

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL033022\
 Data File : VL038801.D
 Acq On : 30 Mar 2022 19:22
 Operator : SY/AP
 Sample : N2169-04DL 4X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 SV4DL

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 04/02/2022
 Supervised By :Mahesh Dadoda 04/04/2022

Quant Time: Mar 31 04:49:55 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032122A
 Quant Title : AIR ANALYSIS BY METHOD TO-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	902868	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	2580913	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	2293931	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	1598939	9.09	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	90.90%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	54743	0.451	ppbv	94
9) Propene	3.02	41	33065	0.718	ppbv	86
10) Heptane	8.11	43	18544	0.169	ppbv	92
11) Trichlorofluoromethane	3.95	101	11358m	0.106	ppbv	
13) Ethanol	3.62	45	14028m	2.762	ppbv	
15) Acetone	3.85	43	272057	3.492	ppbv	94
19) Isopropyl Alcohol	3.99	45	7667m	0.178	ppbv	
20) Methylene Chloride	4.34	84	27619m	0.842	ppbv	
26) Hexane	5.68	57	305772	3.483	ppbv #	27
27) Carbon Disulfide	4.55	76	30298m	0.352	ppbv	
28) Methyl tert-Butyl Ether	5.05	73	7573m	0.116	ppbv	
32) 1,1,1-Trichloroethane	6.50	97	7228m	0.053	ppbv	
34) 2-Butanone	5.25	43	74770	0.732	ppbv	92
51) 2-Hexanone	10.14	43	79065m	0.580	ppbv	
52) Tetrachloroethene	11.21	164	178408	2.448	ppbv	95
53) Toluene	9.80	91	40600	0.190	ppbv	97
59) m/p-Xylene	12.95	91	24404m	0.104	ppbv	

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

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Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SV4DL

Manual Integrations
APPROVED

Quant Time: Mar 31 04:49:55 2022

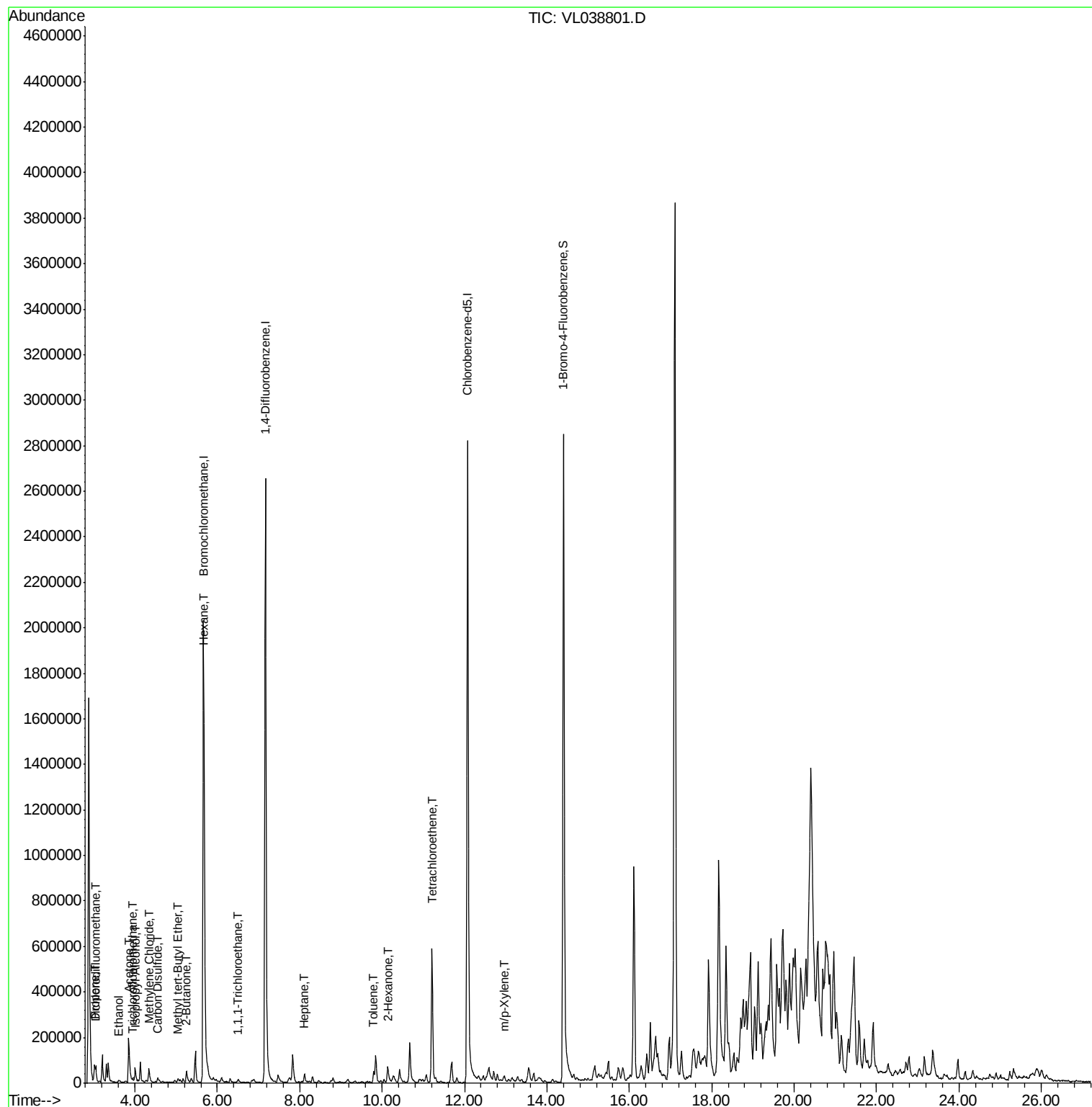
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL032122

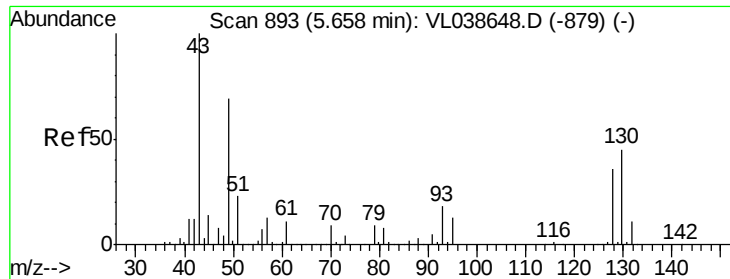
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:

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

Response via : Initial Calibration

Reviewed By :Semsettin Yesilyurt 04/02/2022
Supervised By :Mahesh Dadoda 04/04/2022





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 30 Mar 2022 19:22 SV4DL

Tot Ion:

Ion Ratio

49 100

128 56.

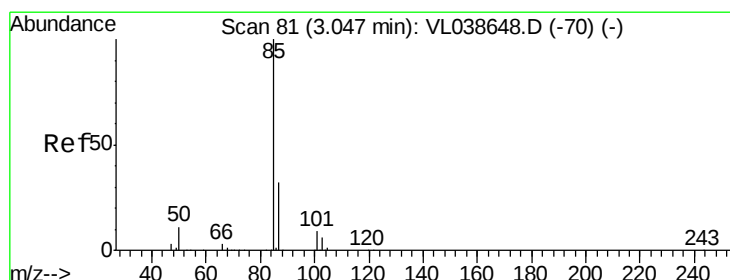
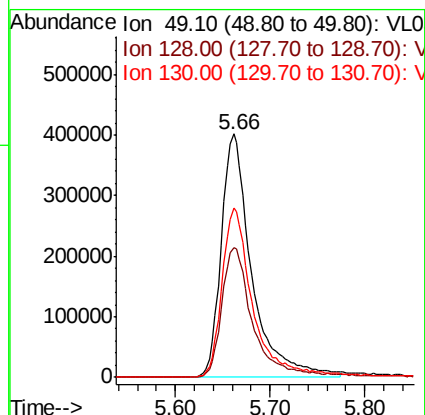
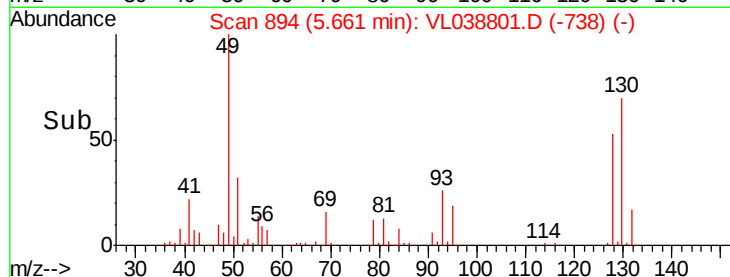
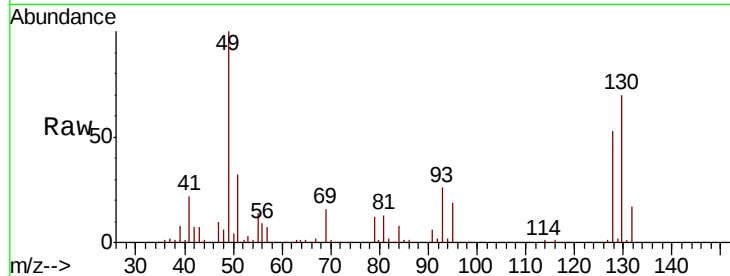
130 71.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 04/02/2022

