

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL032322\
 Data File : VL038740.D
 Acq On : 24 Mar 2022 7:07
 Operator : SY/AP
 Sample : N2052-01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 C0P95

Manual Integrations
 APPROVED

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

Quant Time: Mar 24 08:19:10 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	699743	10.00	ppbv	0.01
33) 1,4-Difluorobenzene	7.18	114	1910562	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	1767702	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	1239936	9.15	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	91.50%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.05	85	23484	0.25	ppbv	99
3) Chlorodifluoromethane	2.99	51	18660	0.25	ppbv	95
4) Chloromethane	3.15	50	4977m	0.12	ppbv	
9) Propene	3.02	41	43359	1.22	ppbv	100
11) Trichlorofluoromethane	3.96	101	25036	0.30	ppbv	97
13) Ethanol	3.60	45	213351	54.21	ppbv	98
15) Acetone	3.85	43	923754	15.30	ppbv #	84
17) tert-Butyl alcohol	4.29	59	49061	0.93	ppbv	97
19) Isopropyl Alcohol	3.97	45	64731	1.93	ppbv #	1
20) Methylene Chloride	4.35	84	9884m	0.39	ppbv	
26) Hexane	5.69	57	13939m	0.20	ppbv	
27) Carbon Disulfide	4.55	76	10304m	0.15	ppbv	
29) Chloroform	5.75	83	166048	1.52	ppbv	96
34) 2-Butanone	5.24	43	1050028	13.89	ppbv	99
36) Benzene	6.89	78	19078	0.13	ppbv	93
51) 2-Hexanone	10.14	43	99681	0.99	ppbv #	95
52) Tetrachloroethene	11.22	164	1471105	27.26	ppbv	98
53) Toluene	9.80	91	72984	0.46	ppbv	99
58) Ethyl Benzene	12.70	91	21452m	0.10	ppbv	
59) m/p-Xylene	12.96	91	42572m	0.24	ppbv	
60) o-Xylene	13.69	91	20998m	0.12	ppbv	
73) 1,3,5-Trimethylbenzene	16.00	105	22237m	0.12	ppbv	
74) 1,2,4-Trimethylbenzene	16.76	105	36534	0.18	ppbv #	73

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

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Instrument :
MSVOA_L
ClientSampleId :
C0P95

Manual Integrations
APPROVED

Quant Time: Mar 24 08:19:10 2022

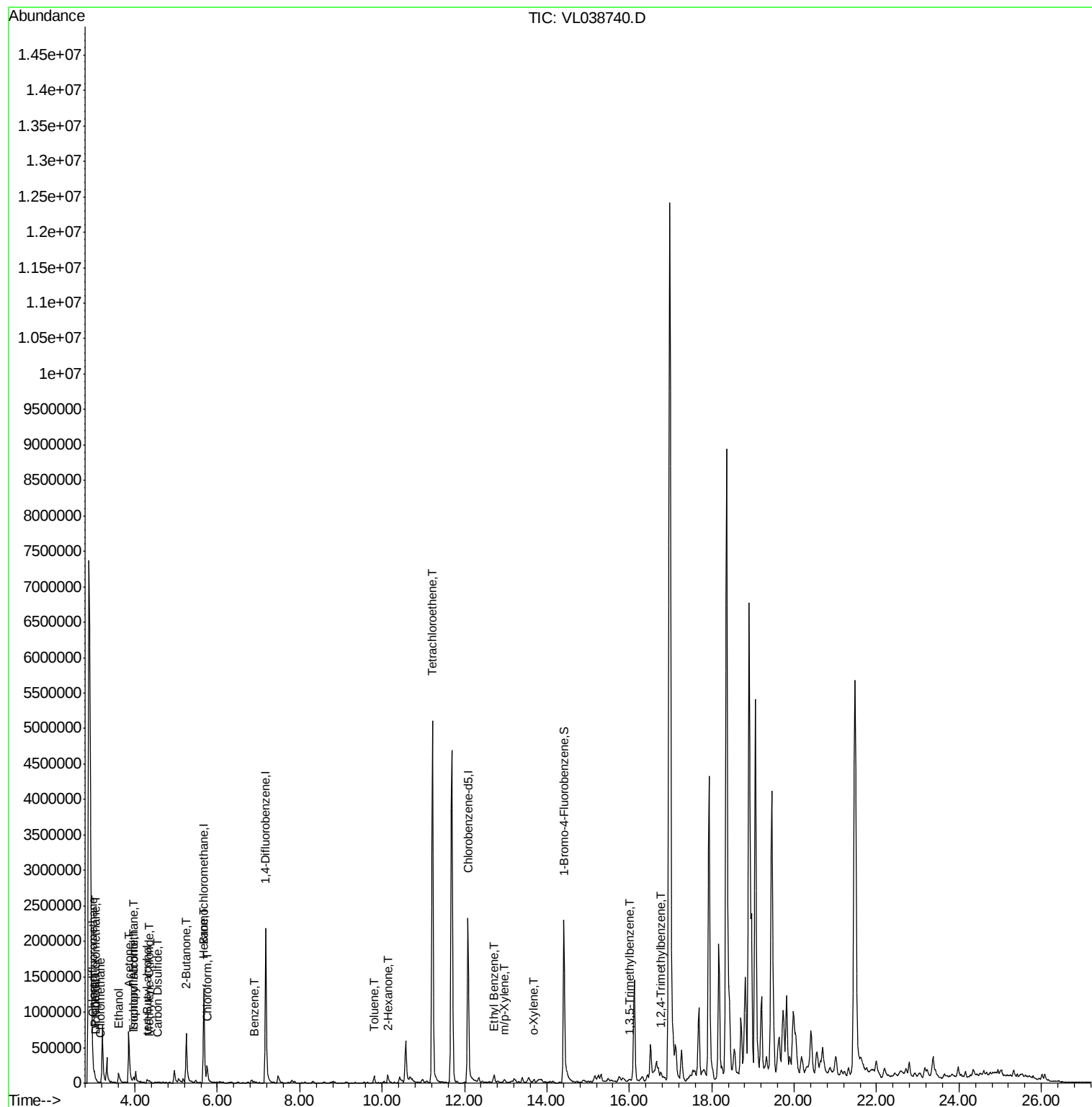
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_L\METHODS\VL032122

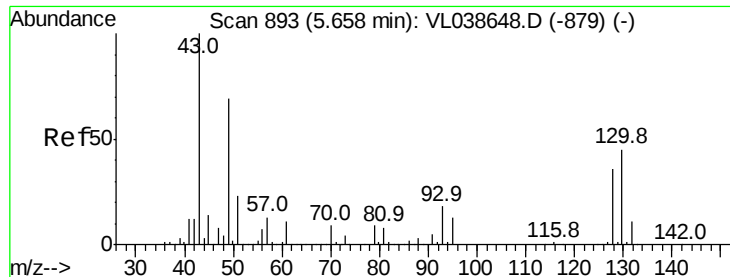
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:

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

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 24 Mar 2022 7:07

Tgt Ion:

Ion Ratio

49 100

128 56.

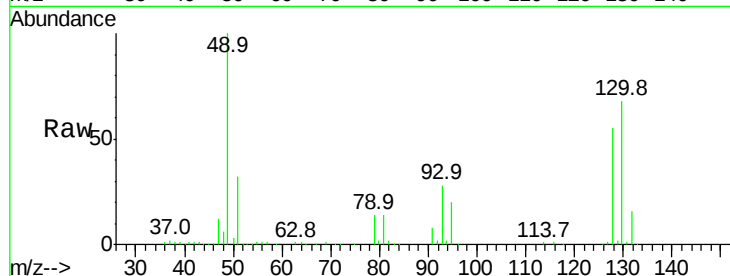
130 72.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 03/24/2022

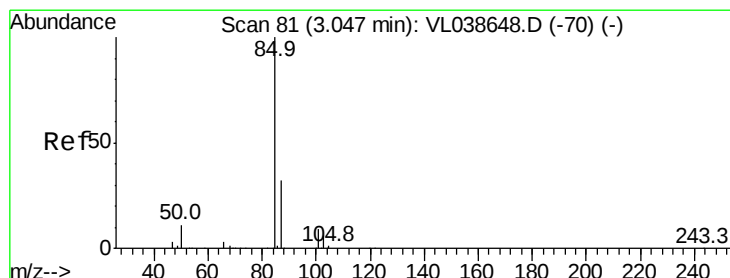
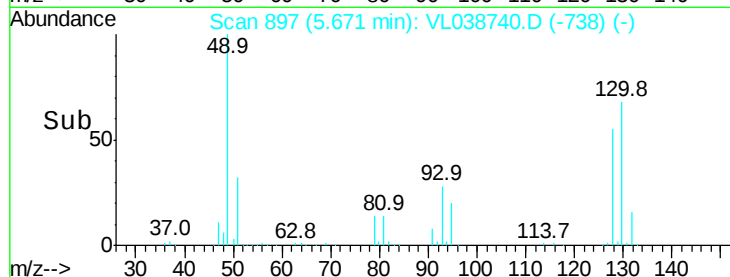
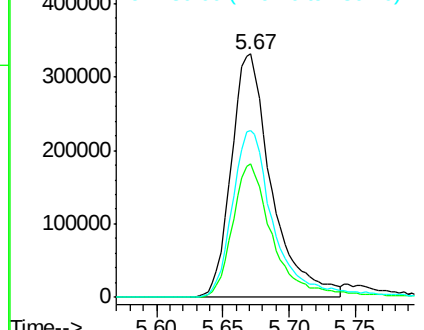
Supervised By :Mahesh Dadoda 03/28/2022



