

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL030922\
 Data File : VL038576.D
 Acq On : 9 Mar 2022 15:07
 Operator : SY/AP
 Sample : N1813-01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-1

Manual Integrations
 APPROVED

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

Quant Time: Mar 10 00:54:24 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL030822A
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
 QLast Update : Tue Mar 08 21:18:44 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	816976	10.00	ppbv	0.01
33) 1,4-Difluorobenzene	7.18	114	1974664	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.09	117	1701133	10.00	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	1309092	10.12	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.20%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.06	85	28282	0.23	ppbv	91
3) Chlorodifluoromethane	3.00	51	145370	1.01	ppbv	98
4) Chloromethane	3.15	50	37561	0.70	ppbv	99
9) Propene	3.03	41	26670m	0.52	ppbv	
11) Trichlorofluoromethane	3.96	101	25488	0.24	ppbv	86
13) Ethanol	3.62	45	101831m	17.44	ppbv	
15) Acetone	3.86	43	263613	4.57	ppbv	98
19) Isopropyl Alcohol	3.99	45	33928m	0.88	ppbv	
20) Methylene Chloride	4.35	84	152753	4.40	ppbv	97
26) Hexane	5.69	57	270153	2.96	ppbv #	45
29) Chloroform	5.75	83	14026m	0.10	ppbv	
34) 2-Butanone	5.26	43	26784	0.52	ppbv	92
35) Carbon Tetrachloride	7.02	117	10633m	0.08	ppbv	
36) Benzene	6.90	78	22283m	0.13	ppbv	
53) Toluene	9.81	91	84084	0.44	ppbv	97
59) m/p-Xylene	12.97	91	23069m	0.12	ppbv	
74) 1,2,4-Trimethylbenzene	16.77	105	25277m	0.12	ppbv	

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

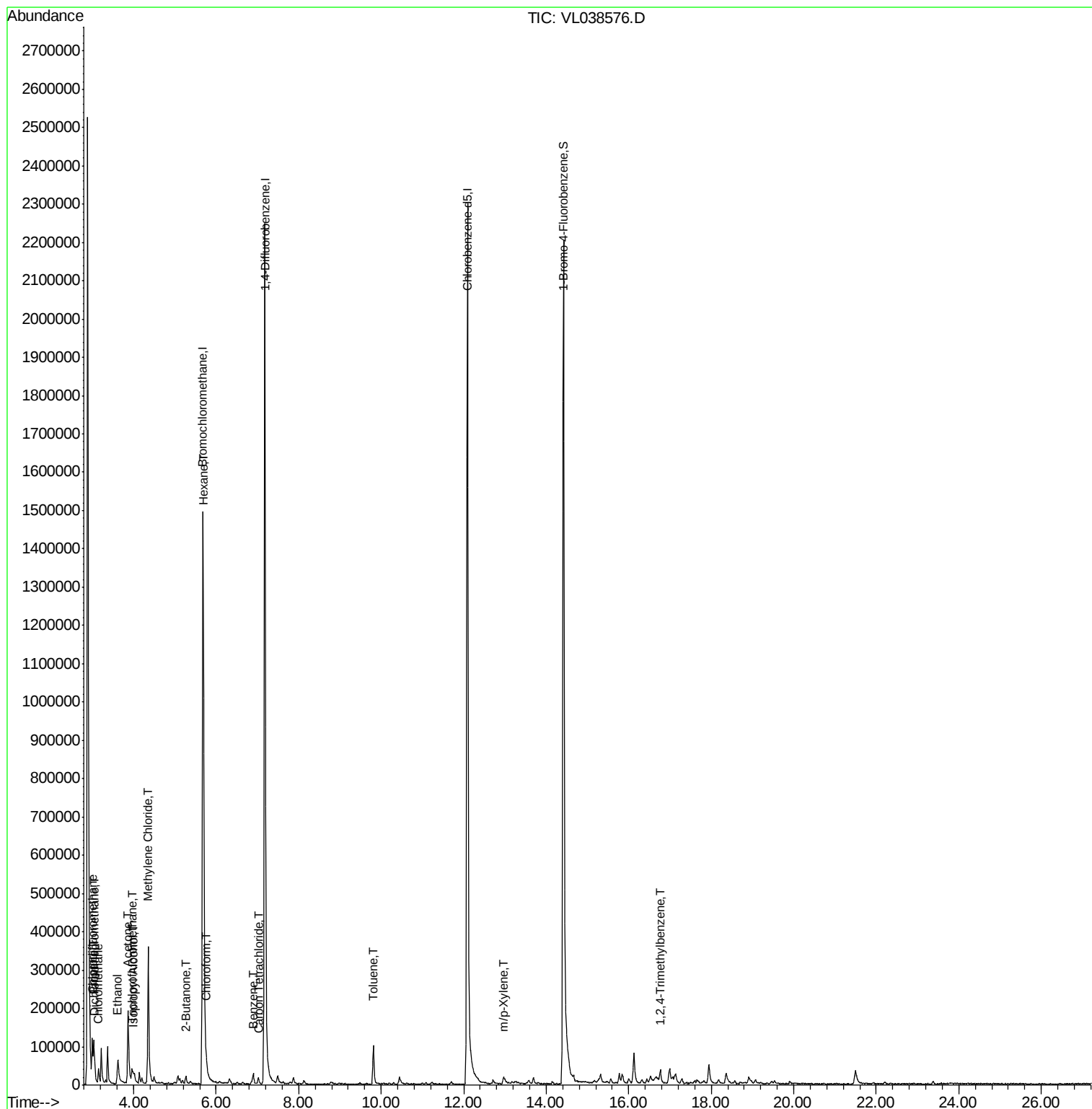
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL030922\
Data File : VL038576.D
Acq On : 9 Mar 2022 15:07
Operator : SY/AP
Sample : N1813-01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

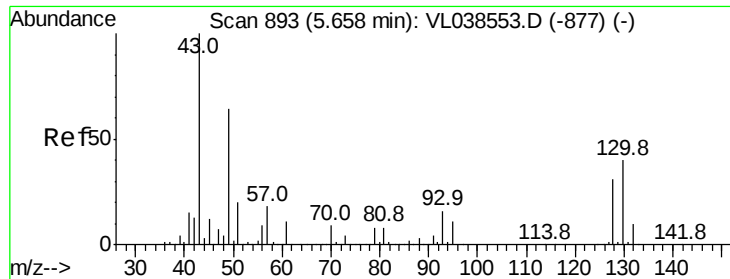
Instrument :
MSVOA_L
ClientSampleId :
IA-1

Quant Time: Mar 10 00:54:24 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL030822.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
QLast Update : Tue Mar 08 21:18:44 2022
Response via : Initial Calibration

Manual Integrations
APPROVED

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





#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.67 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 9 Mar 2022 15:07

Tgt Ion:

Ion Ratio

49 100

128 49.

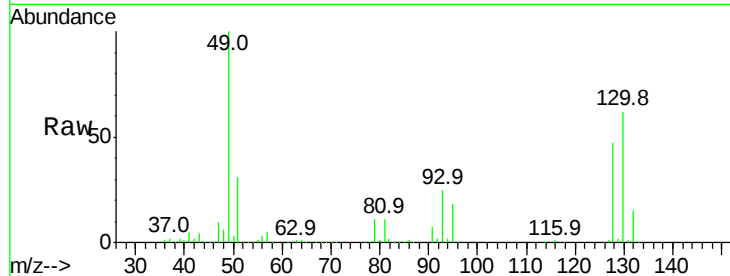
130 65.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/10/2022

