

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL012722\
 Data File : VL038306.D
 Acq On : 27 Jan 2022 21:15
 Operator : SY/AP
 Sample : N1300-01 2X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-18C

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 01/28/2022
 Supervised By : Mahesh Dadoda 01/28/2022

Quant Time: Jan 28 06:32:38 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL012422A
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
 QLast Update : Mon Jan 24 14:12:48 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	756672	10.00	ppbv	-0.03
33) 1,4-Difluorobenzene	7.15	114	1974290	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.06	117	1634779	10.00	ppbv	-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	1197672	9.65	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.50%

Target Compounds

	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.04	85	19285	0.120	ppbv #	80
3) Chlorodifluoromethane	2.97	51	57526m	0.382	ppbv	
4) Chloromethane	3.14	50	13554m	0.262	ppbv	
9) Propene	3.02	41	40501m	0.826	ppbv	
10) Heptane	8.10	43	21942m	0.174	ppbv	
11) Trichlorofluoromethane	3.94	101	14529m	0.116	ppbv	
13) Ethanol	3.59	45	2731096	518.814	ppbv	97
15) Acetone	3.84	43	181991	2.728	ppbv	93
19) Isopropyl Alcohol	3.95	45	1140722	27.337	ppbv #	96
20) Methylene Chloride	4.34	84	13114m	0.338	ppbv	
26) Hexane	5.67	57	61539	0.708	ppbv #	47
29) Chloroform	5.74	83	42588	0.300	ppbv	99
30) Cyclohexane	7.11	84	9742m	0.129	ppbv	
34) 2-Butanone	5.24	43	13309m	0.206	ppbv	
35) Carbon Tetrachloride	6.99	117	5542m	0.040	ppbv	
36) Benzene	6.87	78	25903	0.148	ppbv #	91
38) Trichloroethene	7.82	130	16221m	0.249	ppbv	
44) 2,2,4-Trimethylpentane	7.85	57	35046m	0.114	ppbv	
53) Toluene	9.78	91	56381m	0.292	ppbv	
59) m/p-Xylene	12.94	91	42210m	0.206	ppbv	

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

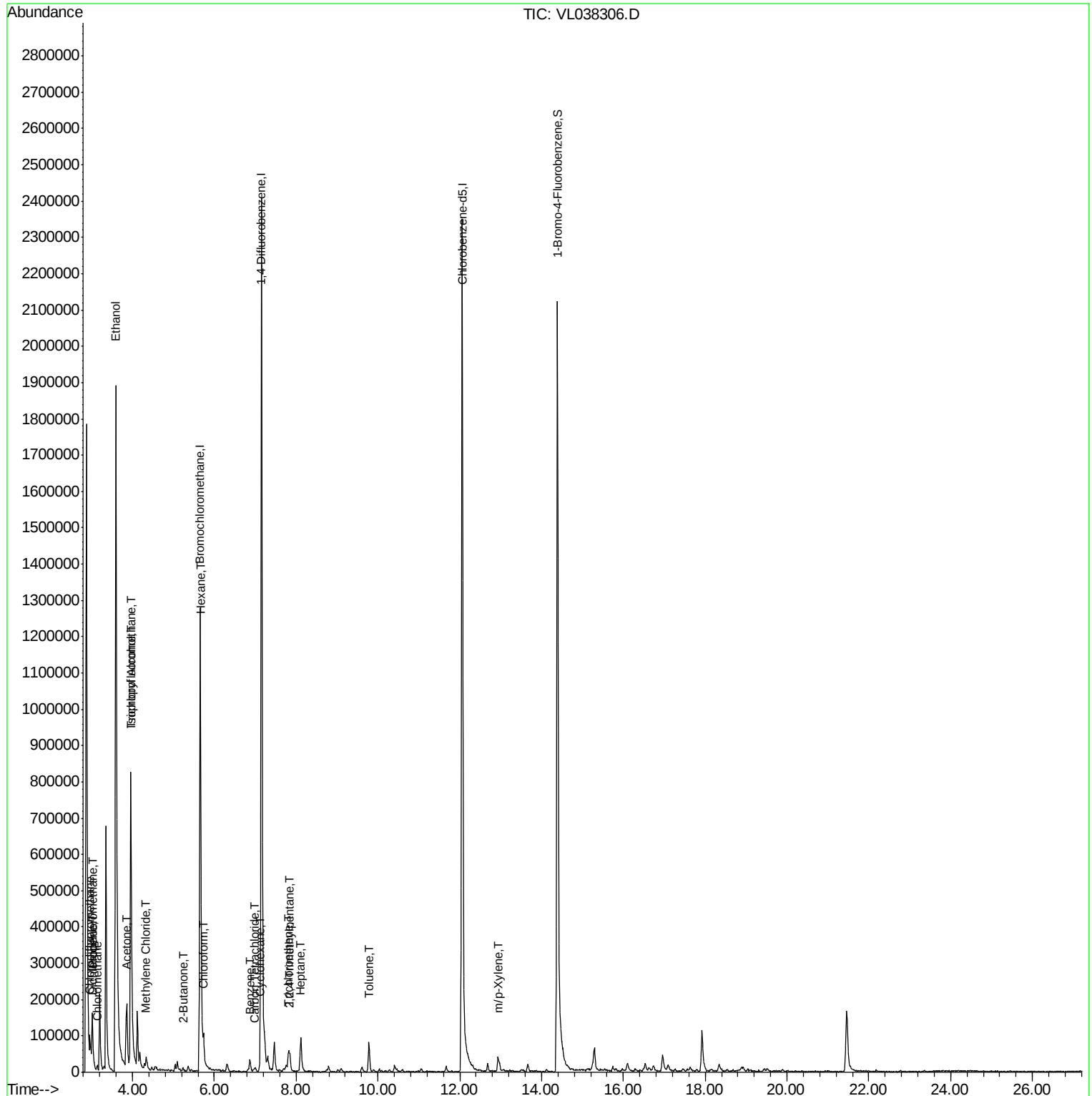
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Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_L\DATA\VL012722\  
Data File : VL038306.D  
Acq On    : 27 Jan 2022   21:15  
Operator  : SY/AP  
Sample    : N1300-01 2X  
Misc      : 400mL/MSVOA_L  
ALS Vial  : 1    Sample Multiplier: 1
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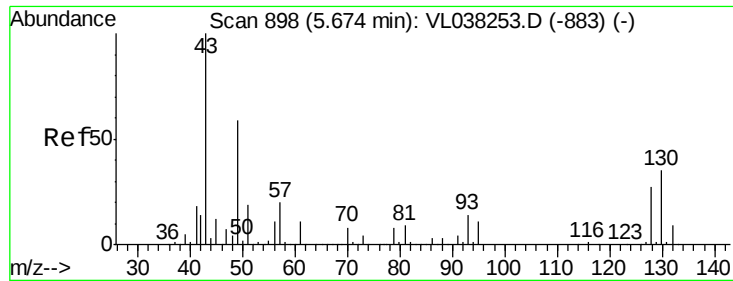
Instrument :
MSVOA_L
ClientSampleId :
IA-18C

