

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL030922\
 Data File : VL038577.D
 Acq On : 9 Mar 2022 15:48
 Operator : SY/AP
 Sample : N1813-01DUP
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-1DUP

Manual Integrations
 APPROVED

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

Quant Time: Mar 10 00:57:32 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL030822A
 Quant Title : AIR ANALYSIS BY METHOD T0-15 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	781756	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.18	114	2001978	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.09	117	1721678	10.00	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	1316554	10.06	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.60%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.06	85	27000	0.23	ppbv	100
3) Chlorodifluoromethane	3.00	51	147113	1.07	ppbv	97
4) Chloromethane	3.15	50	37172	0.73	ppbv	99
9) Propene	3.03	41	24199	0.50	ppbv #	76
11) Trichlorofluoromethane	3.96	101	24826	0.24	ppbv	98
13) Ethanol	3.62	45	100452	17.98	ppbv	96
15) Acetone	3.86	43	263956	4.79	ppbv	97
19) Isopropyl Alcohol	4.00	45	34068m	0.93	ppbv	
20) Methylene Chloride	4.36	84	184667	5.56	ppbv	99
26) Hexane	5.69	57	279409	3.20	ppbv #	44
29) Chloroform	5.76	83	13455m	0.10	ppbv	
34) 2-Butanone	5.26	43	28464m	0.55	ppbv	
35) Carbon Tetrachloride	7.02	117	9933	0.07	ppbv	88
36) Benzene	6.90	78	21936	0.12	ppbv #	73
53) Toluene	9.81	91	83821	0.43	ppbv	99
59) m/p-Xylene	12.98	91	21801m	0.11	ppbv	
74) 1,2,4-Trimethylbenzene	16.77	105	24036m	0.12	ppbv	

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

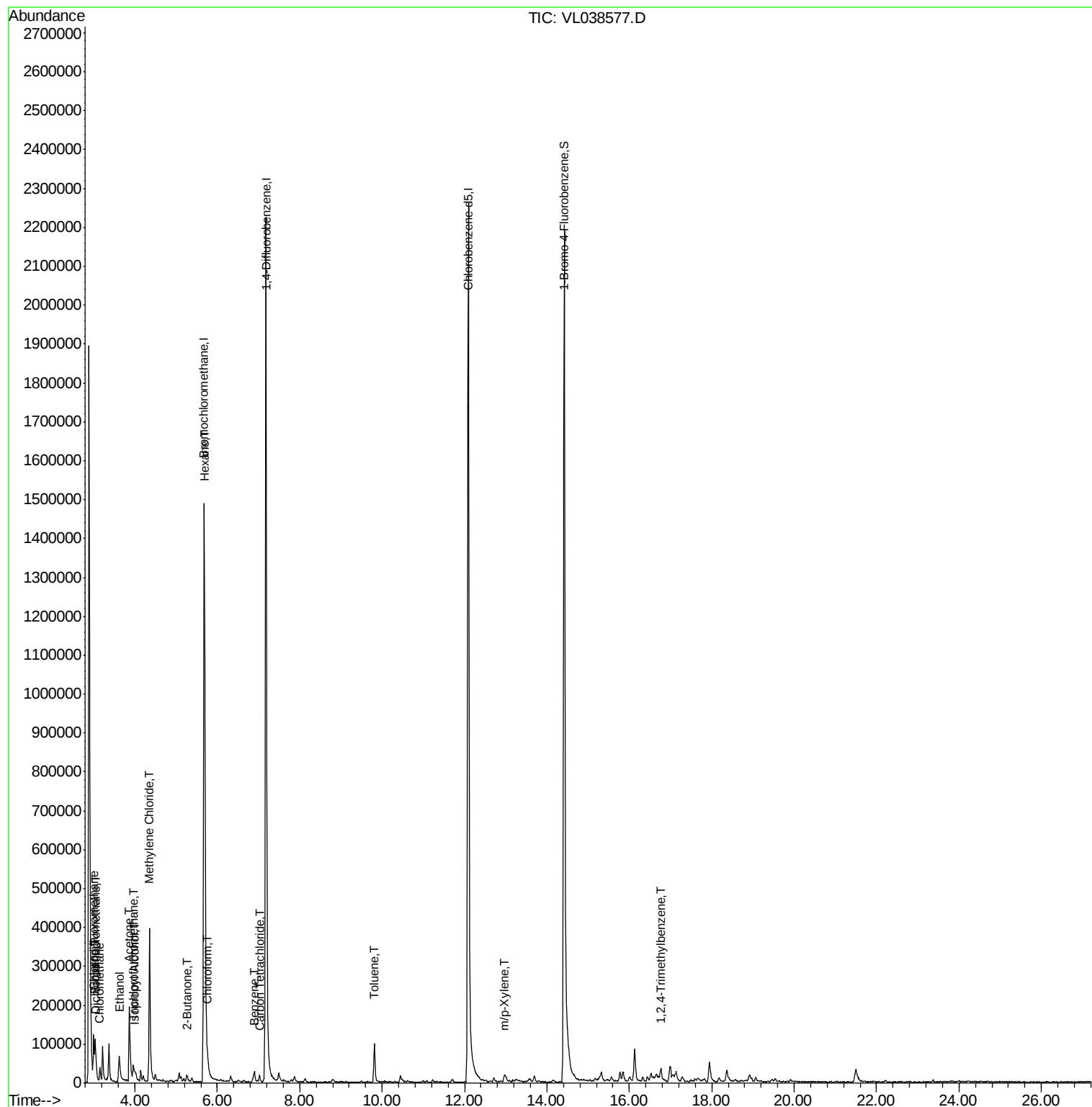
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_L\DATA\VL030922\
Data File : VL038577.D
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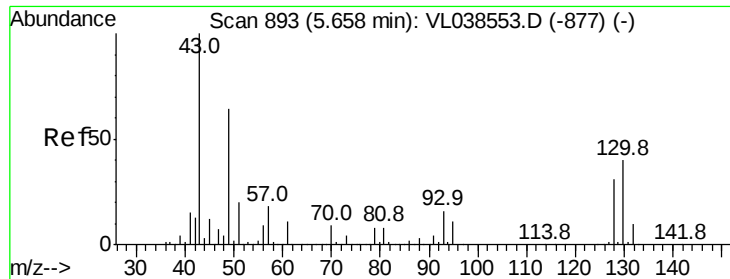
Instrument :
MSVOA_L
ClientSampleId :
IA-1DUP

Quant Time: Mar 10 00:57:32 2022
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_L\METHODS\VL030822
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
QLast Update : Tue Mar 08 21:18:44 2022
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#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.67 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 9 Mar 2022 15:48

Tgt Ion:

Ion Ratio

49 100

128 52.

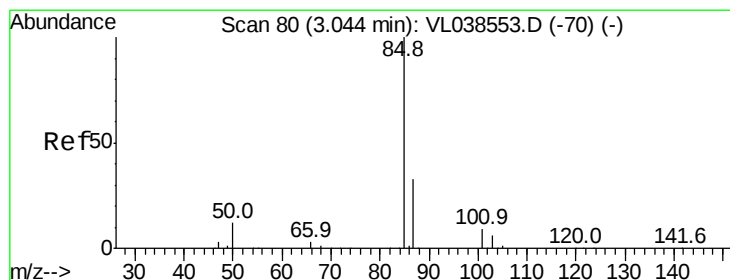
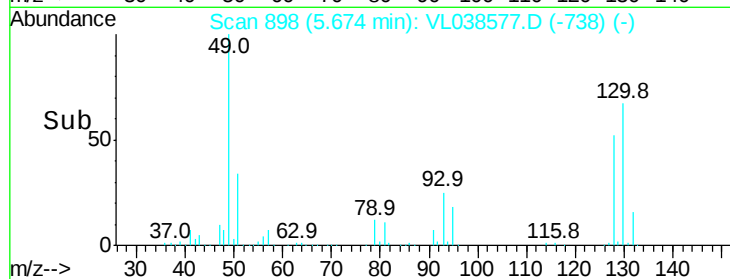
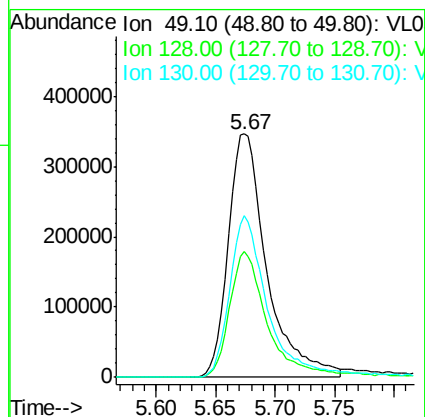
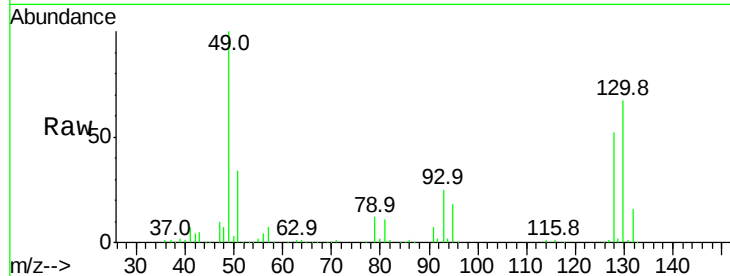
130 67.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 03/10/2022