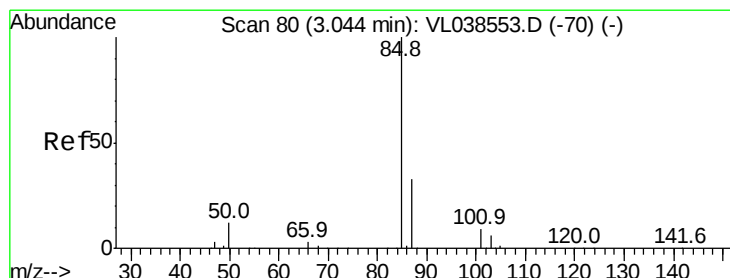
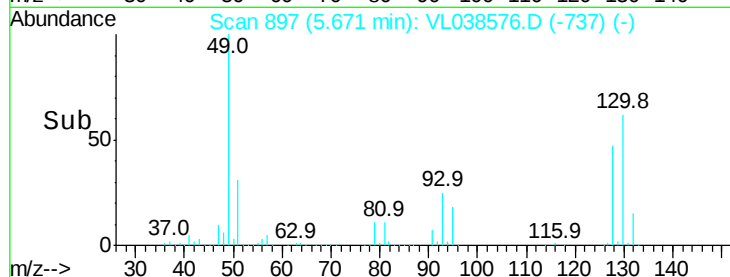
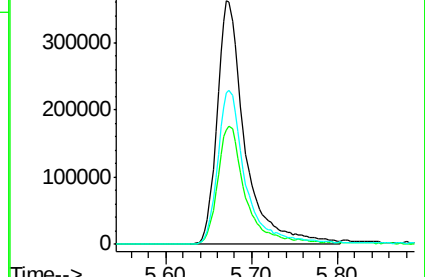
Supervised By :Mahesh Dadoda 03/14/2022



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: 0.23 ppbv

RT: 3.06 min Scan# 85

Delta R.T. 0.02 min

Lab File: VL038576.D

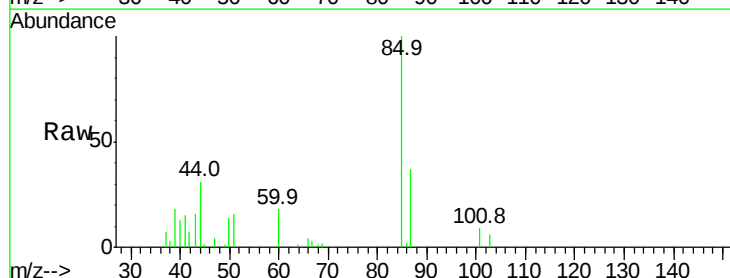
Acq: 9 Mar 2022 15:07

Tgt Ion: 85 Resp: 28282

Ion Ratio Lower Upper

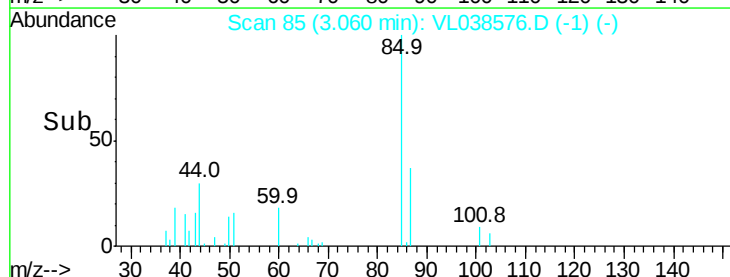
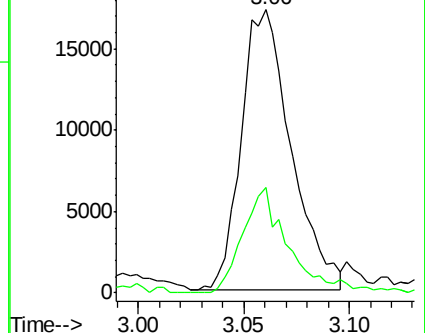
85 100

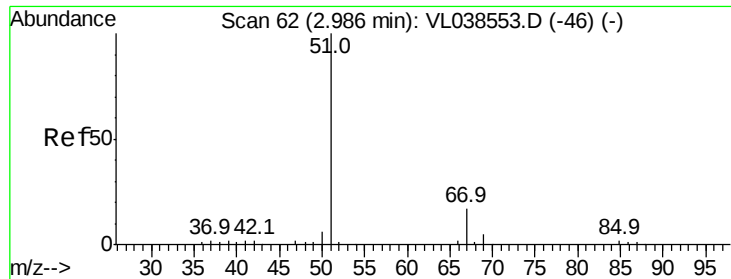
87 37.8 26.2 39.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 1.01 ppbv

RT: 3.00 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 9 Mar 2022 15:07

Tgt Ion:

Ion Ratio

51 100

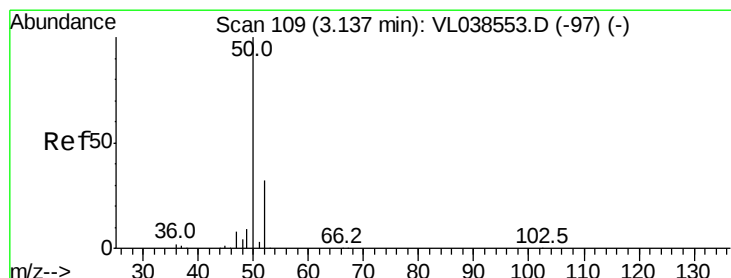
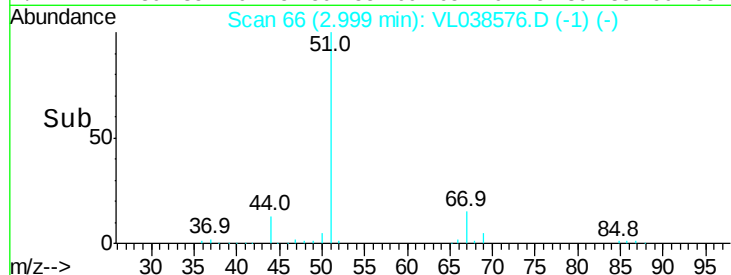
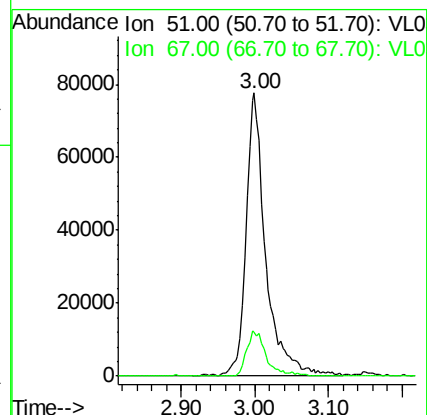
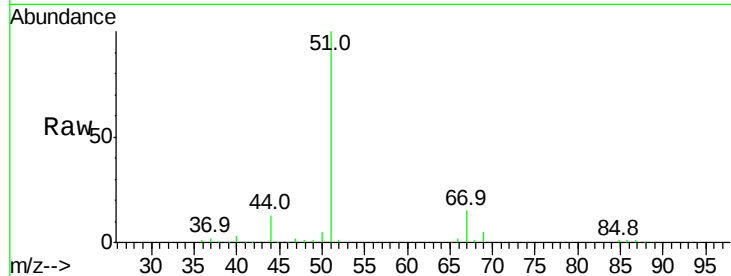
67 15.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/10/2022

Supervised By :Mahesh Dadoda 03/14/2022



#4

Chloromethane

Concen: 0.70 ppbv

RT: 3.15 min Scan# 114

Delta R.T. 0.02 min

Lab File: VL038576.D

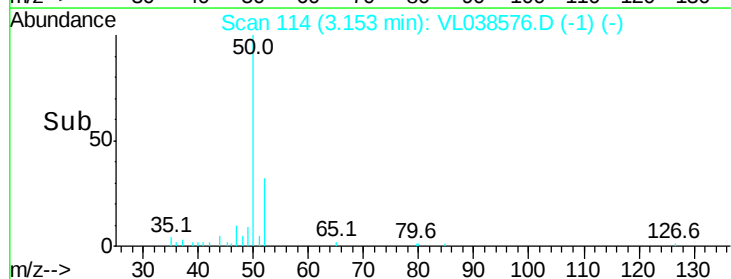
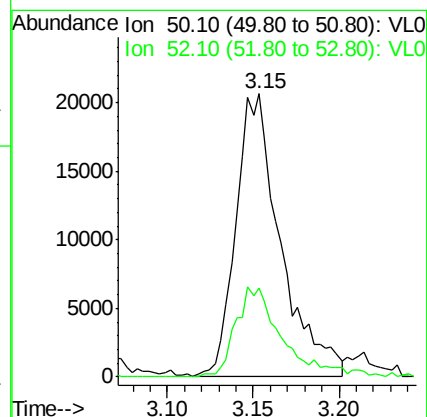
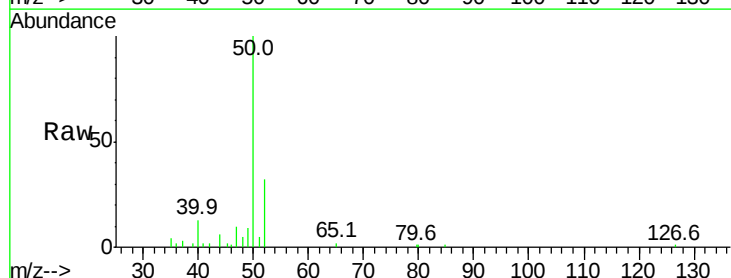
Acq: 9 Mar 2022 15:07