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: 0.25 ppbv

RT: 3.05 min Scan# 83

Delta R.T. 0.01 min

Lab File: VL038740.D

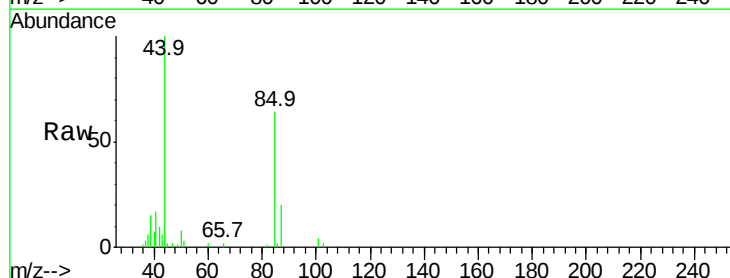
Acq: 24 Mar 2022 7:07

Tgt Ion: 85 Resp: 23484

Ion Ratio Lower Upper

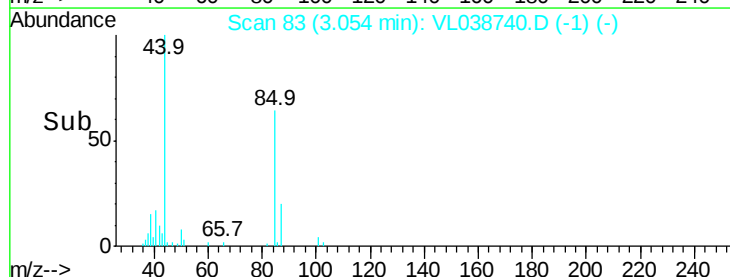
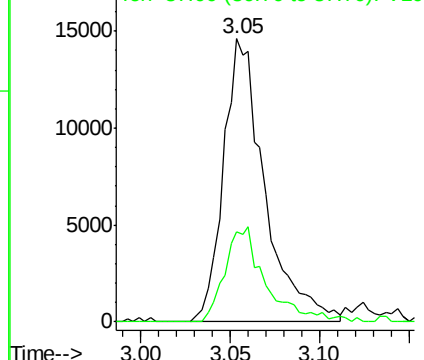
85 100

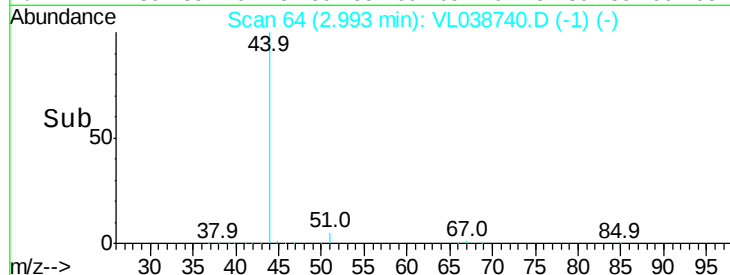
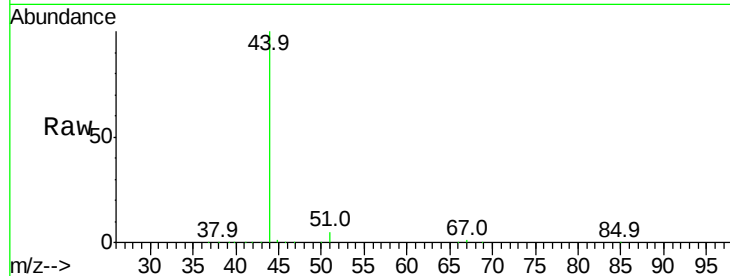
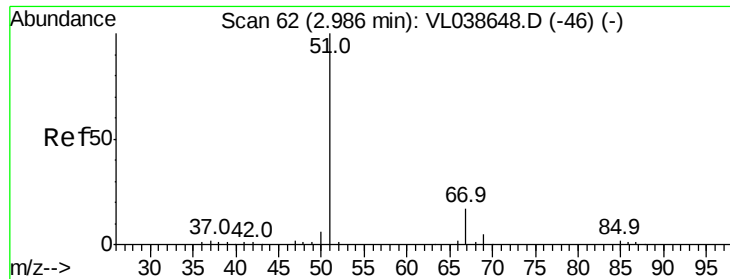
87 31.9 26.0 39.0



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0



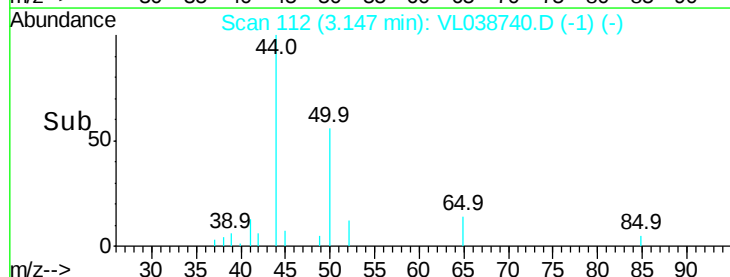
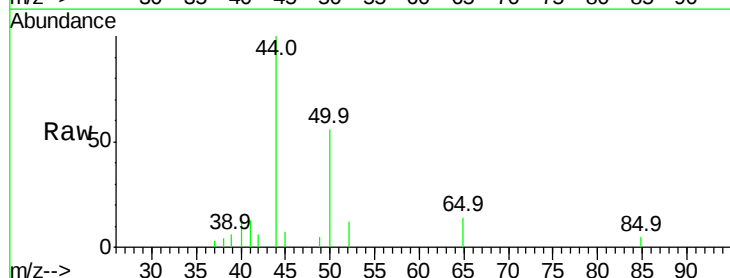
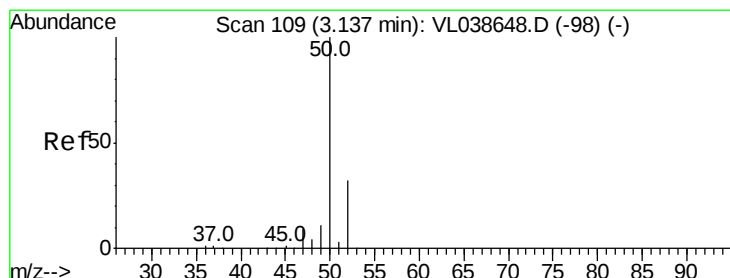
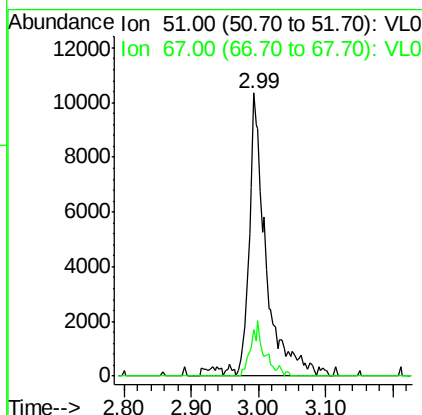


#3
Chlorodifluoromethane
Concen: 0.25 ppbv
RT: 2.99
Instrument: MSVOA_L
Delta R.T.:
Lab File: ClientSampleId:
COP95
Acq: 24 Mar 2022 7:07

Tgt Ion:
Ion Ratio
51 100
67 15.

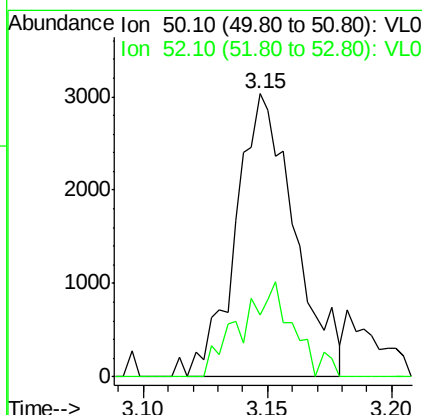
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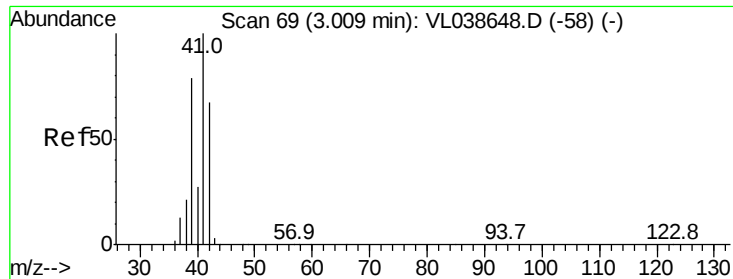
Reviewed By :Semsettin Yesilyurt 03/24/2022
Supervised By :Mahesh Dadoda 03/28/2022



#4
Chloromethane
Concen: 0.12 ppbv m
RT: 3.15 min Scan# 112
Delta R.T. 0.01 min
Lab File: VL038740.D
Acq: 24 Mar 2022 7:07

Tgt Ion: 50 Resp: 4977
Ion Ratio Lower Upper
50 100
52 21.8 25.5 38.3#





#9

Propene

Concen: 1.22 ppbv

RT: 3.02 Instrument: MSVOA_1

Delta R.T. 0.01

Lab File: ClientSampleId :

Acq: 24 Mar 2022 7:07

Tgt Ion:

Ion Ratio

41 100

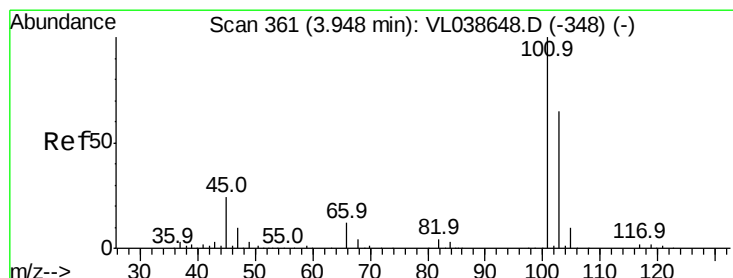
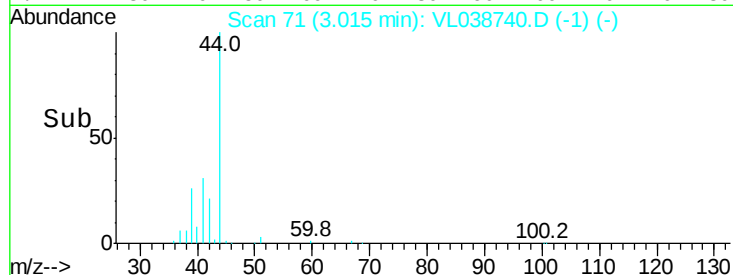
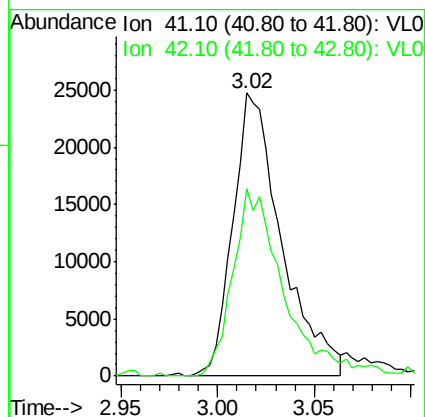
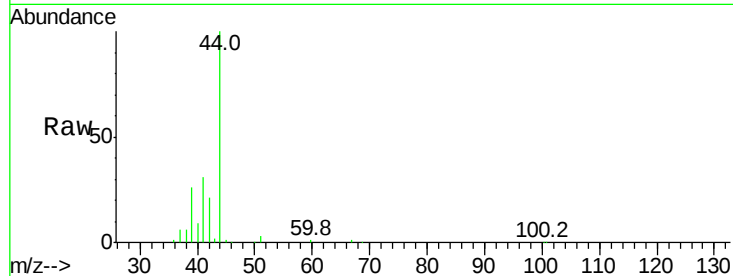
42 70.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 03/24/2022