Supervised By :Mahesh Dadoda 04/04/2022



#2

Dichlorodifluoromethane

Concen: 0.451 ppbv

RT: 3.05 min Scan# 82

Delta R.T. 0.00 min

Lab File: VL038801.D

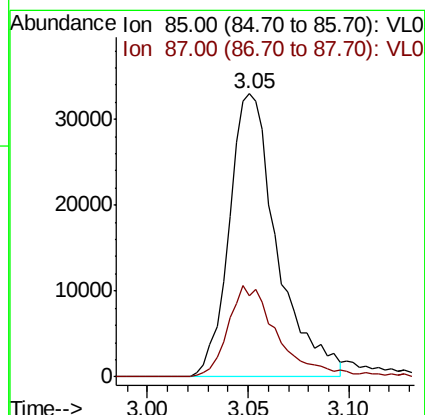
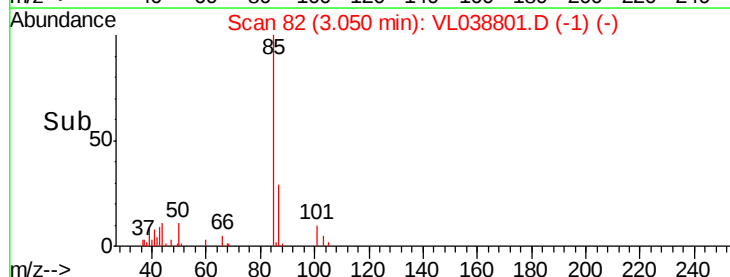
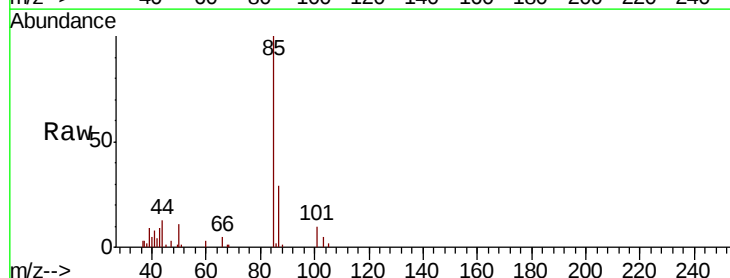
Acq: 30 Mar 2022 19:22

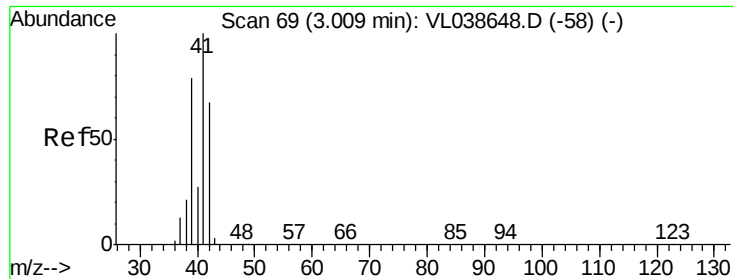
Tgt Ion: 85 Resp: 54743

Ion Ratio Lower Upper

85 100

87 28.9 26.0 39.0



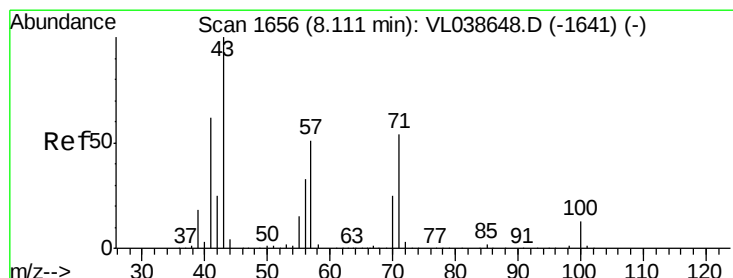
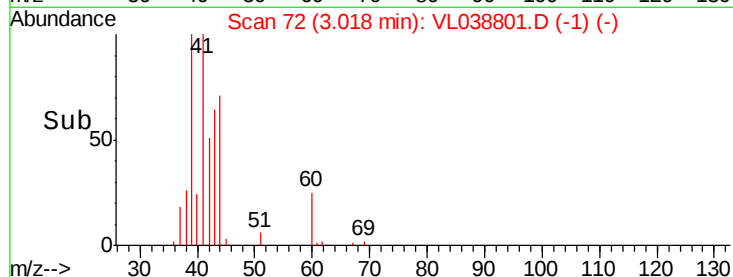
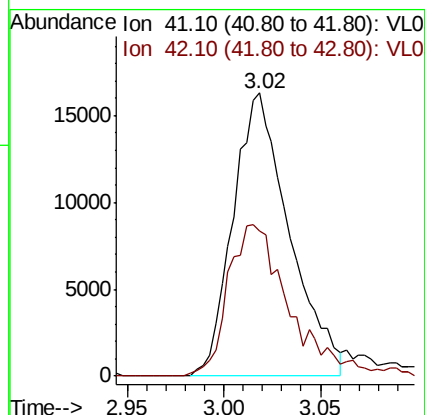
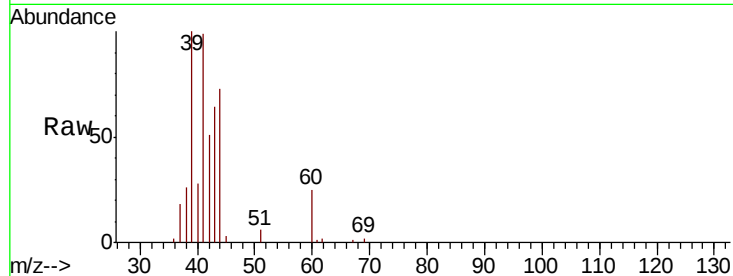


#9
 Propene
 Concen: 0.718 ppbv
 RT: 3.02
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 SV4DL
 Acq: 30 Mar 2022 19:22

Tot Ion:
 Ion Ratio
 41 100
 42 58.

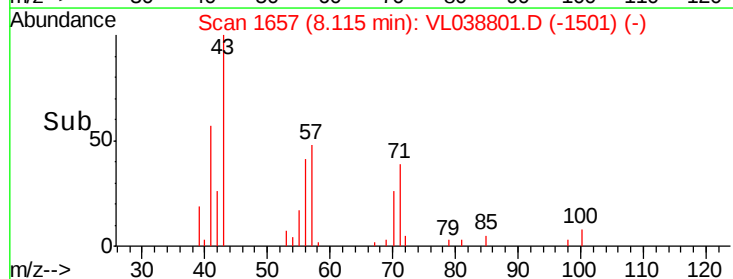
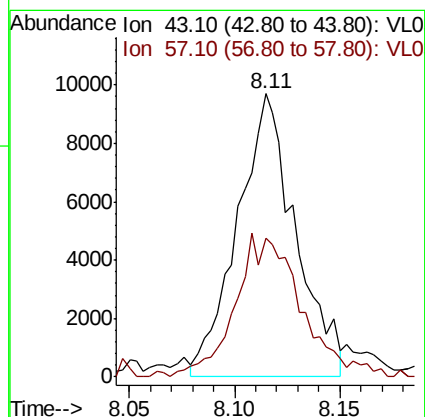
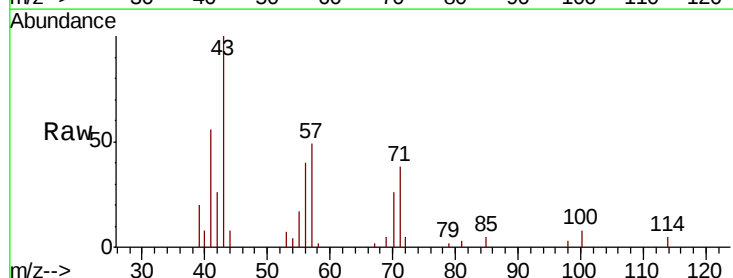
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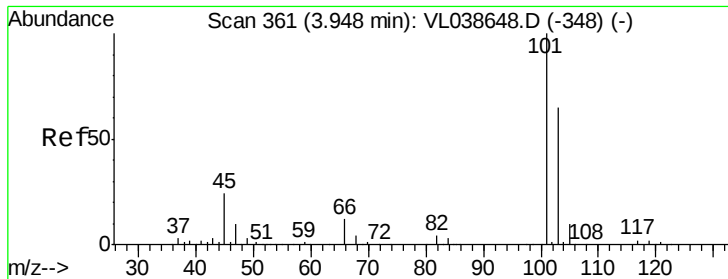
Reviewed By :Semsettin Yesilyurt 04/02/2022
 Supervised By :Mahesh Dadoda 04/04/2022