Supervised By :Mahesh Dadoda 03/14/2022



#2

Dichlorodifluoromethane

Concen: 0.23 ppbv

RT: 3.06 min Scan# 85

Delta R.T. 0.02 min

Lab File: VL038577.D

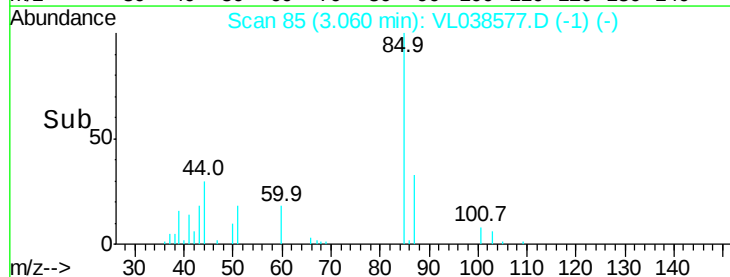
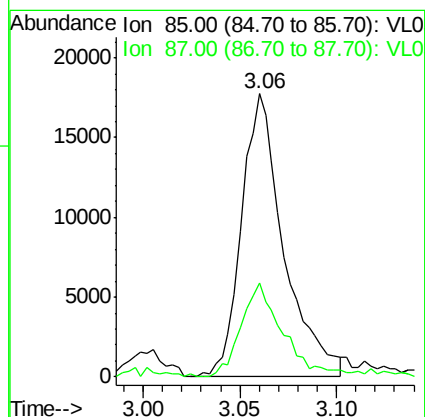
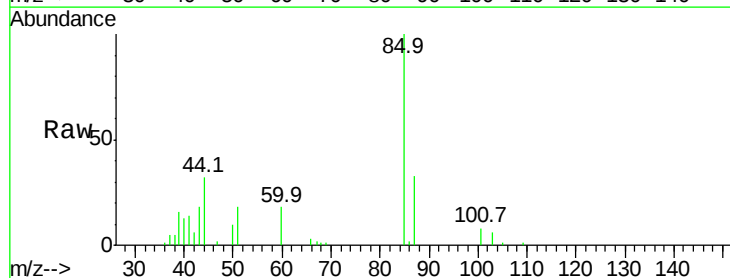
Acq: 9 Mar 2022 15:48

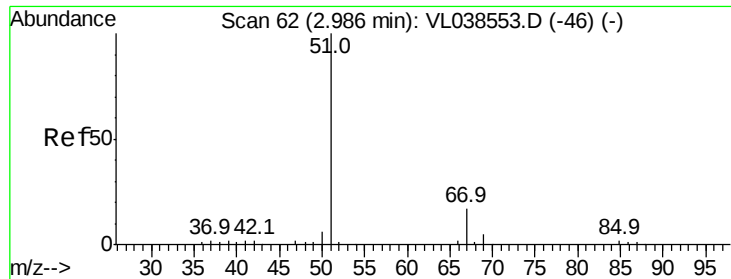
Tgt Ion: 85 Resp: 27000

Ion Ratio Lower Upper

85 100

87 32.7 26.2 39.2





#3

Chlorodifluoromethane

Concen: 1.07 ppbv

RT: 3.00 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 9 Mar 2022 15:48

Tgt Ion:

Ion Ratio

51 100

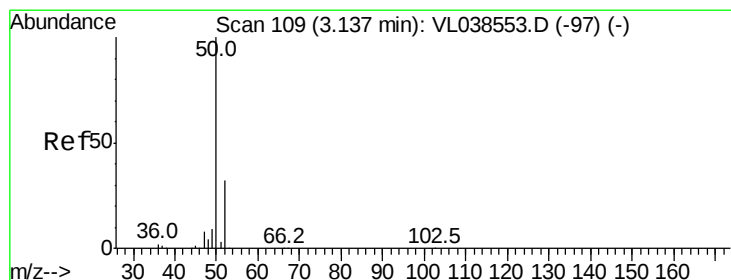
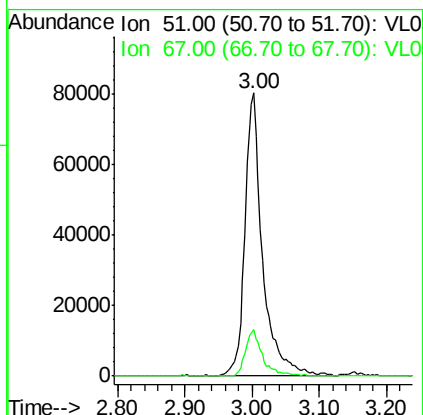
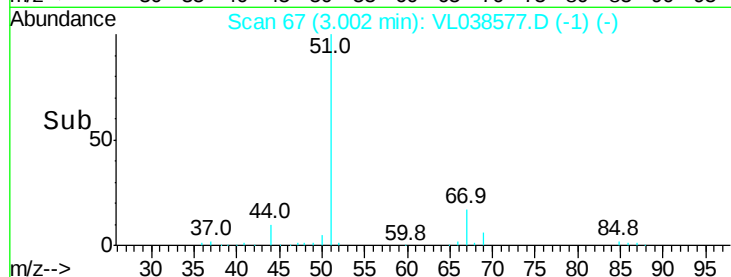
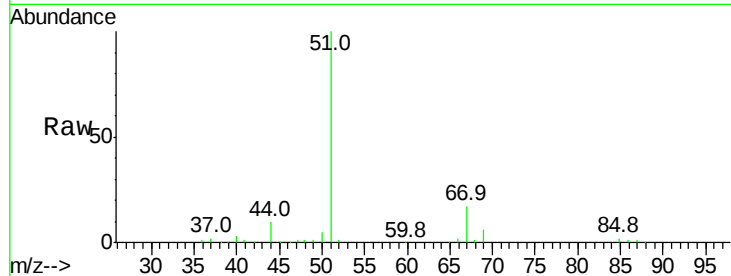
67 15.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 03/10/2022