Supervised By :Mahesh Dadoda 03/28/2022



#11

Trichlorofluoromethane

Concen: 0.30 ppbv

RT: 3.96 min Scan# 364

Delta R.T. 0.01 min

Lab File: VL038740.D

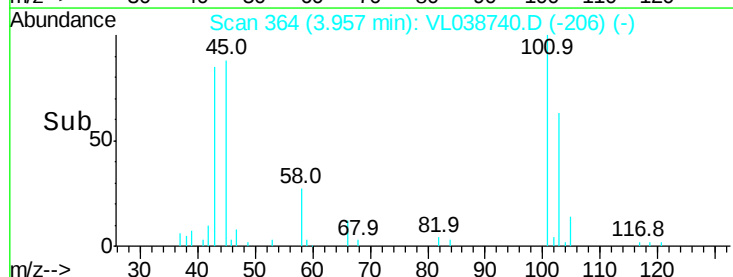
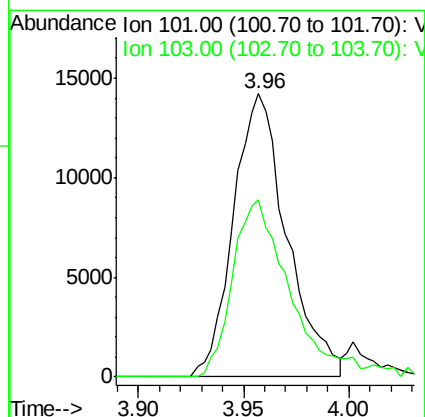
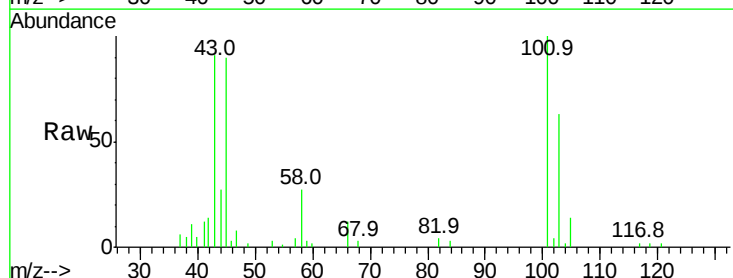
Acq: 24 Mar 2022 7:07

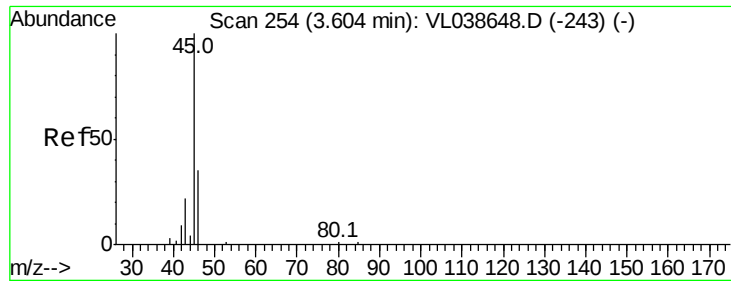
Tgt Ion:101 Resp: 25036

Ion Ratio Lower Upper

101 100

103 62.6 51.9 77.9



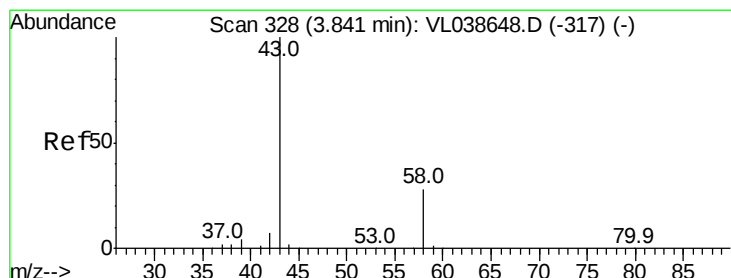
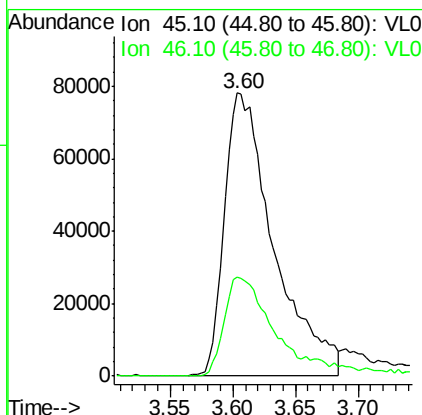
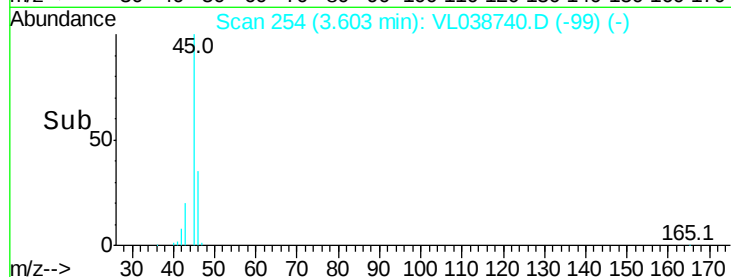
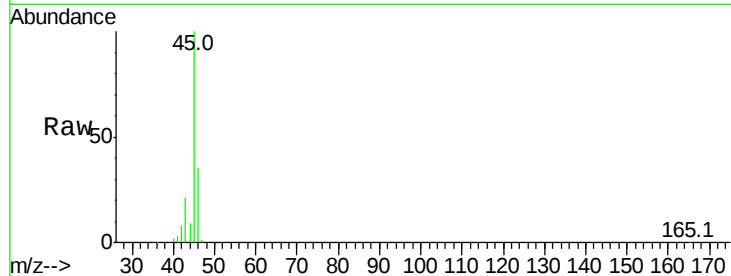


#13
Ethanol
Concen: 54.21 ppbv
RT: 3.60
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
COP95
Acq: 24 Mar 2022 7:07

Tgt Ion:
Ion Ratio
45 100
46 38.

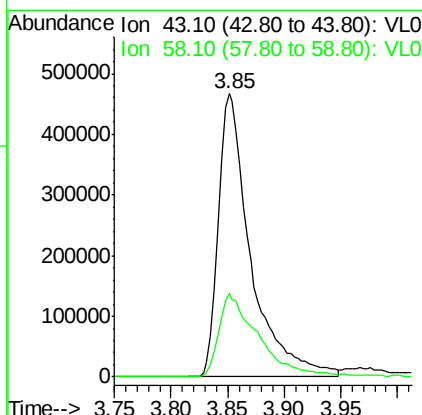
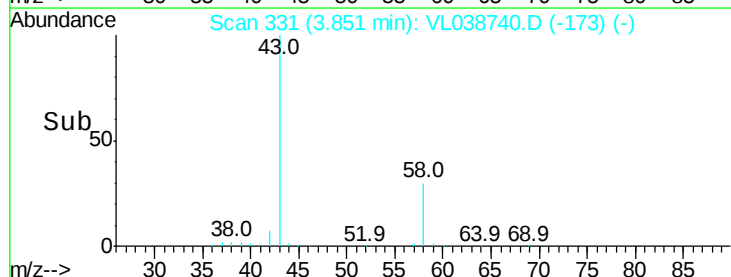
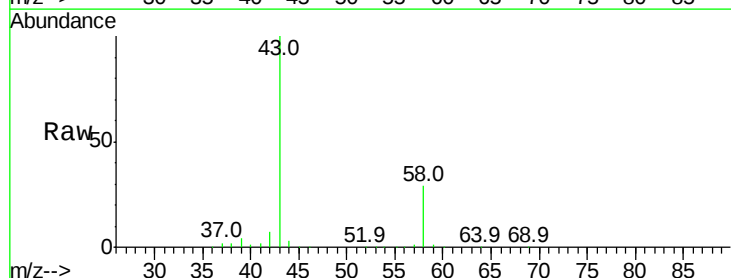
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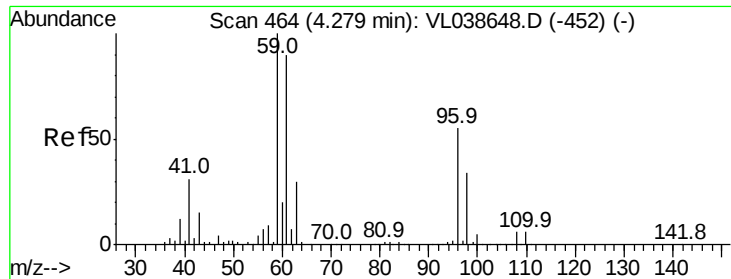
Reviewed By :Semsettin Yesilyurt 03/24/2022
Supervised By :Mahesh Dadoda 03/28/2022



#15
Acetone
Concen: 15.30 ppbv
RT: 3.85 min Scan# 331
Delta R.T. 0.01 min
Lab File: VL038740.D
Acq: 24 Mar 2022 7:07

Tgt Ion: 43 Resp: 923754
Ion Ratio Lower Upper
43 100
58 37.5 23.3 34.9#



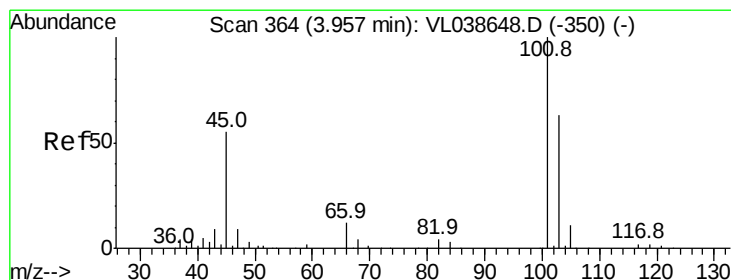
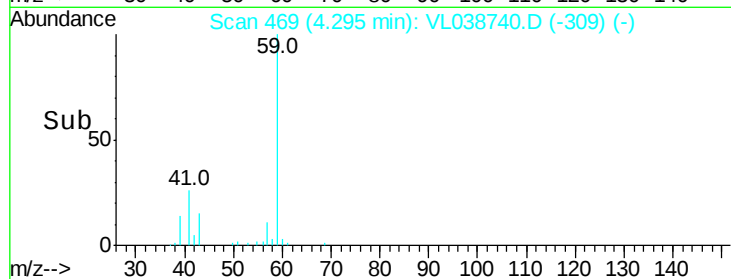
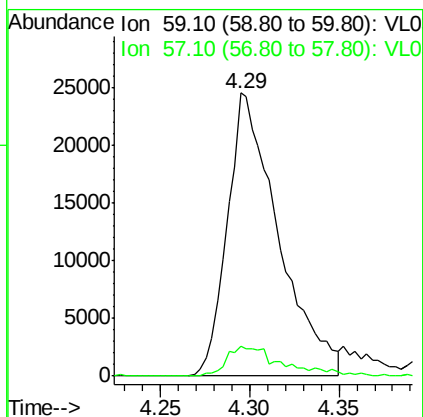
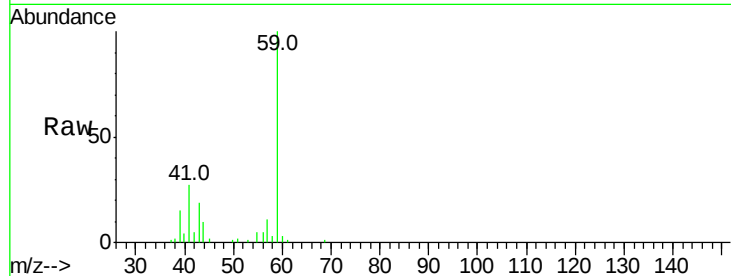


#17
 tert-Butyl alcohol
 Concen: 0.93 ppbv
 RT: 4.29
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 C0P95
 Acq: 24 Mar 2022 7:07

Tgt Ion:
 Ion Ratio
 59 100
 57 11.