Manual Integrations

Quant Time: Jan 28 06:32:38 2022
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_L\METHODS\VL012422
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
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Supervised By :Mahesh Dadoda 01/28/2022





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 Instrument: MSVOA_L

Delta R.T. ClientSampleId:

Lab File: LA-18C

Acq: 27 Jan 2022 21:15

Tgt Ion:

Ion Ratio

49 100

128 46.

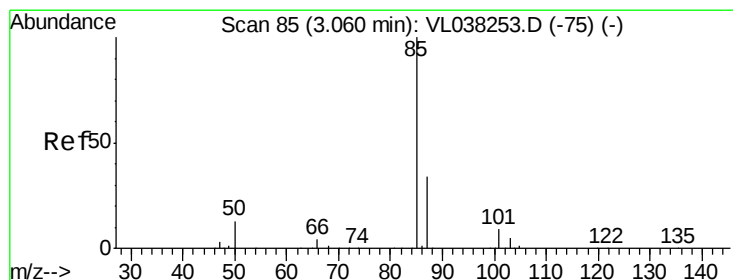
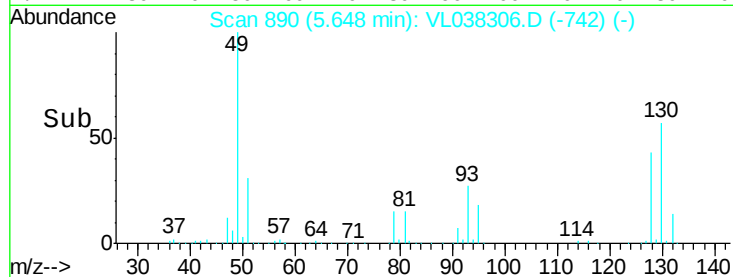
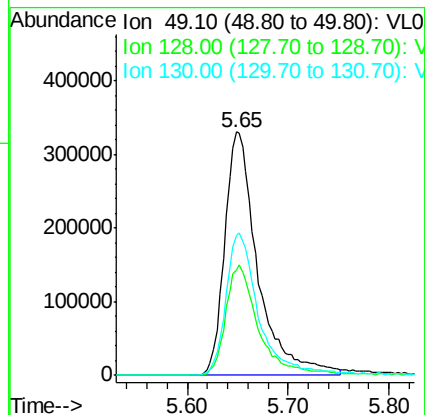
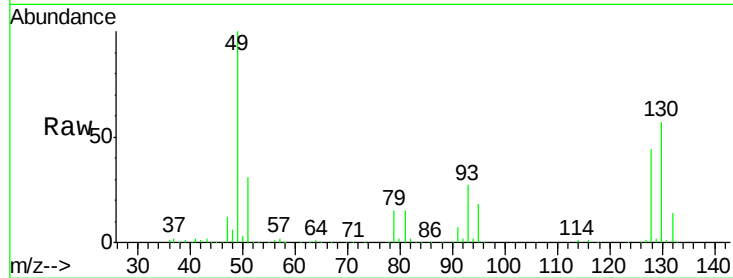
130 59.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 01/28/2022

Supervised By :Mahesh Dadoda 01/28/2022



#2

Dichlorodifluoromethane

Concen: 0.120 ppbv

RT: 3.04 min Scan# 79

Delta R.T. -0.02 min

Lab File: VL038306.D

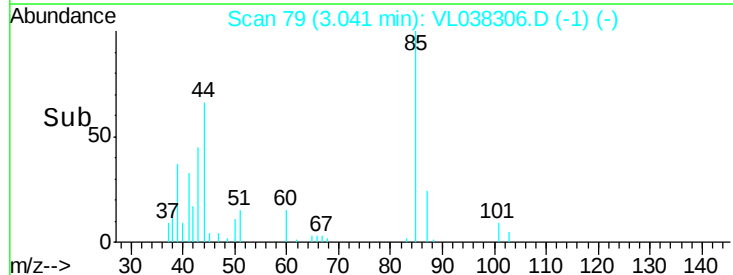
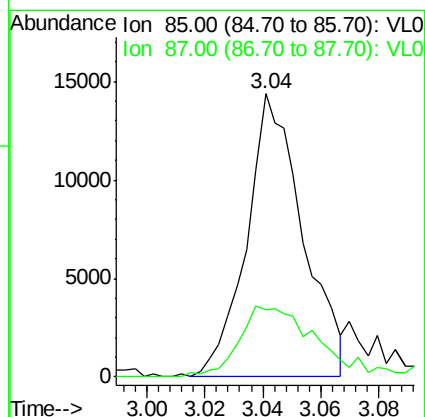
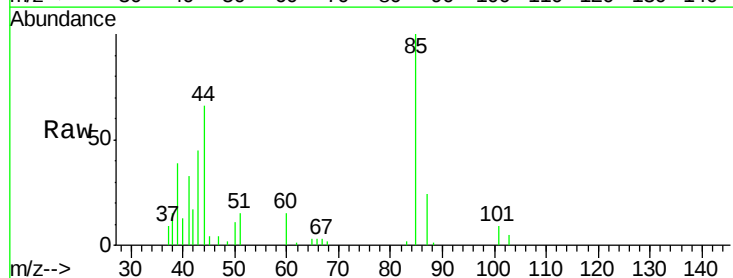
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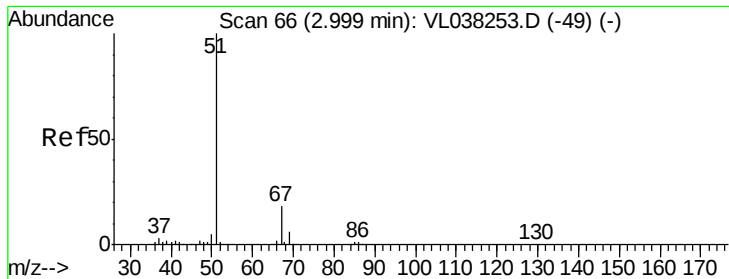
Tgt Ion: 85 Resp: 19285