Supervised By :Mahesh Dadoda 03/14/2022



#4

Chloromethane

Concen: 0.73 ppbv

RT: 3.15 min Scan# 114

Delta R.T. 0.02 min

Lab File: VL038577.D

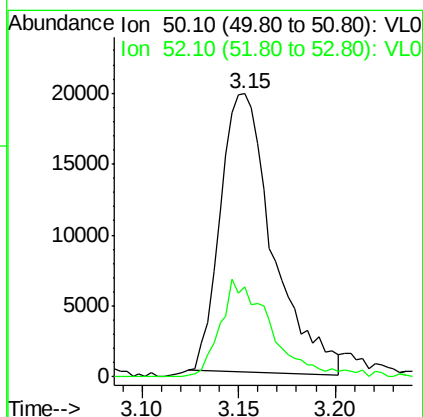
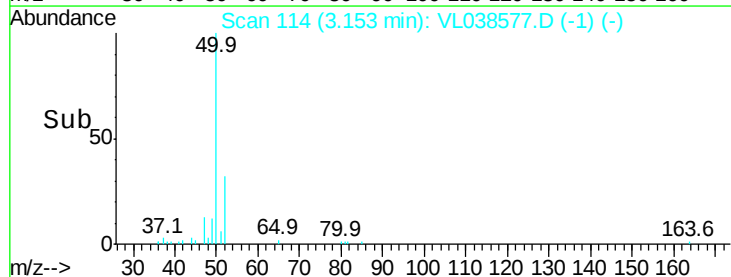
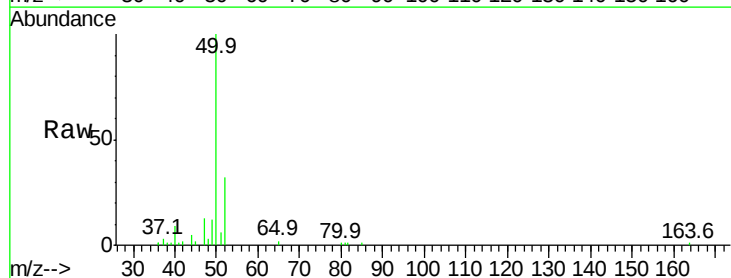
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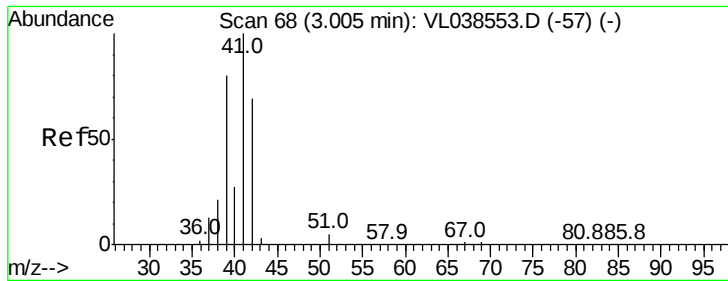
Tgt Ion: 50 Resp: 37172

Ion Ratio Lower Upper

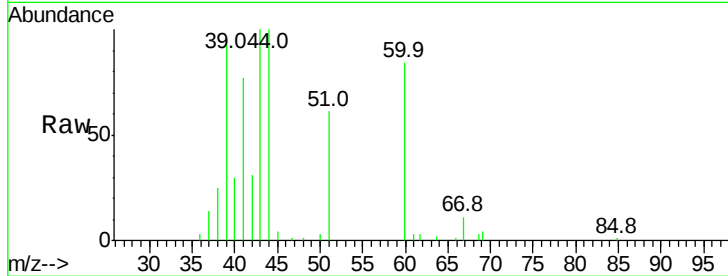
50 100

52 31.6 25.6 38.4





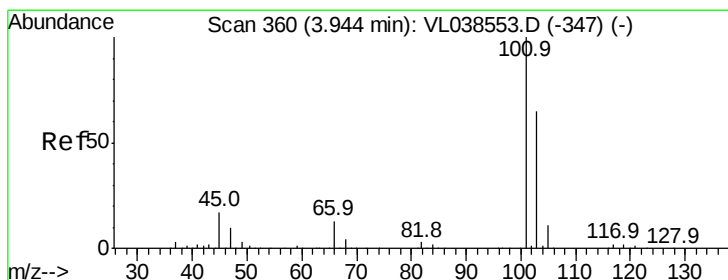
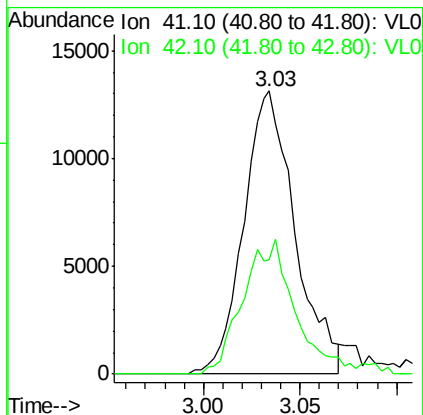
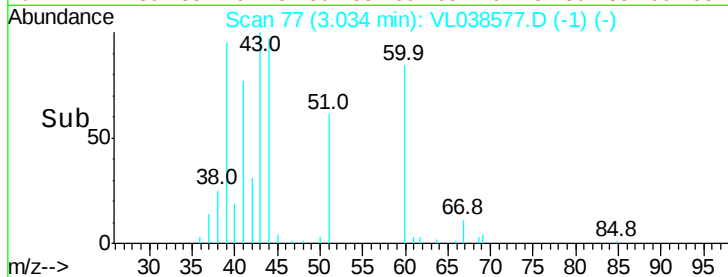
#9
 Propene
 Concen: 0.50 ppbv
 RT: 3.03
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 9 Mar 2022 15:48



Tgt Ion:
 Ion Ratio
 41 100
 42 49.

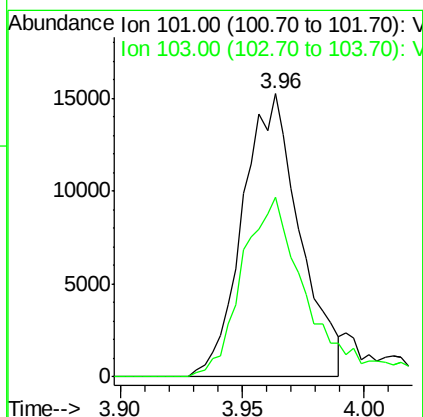
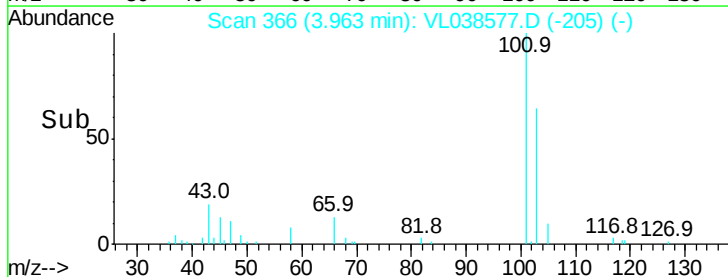
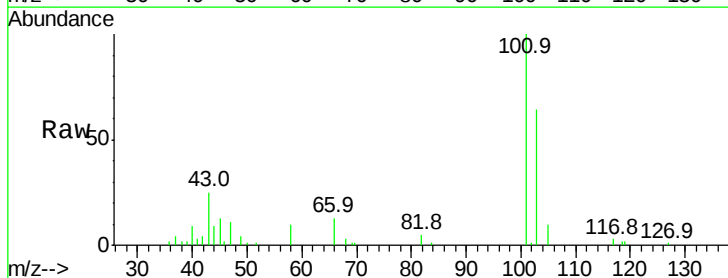
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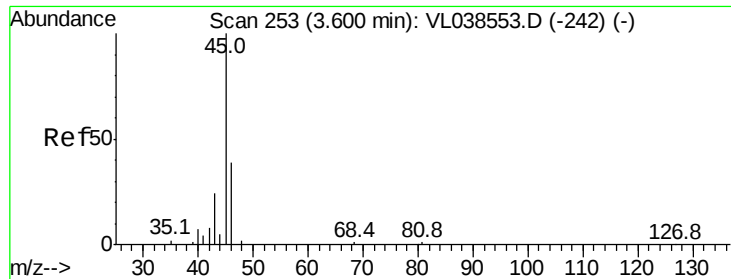
Reviewed By :Semsettin Yesilyurt 03/10/2022
 Supervised By :Mahesh Dadoda 03/14/2022



#11
 Trichlorofluoromethane
 Concen: 0.24 ppbv
 RT: 3.96 min Scan# 366
 Delta R.T. 0.02 min
 Lab File: VL038577.D
 Acq: 9 Mar 2022 15:48