#10
 Heptane
 Concen: 0.169 ppbv
 RT: 8.11 min Scan# 1657
 Delta R.T. 0.00 min
 Lab File: VL038801.D
 Acq: 30 Mar 2022 19:22

Tgt Ion: 43 Resp: 18544
 Ion Ratio Lower Upper
 43 100
 57 57.3 41.4 62.2



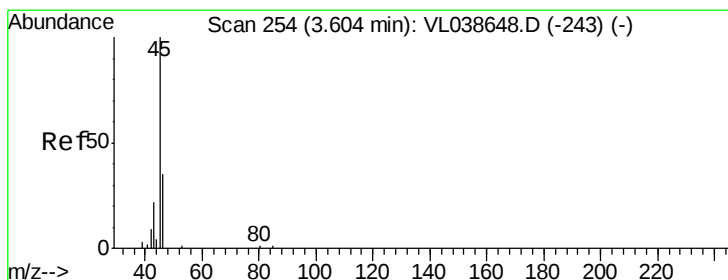
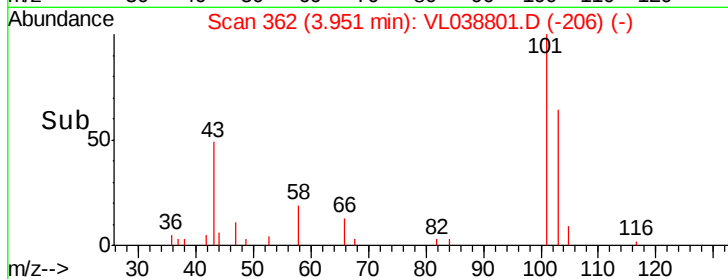
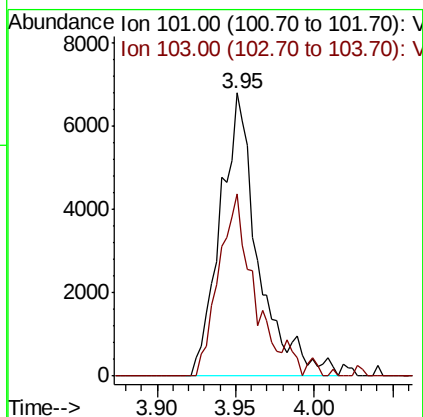
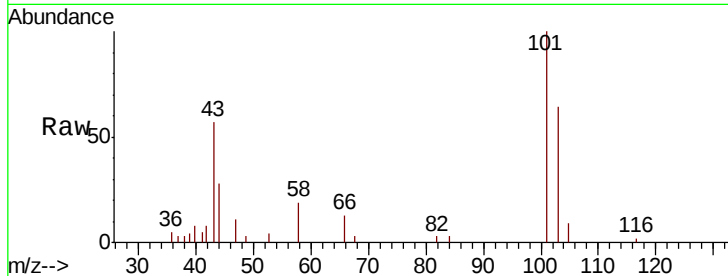


#11
 Trichlorofluoromethane
 Concen: 0.106 ppbv m
 RT: 3.95
 Instrument: MSVOA_L
 Delta R.T.:
 Lab File: ClientSampleId :
 SV4DL
 Acq: 30 Mar 2022 19:22

Tot Ion: 1
 Ion Ratio
 101 100
 103 64.

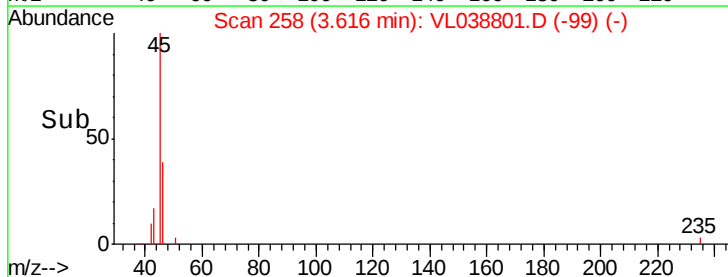
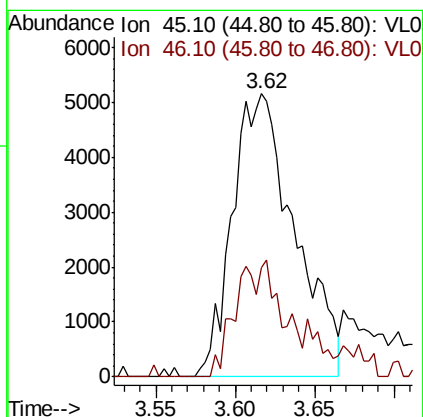
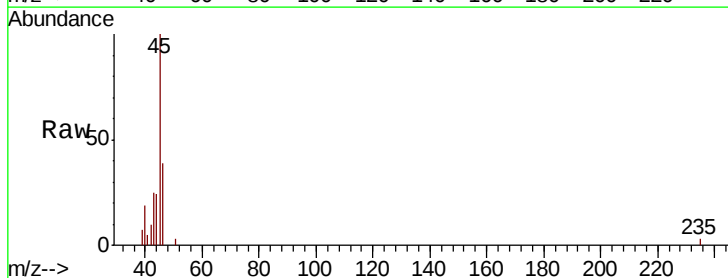
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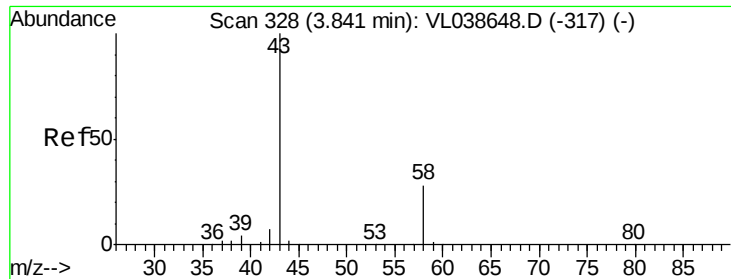
Reviewed By :Semsettin Yesilyurt 04/02/2022
 Supervised By :Mahesh Dadoda 04/04/2022



#13
 Ethanol
 Concen: 2.762 ppbv m
 RT: 3.62 min Scan# 258
 Delta R.T. 0.01 min
 Lab File: VL038801.D
 Acq: 30 Mar 2022 19:22

Tgt Ion: 45 Resp: 14028
 Ion Ratio Lower Upper
 45 100
 46 0.0 15.1 60.5#





#15

Acetone

Concen: 3.492 ppbv

RT: 3.85 Instrument :

Delta R.T. MSVOA_L

Lab File: ClientSampled :

Acq: 30 Mar 2022 19:22 SV4DL

Tot Ion:

Ion Ratio

43 100

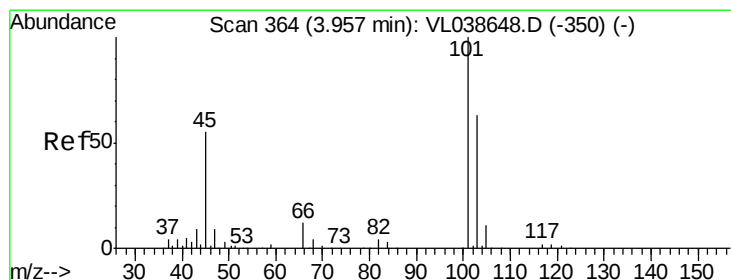
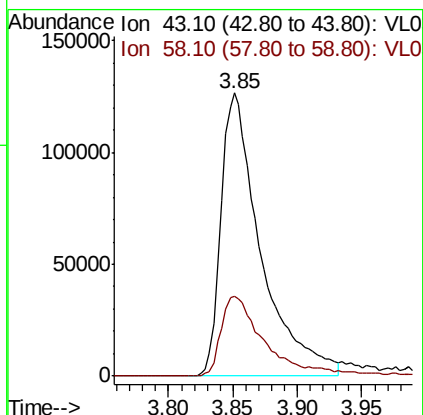
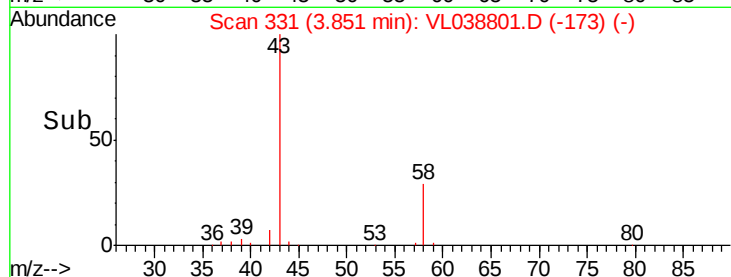
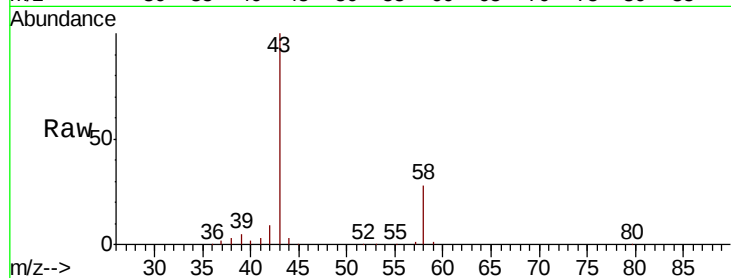
58 32.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/02/2022

Supervised By :Mahesh Dadoda 04/04/2022



#19

Isopropyl Alcohol

Concen: 0.178 ppbv m

RT: 3.99 min Scan# 374

Delta R.T. 0.03 min

Lab File: VL038801.D

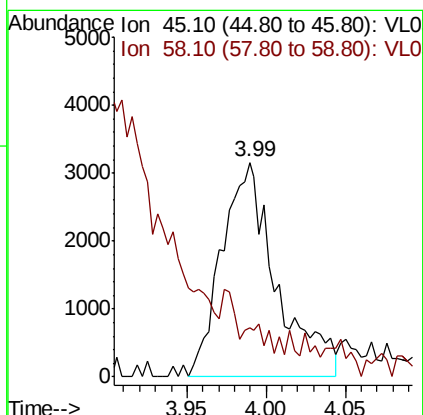
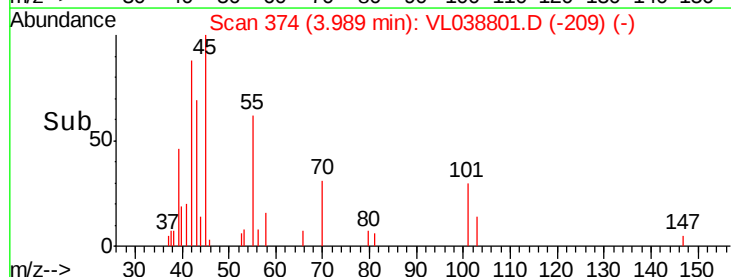
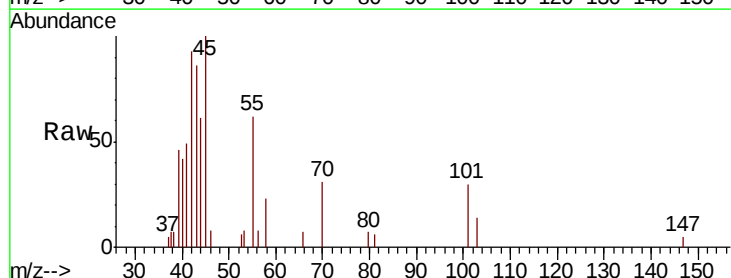
Acq: 30 Mar 2022 19:22

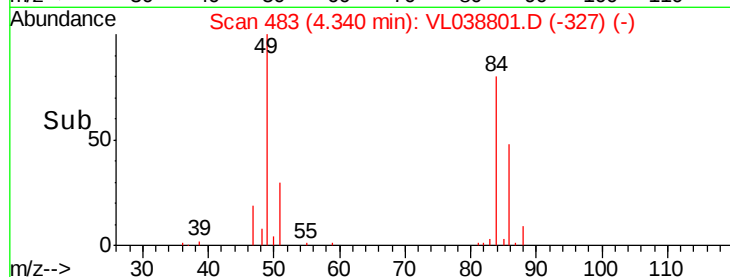
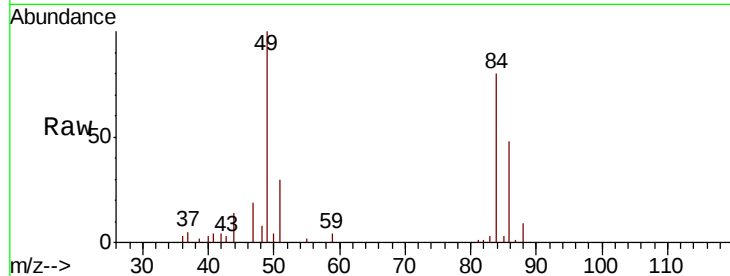
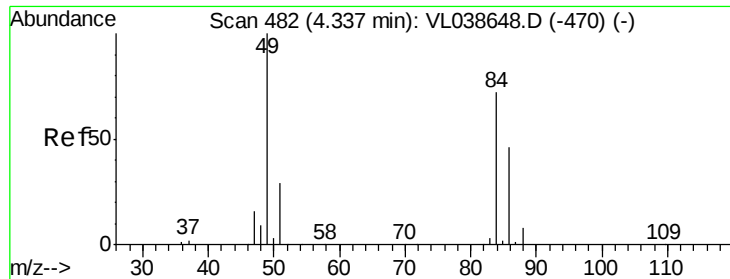
Tgt Ion: 45 Resp: 7667

Ion Ratio Lower Upper

45 100

58 0.0 2.3 3.5#



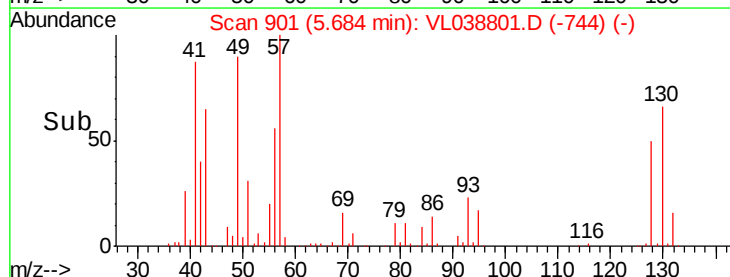
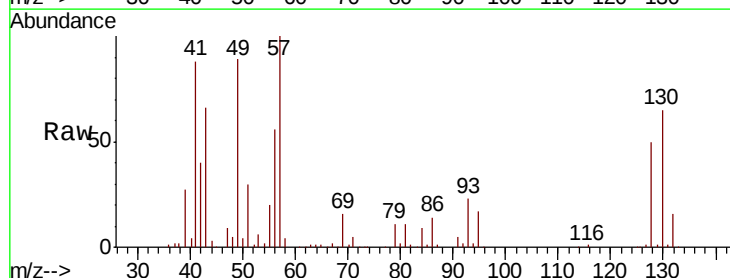
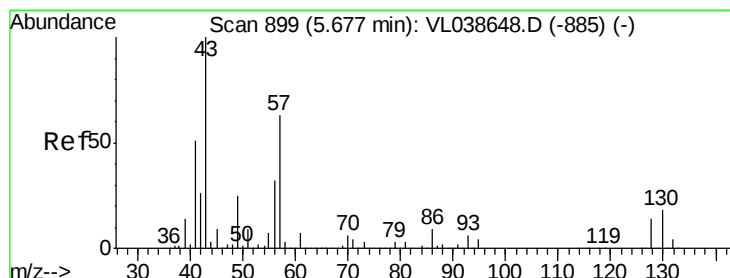
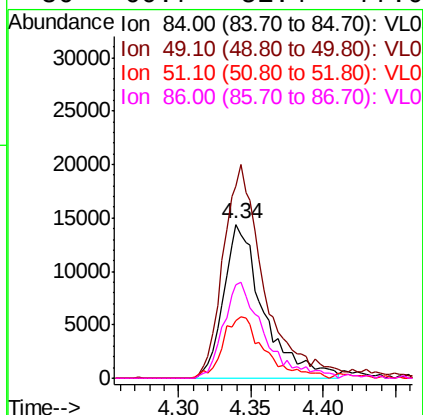