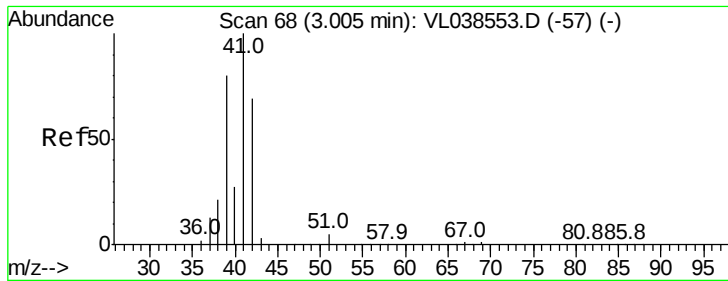
Tgt Ion: 50 Resp: 37561

Ion Ratio Lower Upper

50 100

52 31.5 25.6 38.4





#9

Propene

Concen: 0.52 ppbv m

RT: 3.03 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 9 Mar 2022 15:07

Tgt Ion:

Ion Ratio

41 100

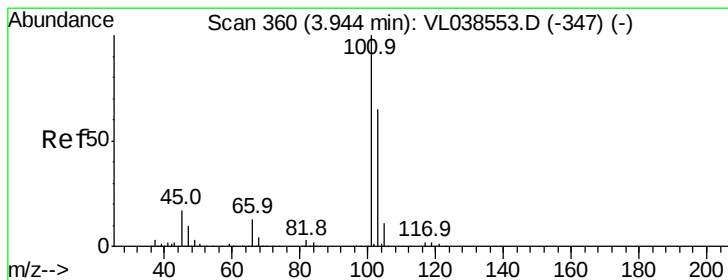
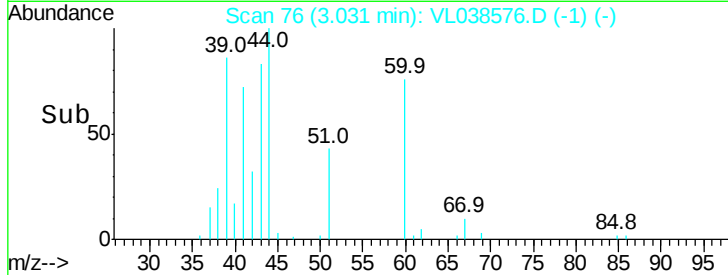
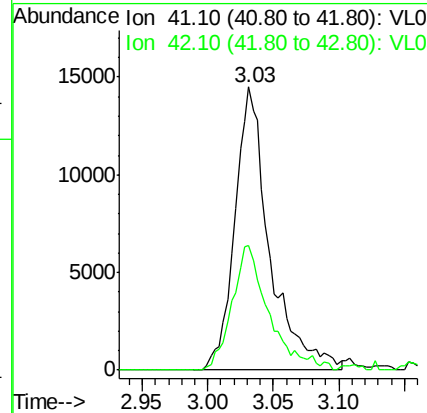
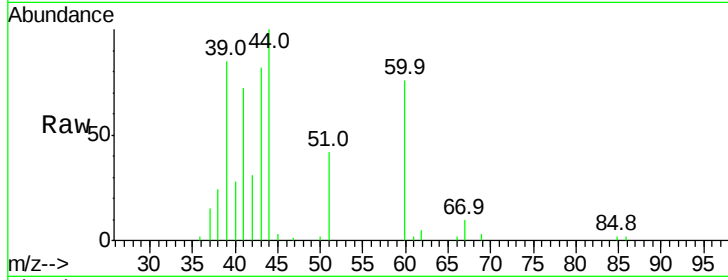
42 46.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/10/2022

Supervised By :Mahesh Dadoda 03/14/2022



#11

Trichlorofluoromethane

Concen: 0.24 ppbv

RT: 3.96 min Scan# 366

Delta R.T. 0.02 min

Lab File: VL038576.D

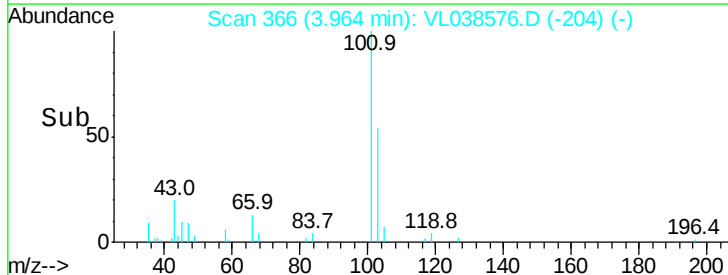
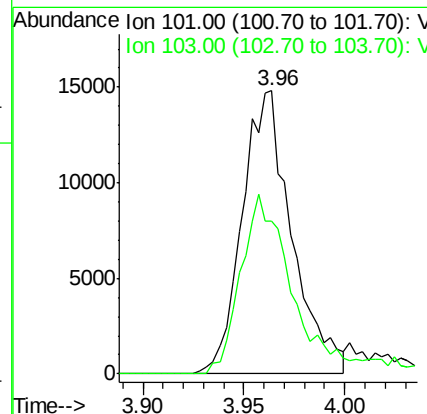
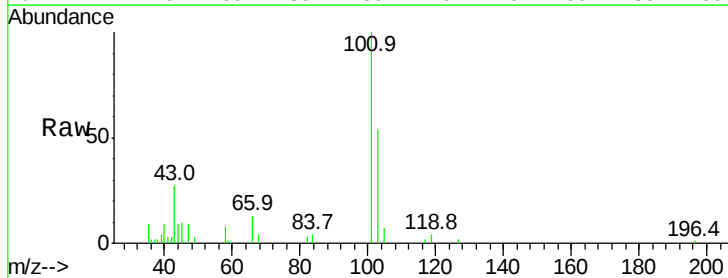
Acq: 9 Mar 2022 15:07

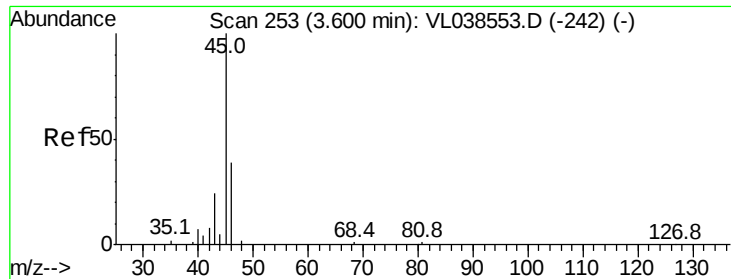
Tgt Ion:101 Resp: 25488

Ion Ratio Lower Upper

101 100

103 54.0 52.0 78.0



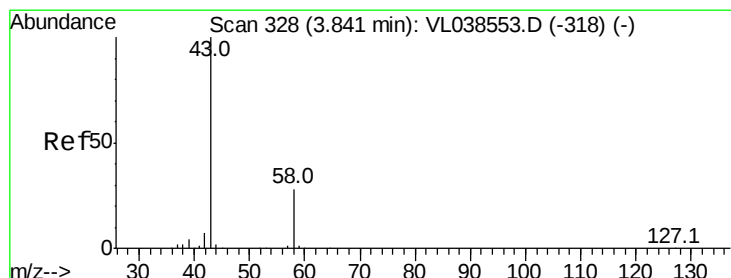
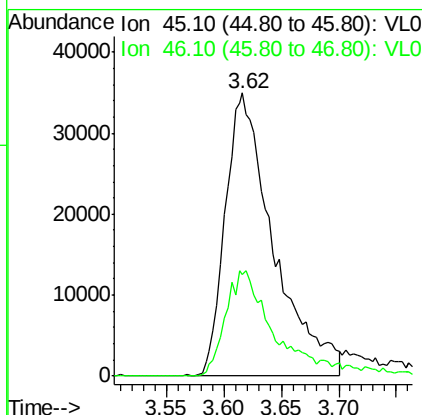
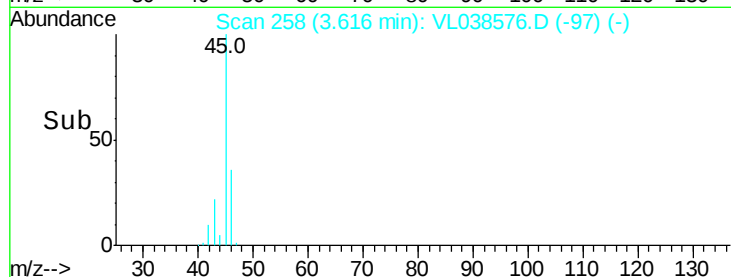
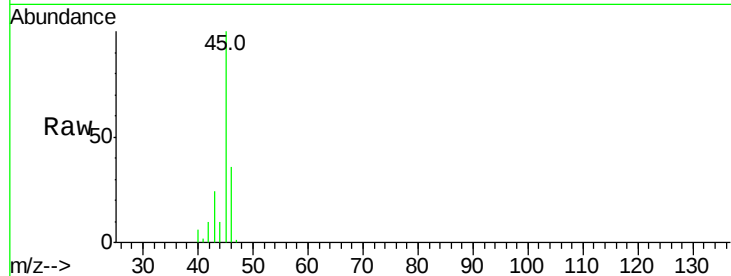