Ion Ratio Lower Upper

85 100

87 22.1 27.0 40.6#





#3

Chlorodifluoromethane

Concen: 0.382 ppbv m

RT: 2.97 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 27 Jan 2022 21:15

Tgt Ion:

Ion Ratio

51 100

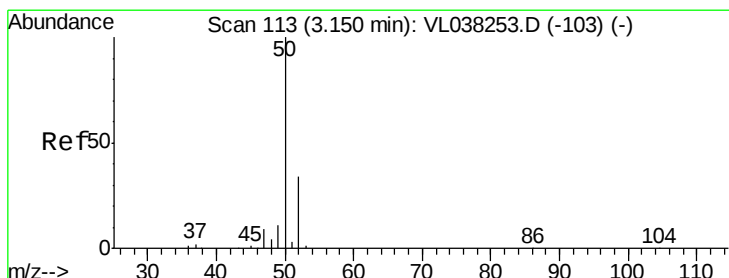
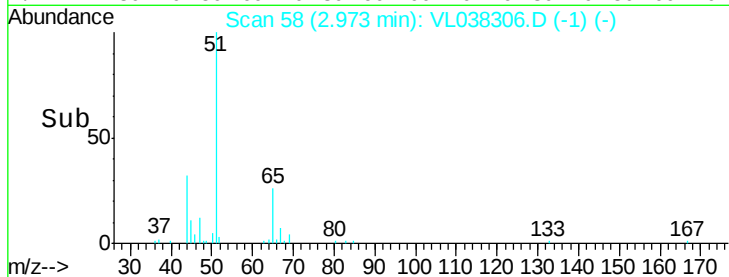
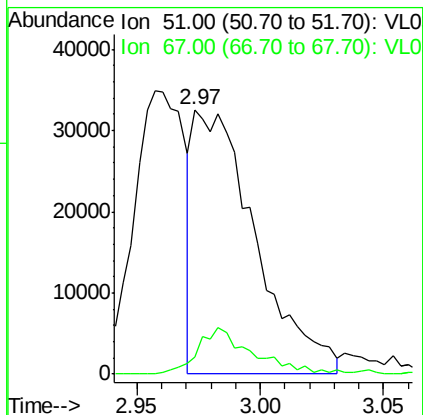
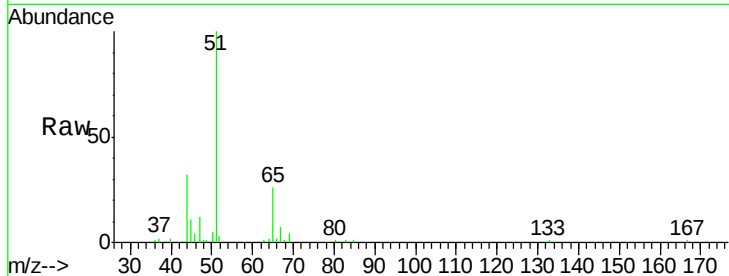
67 15.

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Supervised By :Mahesh Dadoda 01/28/2022



#4

Chloromethane

Concen: 0.262 ppbv m

RT: 3.14 min Scan# 109

Delta R.T. -0.01 min

Lab File: VL038306.D

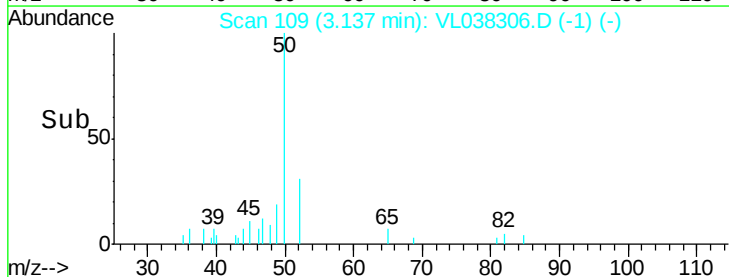
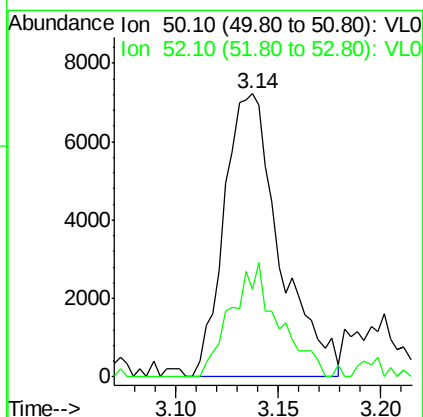
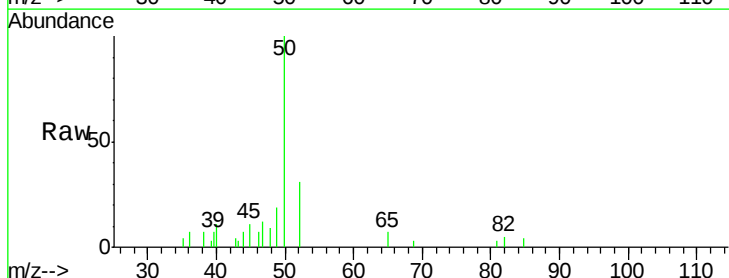
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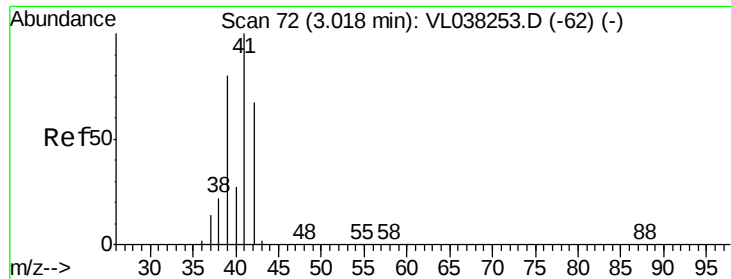
Tgt Ion: 50 Resp: 13554

Ion Ratio Lower Upper

50 100

52 30.8 27.1 40.7





#9

Propene

Concen: 0.826 ppbv m

RT: 3.02 Instrument :

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 27 Jan 2022 21:15

Tgt Ion:

Ion Ratio

41 100

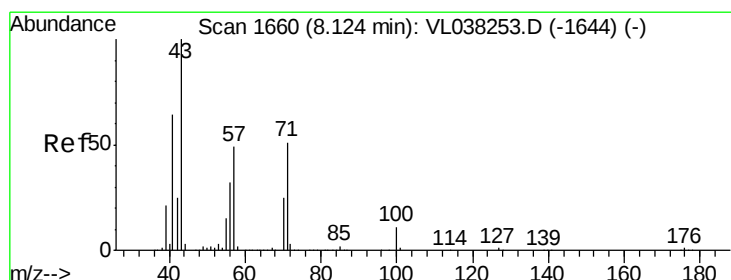
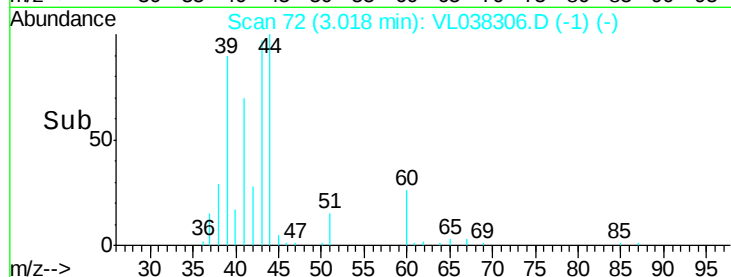
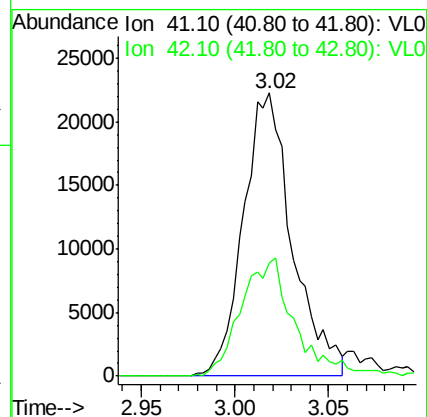
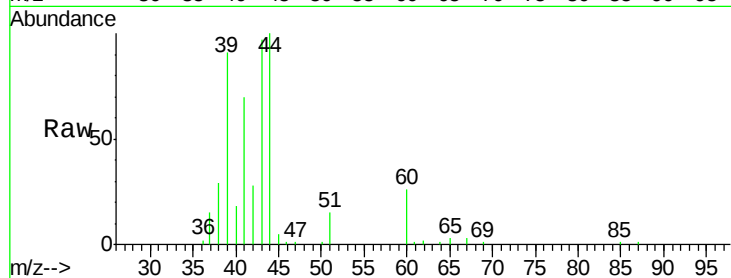
42 130.

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Reviewed By :Semsettin Yesilyurt 01/28/2022

Supervised By :Mahesh Dadoda 01/28/2022



#10

Heptane

Concen: 0.174 ppbv m

RT: 8.10 min Scan# 1652

Delta R.T. -0.03 min

Lab File: VL038306.D

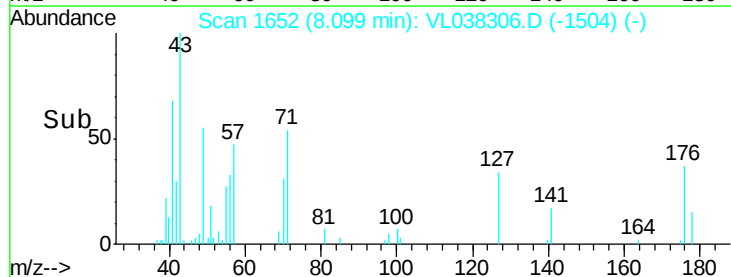
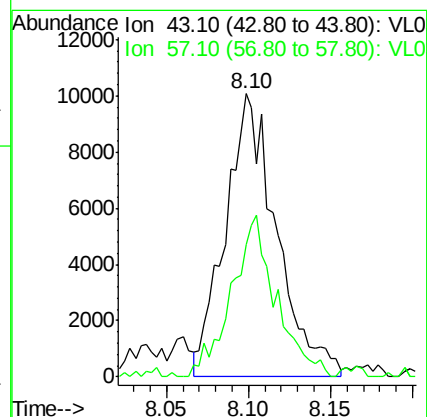
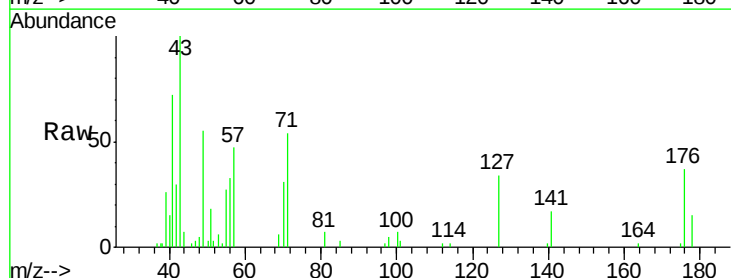
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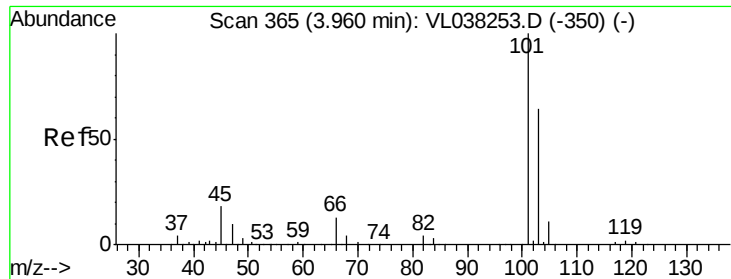
Tgt Ion: 43 Resp: 21942