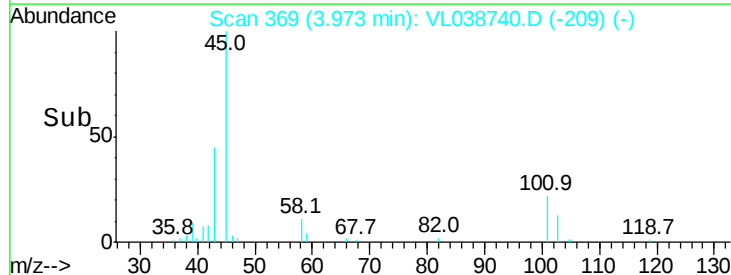
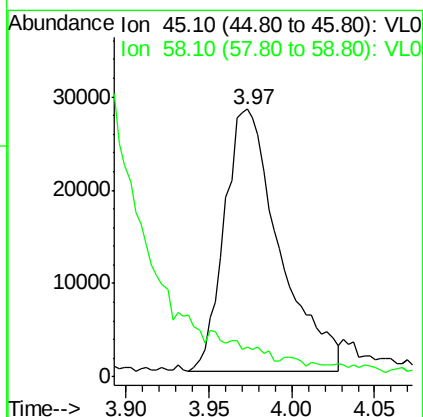
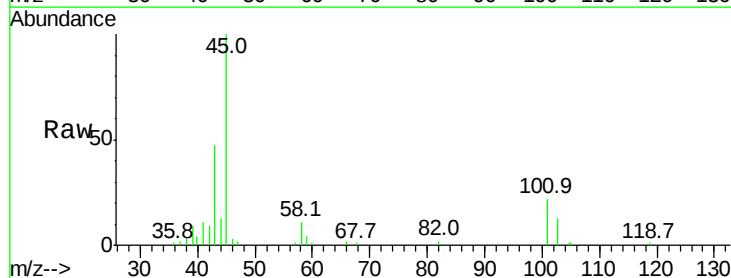
Manual Integrations
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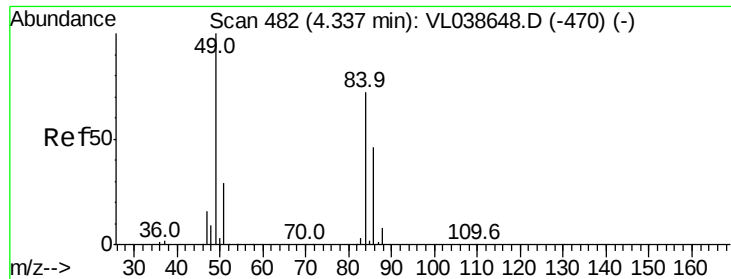
Reviewed By :Semsettin Yesilyurt 03/24/2022
 Supervised By :Mahesh Dadoda 03/28/2022



#19
 Isopropyl Alcohol
 Concen: 1.93 ppbv
 RT: 3.97 min Scan# 369
 Delta R.T. 0.02 min
 Lab File: VL038740.D
 Acq: 24 Mar 2022 7:07

Tgt Ion: 45 Resp: 64731
 Ion Ratio Lower Upper
 45 100
 58 534.8 2.3 3.5#



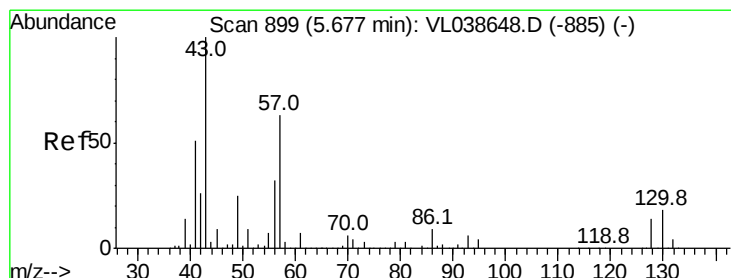
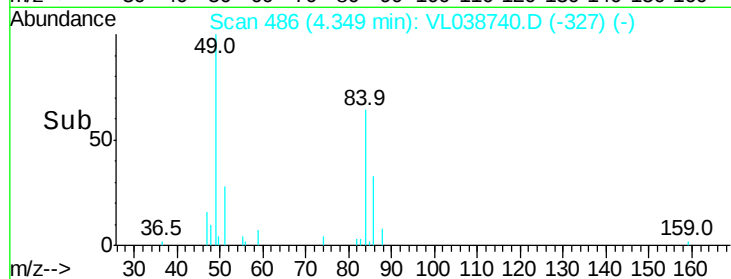
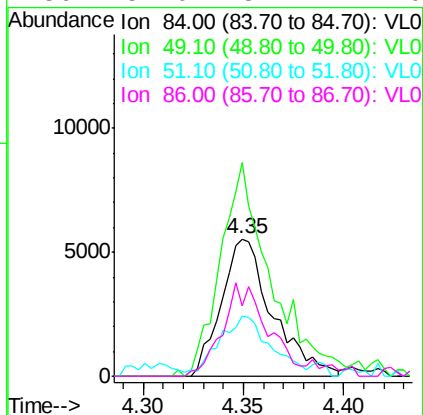
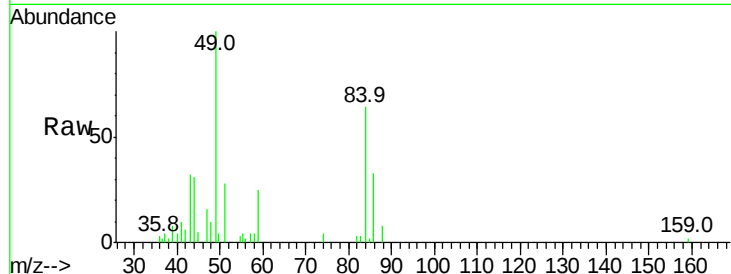


#20
Methylene Chloride
Concen: 0.39 ppbv m
RT: 4.35
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
COP95
Acq: 24 Mar 2022 7:07

Tgt Ion: 84.00 (83.70 to 84.70): VL0
Ion Ratio 100
49 155.
51 44.
86 51.0 51.4 77.0#

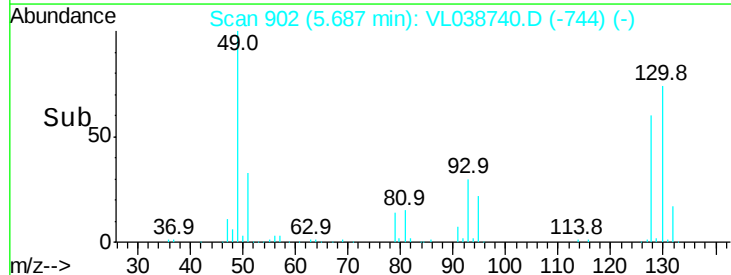
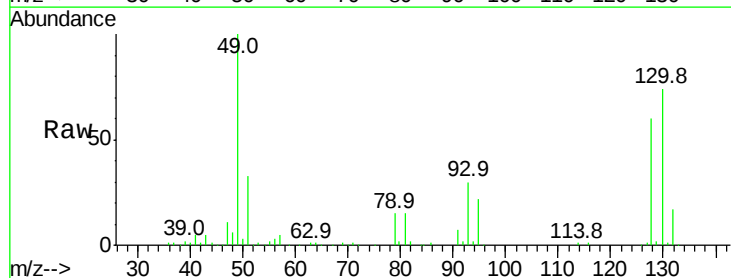
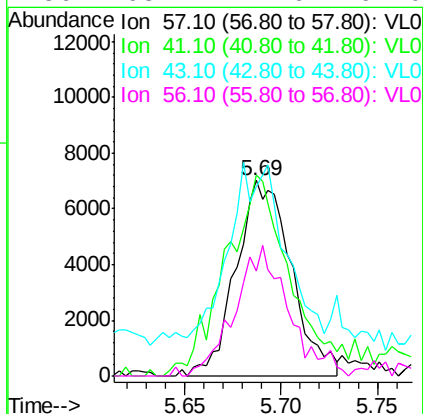
Manual Integrations
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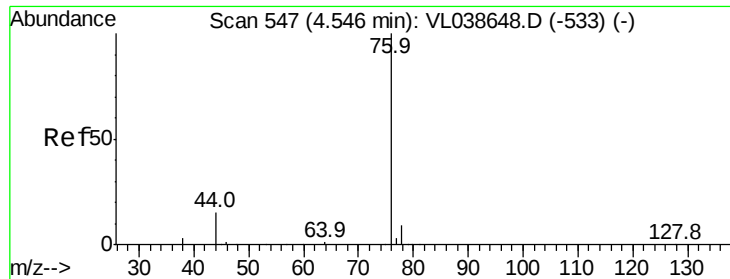
Reviewed By :Semsettin Yesilyurt 03/24/2022
Supervised By :Mahesh Dadoda 03/28/2022



#26
Hexane
Concen: 0.20 ppbv m
RT: 5.69 min Scan# 902
Delta R.T. 0.01 min
Lab File: VL038740.D
Acq: 24 Mar 2022 7:07

Tgt Ion: 57.10 (56.80 to 57.80): VL0
Ion Ratio 100
41 0.0 67.0 100.4#
43 0.0 184.2 276.2#
56 65.4 42.6 64.0#