#13
Ethanol
Concen: 17.44 ppbv m
RT: 3.62
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 9 Mar 2022 15:07

Tgt Ion:
Ion Ratio
45 100
46 40.

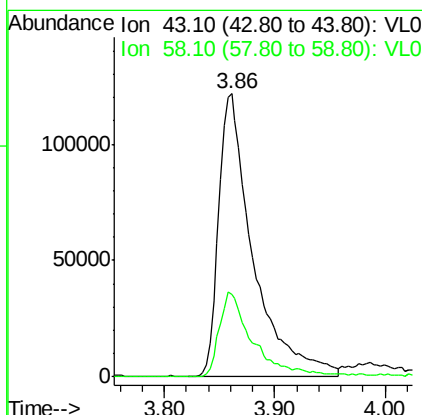
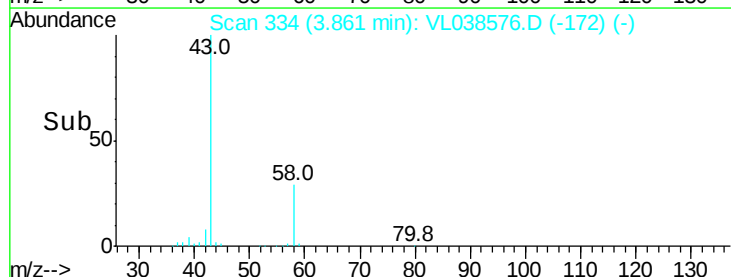
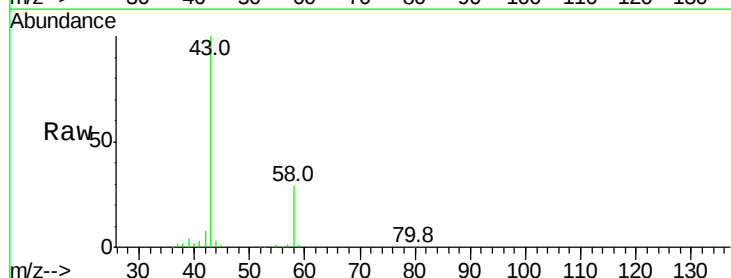
Manual Integrations
APPROVED

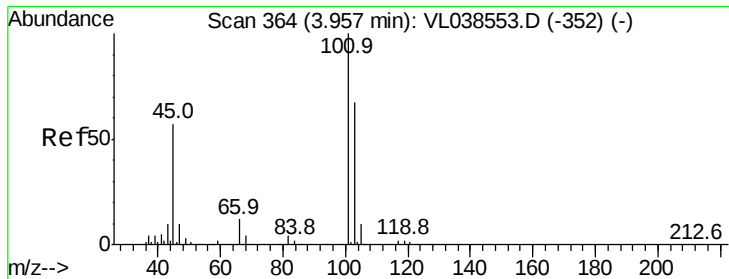
Reviewed By :Semsettin Yesilyurt 03/10/2022
Supervised By :Mahesh Dadoda 03/14/2022



#15
Acetone
Concen: 4.57 ppbv
RT: 3.86 min Scan# 334
Delta R.T. 0.02 min
Lab File: VL038576.D
Acq: 9 Mar 2022 15:07

Tgt Ion: 43 Resp: 263613
Ion Ratio Lower Upper
43 100
58 29.5 22.7 34.1





#19

Isopropyl Alcohol

Concen: 0.88 ppbv m

RT: 3.99 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 9 Mar 2022 15:07

Tgt Ion:

Ion Ratio

45 100

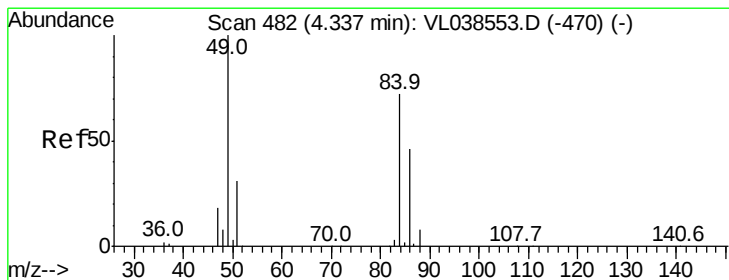
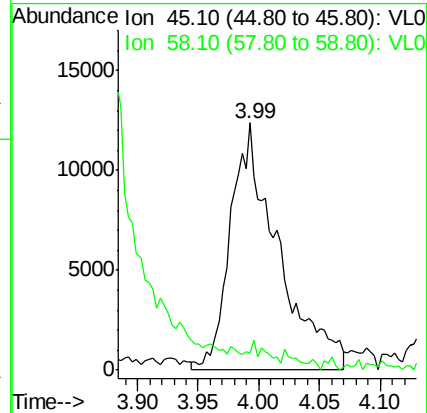
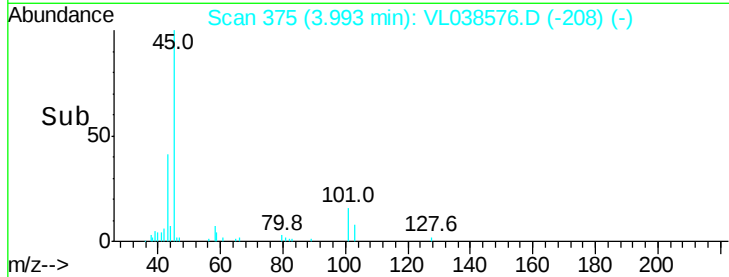
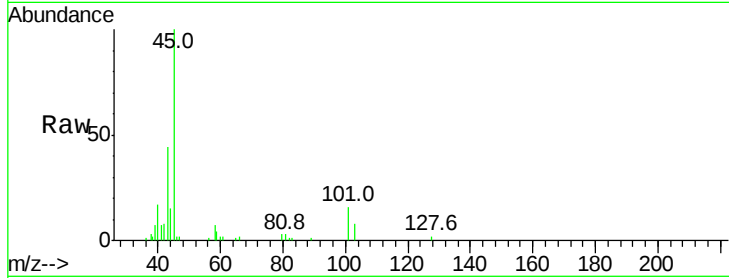
58 0.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/10/2022

