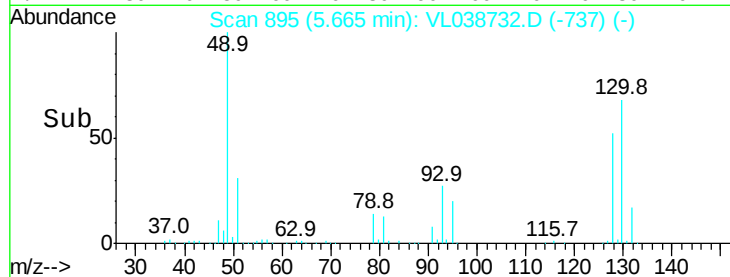
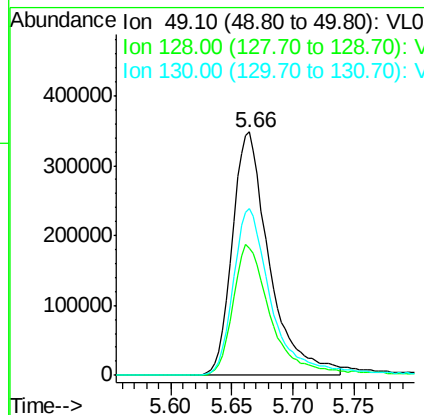
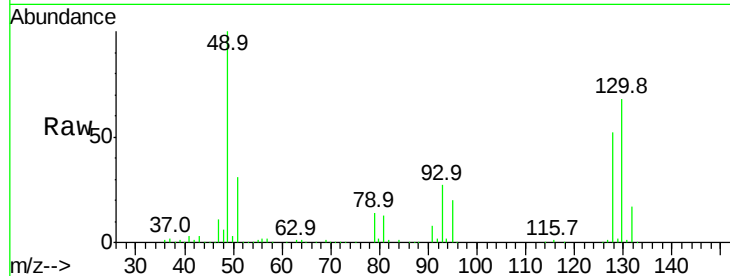
130 72.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/24/2022

Supervised By :Mahesh Dadoda 03/28/2022



#2

Dichlorodifluoromethane

Concen: 0.31 ppbv

RT: 3.05 min Scan# 83

Delta R.T. 0.01 min

Lab File: VL038732.D

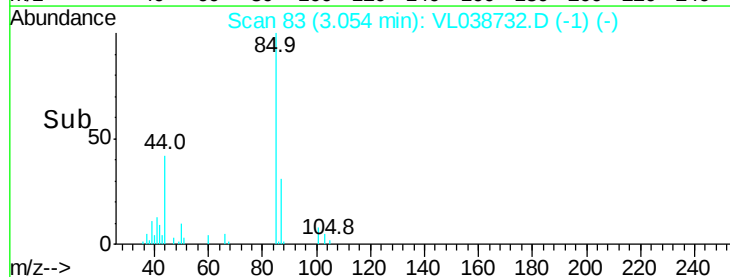
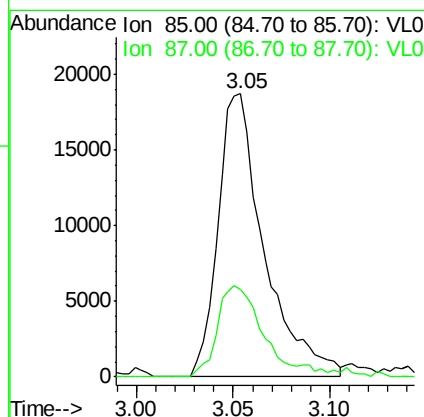
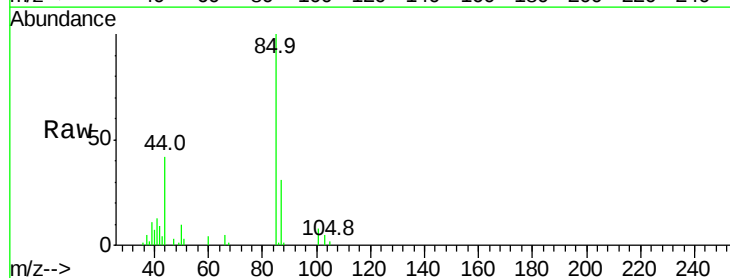
Acq: 24 Mar 2022 1:49

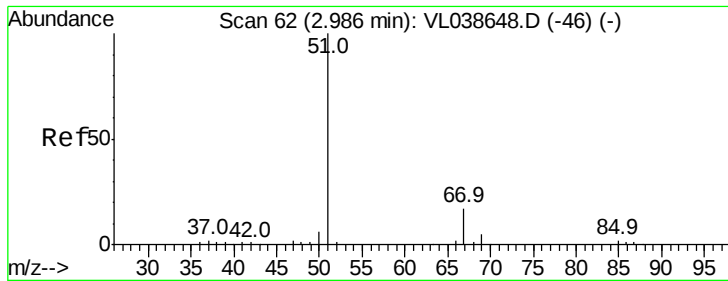
Tgt Ion: 85 Resp: 31073

Ion Ratio Lower Upper

85 100

87 31.1 26.0 39.0





#3

Chlorodifluoromethane

Concen: 0.34 ppbv

RT: 2.99 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 24 Mar 2022 1:49

Tgt Ion:

Ion Ratio

51 100

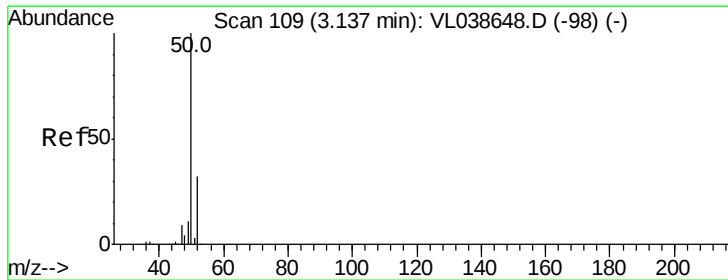
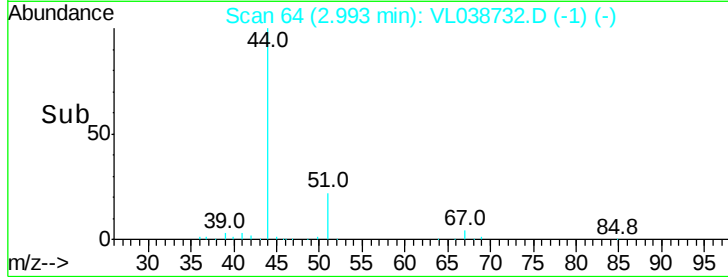
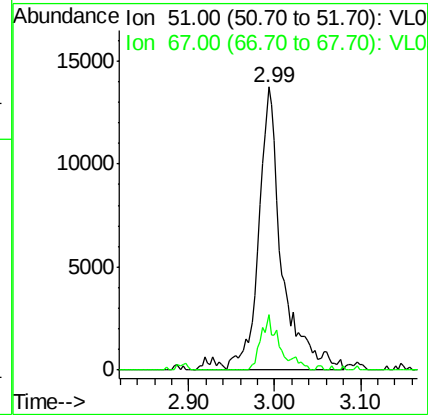
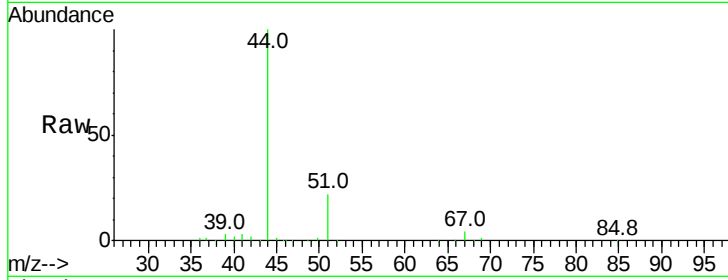
67 15.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/24/2022