Ion Ratio Lower Upper

43 100

57 0.0 39.5 59.3#



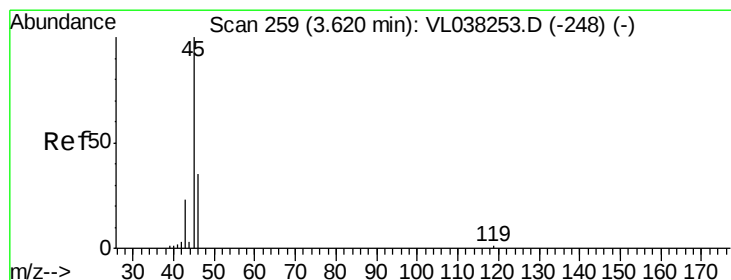
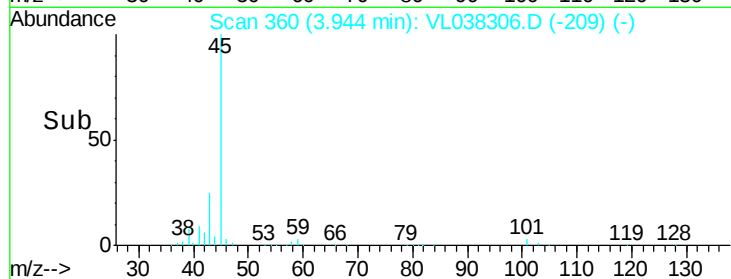
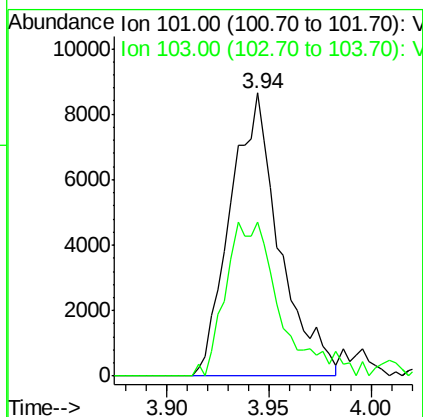
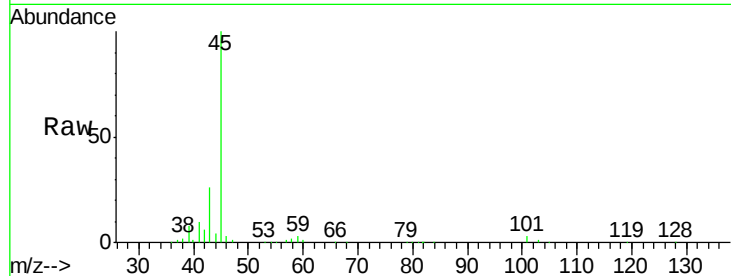


#11
 Trichlorofluoromethane
 Concen: 0.116 ppbv m
 RT: 3.94 Instrument : MSVOA_L
 Delta R.T. :
 Lab File: ClientSampleId :
 Acq: 27 Jan 2022 21:15

Tgt Ion:1
 Ion Rati
 101 100
 103 54.

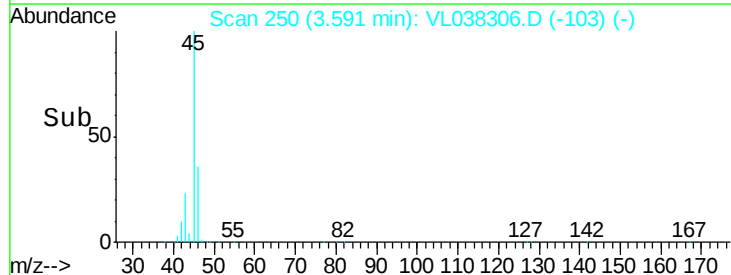
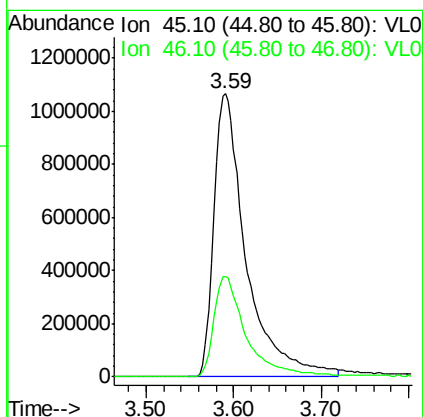
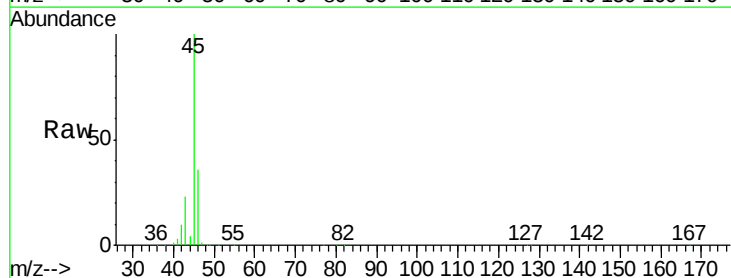
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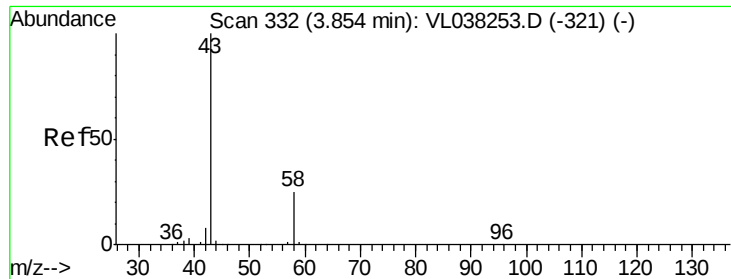
Reviewed By :Semsettin Yesilyurt 01/28/2022
 Supervised By :Mahesh Dadoda 01/28/2022



#13
 Ethanol
 Concen: 518.814 ppbv
 RT: 3.59 min Scan# 250
 Delta R.T. -0.03 min
 Lab File: VL038306.D
 Acq: 27 Jan 2022 21:15

Tgt Ion: 45 Resp: 2731096
 Ion Ratio Lower Upper
 45 100
 46 36.5 15.4 61.6



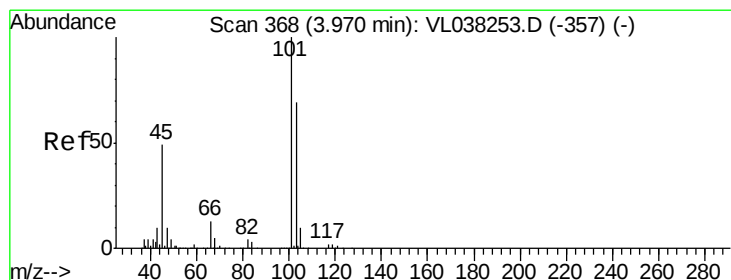
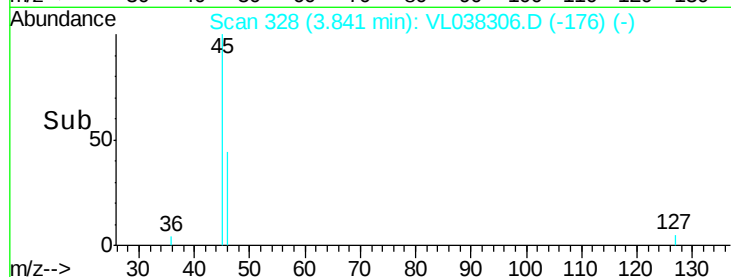
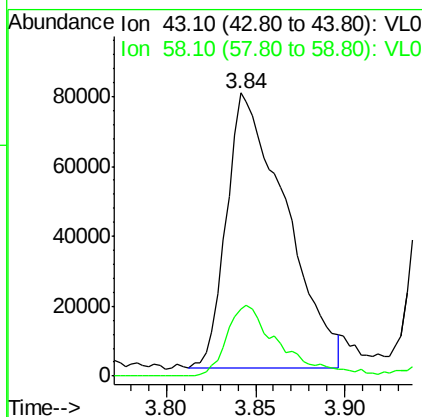
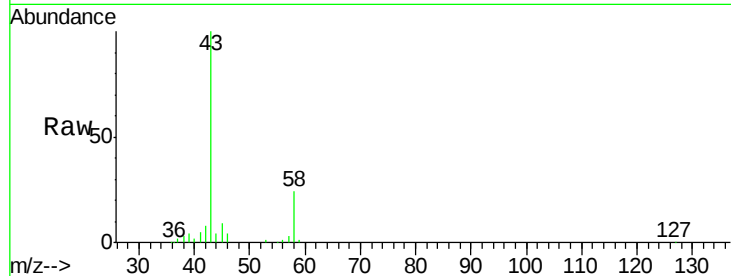