Supervised By :Mahesh Dadoda 03/14/2022



#20

Methylene Chloride

Concen: 4.40 ppbv

RT: 4.35 min Scan# 486

Delta R.T. 0.01 min

Lab File: VL038576.D

Acq: 9 Mar 2022 15:07

Tgt Ion: 84 Resp: 152753

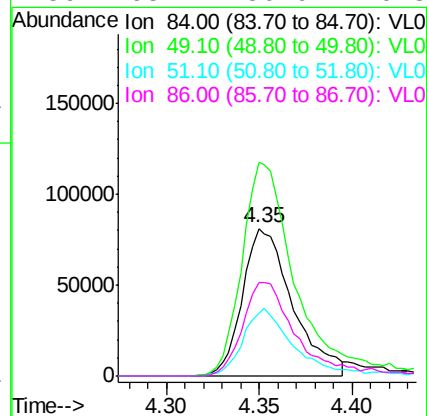
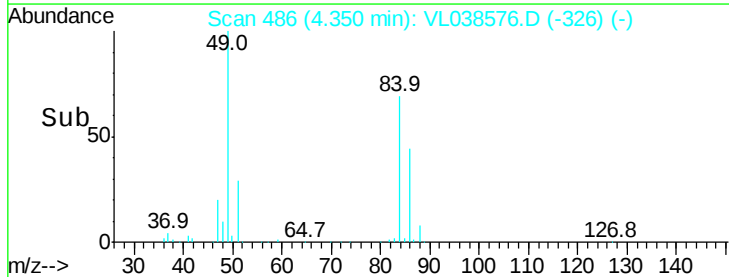
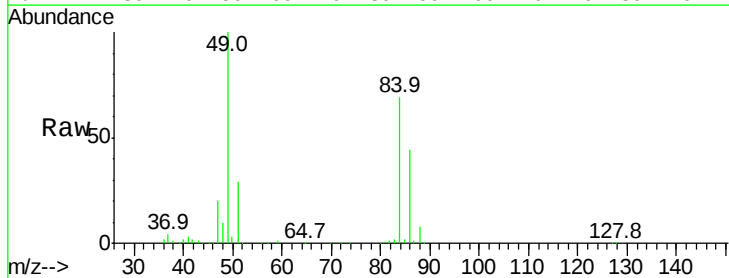
Ion Ratio Lower Upper

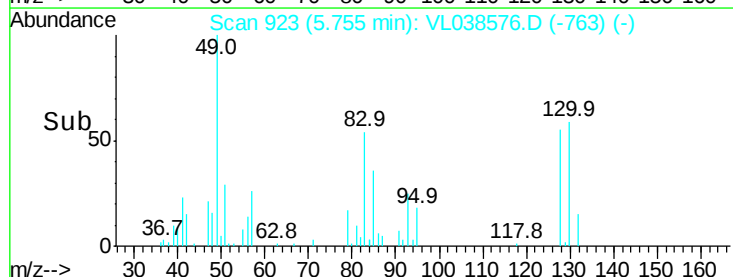
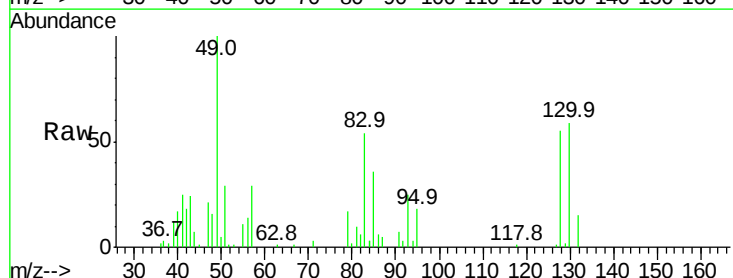
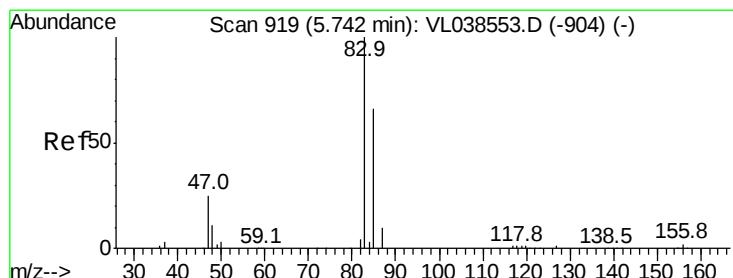
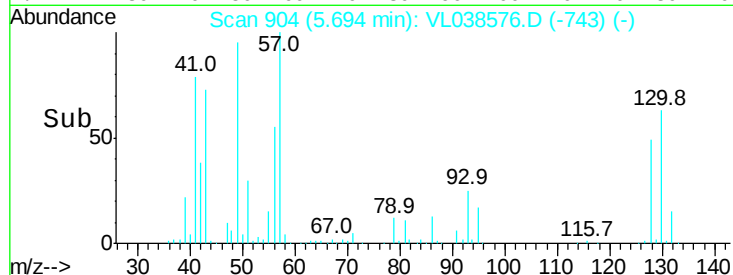
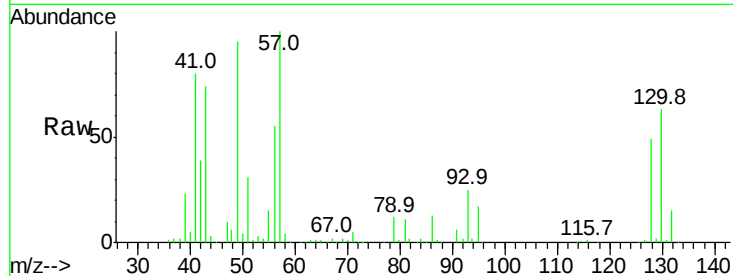
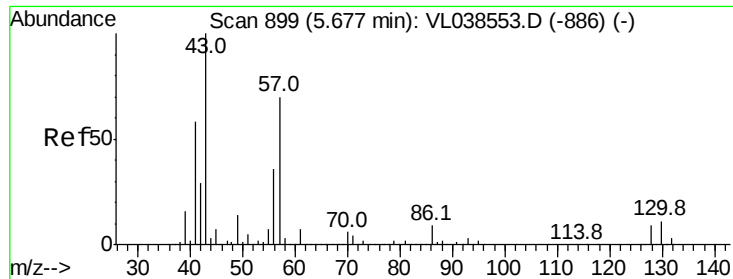
84 100

49 144.9 111.1 166.7

51 42.3 34.0 51.0

86 63.2 50.9 76.3



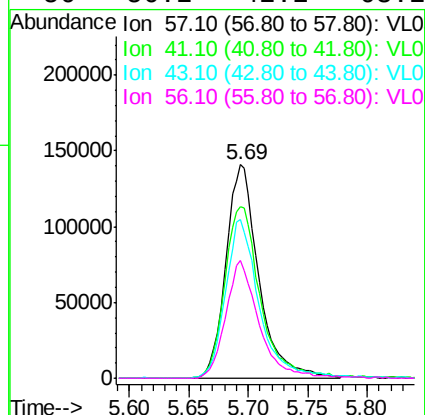


#26
Hexane
Concen: 2.96 ppbv
RT: 5.69
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 9 Mar 2022 15:07

Tgt Ion: 57
Ion Ratio: 100
41 88.
43 77.
56 56.2 42.2 63.2

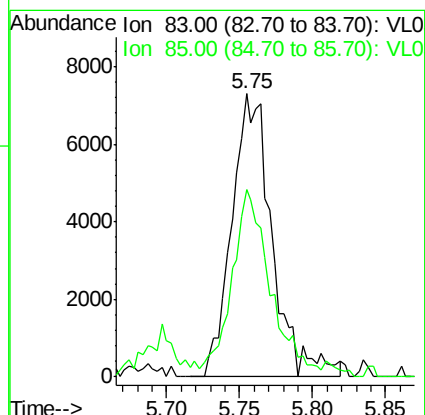
Manual Integrations
APPROVED

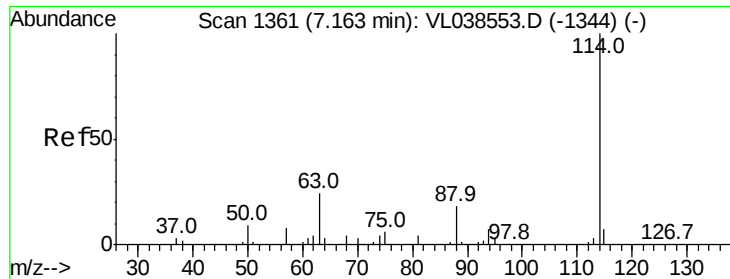
Reviewed By :Semsettin Yesilyurt 03/10/2022
Supervised By :Mahesh Dadoda 03/14/2022



#29
Chloroform
Concen: 0.10 ppbv m
RT: 5.75 min Scan# 923
Delta R.T. 0.01 min
Lab File: VL038576.D
Acq: 9 Mar 2022 15:07