Tgt Ion:101 Resp: 24826
 Ion Ratio Lower Upper
 101 100
 103 63.7 52.0 78.0



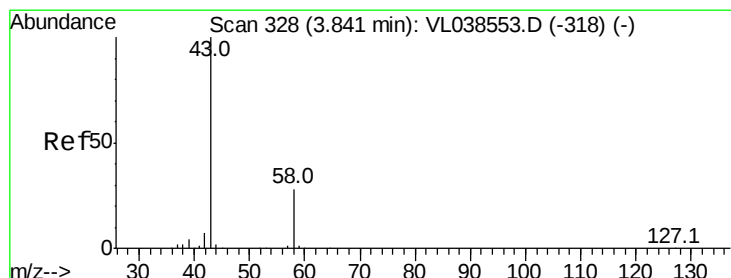
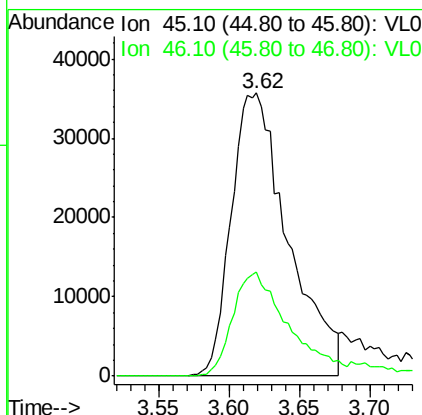
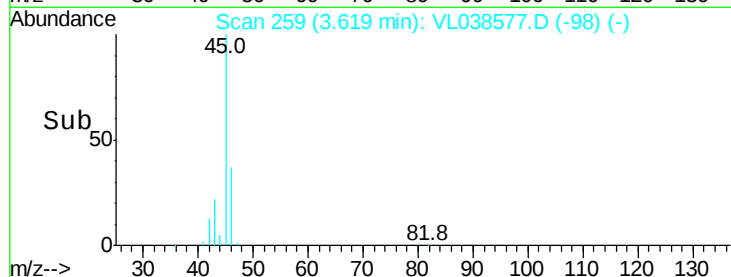
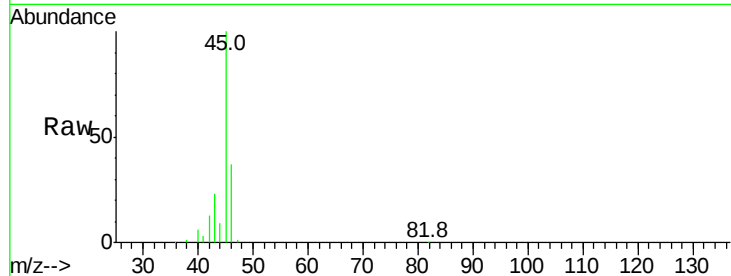


#13
Ethanol
Concen: 17.98 ppbv
RT: 3.62
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 9 Mar 2022 15:48

Tgt Ion:
Ion Ratio
45 100
46 39.

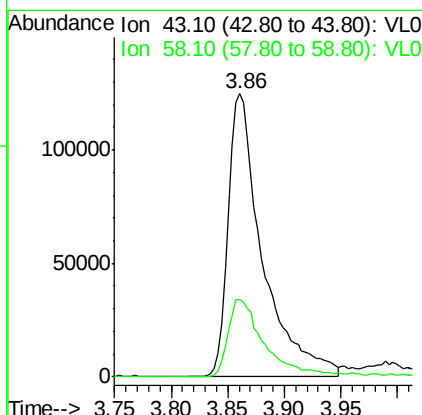
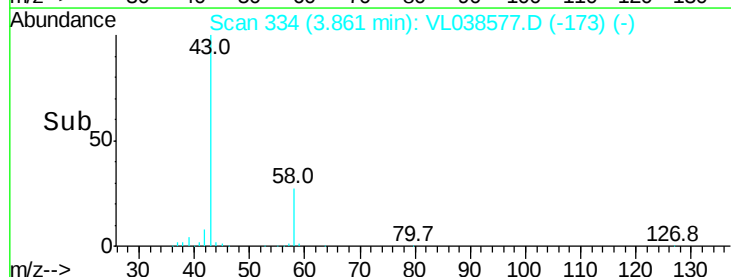
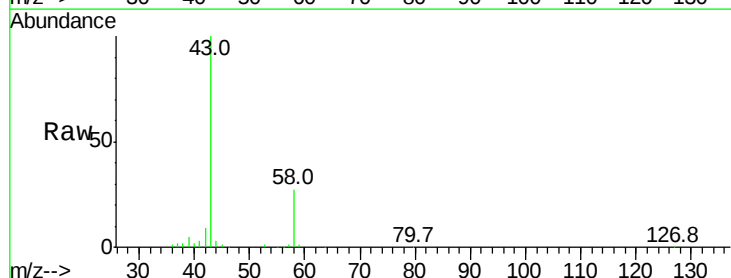
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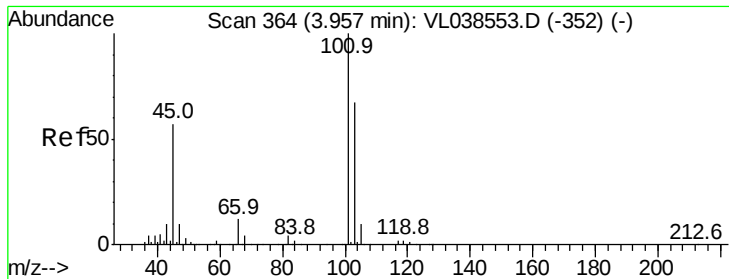
Reviewed By :Semsettin Yesilyurt 03/10/2022
Supervised By :Mahesh Dadoda 03/14/2022



#15
Acetone
Concen: 4.79 ppbv
RT: 3.86 min Scan# 334
Delta R.T. 0.02 min
Lab File: VL038577.D
Acq: 9 Mar 2022 15:48

Tgt Ion: 43 Resp: 263956
Ion Ratio Lower Upper
43 100
58 30.0 22.7 34.1





#19

Isopropyl Alcohol

Concen: 0.93 ppbv m

RT: 4.00 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 9 Mar 2022 15:48

Tgt Ion:

Ion Ratio

45 100

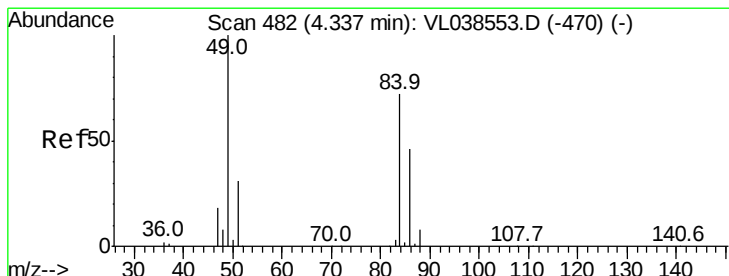
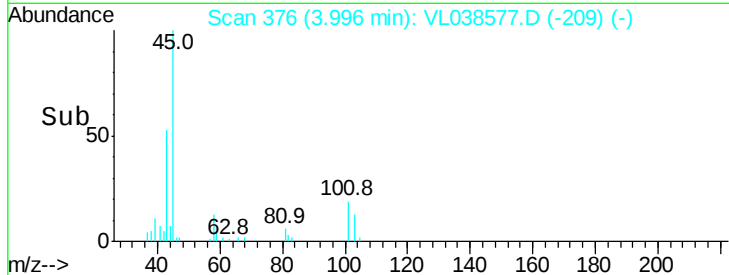
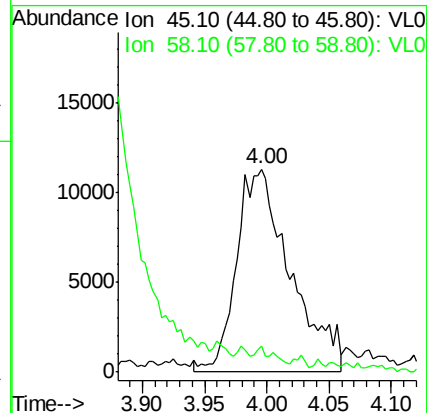
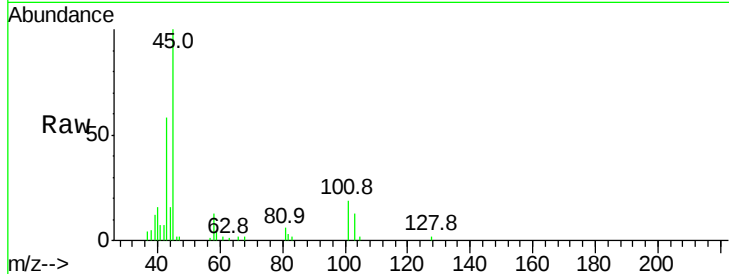
58 0.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 03/10/2022