#20
Methvlene Chloride
Concen: 0.842 ppbv m
RT: 4.34
Instrument: MSVOA_L
Delta R.T.
Lab File: ClientSampleId :
SV4DL
Acq: 30 Mar 2022 19:22

Tot Ion:
Ion Ratio
84 100
49 125.
51 37.
86 60.7 51.4 77.0

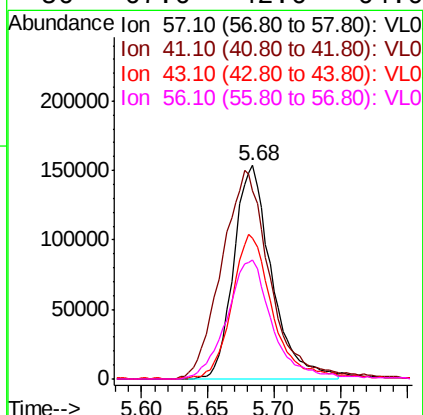
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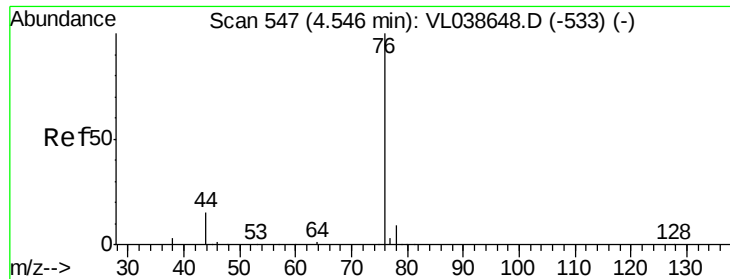
Reviewed By :Semsettin Yesilyurt 04/02/2022
Supervised By :Mahesh Dadoda 04/04/2022



#26
Hexane
Concen: 3.483 ppbv
RT: 5.68 min Scan# 901
Delta R.T. 0.01 min
Lab File: VL038801.D
Acq: 30 Mar 2022 19:22

Tgt Ion: 57 Resp: 305772
Ion Ratio Lower Upper
57 100
41 126.3 67.0 100.4#
43 74.1 184.2 276.2#
56 67.6 42.6 64.0#



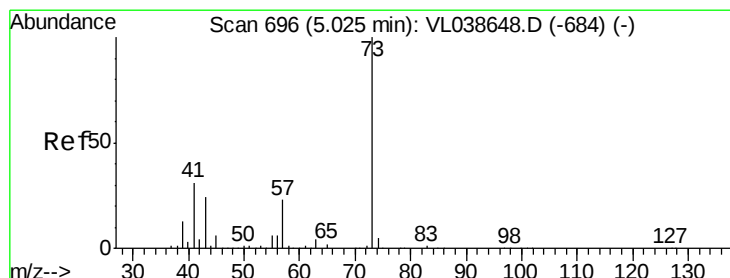
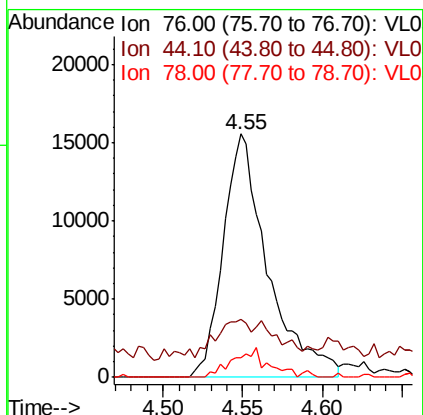
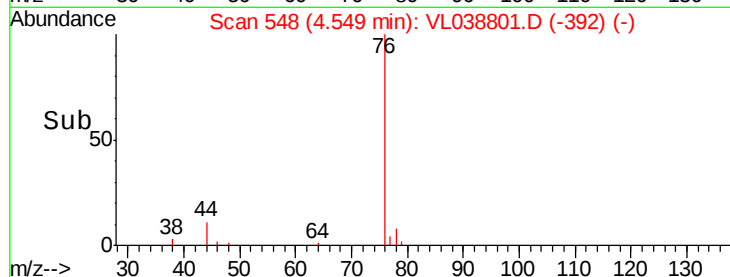
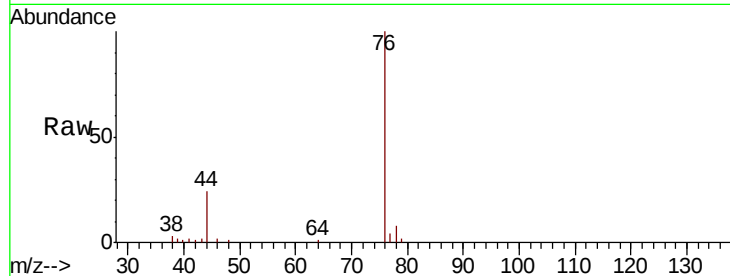


#27
Carbon Disulfide
Concen: 0.352 ppbv m
RT: 4.55
Instrument: MSVOA_L
Delta R.T.
Lab File: ClientSampleId :
SV4DL
Acq: 30 Mar 2022 19:22

Tot Ion:
Ion Ratio
76 100
44 21.
78 9.

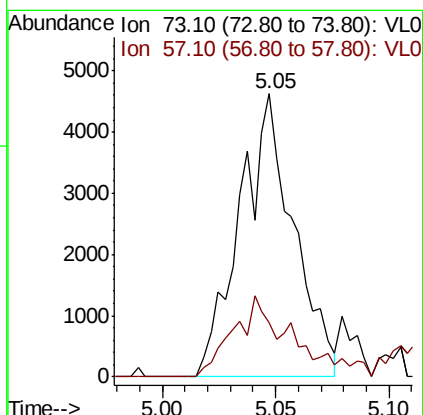
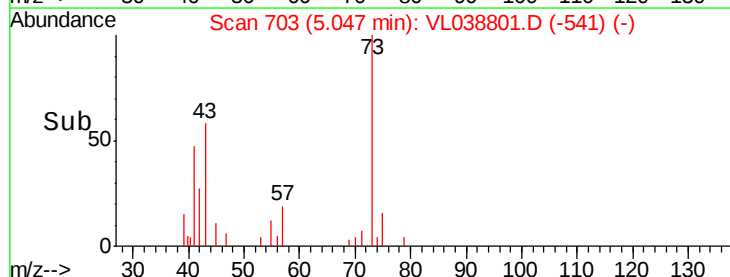
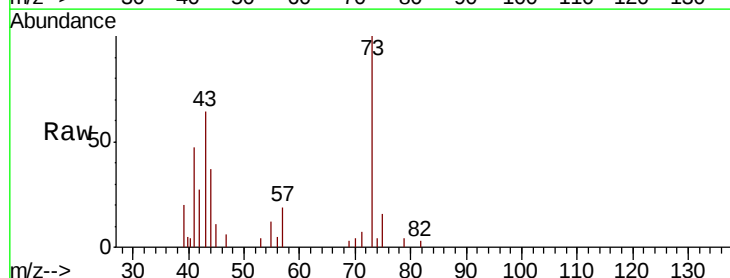
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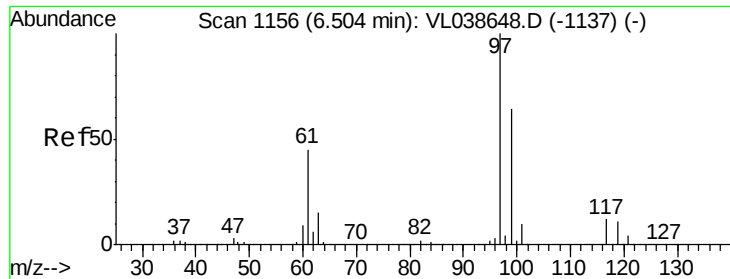
Reviewed By :Semsettin Yesilyurt 04/02/2022
Supervised By :Mahesh Dadoda 04/04/2022



#28
Methyl tert-Butyl Ether
Concen: 0.116 ppbv m
RT: 5.05 min Scan# 703
Delta R.T. 0.02 min
Lab File: VL038801.D
Acq: 30 Mar 2022 19:22