Supervised By :Mahesh Dadoda 03/28/2022



#4

Chloromethane

Concen: 0.15 ppbv m

RT: 3.14 min Scan# 110

Delta R.T. 0.00 min

Lab File: VL038732.D

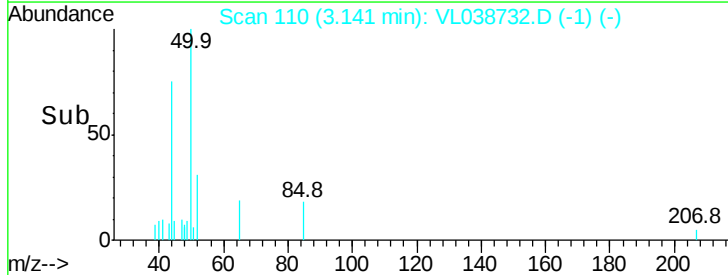
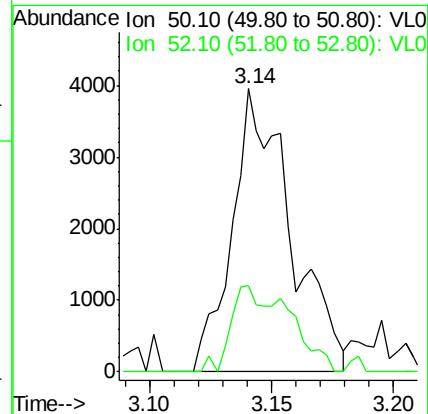
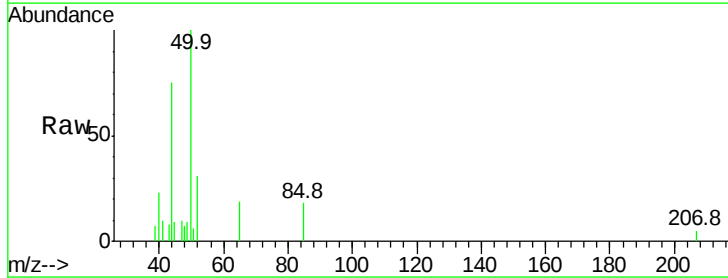
Acq: 24 Mar 2022 1:49

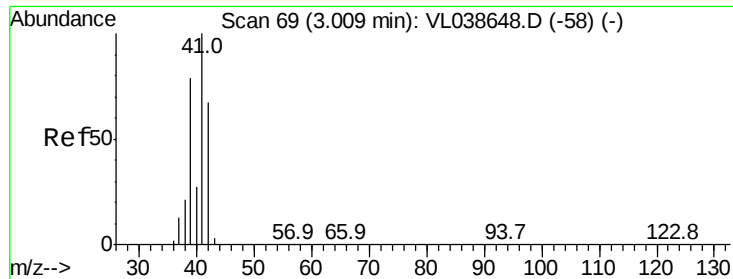
Tgt Ion: 50 Resp: 6587

Ion Ratio Lower Upper

50 100

52 30.6 25.5 38.3





#9

Propene

Concen: 1.14 ppbv

RT: 3.01 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 24 Mar 2022 C0P98

1.49

Tgt Ion:

Ion Ratio

41 100

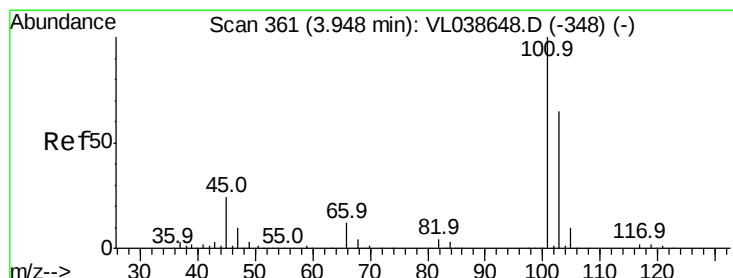
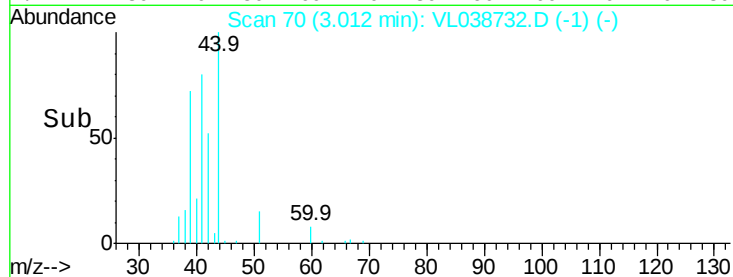
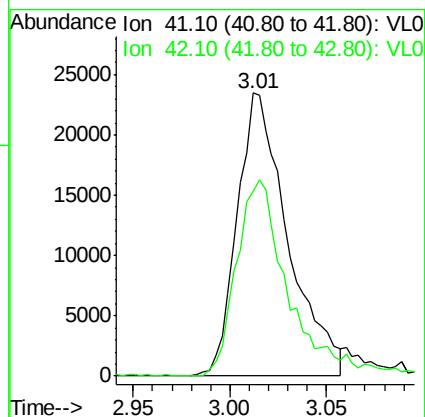
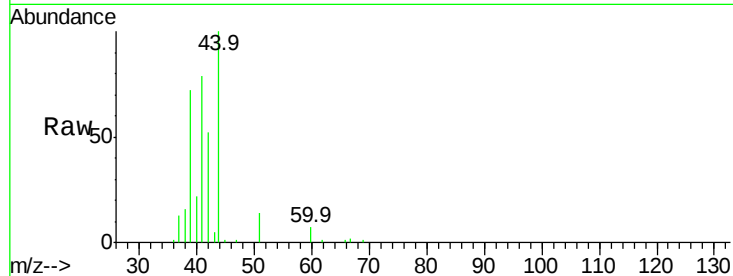
42 72.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/24/2022

Supervised By :Mahesh Dadoda 03/28/2022



#11

Trichlorofluoromethane

Concen: 0.26 ppbv

RT: 3.95 min Scan# 362

Delta R.T. 0.00 min

Lab File: VL038732.D

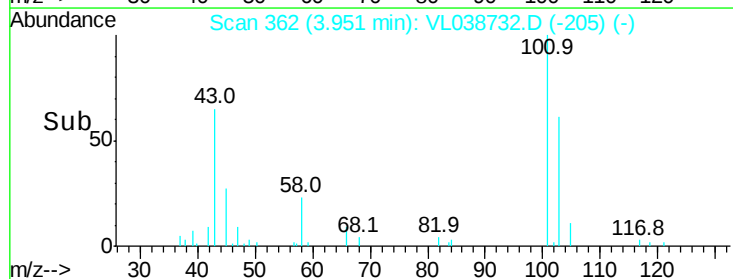
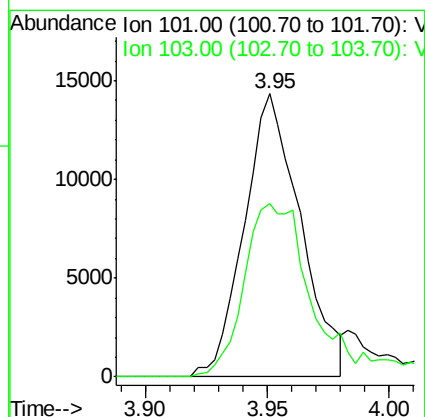
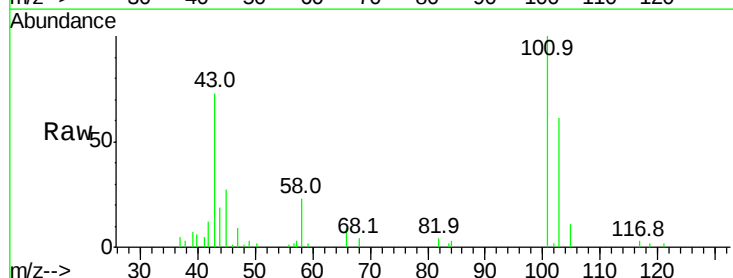
Acq: 24 Mar 2022 1:49