Supervised By :Mahesh Dadoda 03/14/2022



#20

Methylene Chloride

Concen: 5.56 ppbv

RT: 4.36 min Scan# 488

Delta R.T. 0.02 min

Lab File: VL038577.D

Acq: 9 Mar 2022 15:48

Tgt Ion: 84 Resp: 184667

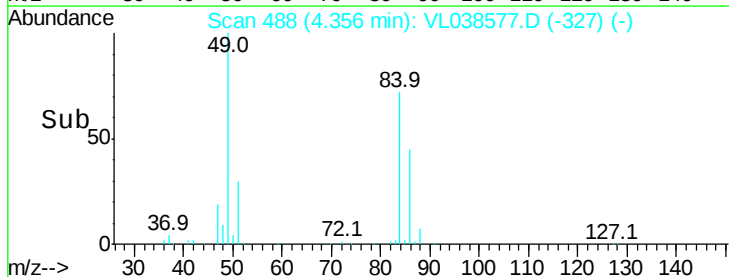
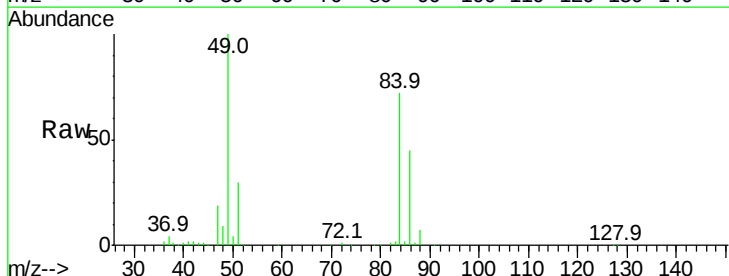
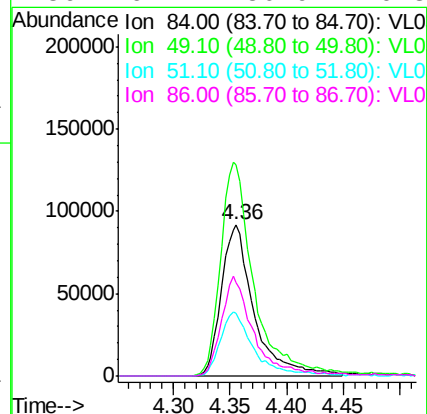
Ion Ratio Lower Upper

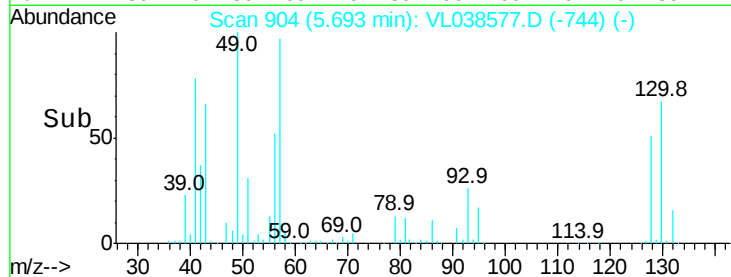
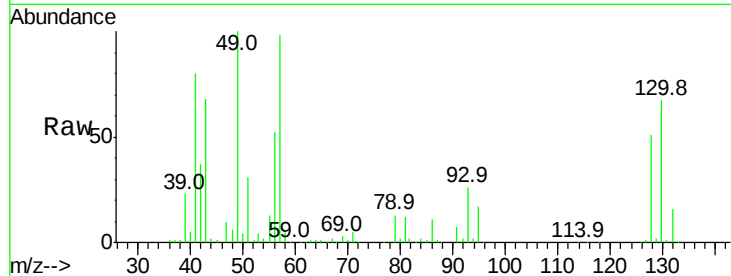
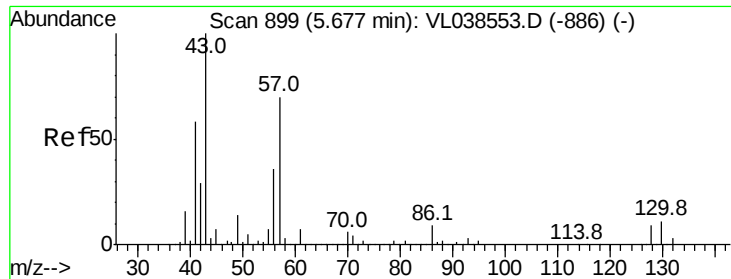
84 100

49 139.5 111.1 166.7

51 41.3 34.0 51.0

86 62.2 50.9 76.3



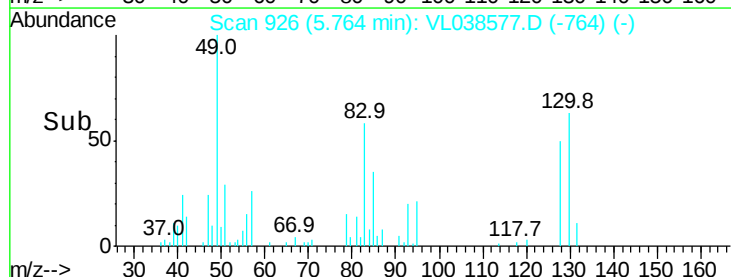
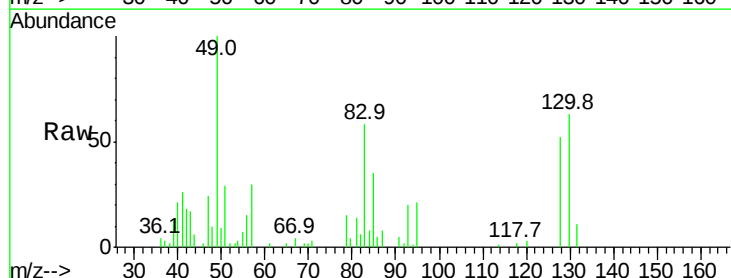
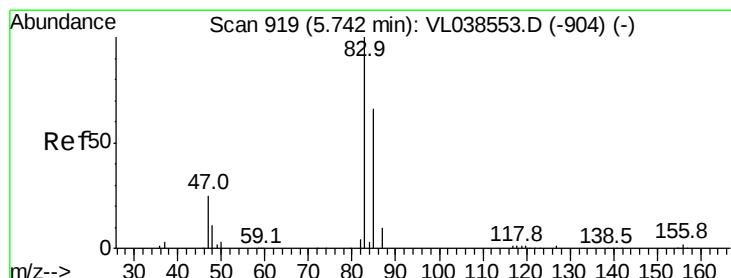
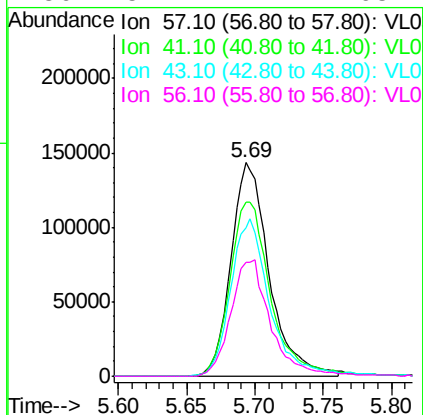


#26
Hexane
Concen: 3.20 ppbv
RT: 5.69
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 9 Mar 2022 15:48

Tgt Ion: 57.1 42.2 63.2
Ion Ratio
57 100
41 87.
43 76.
56 57.1 42.2 63.2

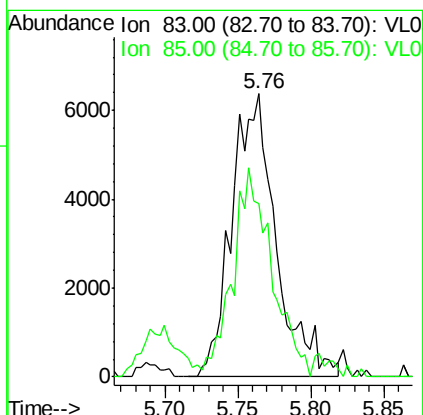
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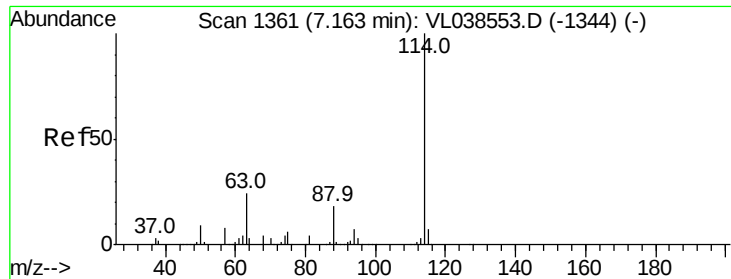
Reviewed By :Semsettin Yesilyurt 03/10/2022
Supervised By :Mahesh Dadoda 03/14/2022



#29
Chloroform
Concen: 0.10 ppbv m
RT: 5.76 min Scan# 926
Delta R.T. 0.02 min
Lab File: VL038577.D
Acq: 9 Mar 2022 15:48

Tgt Ion: 83 Resp: 13455
Ion Ratio Lower Upper
83 100
85 61.2 52.8 79.2





#33

1,4-Difluorobenzene

Concen: 10.00 ppbv

RT: 7.18

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 9 Mar 2022 15:48

Tgt Ion: 1

Ion Ratio

114 100

63 24.