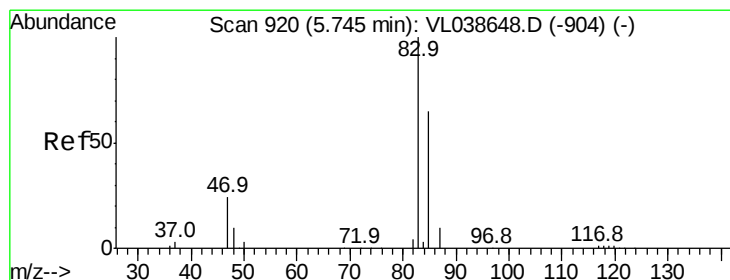
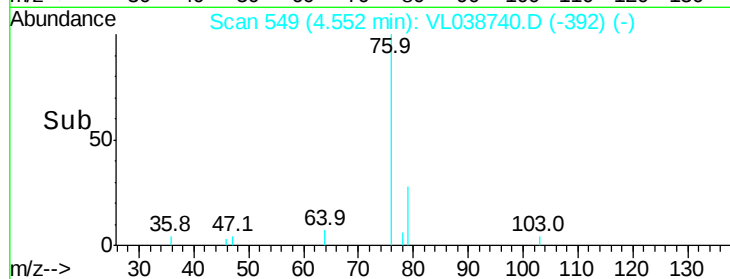
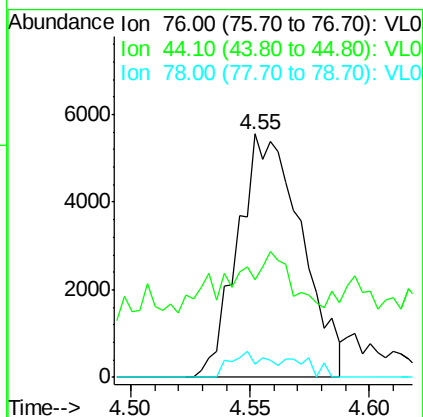
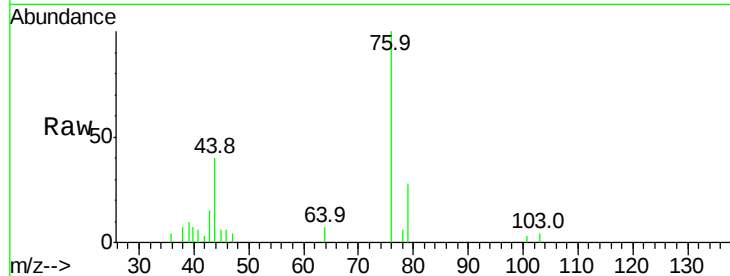


#27
Carbon Disulfide
Concen: 0.15 ppbv m
RT: 4.55 Instrument: MSVOA_L
Delta R.T. ClientSampleId:
Lab File: COP95
Acq: 24 Mar 2022 7:07

Tgt Ion:
Ion Ratio
76 100
44 26.
78 0.

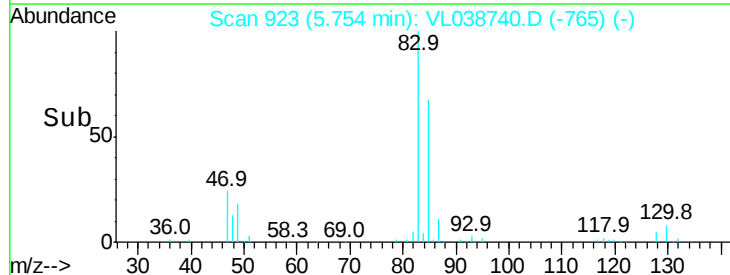
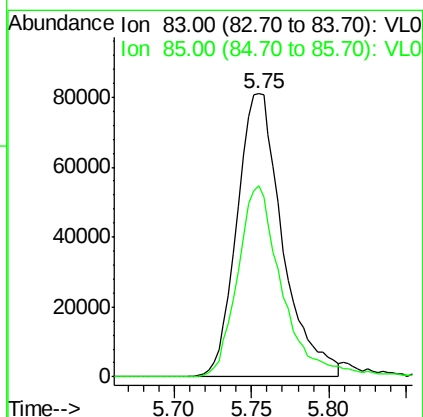
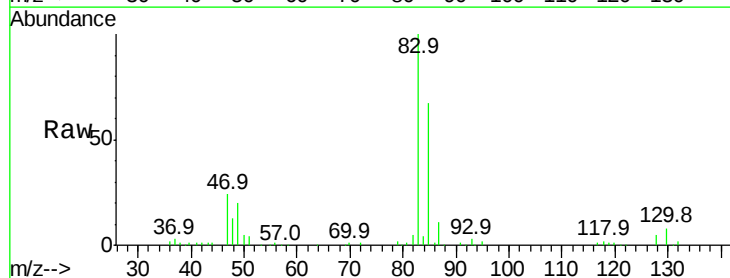
Manual Integrations
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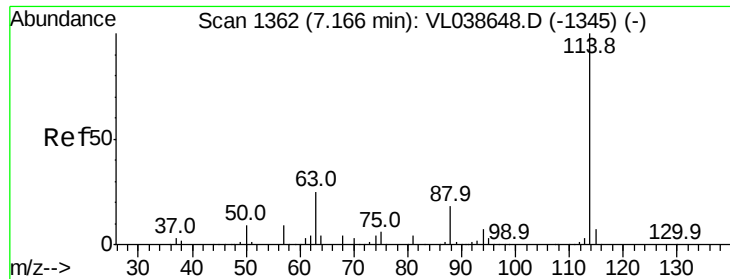
Reviewed By :Semsettin Yesilyurt 03/24/2022
Supervised By :Mahesh Dadoda 03/28/2022



#29
Chloroform
Concen: 1.52 ppbv
RT: 5.75 min Scan# 923
Delta R.T. 0.01 min
Lab File: VL038740.D
Acq: 24 Mar 2022 7:07

Tgt Ion: 83 Resp: 166048
Ion Ratio Lower Upper
83 100
85 67.4 51.7 77.5



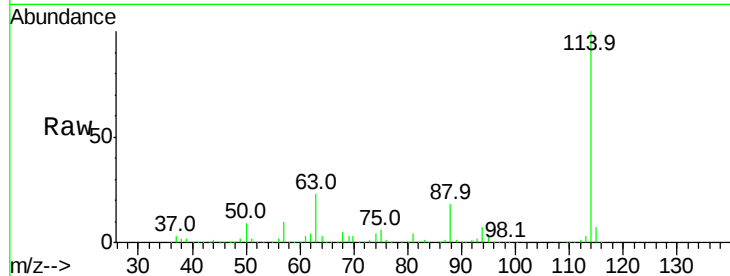


#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 7.18
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 Acq: 24 Mar 2022 7:07

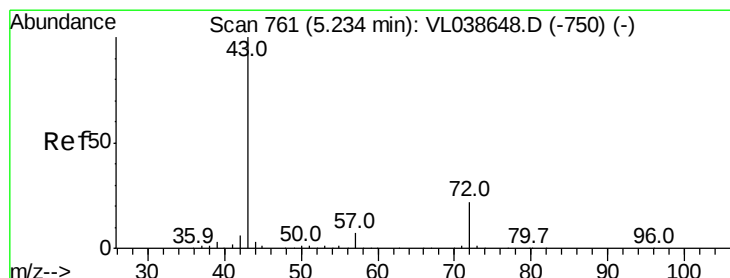
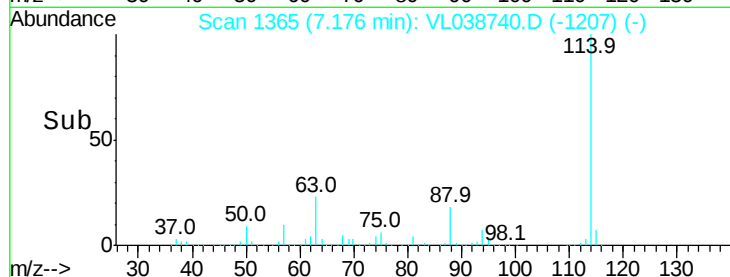
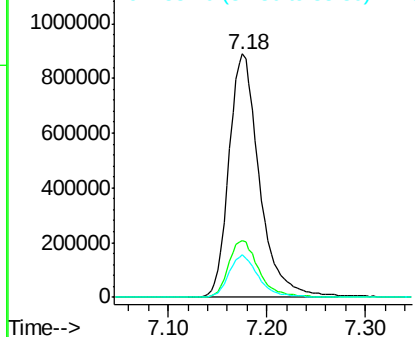
Tgt Ion: 1
 Ion Ratio
 114 100
 63 23.
 88 17.

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 Supervised By : Mahesh Dadoda 03/28/2022

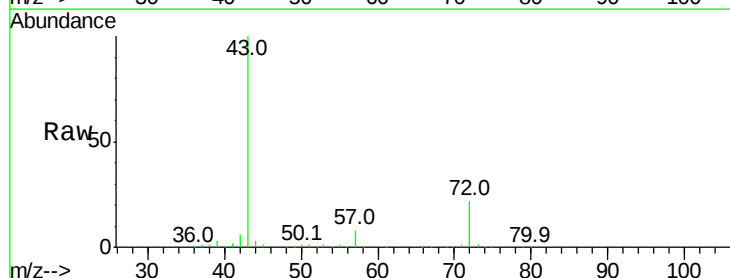


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

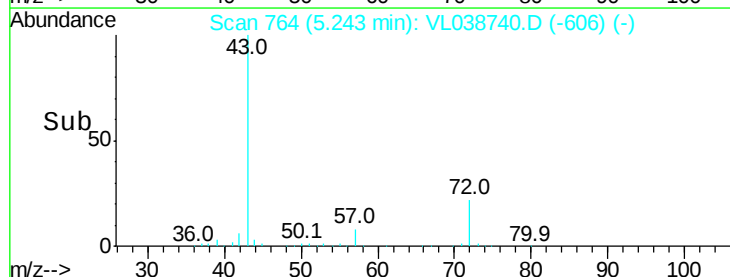
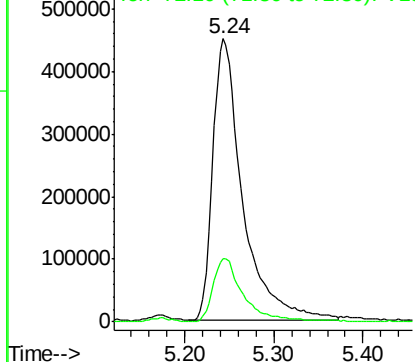


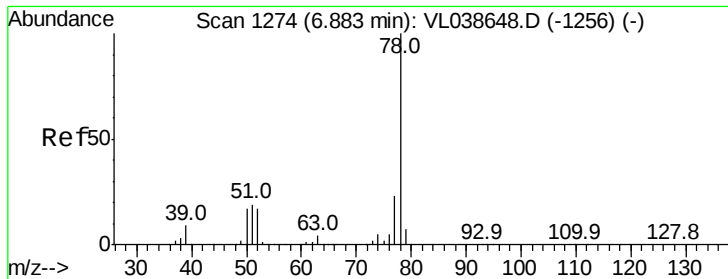
#34
 2-Butanone
 Concen: 13.89 ppbv
 RT: 5.24 min Scan# 764
 Delta R.T.: 0.01 min
 Lab File: VL038740.D
 Acq: 24 Mar 2022 7:07

Tgt Ion: 43 Resp: 1050028
 Ion Ratio Lower Upper
 43 100
 72 23.0 17.8 26.8



Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 72.10 (71.80 to 72.80): VL0





#36

Benzene

Concen: 0.13 ppbv

RT: 6.89 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 24 Mar 2022 7:07

Tgt Ion:

Ion Ratio

78 100

77 26.