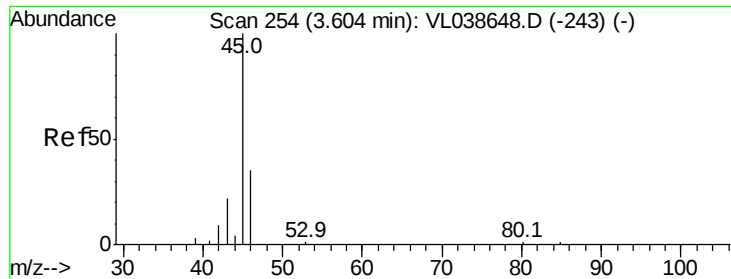
Tgt Ion:101 Resp: 22919

Ion Ratio Lower Upper

101 100

103 61.2 51.9 77.9



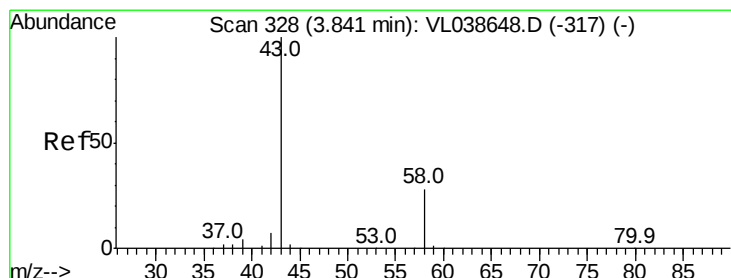
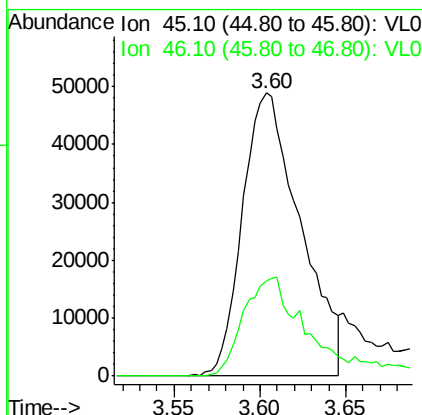
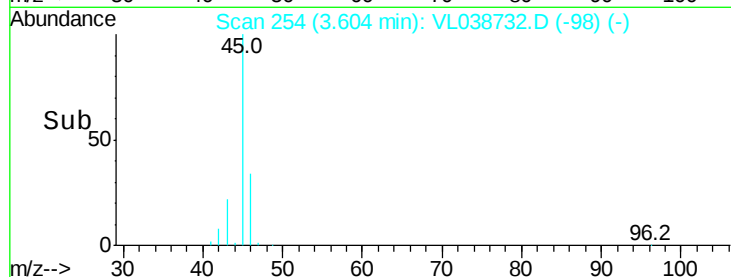
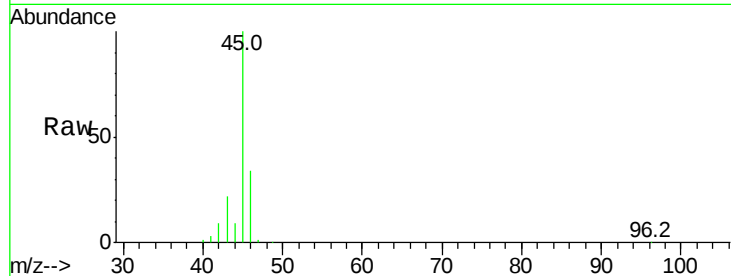


#13
Ethanol
Concen: 27.47 ppbv
RT: 3.60
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
COP98
Acq: 24 Mar 2022 1:49

Tgt Ion:
Ion Ratio
45 100
46 41.

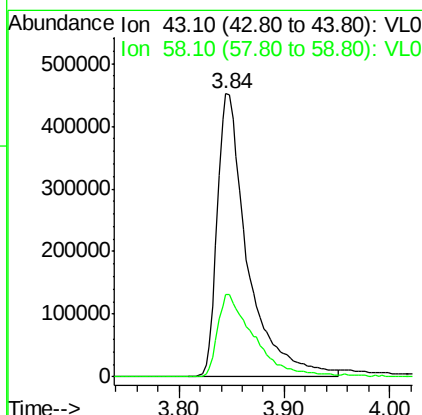
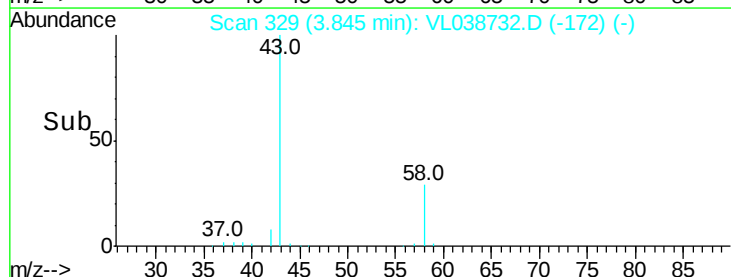
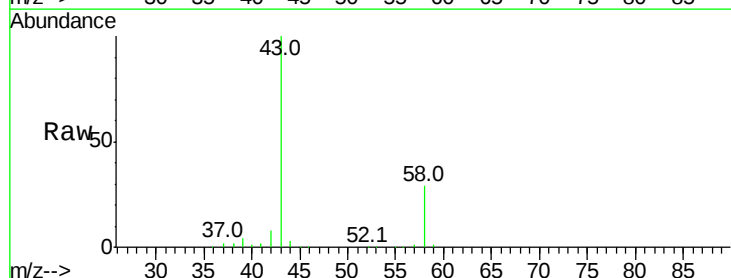
Manual Integrations
APPROVED

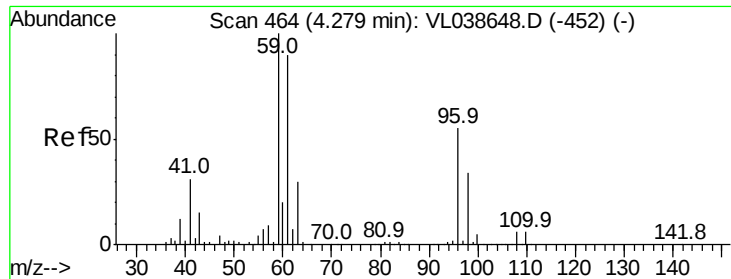
Reviewed By :Semsettin Yesilyurt 03/24/2022
Supervised By :Mahesh Dadoda 03/28/2022



#15
Acetone
Concen: 14.15 ppbv
RT: 3.84 min Scan# 329
Delta R.T. 0.00 min
Lab File: VL038732.D
Acq: 24 Mar 2022 1:49