Tgt Ion: 73 Resp: 7573
Ion Ratio Lower Upper
73 100
57 29.3 19.2 28.8#



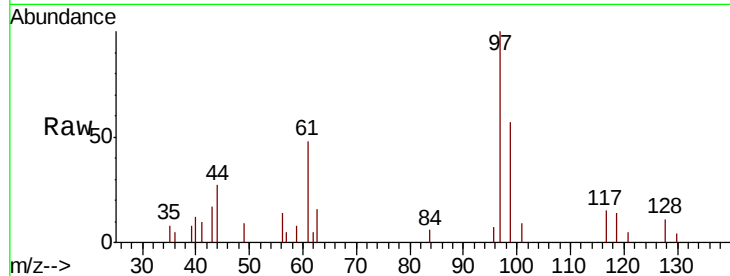


#32
 1,1,1-Trichloroethane
 Concen: 0.053 ppbv m
 RT: 6.50
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 SV4DL
 Acq: 30 Mar 2022 19:22

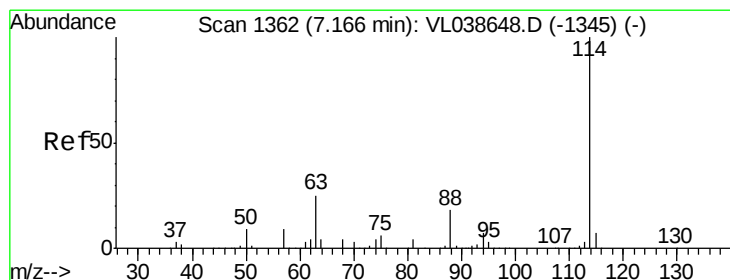
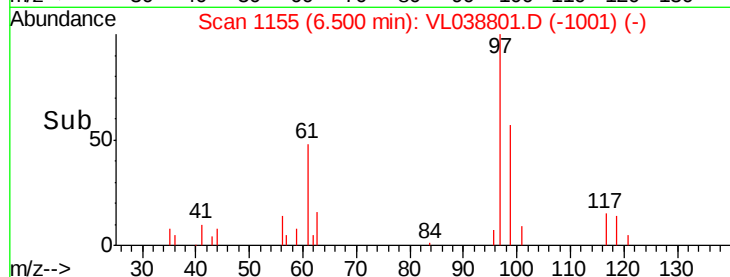
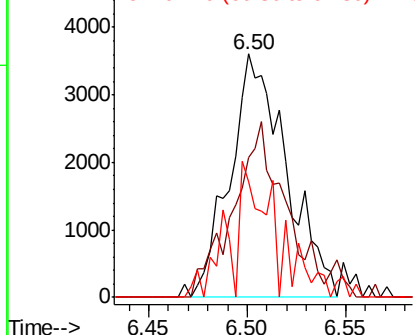
Tot Ion:
 Ion Rati
 97 100
 99 70.
 61 46.

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 04/02/2022
 Supervised By :Mahesh Dadoda 04/04/2022

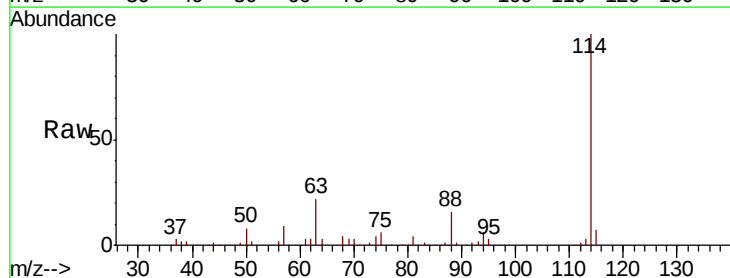


Abundance Ion 97.00 (96.70 to 97.70): VL0
 Ion 99.00 (98.70 to 99.70): VL0
 Ion 61.10 (60.80 to 61.80): VL0

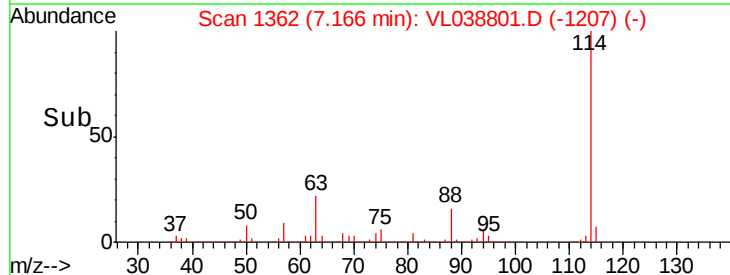
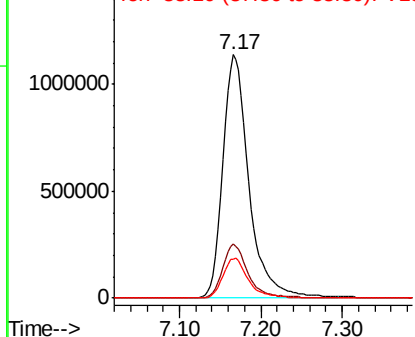


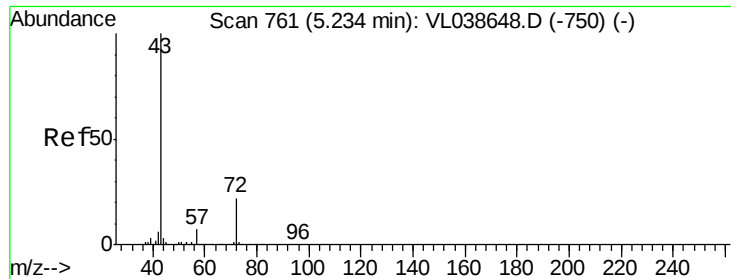
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: VL038801.D
 Acq: 30 Mar 2022 19:22

Tgt Ion:114 Resp: 2580913
 Ion Ratio Lower Upper
 114 100
 63 21.8 19.4 29.0
 88 16.3 13.9 20.9



Abundance Ion 114.10 (113.80 to 114.80): V
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0



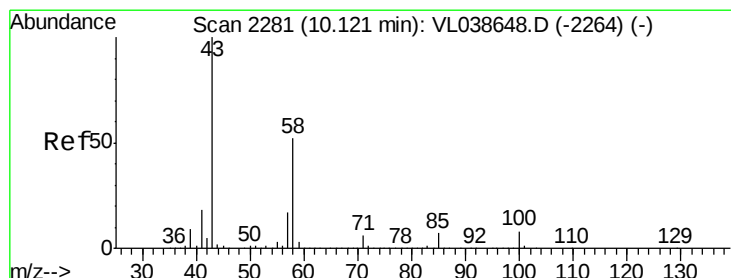
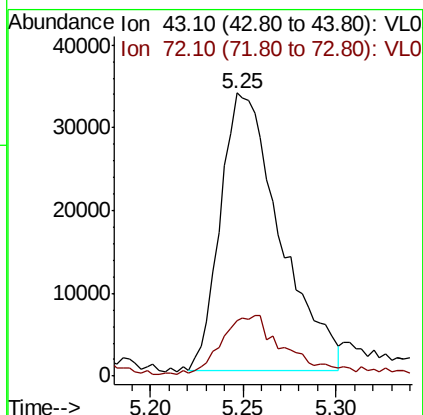
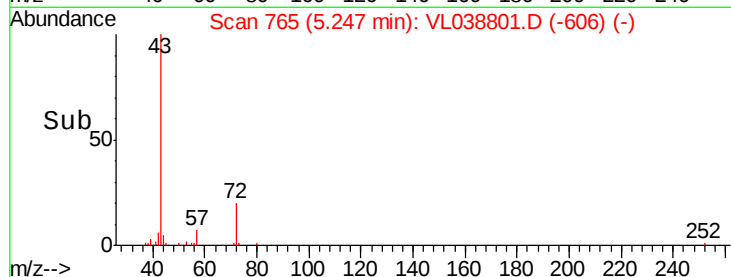
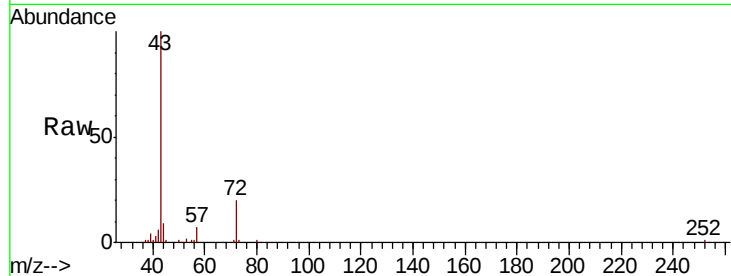


#34
2-Butanone
Concen: 0.732 ppbv
RT: 5.25
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
SV4DL
Acq: 30 Mar 2022 19:22

Tot Ion:
Ion Ratio
43 100
72 26.