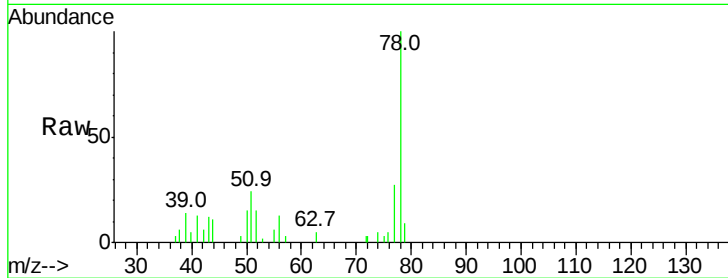
50 14.

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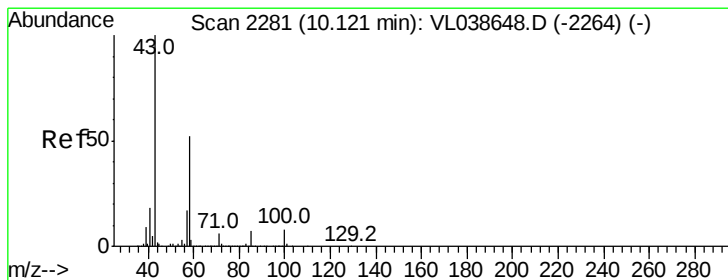
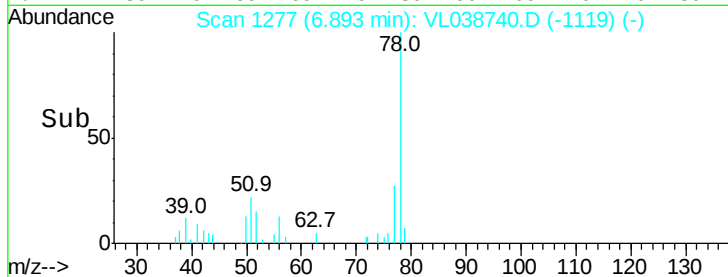
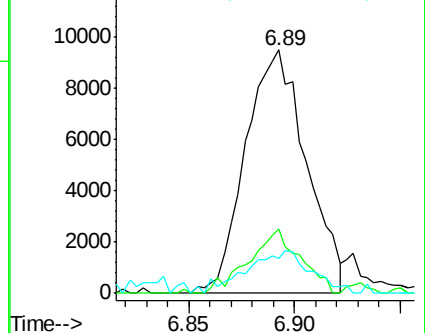
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Supervised By :Mahesh Dadoda 03/28/2022



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: 0.99 ppbv

RT: 10.14 min Scan# 2287

Delta R.T. 0.02 min

Lab File: VL038740.D

Acq: 24 Mar 2022 7:07

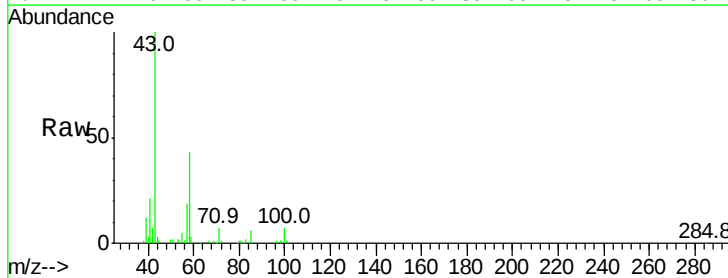
Tgt Ion: 43 Resp: 99681

Ion Ratio Lower Upper

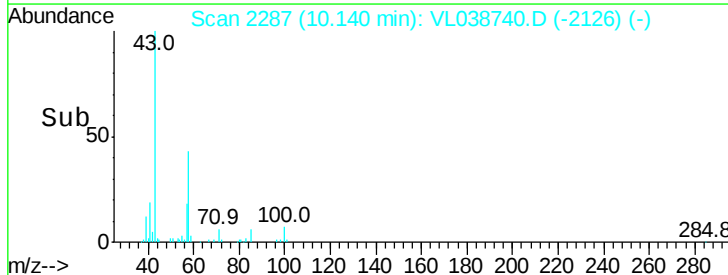
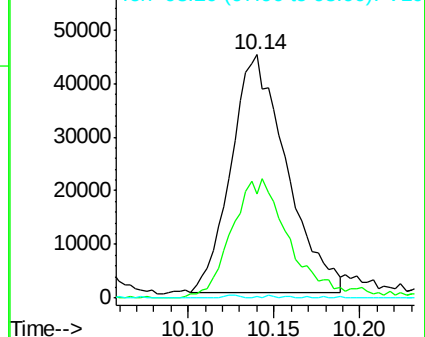
43 100

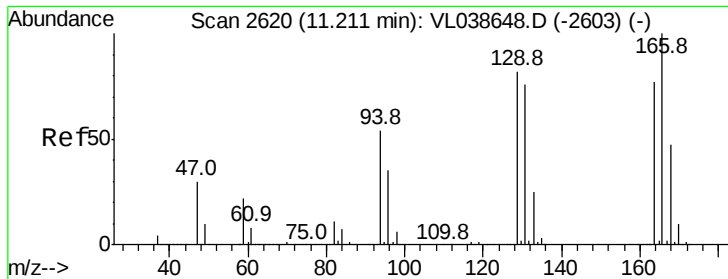
58 55.1 41.2 61.8

98 0.4 0.2 0.4#



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0
Ion 98.20 (97.90 to 98.90): VL0





#52

Tetrachloroethene

Concen: 27.26 ppbv

RT: 11.22

Delta R.T. MSVOA_L

Lab File:

ClientSampleId: C0P95

Acq: 24 Mar 2022 7:07

Tgt Ion: 1

Ion Ratio

164 100

166 126.

129 102.

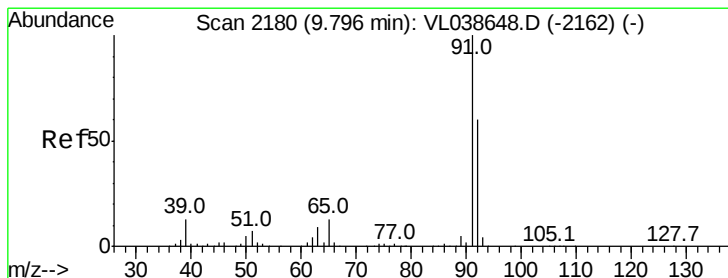
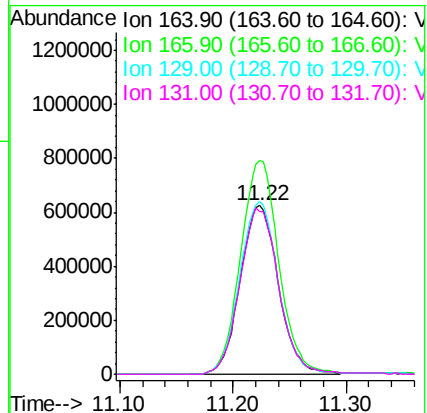
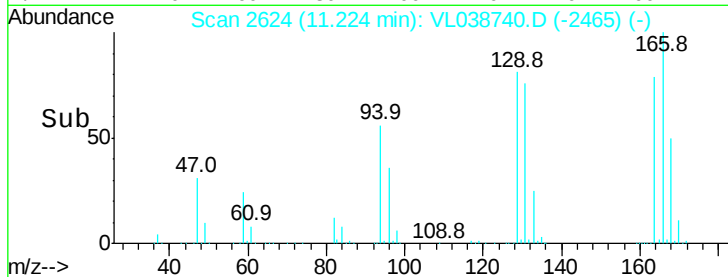
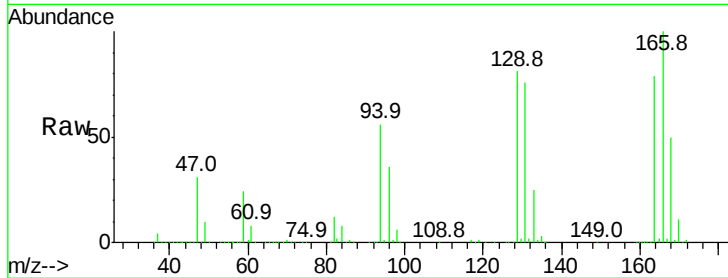
131 96.6 78.3 117.5

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Reviewed By :Semsettin Yesilyurt 03/24/2022