Tgt Ion: 43 Resp: 901785
Ion Ratio Lower Upper
43 100
58 35.9 23.3 34.9#



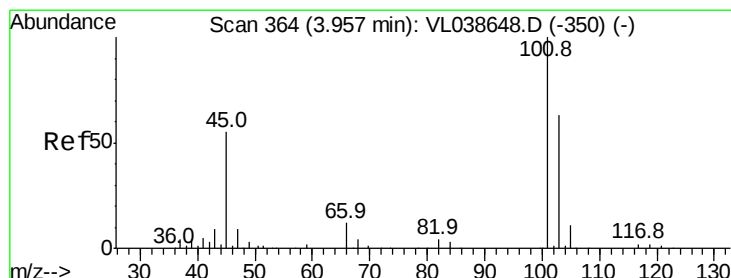
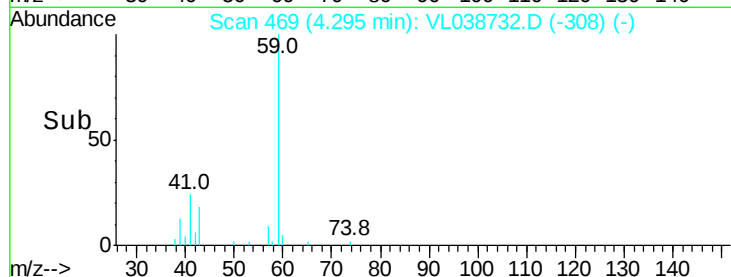
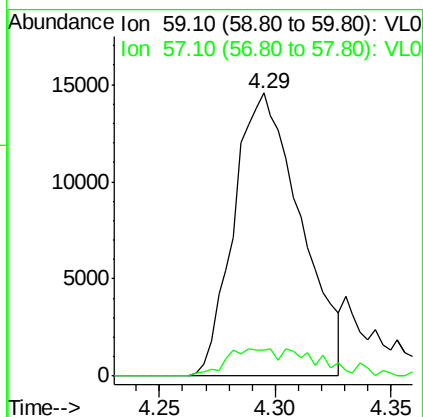
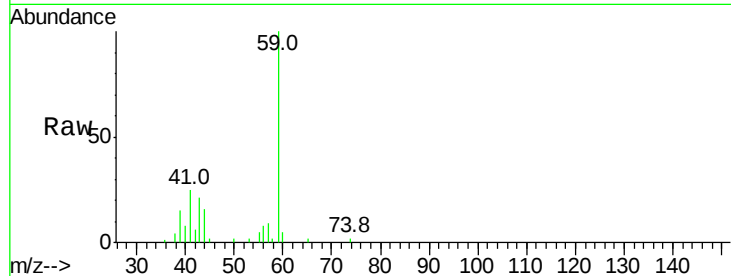


#17
 tert-Butyl alcohol
 Concen: 0.52 ppbv
 RT: 4.29
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 C0P98
 Acq: 24 Mar 2022 1:49

Tgt Ion:
 Ion Ratio
 59 100
 57 13.

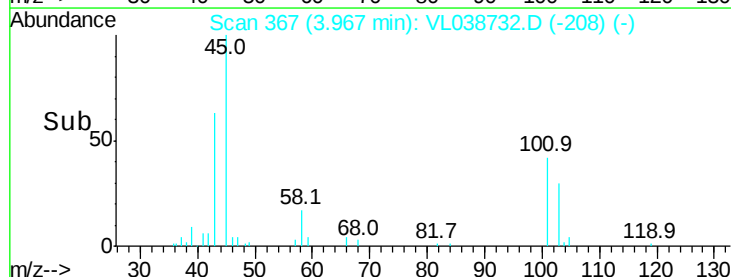
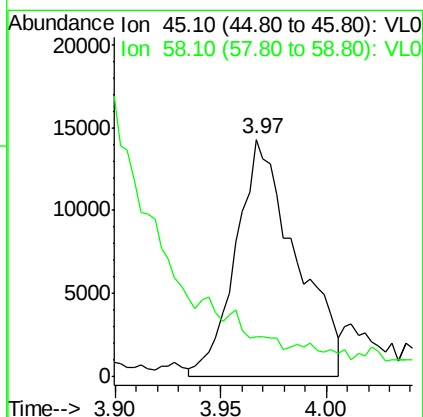
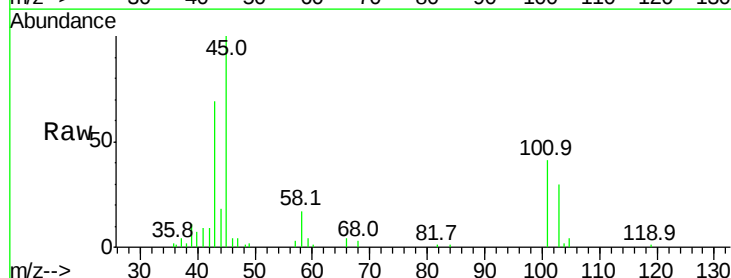
Manual Integrations
 APPROVED

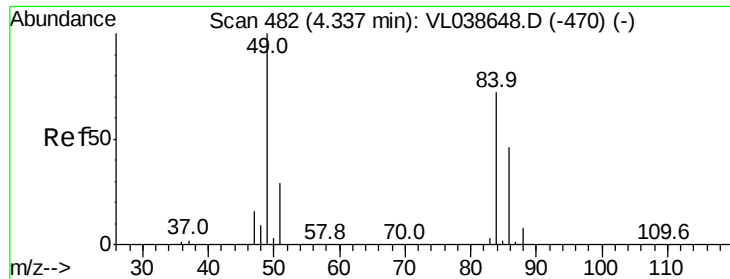
Reviewed By :Semsettin Yesilyurt 03/24/2022
 Supervised By :Mahesh Dadoda 03/28/2022



#19
 Isopropyl Alcohol
 Concen: 0.80 ppbv m
 RT: 3.97 min Scan# 367
 Delta R.T. 0.01 min
 Lab File: VL038732.D
 Acq: 24 Mar 2022 1:49

Tgt Ion: 45 Resp: 28240
 Ion Ratio Lower Upper
 45 100
 58 0.0 2.3 3.5#



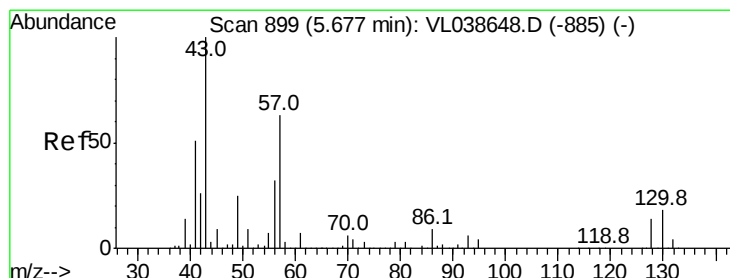
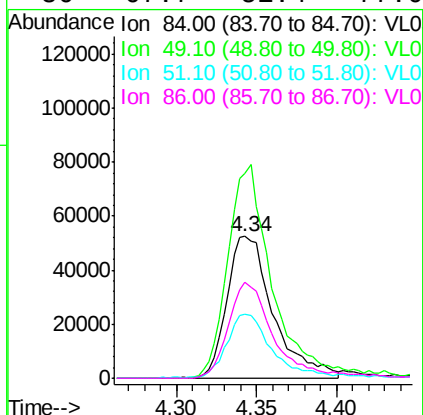
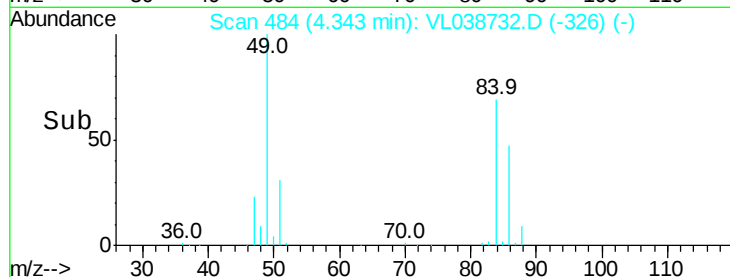
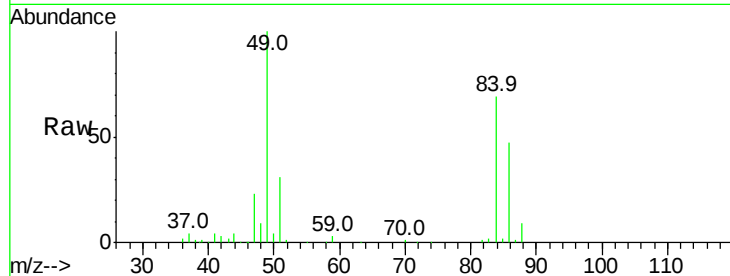