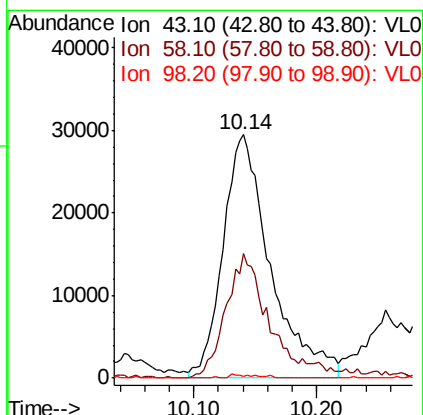
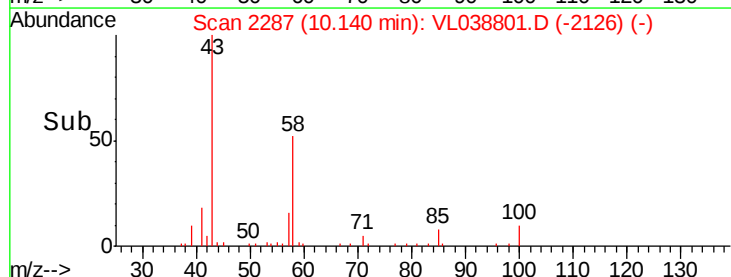
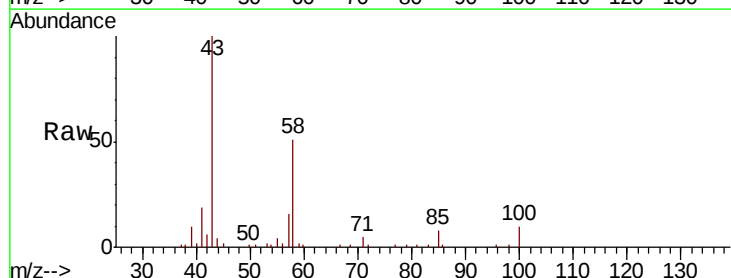
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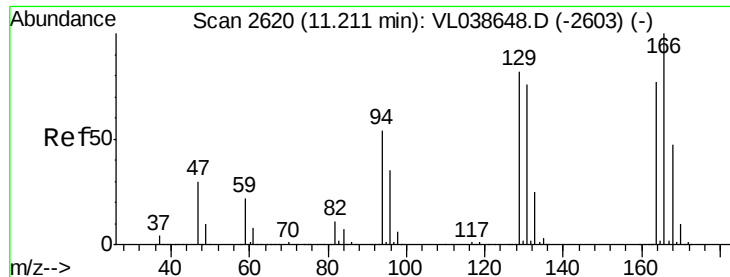
Reviewed By :Semsettin Yesilyurt 04/02/2022
Supervised By :Mahesh Dadoda 04/04/2022



#51
2-Hexanone
Concen: 0.580 ppbv m
RT: 10.14 min Scan# 2287
Delta R.T. 0.02 min
Lab File: VL038801.D
Acq: 30 Mar 2022 19:22

Tgt Ion: 43 Resp: 79065
Ion Ratio Lower Upper
43 100
58 48.3 41.2 61.8
98 0.8 0.2 0.4#





#52

Tetrachloroethene

Concen: 2.448 ppbv

RT: 11.21

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 30 Mar 2022 19:22

Tot Ion:1

Ion Rati

164 100

166 127.

129 95.

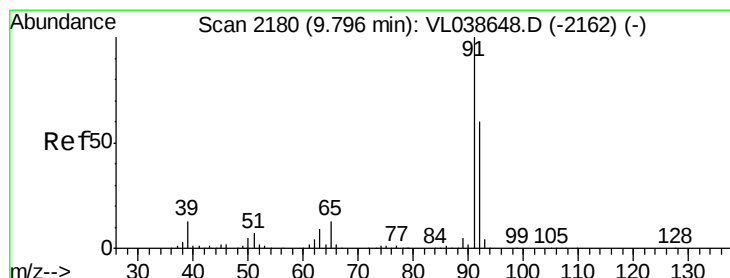
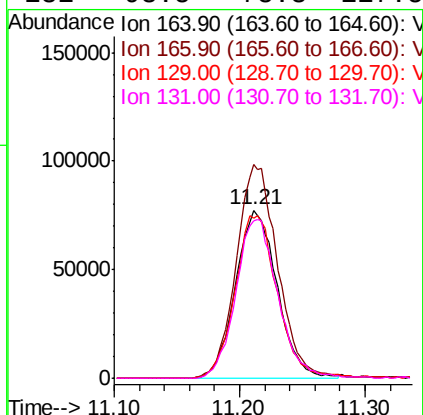
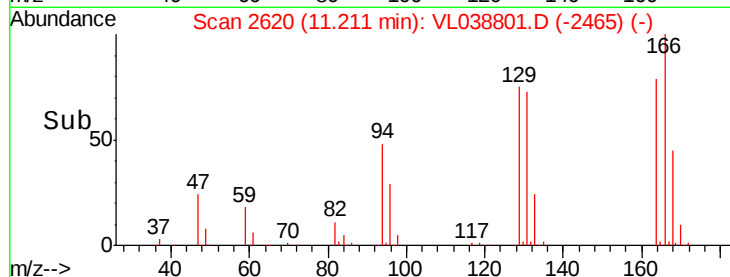
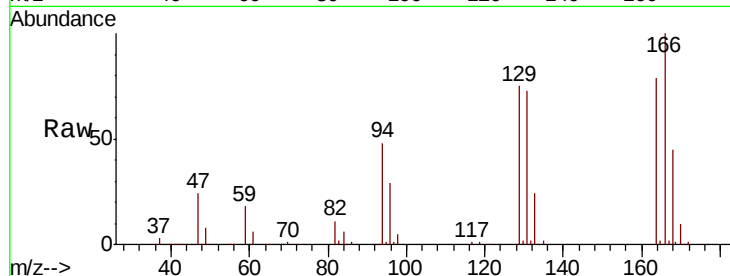
131 93.5 78.3 117.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/02/2022

Supervised By :Mahesh Dadoda 04/04/2022



#53

Toluene

Concen: 0.190 ppbv

RT: 9.80 min Scan# 2181

Delta R.T. 0.00 min

Lab File: VL038801.D

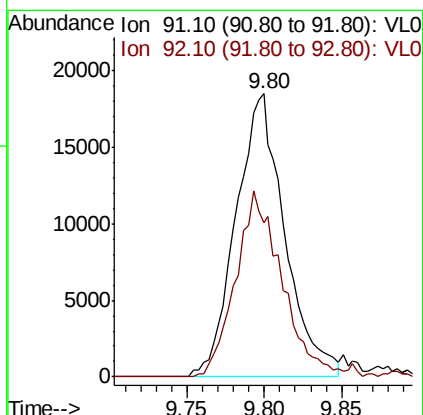
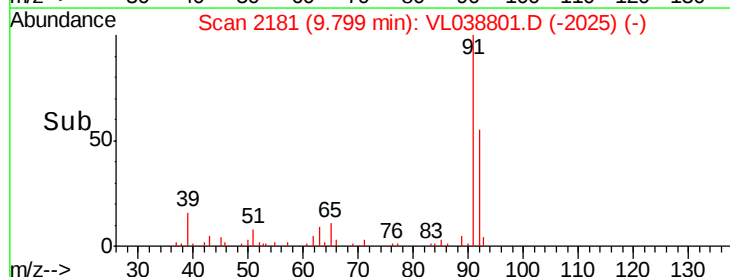
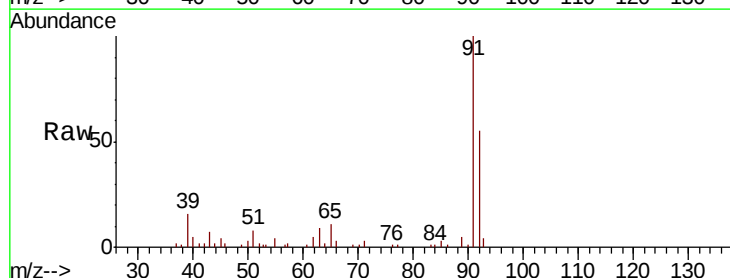
Acq: 30 Mar 2022 19:22