Supervised By :Mahesh Dadoda 03/28/2022



#53

Toluene

Concen: 0.46 ppbv

RT: 9.80 min Scan# 2182

Delta R.T. 0.01 min

Lab File: VL038740.D

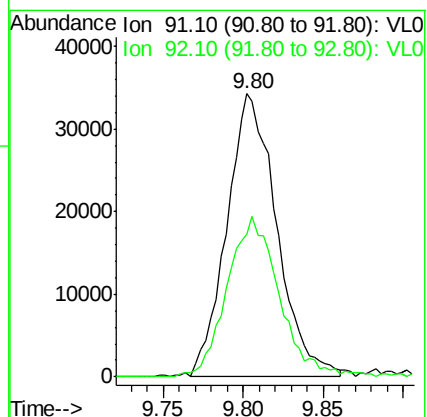
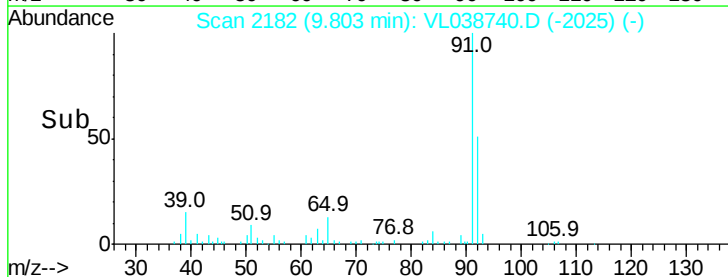
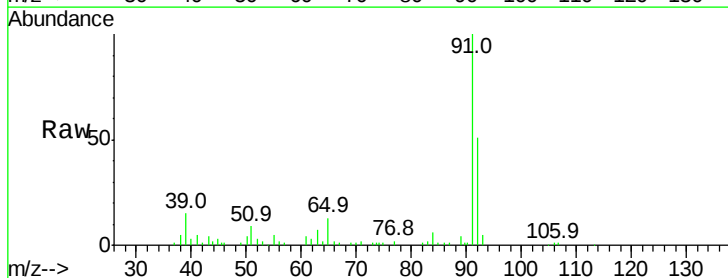
Acq: 24 Mar 2022 7:07

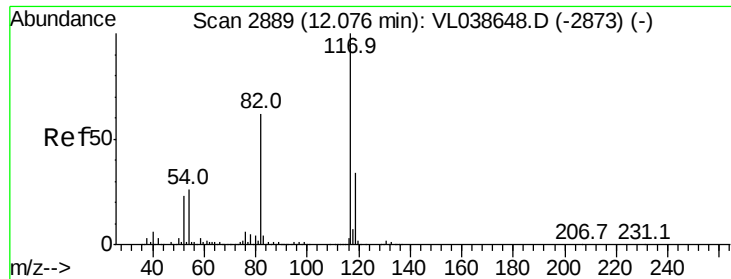
Tgt Ion: 91 Resp: 72984

Ion Ratio Lower Upper

91 100

92 59.8 48.7 73.1



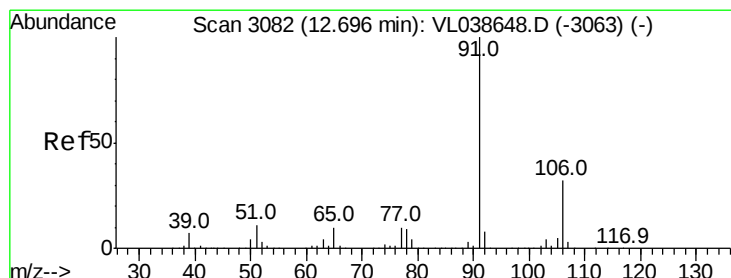
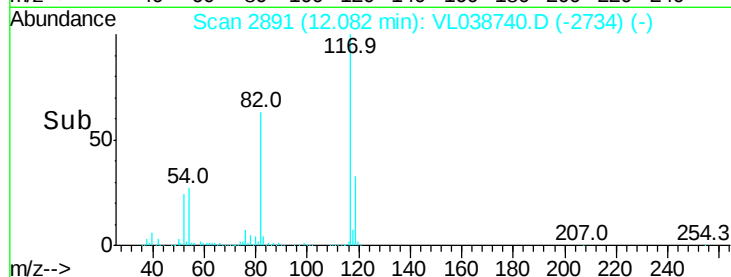
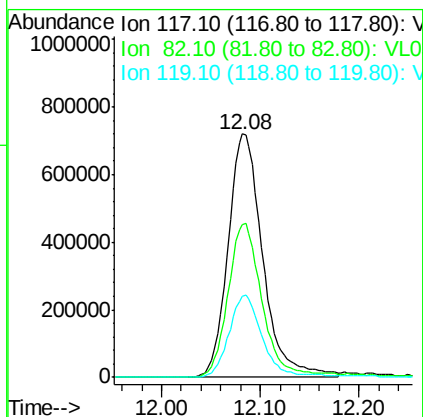
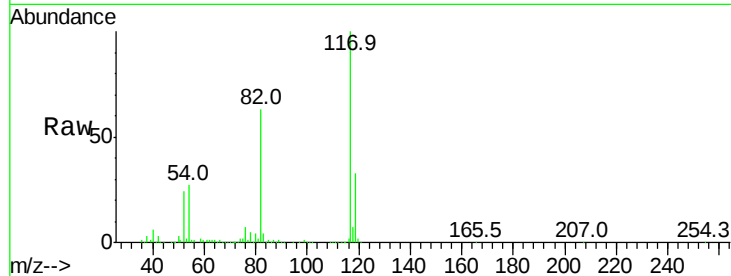


#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.08
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
COP95
Acq: 24 Mar 2022 7:07

Tgt Ion: 1
Ion Ratio
117 100
82 64.
119 33.

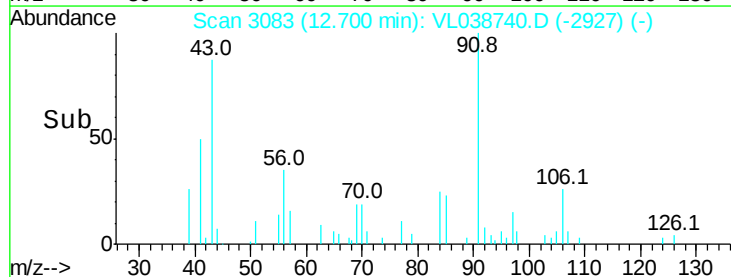
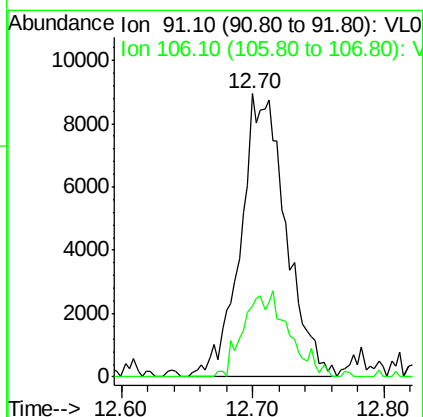
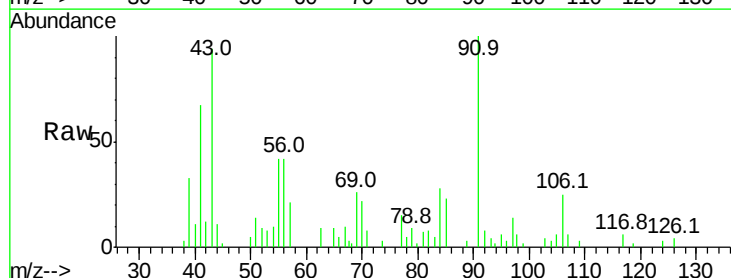
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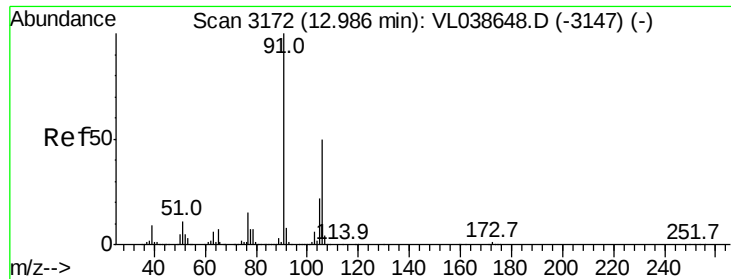
Reviewed By : Semsettin Yesilyurt 03/24/2022
Supervised By : Mahesh Dadoda 03/28/2022



#58
Ethyl Benzene
Concen: 0.10 ppbv m
RT: 12.70 min Scan# 3083
Delta R.T. 0.00 min
Lab File: VL038740.D
Acq: 24 Mar 2022 7:07

Tgt Ion: 91 Resp: 21452
Ion Ratio Lower Upper
91 100
106 24.9 25.4 38.0#



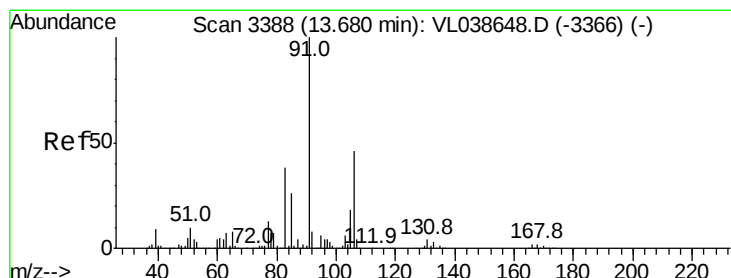
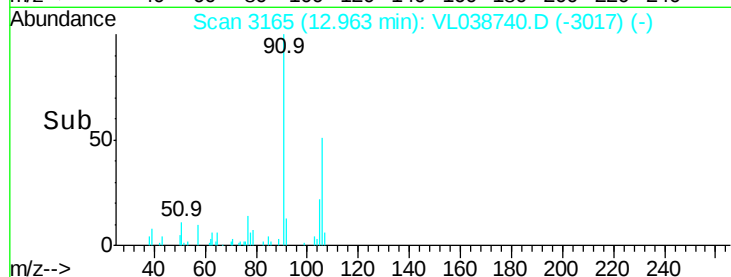
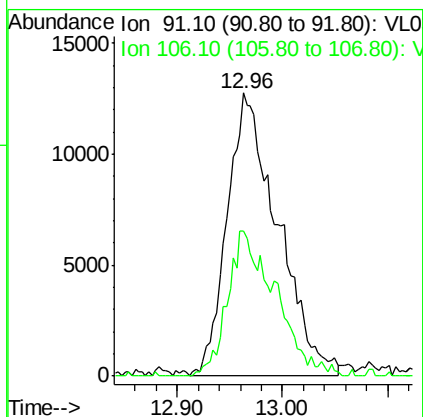
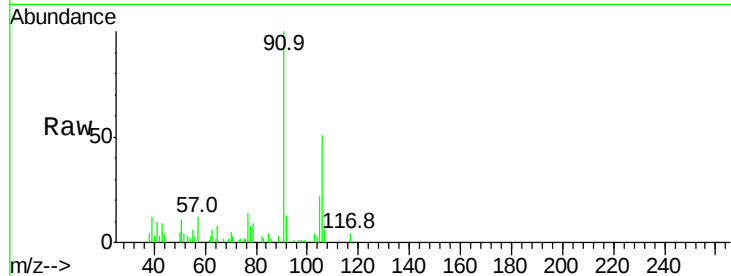


#59
m/p-Xylene
Concen: 0.24 ppbv m
RT: 12.96
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 24 Mar 2022 7:07

Tgt Ion:
Ion Ratio
91 100
106 0.