#20
Methylene Chloride
Concen: 3.84 ppbv
RT: 4.34
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
COP98
Acq: 24 Mar 2022 1:49

Tgt Ion:
Ion Ratio
84 100
49 145.
51 44.
86 67.7 51.4 77.0

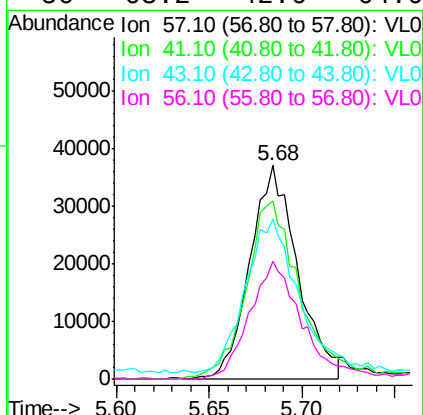
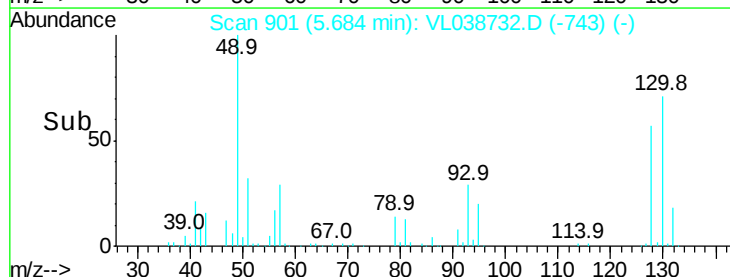
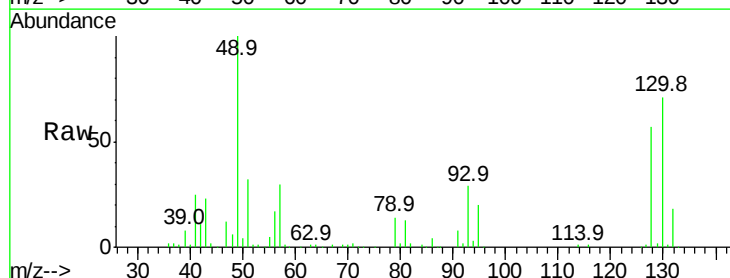
Manual Integrations
APPROVED

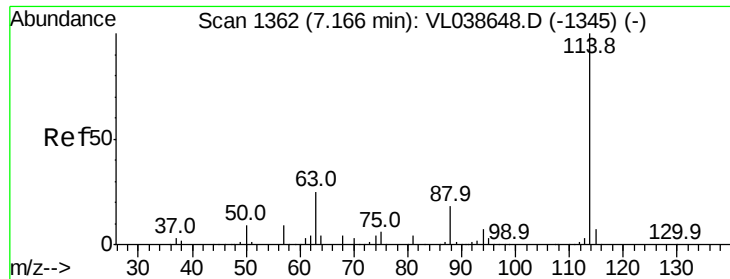
Reviewed By :Semsettin Yesilyurt 03/24/2022
Supervised By :Mahesh Dadoda 03/28/2022



#26
Hexane
Concen: 0.92 ppbv
RT: 5.68 min Scan# 901
Delta R.T. 0.01 min
Lab File: VL038732.D
Acq: 24 Mar 2022 1:49

Tgt Ion: 57 Resp: 66195
Ion Ratio Lower Upper
57 100
41 100.1 67.0 100.4
43 82.4 184.2 276.2#
56 63.2 42.6 64.0



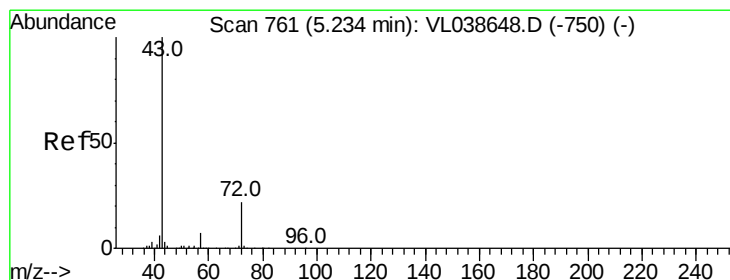
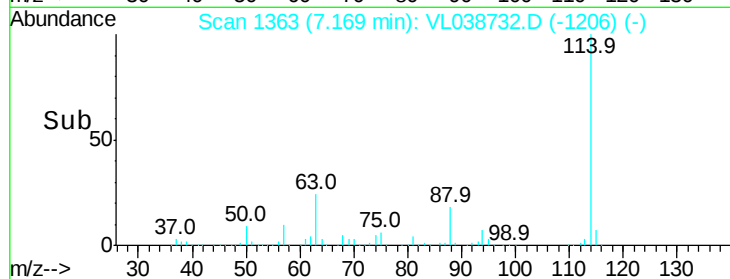
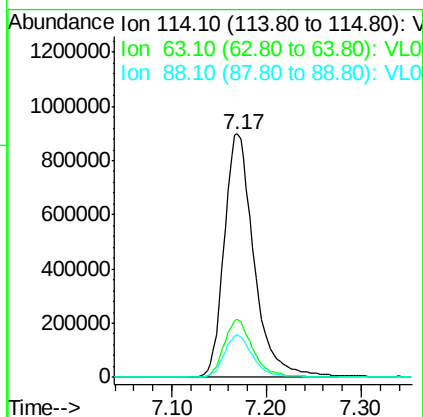
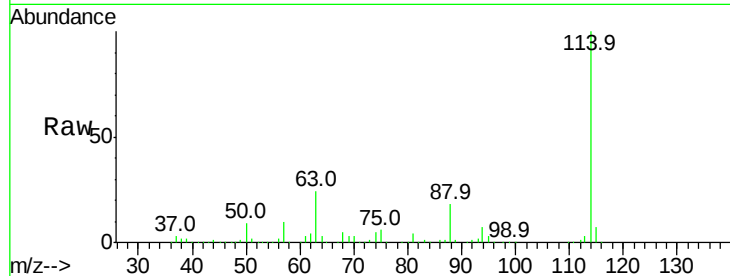


#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 7.17
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 Acq: 24 Mar 2022 1:49