Tgt Ion: 83 Resp: 14026
Ion Ratio Lower Upper
83 100
85 66.2 52.8 79.2



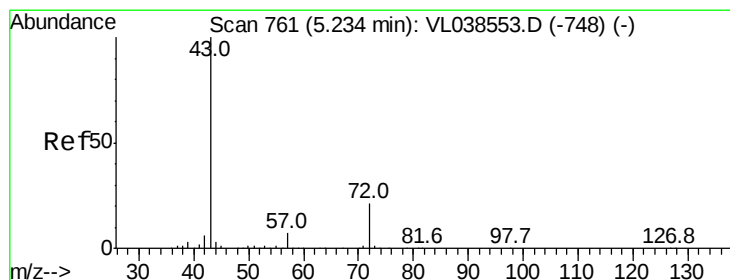
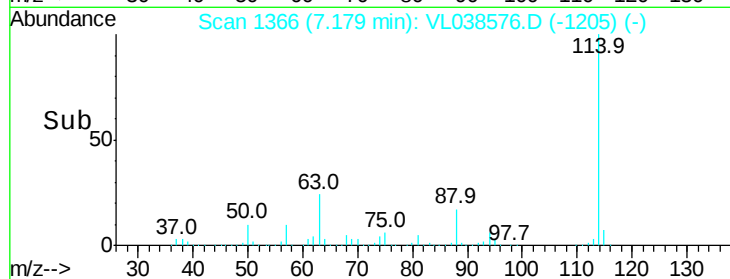
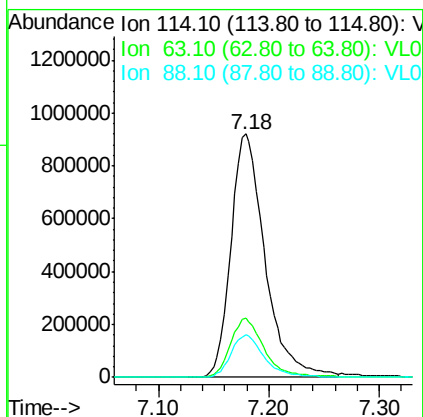
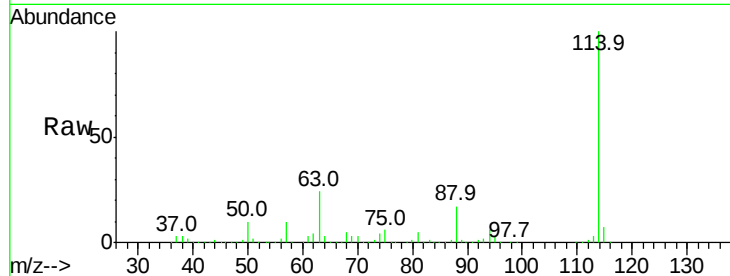


#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 7.18
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 Acq: 9 Mar 2022 15:07

Tgt Ion: 1
 Ion Ratio
 114 100
 63 24.
 88 17.

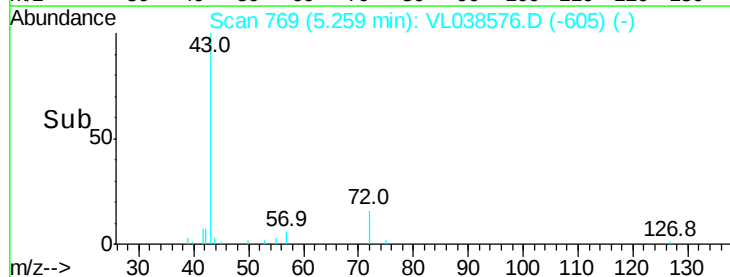
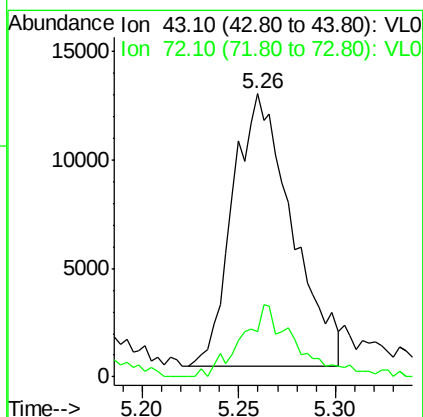
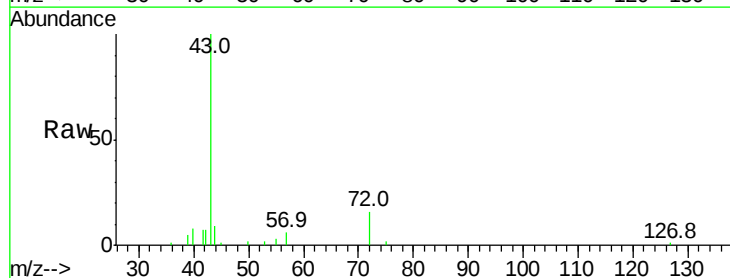
Manual Integrations
 APPROVED

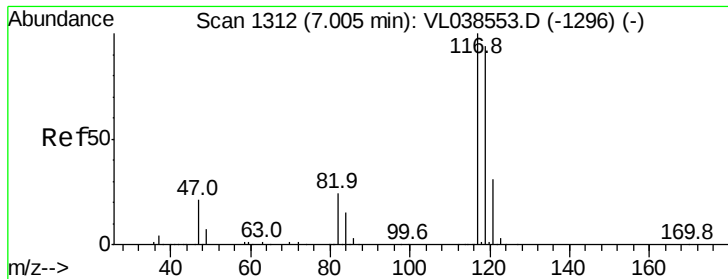
Reviewed By : Semsettin Yesilyurt 03/10/2022
 Supervised By : Mahesh Dadoda 03/14/2022



#34
 2-Butanone
 Concen: 0.52 ppbv
 RT: 5.26 min Scan# 769
 Delta R.T.: 0.03 min
 Lab File: VL038576.D
 Acq: 9 Mar 2022 15:07

Tgt Ion: 43 Resp: 26784
 Ion Ratio Lower Upper
 43 100
 72 25.9 17.8 26.6



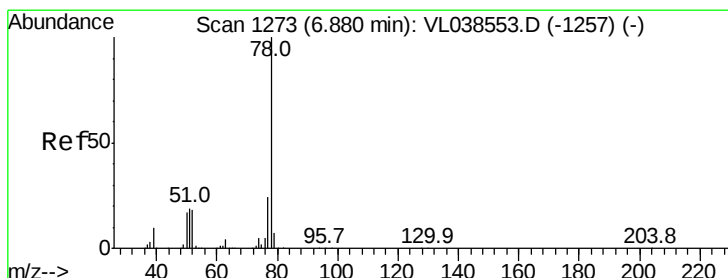
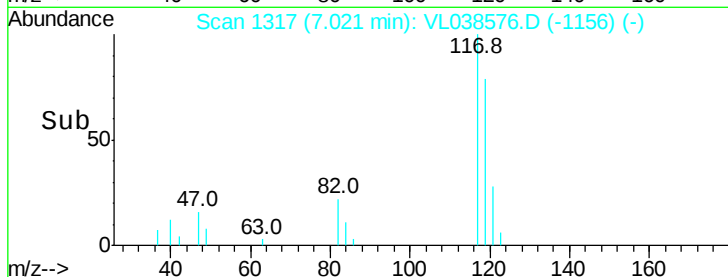
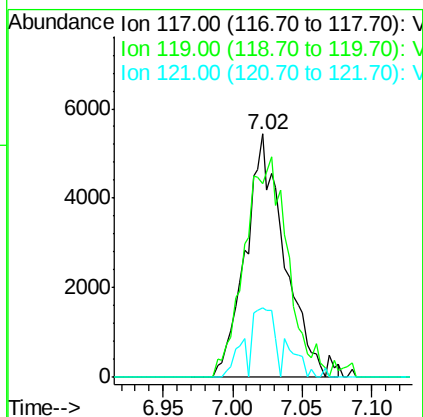
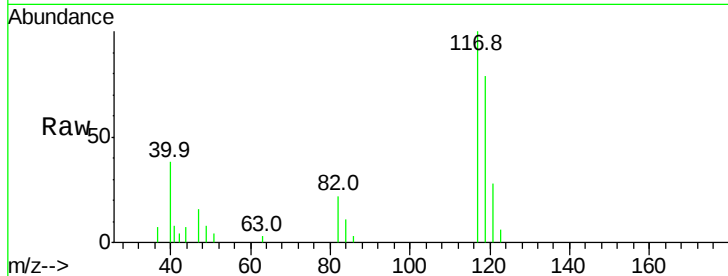


#35
Carbon Tetrachloride
Concen: 0.08 ppbv m
RT: 7.02
Instrument: MSVOA_L
Delta R.T.:
Lab File: ClientSampleId :
Acq: 9 Mar 2022 15:07