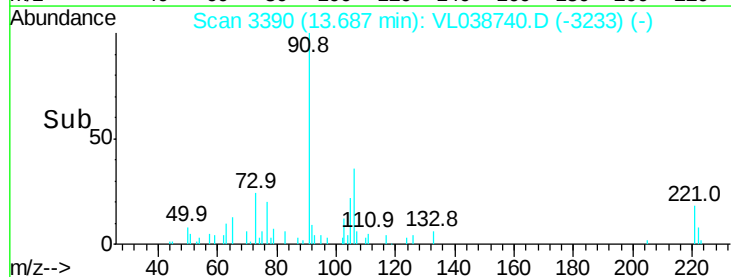
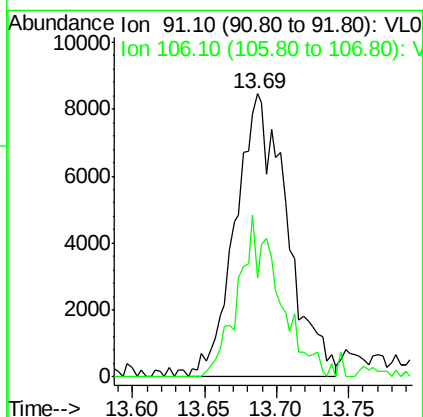
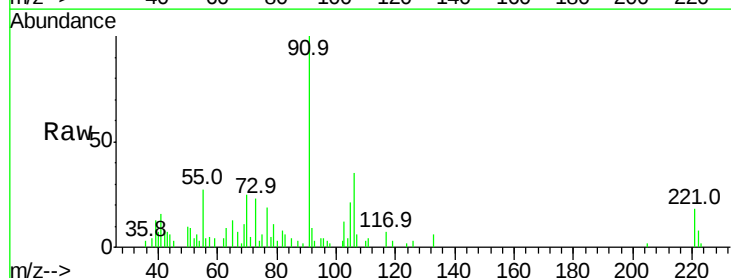
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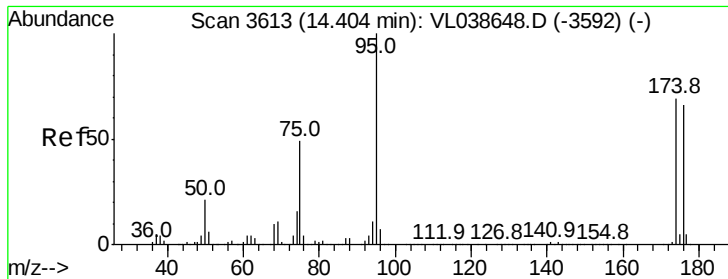
Reviewed By :Semsettin Yesilyurt 03/24/2022
Supervised By :Mahesh Dadoda 03/28/2022



#60
o-Xylene
Concen: 0.12 ppbv m
RT: 13.69 min Scan# 3390
Delta R.T. 0.01 min
Lab File: VL038740.D
Acq: 24 Mar 2022 7:07

Tgt Ion: 91 Resp: 20998
Ion Ratio Lower Upper
91 100
106 46.2 23.5 70.5



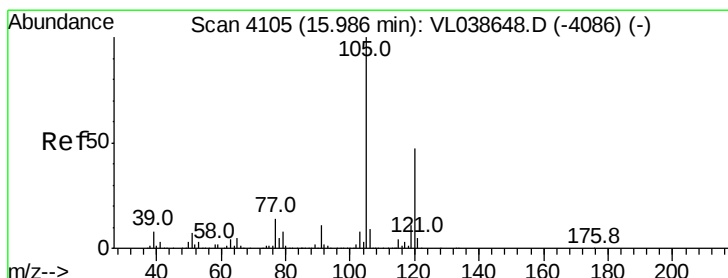
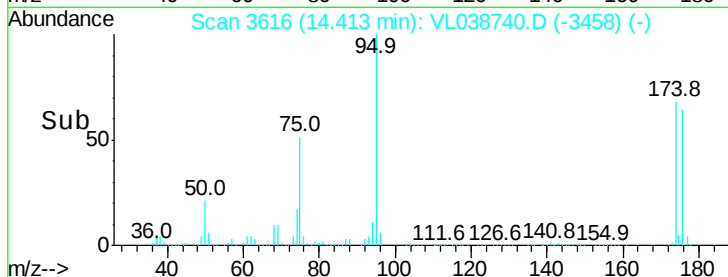
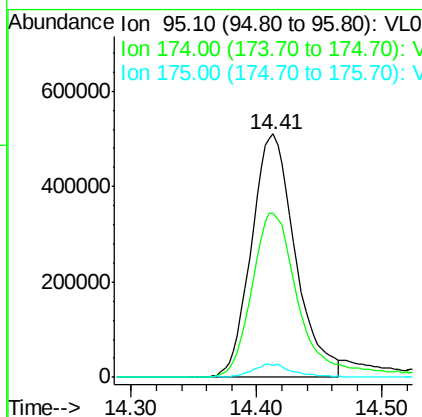
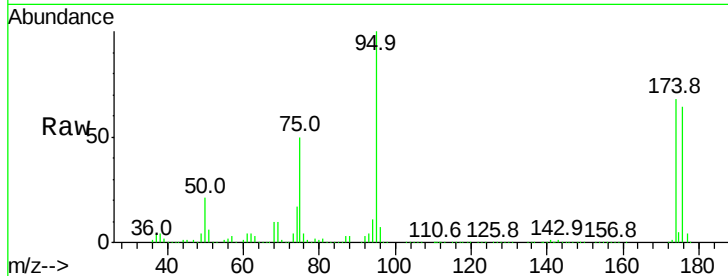


#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.15 ppbv
 RT: 14.41
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 24 Mar 2022 7:07

Tgt Ion:
 Ion Ratio
 95 100
 174 75.
 175 5.

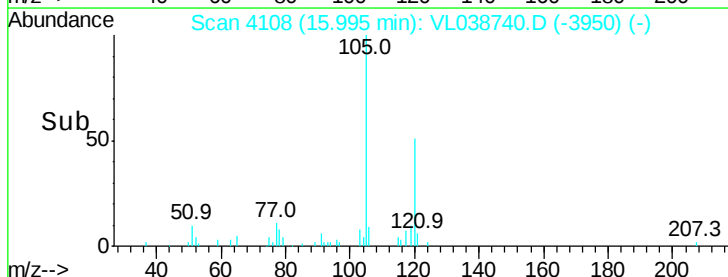
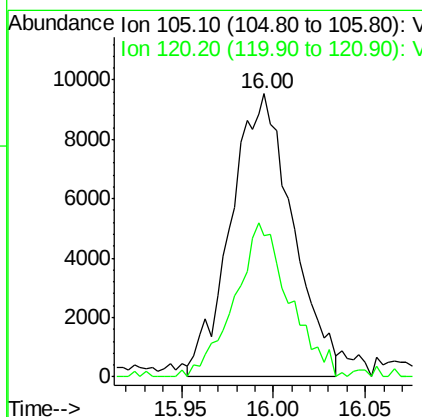
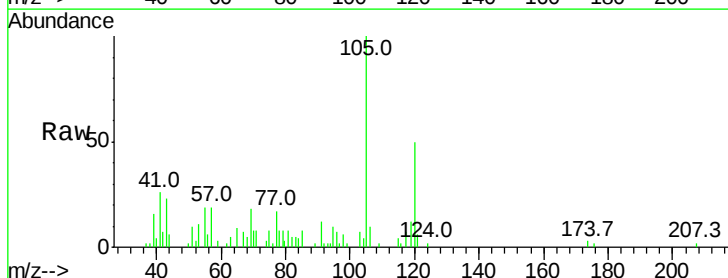
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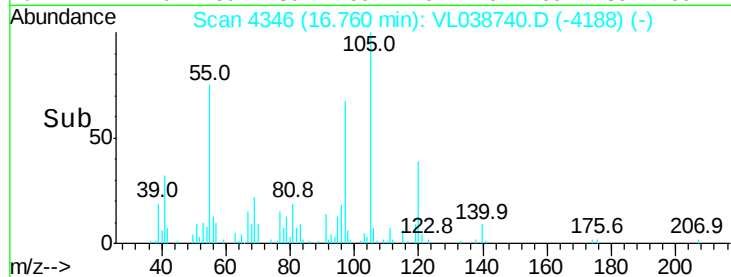
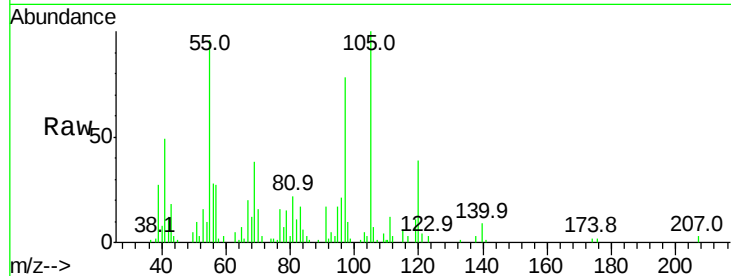
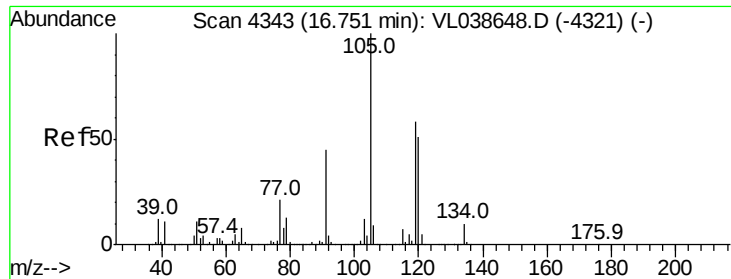
Reviewed By :Semsettin Yesilyurt 03/24/2022
 Supervised By :Mahesh Dadoda 03/28/2022



#73
 1,3,5-Trimethylbenzene
 Concen: 0.12 ppbv m
 RT: 16.00 min Scan# 4108
 Delta R.T. 0.01 min
 Lab File: VL038740.D
 Acq: 24 Mar 2022 7:07

Tgt Ion:105 Resp: 22237
 Ion Ratio Lower Upper
 105 100
 120 50.0 37.6 56.4





#74
 1,2,4-Trimethylbenzene
 Concen: 0.18 ppbv
 RT: 16.76
 Delta R.T
 Lab File:
 Acq: 24 Mar 2022 17:07

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

Tgt Ion:1
 Ion Rati
 105 100
 120 39.
 91 16.
 77 11.1 16.6 25.0#