Tgt Ion: 114.10
 Ion Ratio: 100
 114 100
 63 23.1
 88 17.1

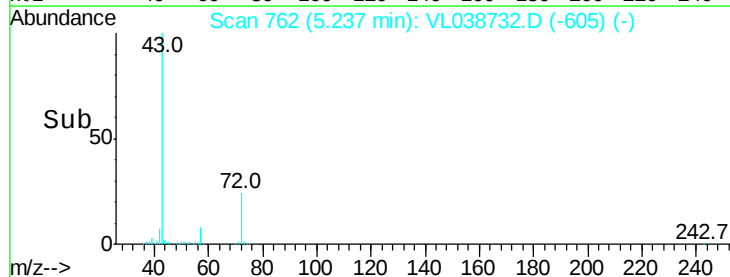
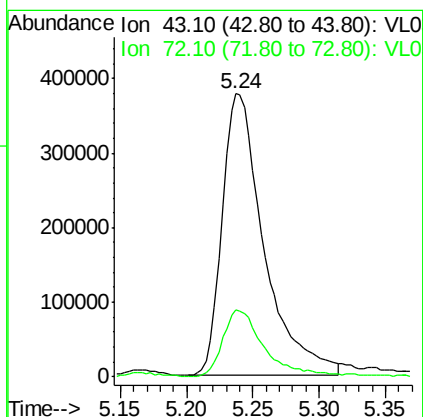
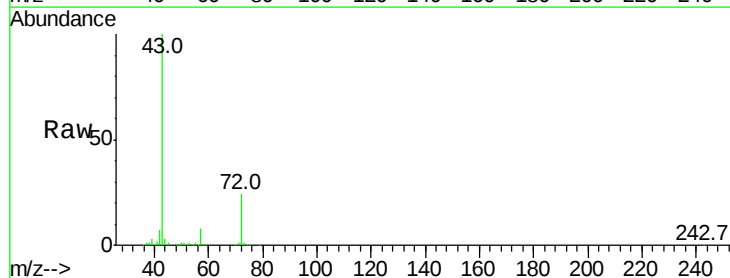
Manual Integrations
 APPROVED

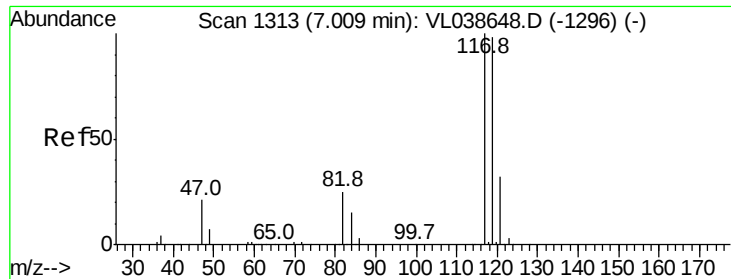
Reviewed By : Semsettin Yesilyurt 03/24/2022
 Supervised By : Mahesh Dadoda 03/28/2022



#34
 2-Butanone
 Concen: 10.65 ppbv
 RT: 5.24 min Scan# 762
 Delta R.T.: 0.00 min
 Lab File: VL038732.D
 Acq: 24 Mar 2022 1:49

Tgt Ion: 43 Resp: 829842
 Ion Ratio Lower Upper
 43 100
 72 25.2 17.8 26.8





#35

Carbon Tetrachloride

Concen: 0.07 ppbv m

RT: 7.01 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 24 Mar 2022 1:49 COP98

Tgt Ion:1

Ion Rati

117 100

119 94.

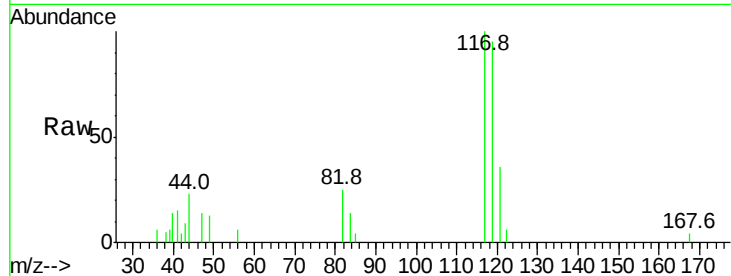
121 35.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/24/2022

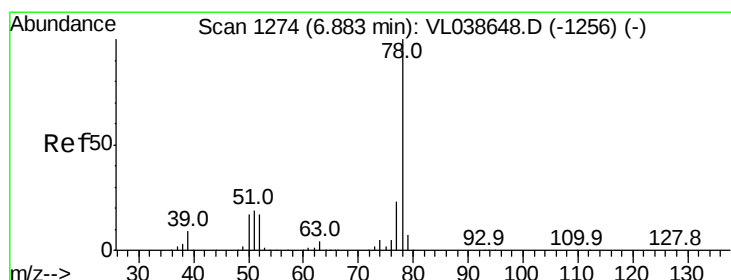
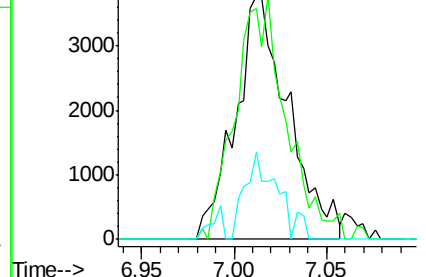
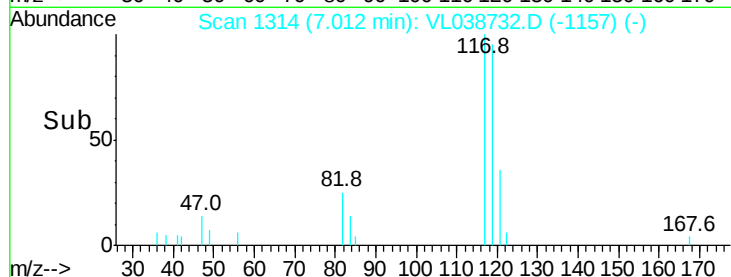
Supervised By :Mahesh Dadoda 03/28/2022



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 0.14 ppbv

RT: 6.88 min Scan# 1274

Delta R.T. 0.00 min

Lab File: VL038732.D

Acq: 24 Mar 2022 1:49

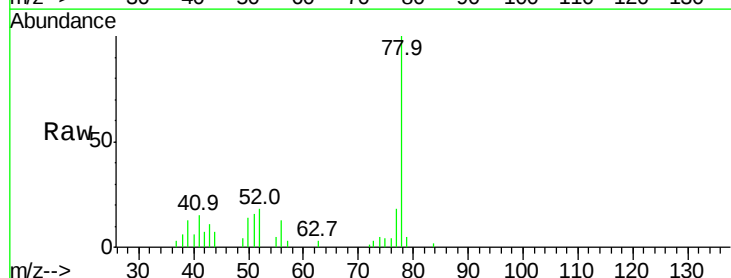
Tgt Ion: 78 Resp: 21230

Ion Ratio Lower Upper

78 100

77 18.4 18.1 27.1

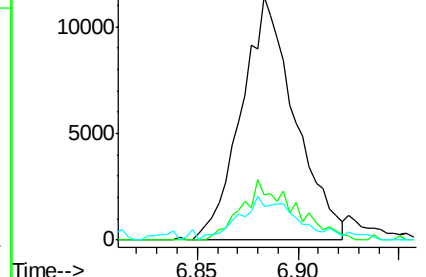
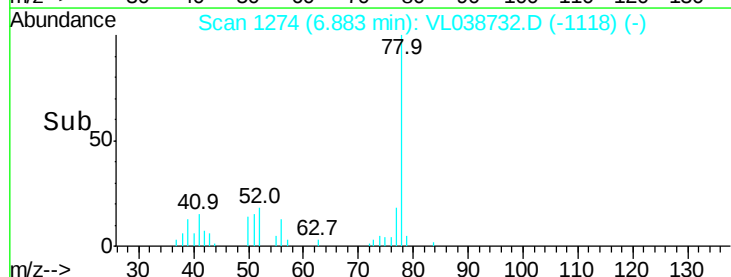
50 12.3 13.6 20.4#