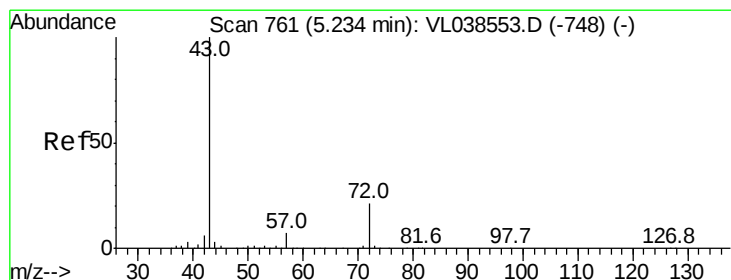
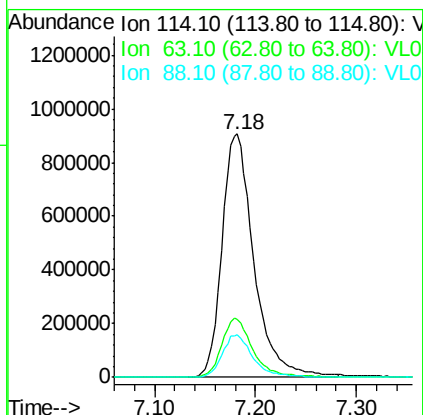
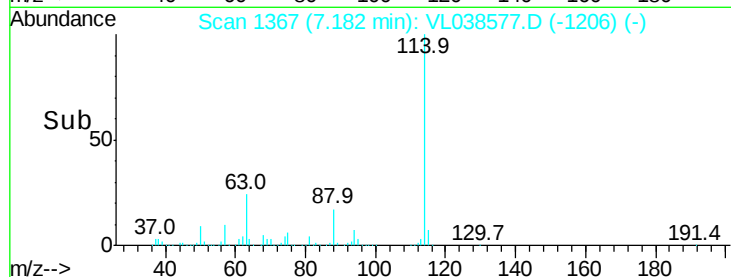
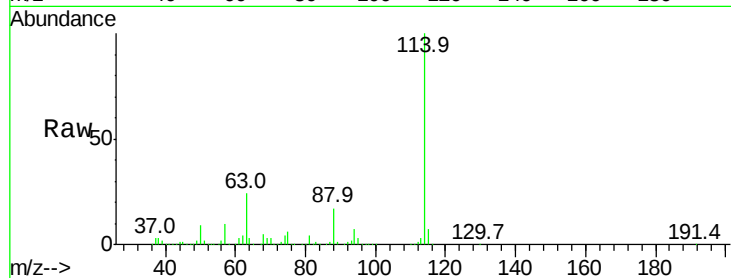
88 17.

Manual Integrations

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Reviewed By : Semsettin Yesilyurt 03/10/2022

Supervised By : Mahesh Dadoda 03/14/2022



#34

2-Butanone

Concen: 0.55 ppbv m

RT: 5.26 min Scan# 768

Delta R.T. 0.02 min

Lab File: VL038577.D

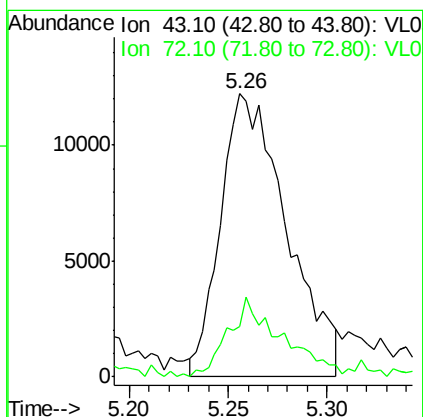
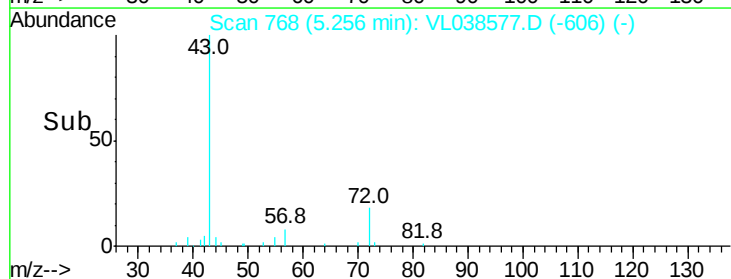
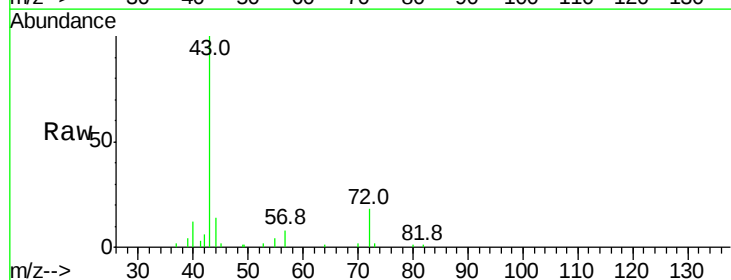
Acq: 9 Mar 2022 15:48

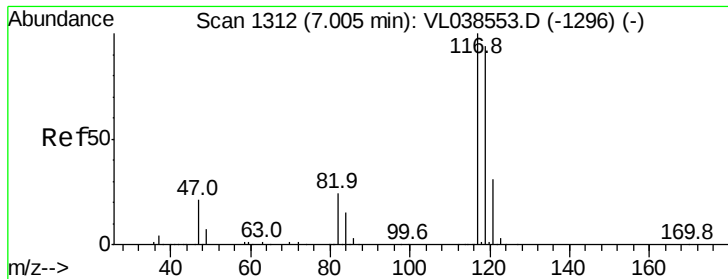
Tgt Ion: 43 Resp: 28464

Ion Ratio Lower Upper

43 100

72 24.2 17.8 26.6



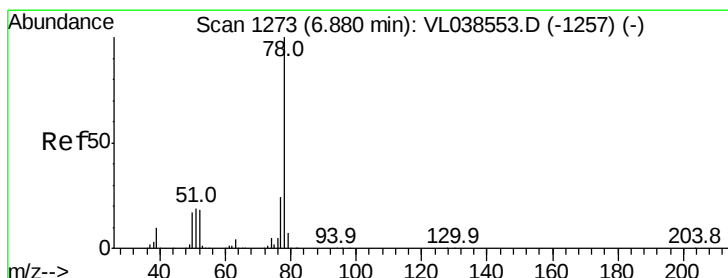
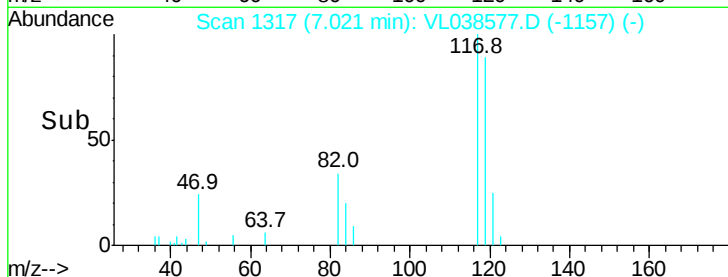
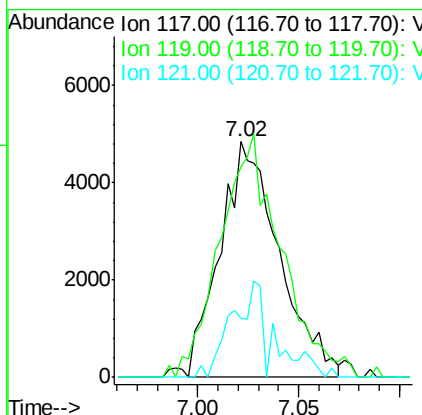
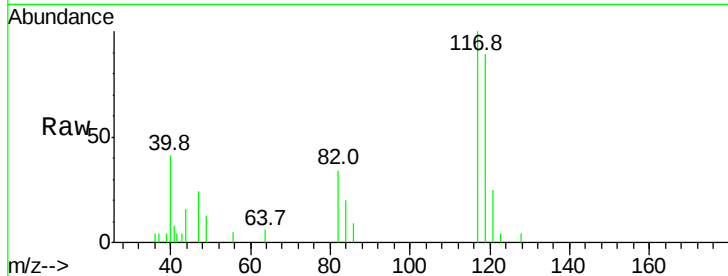


#35
Carbon Tetrachloride
Concen: 0.07 ppbv
RT: 7.02
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 9 Mar 2022 15:48

Tgt Ion: 117
Ion Ratio: 100
117 100
119 82.
121 25.