#15
Acetone
Concen: 2.728 ppbv
RT: 3.84
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 27 Jan 2022 21:15

Tgt Ion:
Ion Ratio
43 100
58 23.

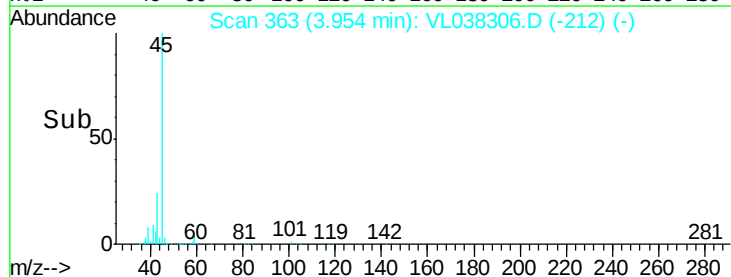
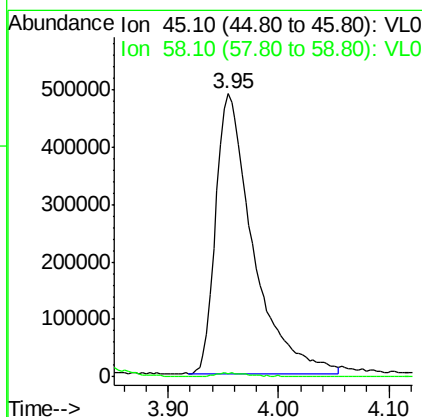
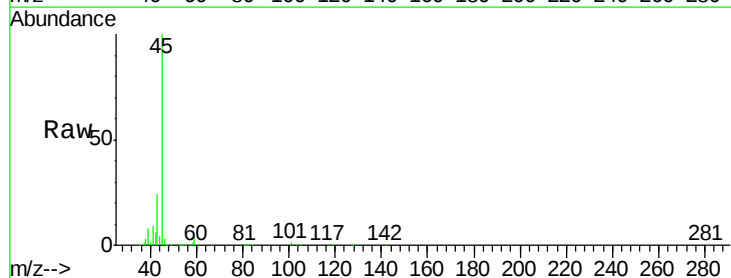
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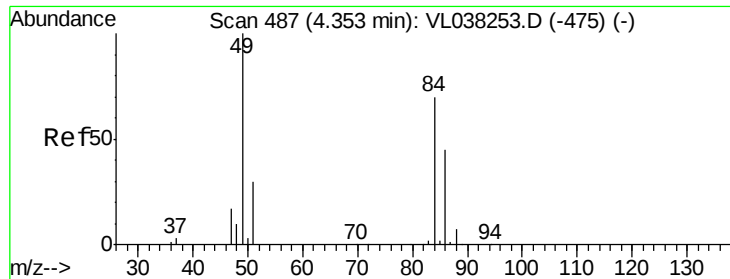
Reviewed By :Semsettin Yesilyurt 01/28/2022
Supervised By :Mahesh Dadoda 01/28/2022



#19
Isopropyl Alcohol
Concen: 27.337 ppbv
RT: 3.95 min Scan# 363
Delta R.T. -0.02 min
Lab File: VL038306.D
Acq: 27 Jan 2022 21:15

Tgt Ion: 45 Resp: 1140722
Ion Ratio Lower Upper
45 100
58 1.5 2.3 3.5#



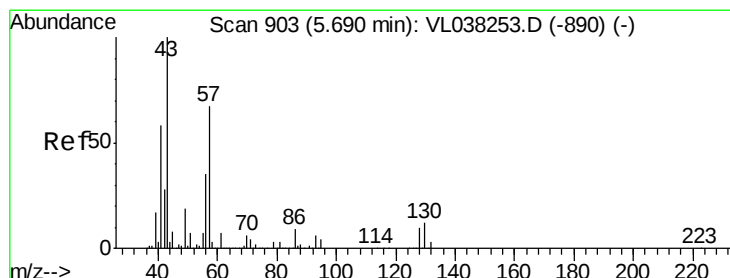
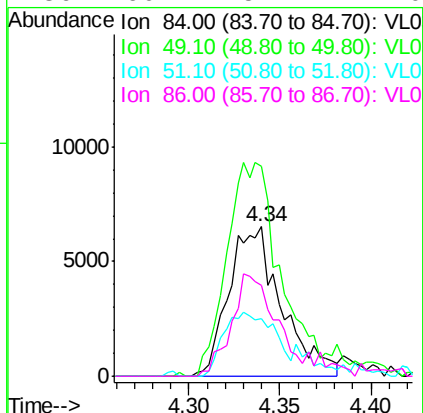
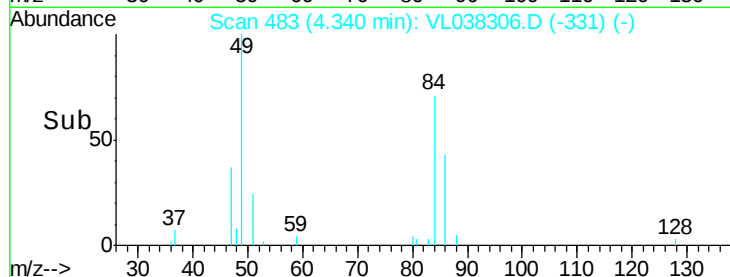
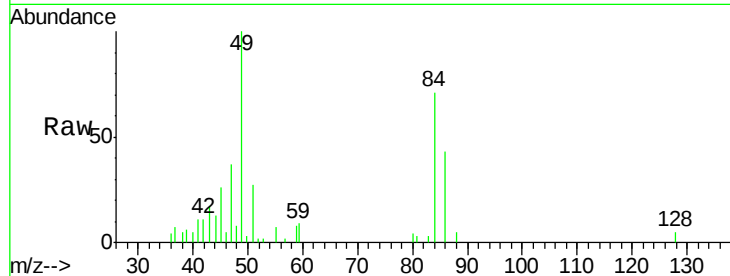