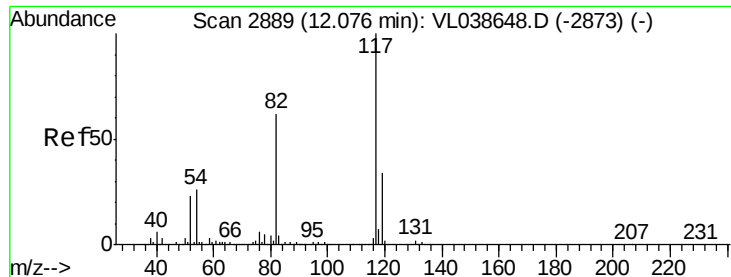
Tgt Ion: 91 Resp: 40600

Ion Ratio Lower Upper

91 100

92 63.0 48.7 73.1



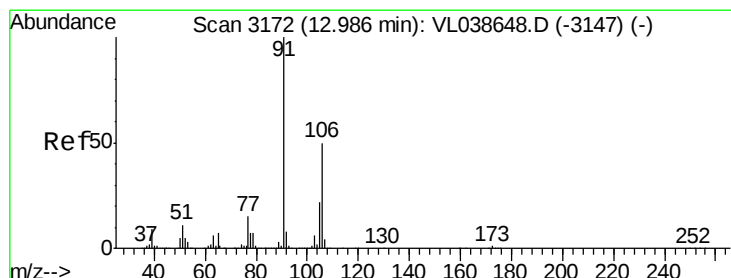
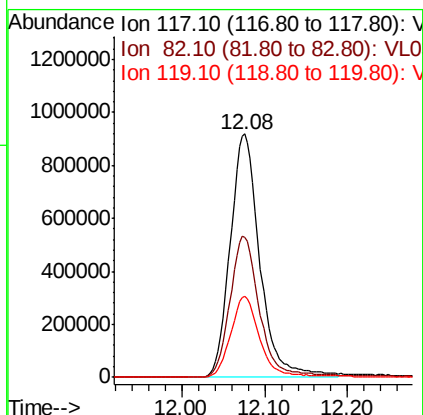
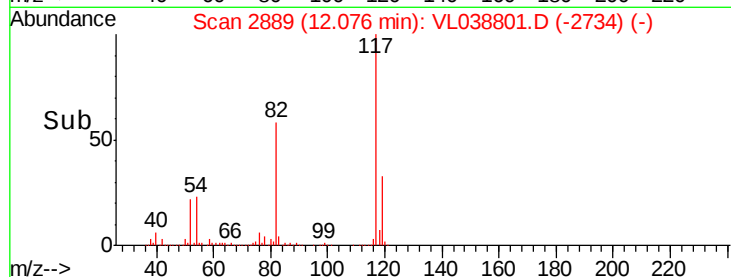
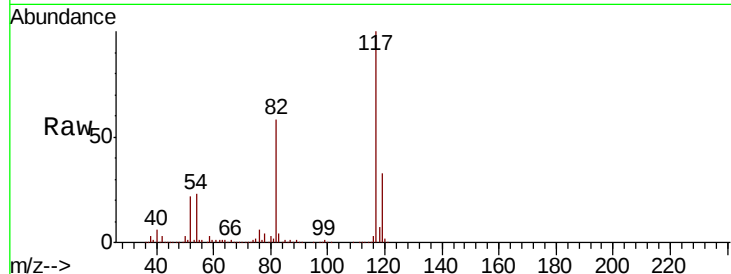


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.08
Instrument: MSVOA_L
Delta R.T.:
Lab File: ClientSampleId :
SV4DL
Acq: 30 Mar 2022 19:22

Tot Ion: 1
Ion Ratio
117 100
82 59.
119 33.

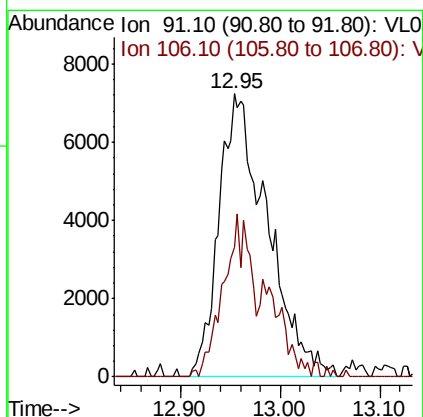
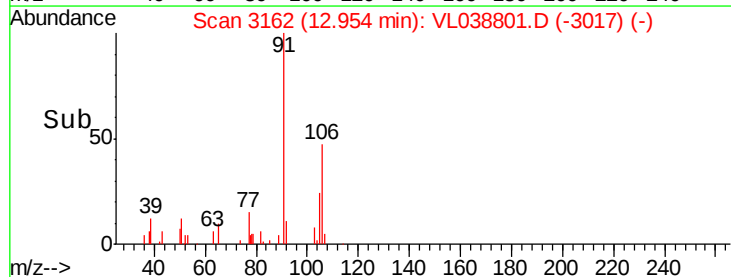
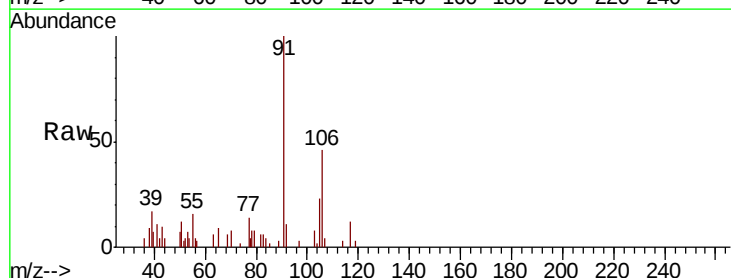
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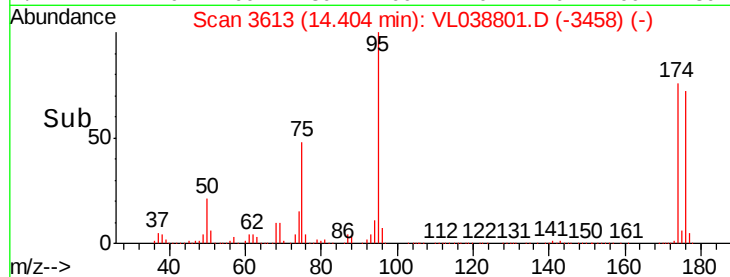
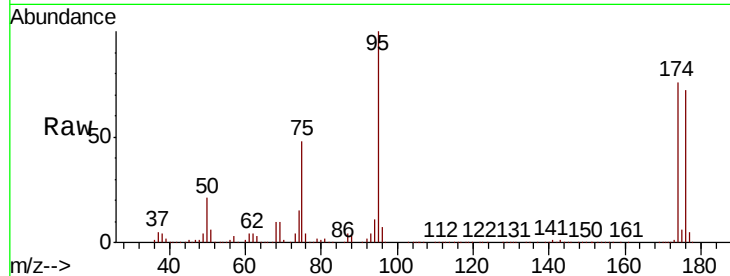
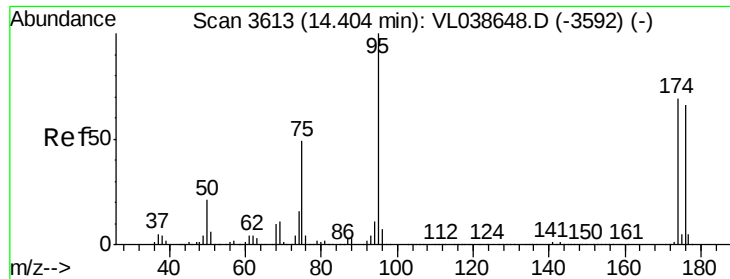
Reviewed By : Semsettin Yesilyurt 04/02/2022
Supervised By : Mahesh Dadoda 04/04/2022



#59
m/p-Xylene
Concen: 0.104 ppbv m
RT: 12.95 min Scan# 3162
Delta R.T. -0.03 min
Lab File: VL038801.D
Acq: 30 Mar 2022 19:22

Tgt Ion: 91 Resp: 24404
Ion Ratio Lower Upper
91 100
106 0.0 37.2 55.8#





#68

1-Bromo-4-Fluorobenzene

Concen: 9.091 ppbv

RT: 14.40

Delta R.T: MSVOA_L

Lab File: ClientSampleId :

Acq: 30 Mar 2022 19:22

Tot Ion:

Ion Ratio

95 100

174 78.

175 5.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/02/2022

Supervised By :Mahesh Dadoda 04/04/2022