Tgt Ion: 117
Ion Ratio: 100
117 100
119 79
121 28

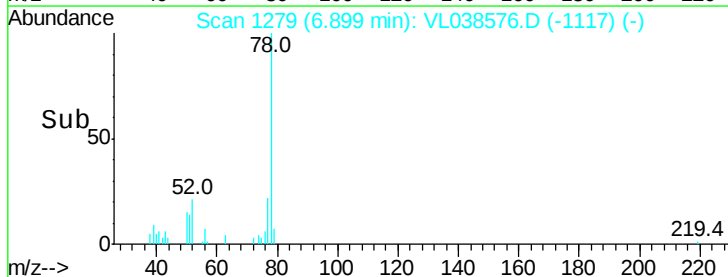
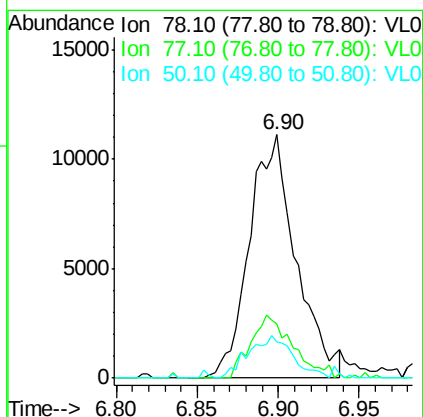
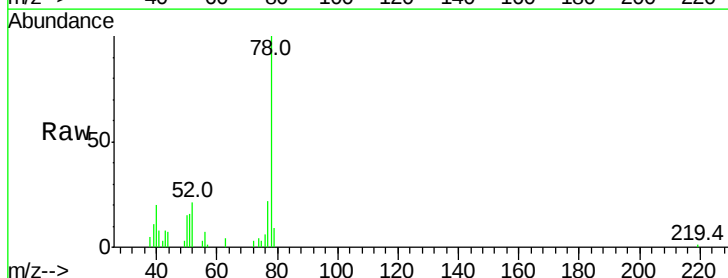
Manual Integrations
APPROVED

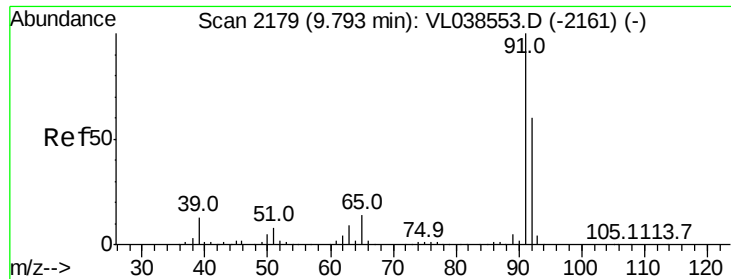
Reviewed By : Semsettin Yesilyurt 03/10/2022
Supervised By : Mahesh Dadoda 03/14/2022



#36
Benzene
Concen: 0.13 ppbv m
RT: 6.90 min Scan# 1279
Delta R.T. 0.02 min
Lab File: VL038576.D
Acq: 9 Mar 2022 15:07

Tgt Ion: 78 Resp: 22283
Ion Ratio Lower Upper
78 100
77 22.0 19.0 28.4
50 14.9 13.9 20.9





#53

Toluene

Concen: 0.44 ppbv

RT: 9.81 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 9 Mar 2022 15:07

Tgt Ion:

Ion Ratio

91 100

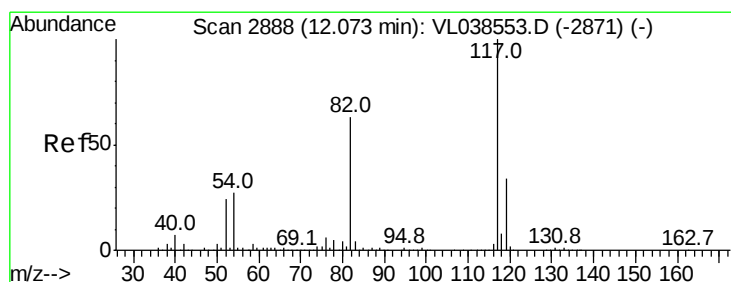
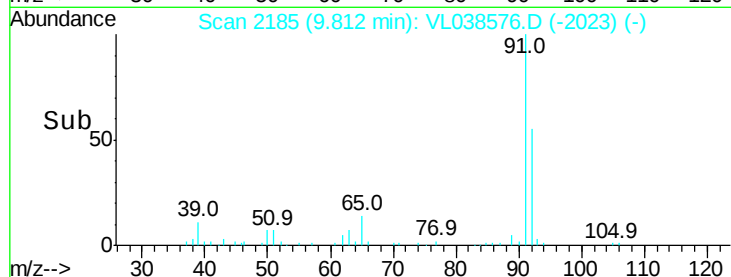
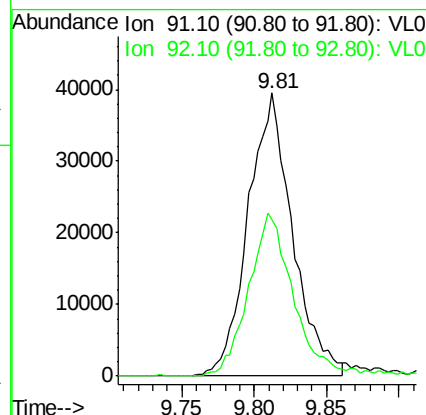
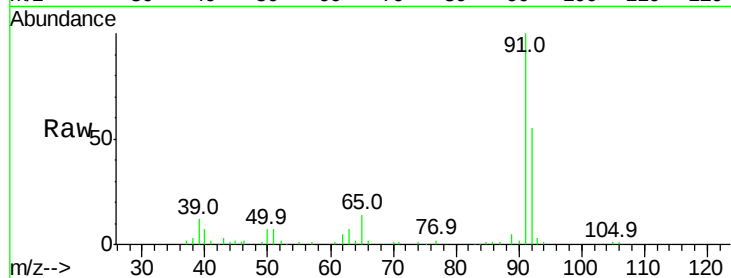
92 58.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/10/2022

Supervised By :Mahesh Dadoda 03/14/2022



#55

Chlorobenzene-d5

Concen: 10.00 ppbv

RT: 12.09 min Scan# 2893

Delta R.T. 0.02 min

Lab File: VL038576.D

Acq: 9 Mar 2022 15:07

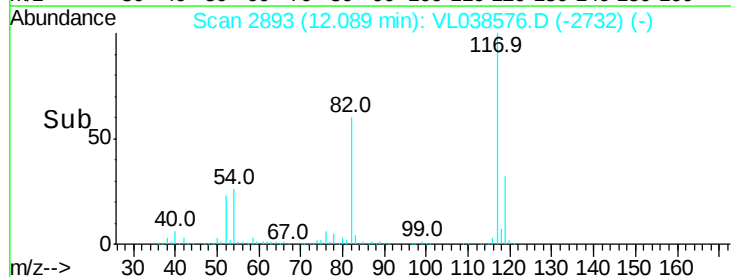
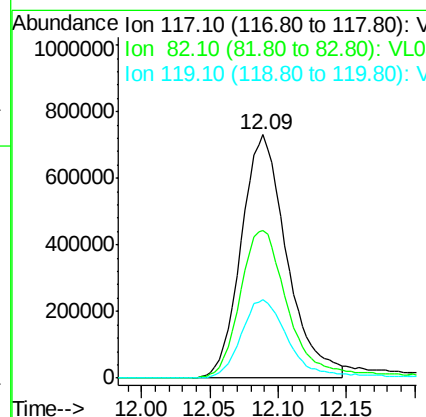
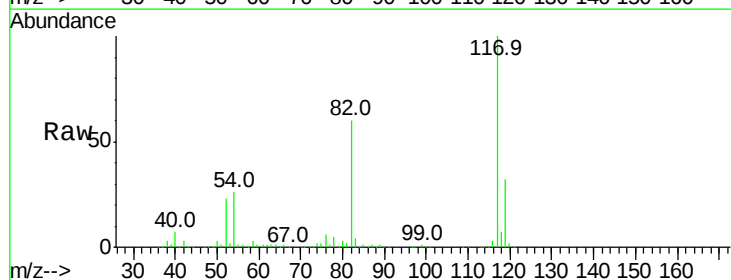
Tgt Ion:117 Resp: 1701133