#20
Methylene Chloride
Concen: 0.338 ppbv m
RT: 4.34
Instrument: MSVOA_L
Delta R.T.:
Lab File: ClientSampleId :
Acq: 27 Jan 2022 21:15

Tgt Ion:
Ion Ratio
84 100
49 140.
51 38.
86 60.7 51.4 77.0

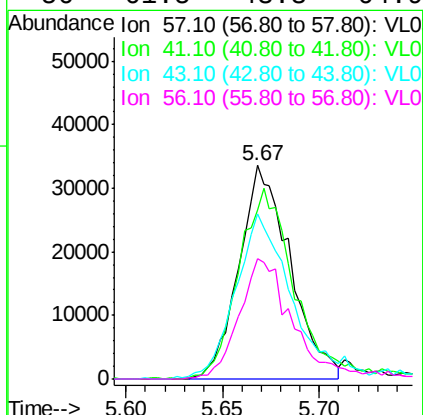
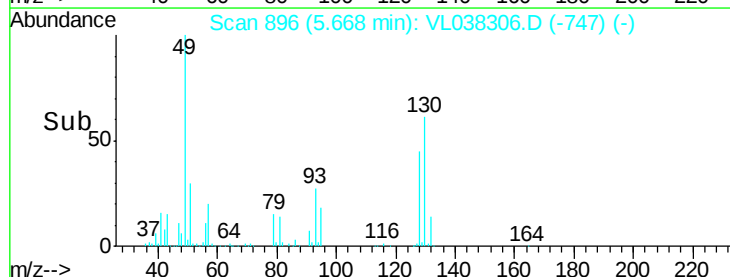
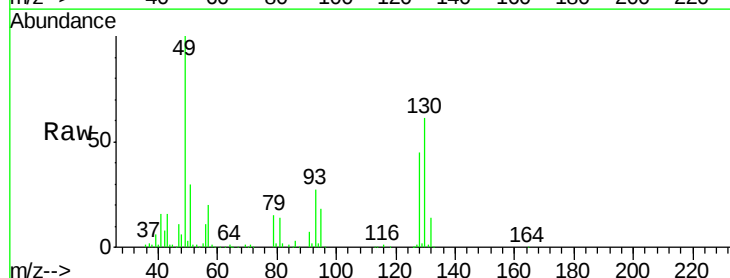
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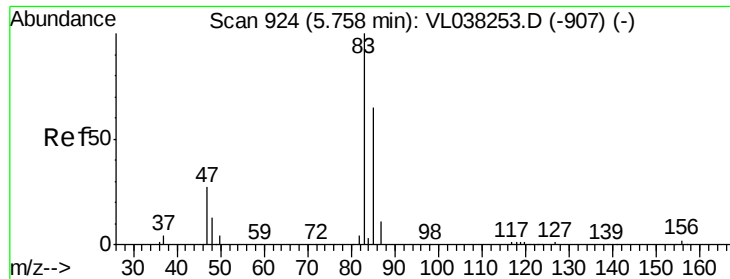
Reviewed By :Semsettin Yesilyurt 01/28/2022
Supervised By :Mahesh Dadoda 01/28/2022



#26
Hexane
Concen: 0.708 ppbv
RT: 5.67 min Scan# 896
Delta R.T. -0.02 min
Lab File: VL038306.D
Acq: 27 Jan 2022 21:15

Tgt Ion: 57 Resp: 61539
Ion Ratio Lower Upper
57 100
41 102.1 72.8 109.2
43 90.3 177.0 265.6#
56 61.5 43.3 64.9



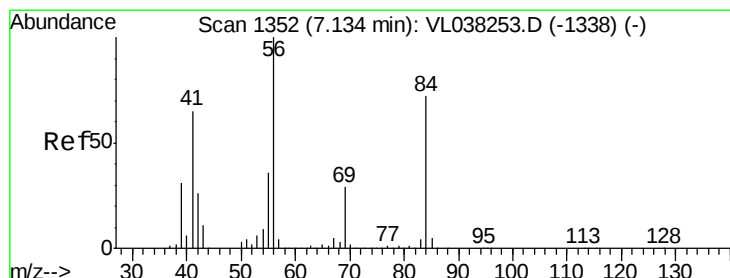
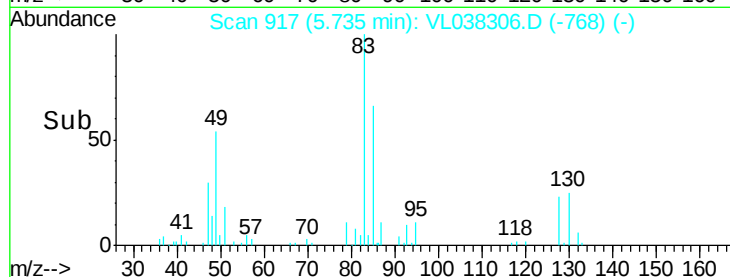
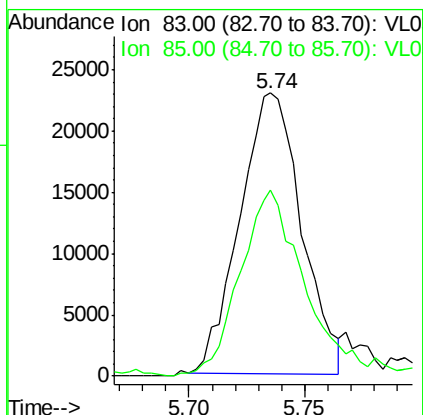
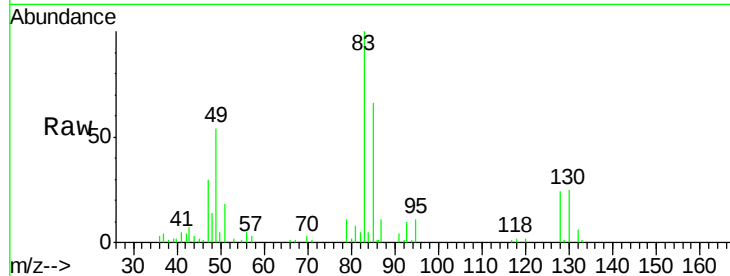


#29
Chloroform
Concen: 0.300 ppbv
RT: 5.74
Instrument: MSVOA_L
Delta R.T.:
Lab File: ClientSampleId :
Acq: 27 Jan 2022 21:15

Tgt Ion:
Ion Ratio
83 100
85 65.