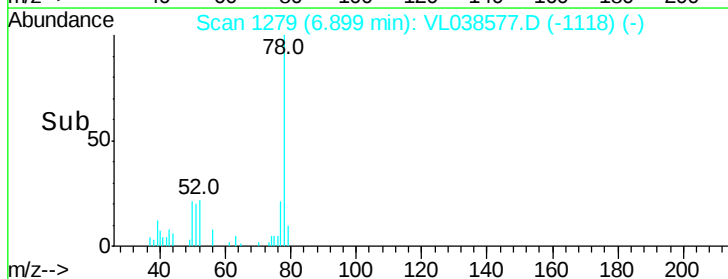
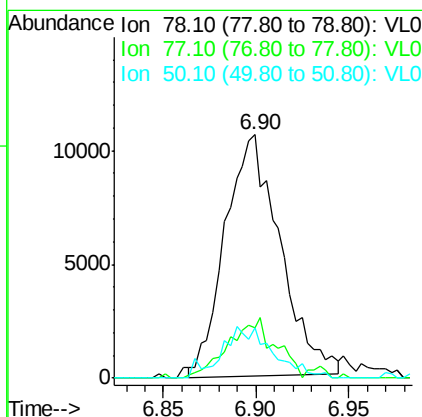
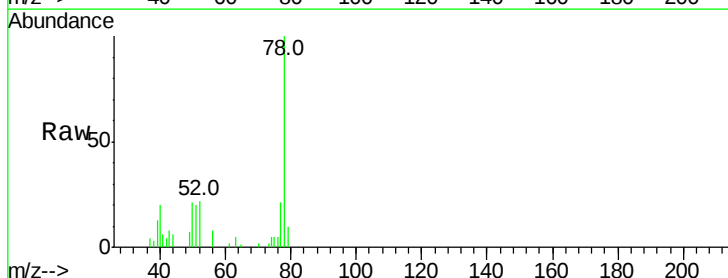
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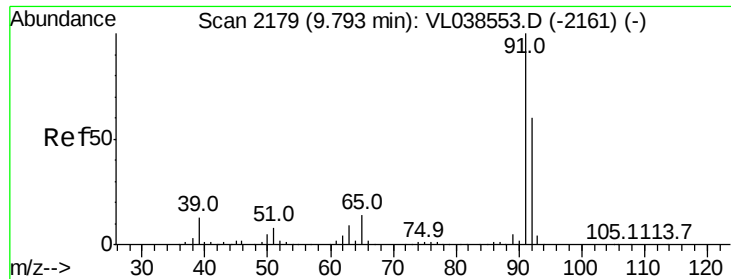
Reviewed By : Semsettin Yesilyurt 03/10/2022
Supervised By : Mahesh Dadoda 03/14/2022



#36
Benzene
Concen: 0.12 ppbv
RT: 6.90 min Scan# 1279
Delta R.T. 0.02 min
Lab File: VL038577.D
Acq: 9 Mar 2022 15:48

Tgt Ion: 78 Resp: 21936
Ion Ratio Lower Upper
78 100
77 21.6 19.0 28.4
50 42.7 13.9 20.9#





#53

Toluene

Concen: 0.43 ppbv

RT: 9.81 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 9 Mar 2022 15:48

Tgt Ion:

Ion Ratio

91 100

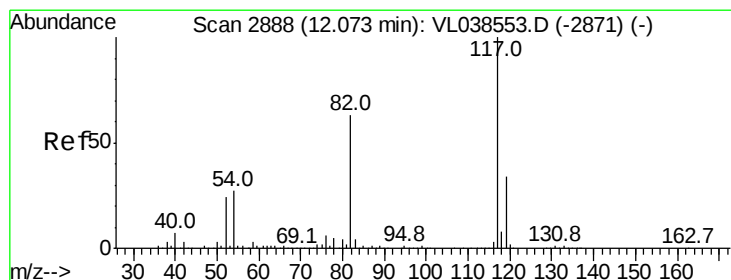
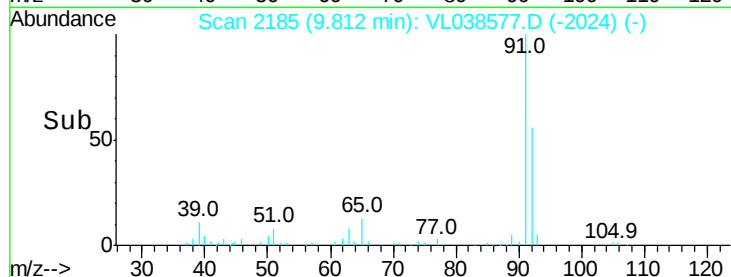
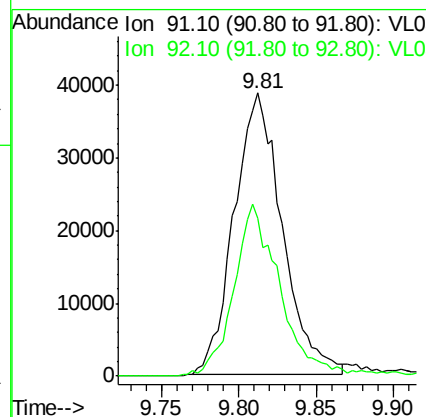
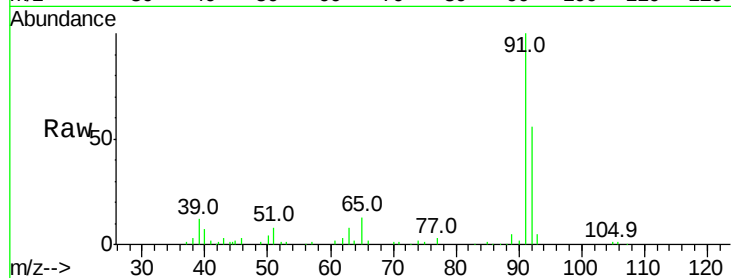
92 59.

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: VL038577.D

Acq: 9 Mar 2022 15:48

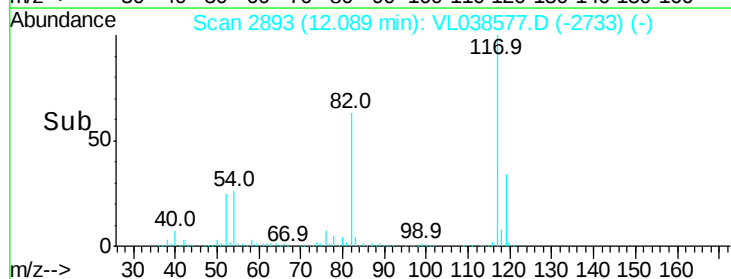
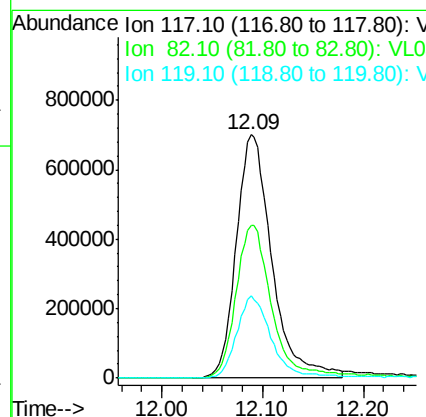
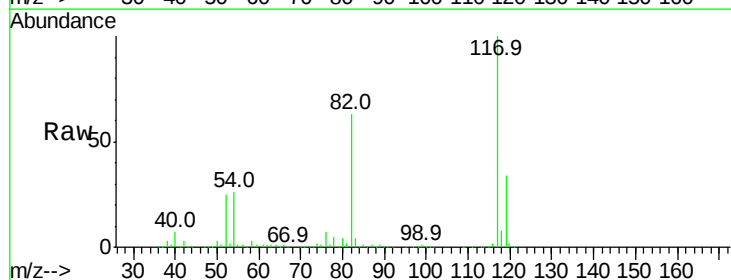
Tgt Ion:117 Resp: 1721678