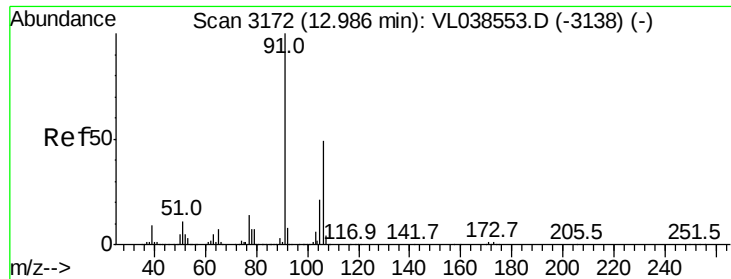
Ion Ratio Lower Upper

117 100

82 68.2 52.5 78.7

119 34.7 46.4 69.6#



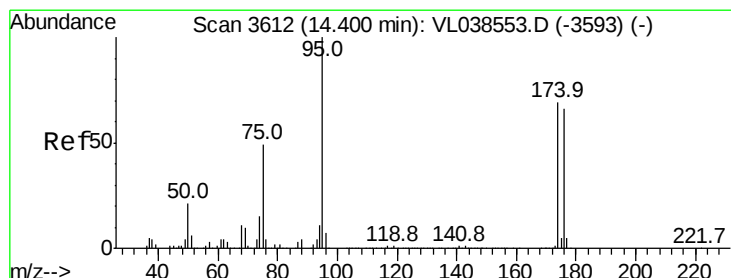
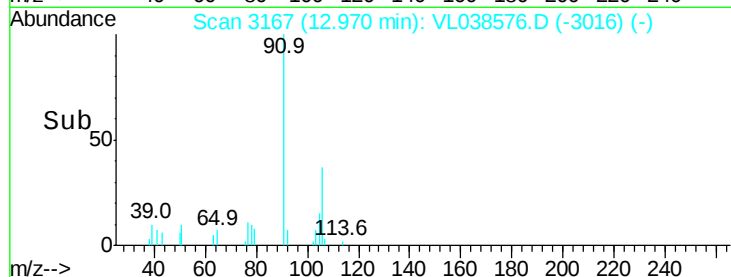
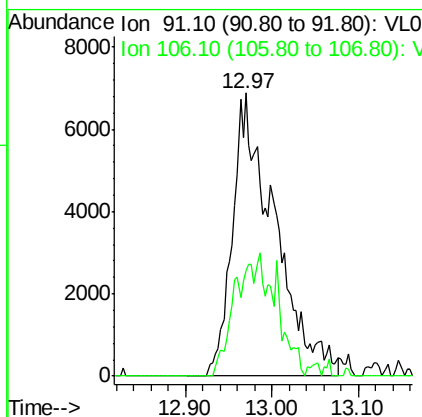
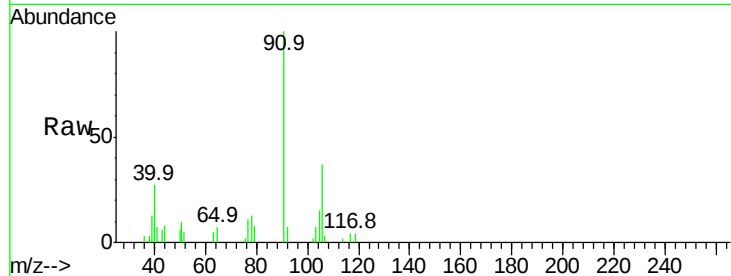


#59
m/p-Xylene
Concen: 0.12 ppbv m
RT: 12.97 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 9 Mar 2022 15:07

Tgt Ion:
Ion Ratio
91 100
106 0.

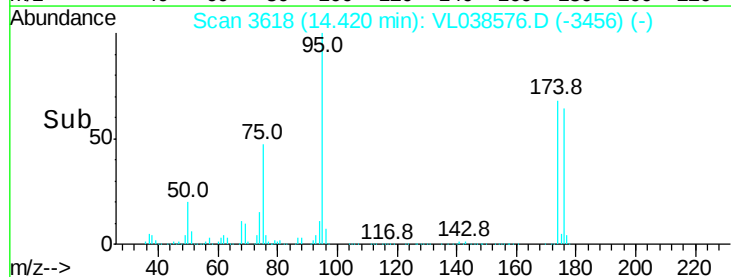
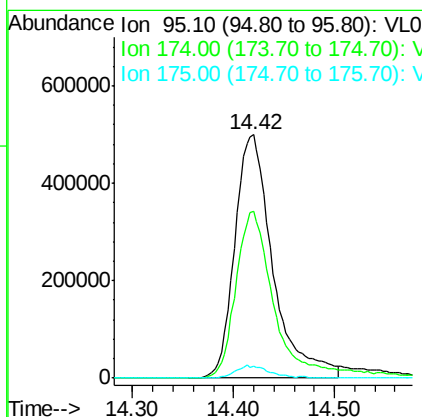
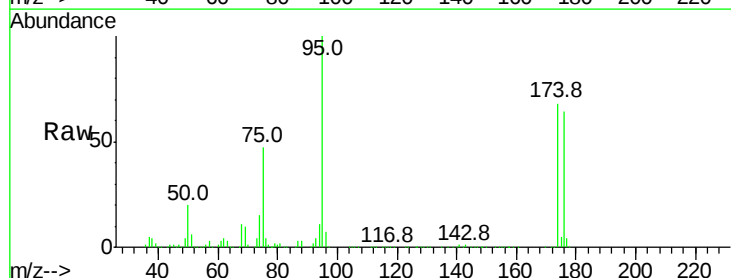
Manual Integrations
APPROVED

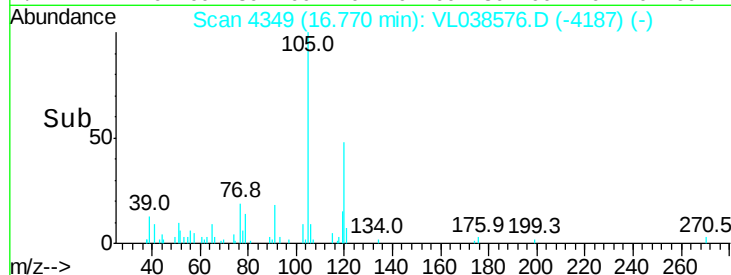
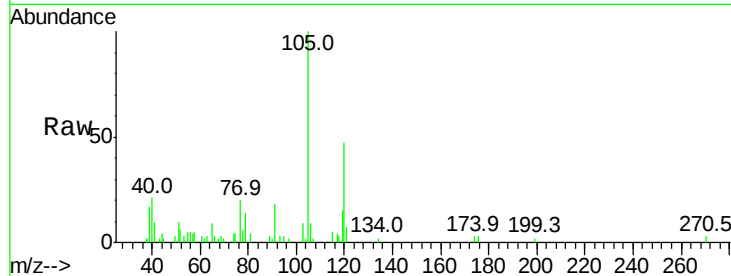
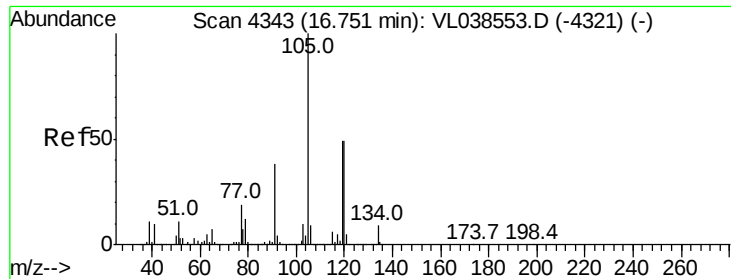
Reviewed By :Semsettin Yesilyurt 03/10/2022
Supervised By :Mahesh Dadoda 03/14/2022



#68
1-Bromo-4-Fluorobenzene
Concen: 10.12 ppbv
RT: 14.42 min Scan# 3618
Delta R.T.: 0.02 min
Lab File: VL038576.D
Acq: 9 Mar 2022 15:07

Tgt Ion: 95 Resp: 1309092
Ion Ratio Lower Upper
95 100
174 72.4 56.2 84.4
175 5.1 4.2 6.2





#74

1,2,4-Trimethylbenzene

Concen: 0.12 ppbv m

RT: 16.77

Delta R.T: MSVOA_L

Lab File: ClientSampleId :

Acq: 9 Mar 2022 15:07

Tgt Ion:1
Ion Rati
105 100
120 47.
91 17.
77 19.9 15.2 22.8

Manual Integrations
APPROVED

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