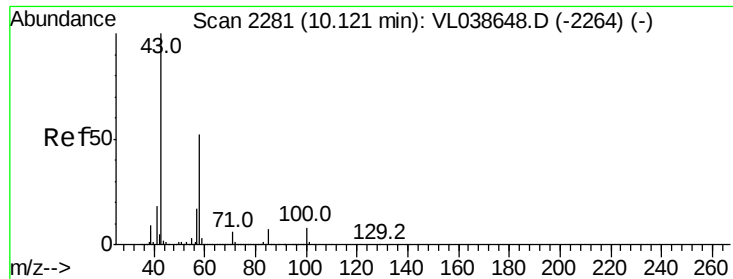


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0



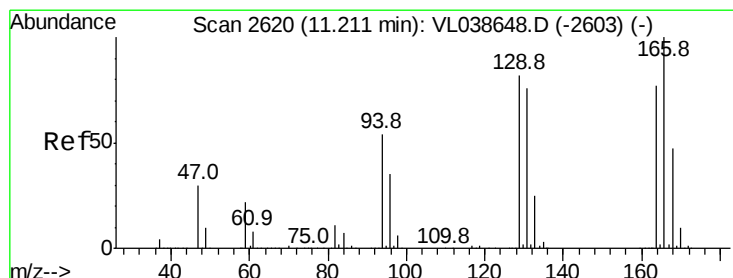
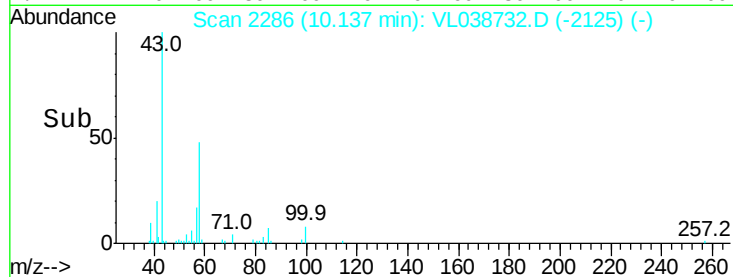
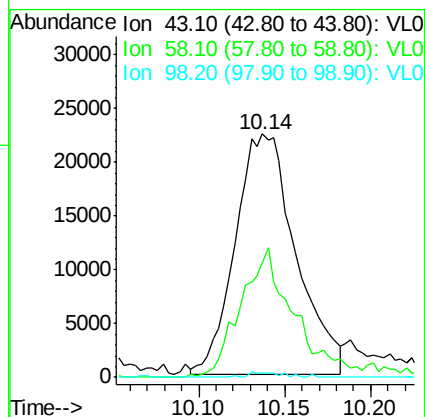
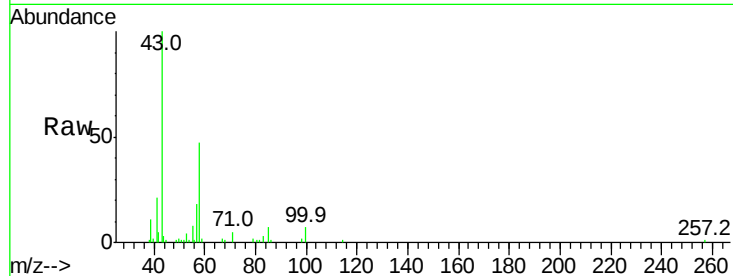


#51
 2-Hexanone
 Concen: 0.53 ppbv
 RT: 10.14 min
 Delta R.T.: 0.01 min
 Lab File: VL038648.D
 Acq: 24 Mar 2022 1:49

Tgt Ion:
 Ion Ratio
 43 100
 58 50.0
 98 1.0

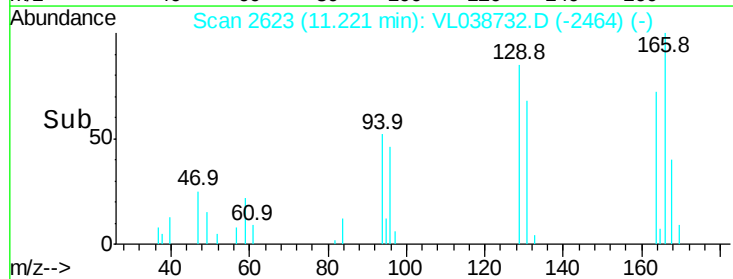
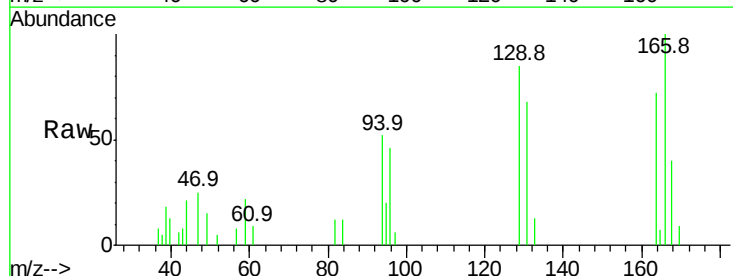
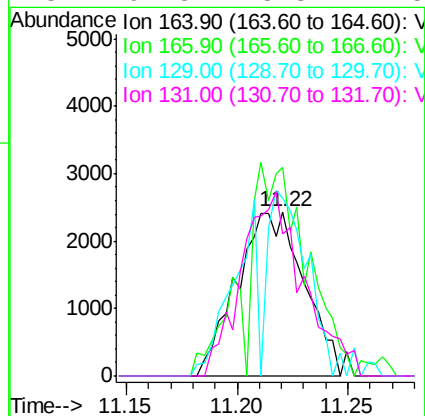
Manual Integrations
 APPROVED

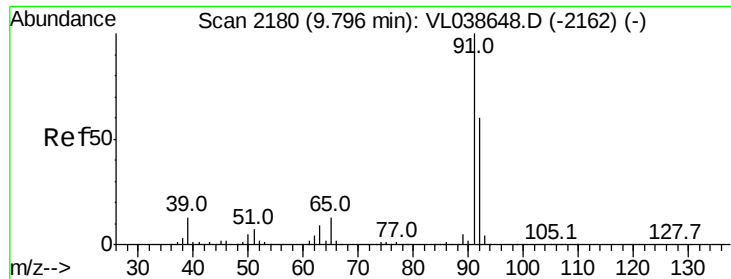
Reviewed By :Semsettin Yesilyurt 03/24/2022
 Supervised By :Mahesh Dadoda 03/28/2022



#52
 Tetrachloroethene
 Concen: 0.09 ppbv m
 RT: 11.22 min Scan# 2623
 Delta R.T.: 0.01 min
 Lab File: VL038732.D
 Acq: 24 Mar 2022 1:49

Tgt Ion:164 Resp: 5137
 Ion Ratio Lower Upper
 164 100
 166 139.0 103.3 154.9
 129 118.4 85.2 127.8
 131 94.8 78.3 117.5





#53

Toluene

Concen: 0.28 ppbv

RT: 9.80

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 24 Mar 2022 1:49

Tgt Ion:

Ion Ratio

91 100

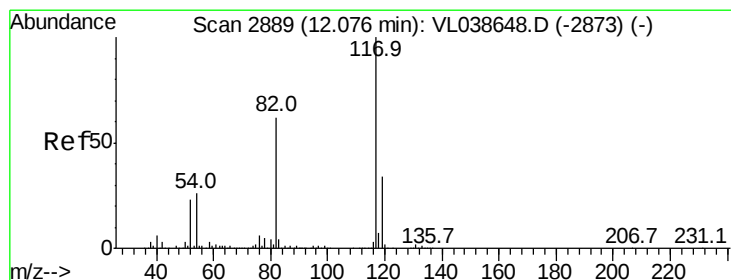
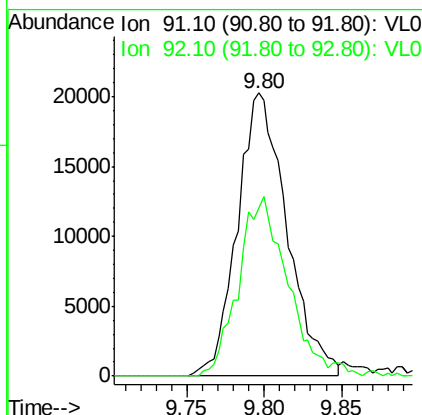
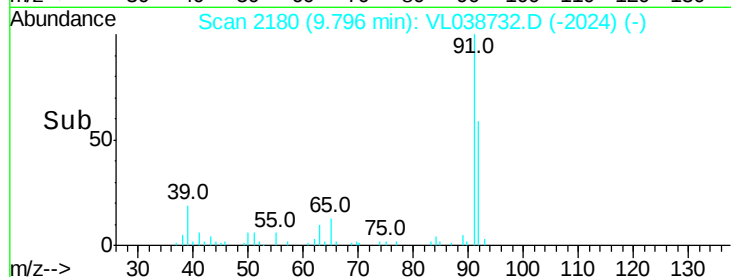
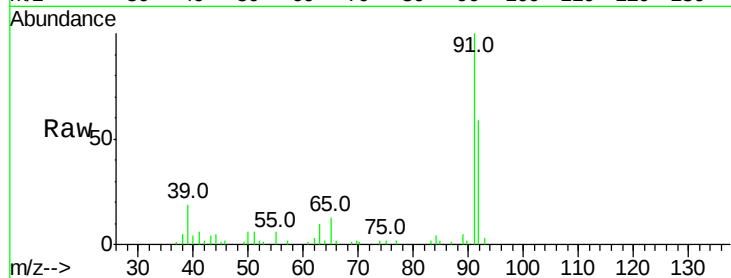
92 63.

Manual Integrations

APPROVED

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# 2889

Delta R.T. 0.00 min

Lab File: VL038732.D

Acq: 24 Mar 2022 1:49

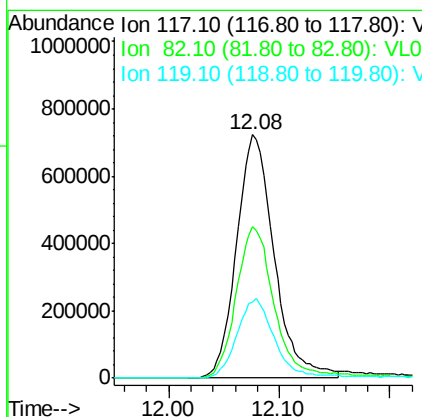
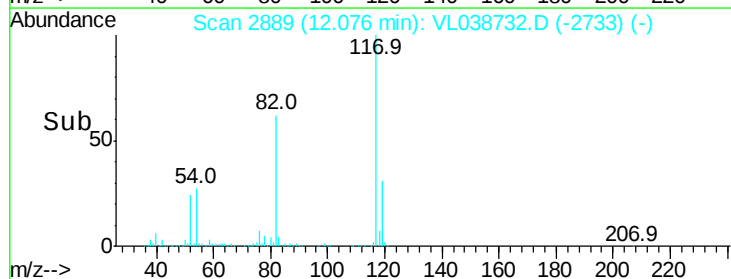
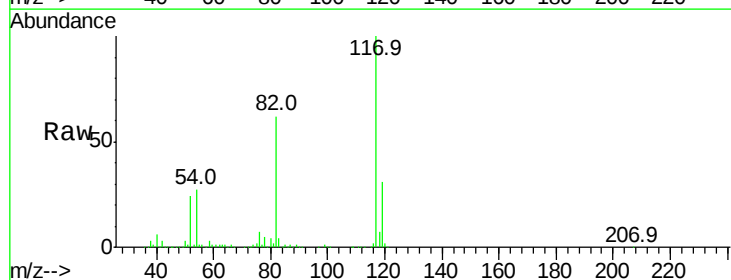
Tgt Ion:117 Resp: 1714632

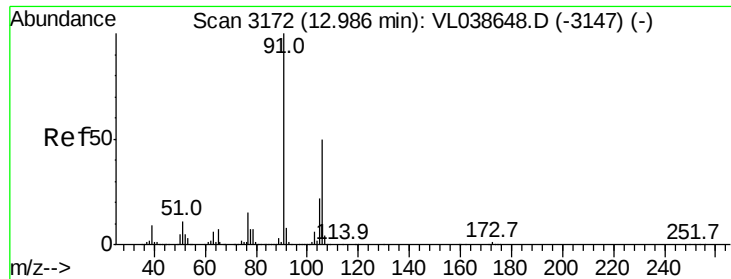
Ion Ratio Lower Upper

117 100

82 65.7 51.6 77.4

119 34.1 26.9 40.3



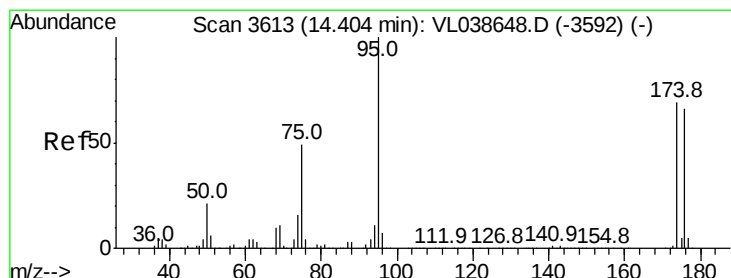
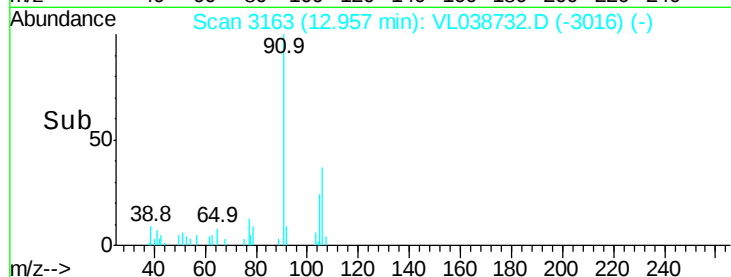
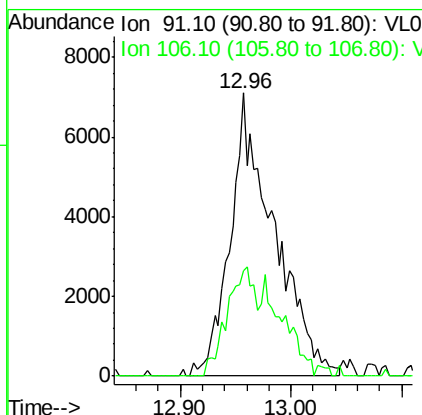
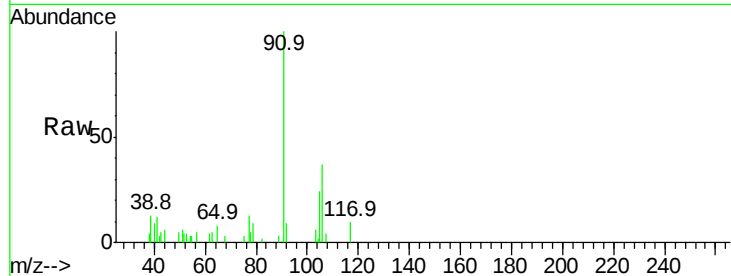


#59
m/p-Xylene
Concen: 0.11 ppbv m
RT: 12.96
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 24 Mar 2022 1:49

Tgt Ion:
Ion Ratio
91 100
106 0.

Manual Integrations
APPROVED

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



#68
1-Bromo-4-Fluorobenzene
Concen: 9.32 ppbv
RT: 14.41 min Scan# 3614
Delta R.T. 0.00 min
Lab File: VL038732.D
Acq: 24 Mar 2022 1:49

Tgt Ion: 95 Resp: 1225678
Ion Ratio Lower Upper
95 100
174 74.4 56.1 84.1
175 5.5 4.2 6.2