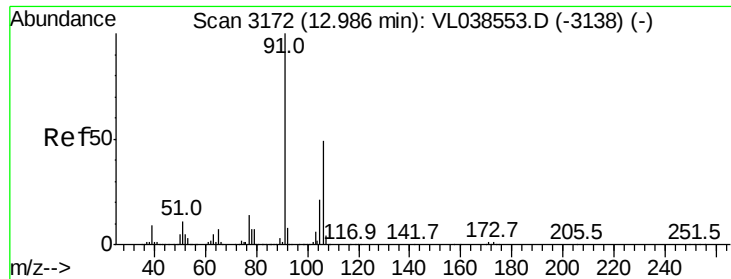
Ion Ratio Lower Upper

117 100

82 66.4 52.5 78.7

119 34.2 46.4 69.6#



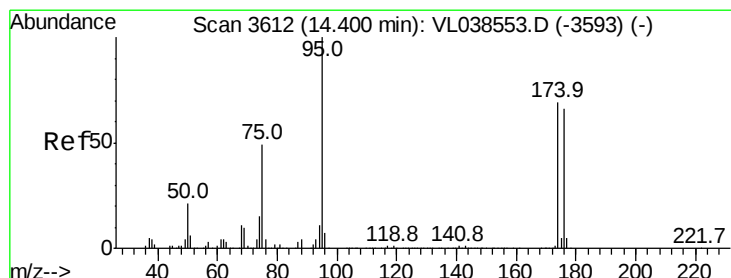
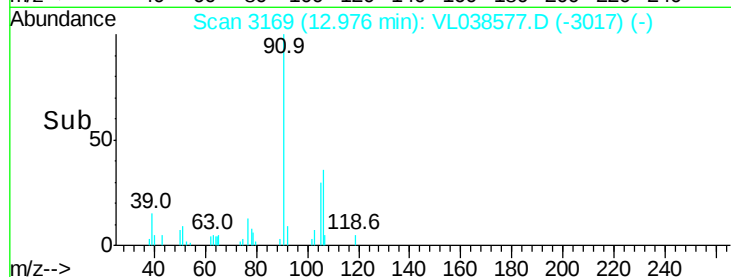
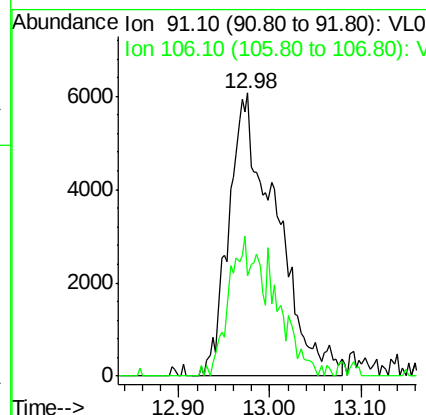
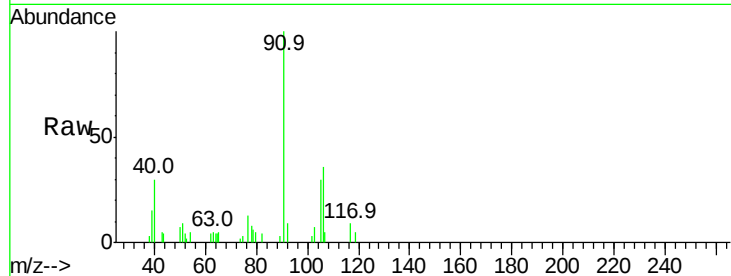


#59
m/p-Xylene
Concen: 0.11 ppbv m
RT: 12.98
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 9 Mar 2022 15:48

Tgt Ion:
Ion Ratio
91 100
106 0.

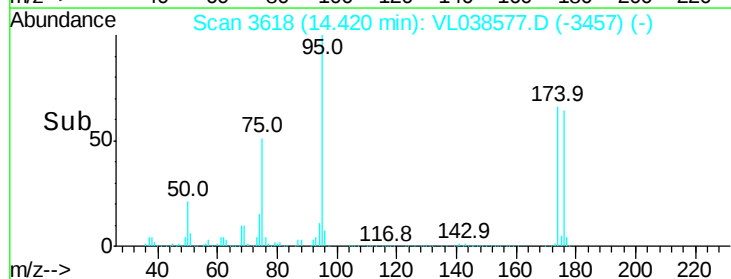
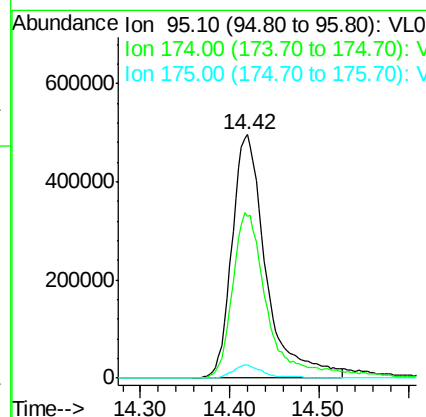
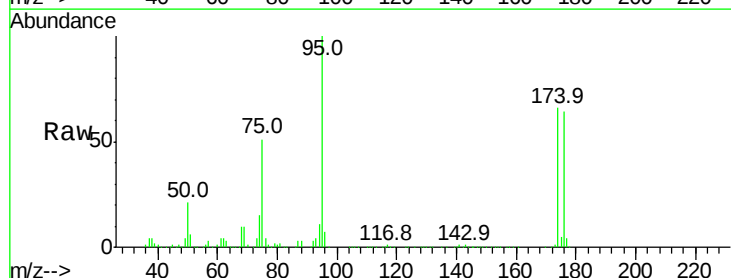
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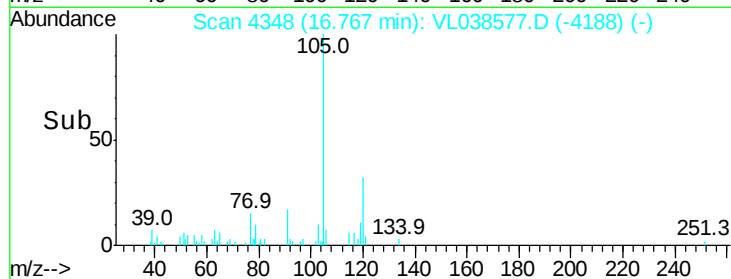
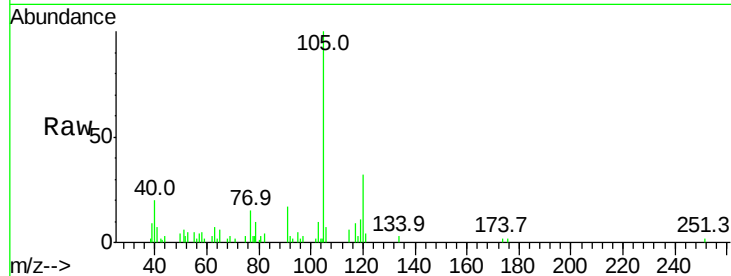
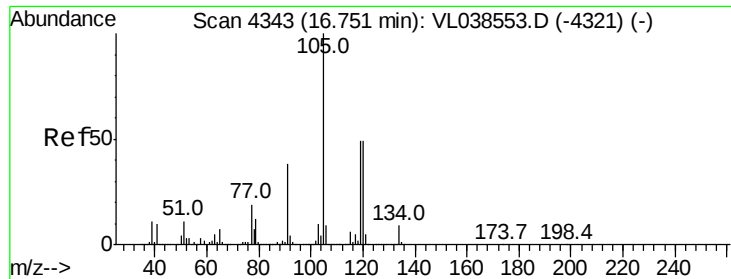
Reviewed By :Semsettin Yesilyurt 03/10/2022
Supervised By :Mahesh Dadoda 03/14/2022



#68
1-Bromo-4-Fluorobenzene
Concen: 10.06 ppbv
RT: 14.42 min Scan# 3618
Delta R.T. 0.02 min
Lab File: VL038577.D
Acq: 9 Mar 2022 15:48

Tgt Ion: 95 Resp: 1316554
Ion Ratio Lower Upper
95 100
174 71.9 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 15.48

Tgt Ion:1
 Ion Rati
 105 100
 120 32.
 91 17.
 77 15.0 15.2 22.8#

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