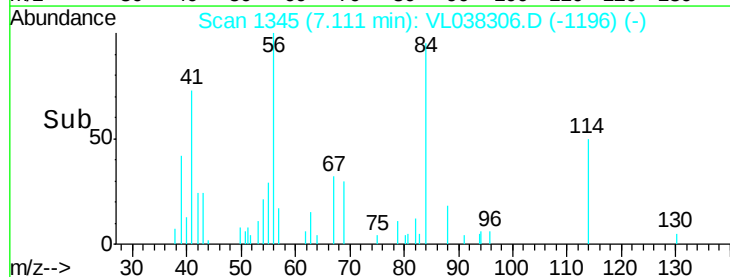
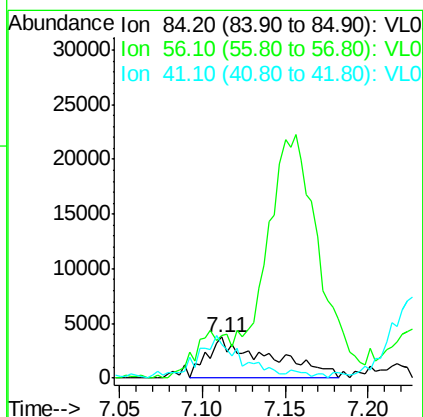
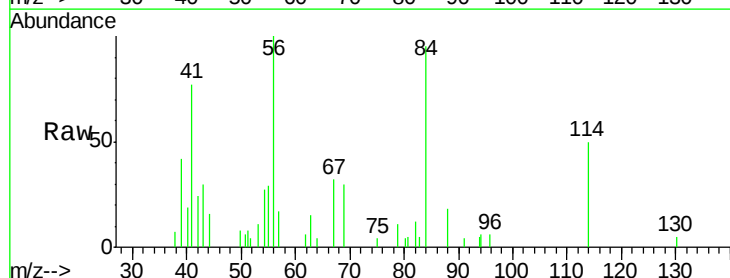
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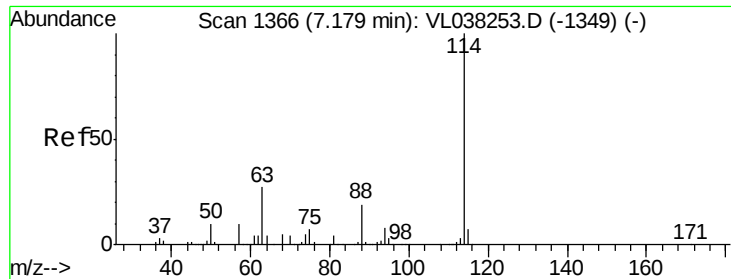
Reviewed By :Semsettin Yesilyurt 01/28/2022
Supervised By :Mahesh Dadoda 01/28/2022



#30
Cyclohexane
Concen: 0.129 ppbv m
RT: 7.11 min Scan# 1345
Delta R.T. -0.02 min
Lab File: VL038306.D
Acq: 27 Jan 2022 21:15

Tgt Ion: 84 Resp: 9742
Ion Ratio Lower Upper
84 100
56 0.0 112.7 169.1#
41 80.0 71.1 106.7



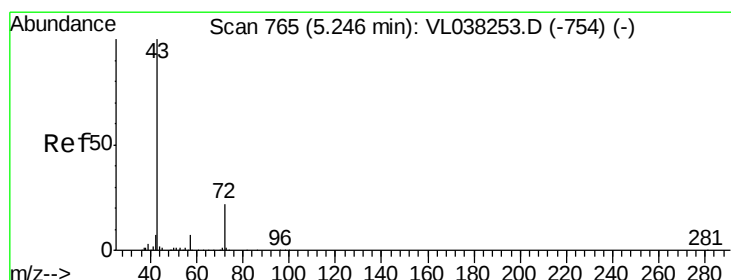
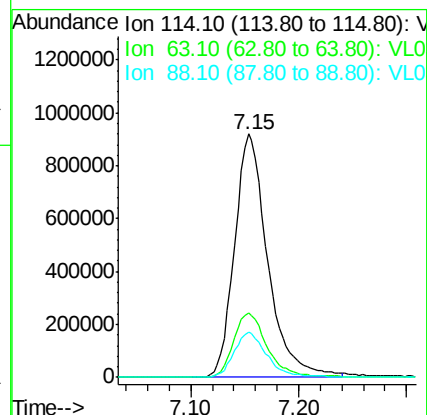
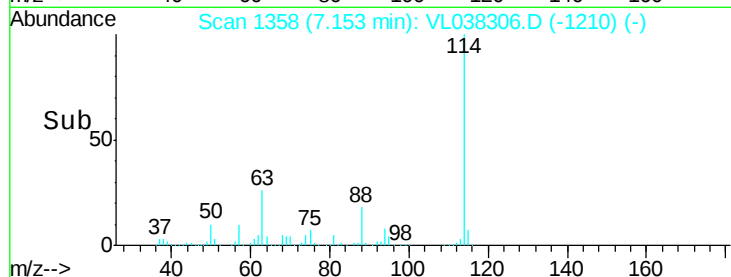
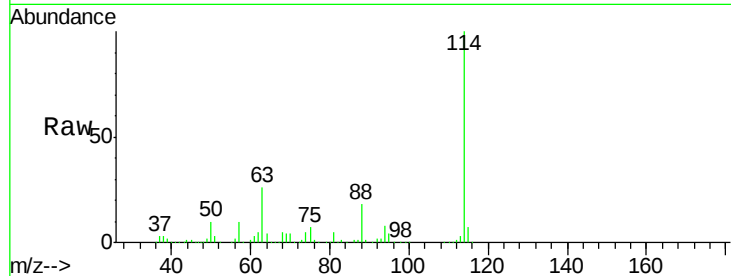


#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.15
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 27 Jan 2022 21:15

Tgt Ion: 114
 Ion Ratio: 100
 63 27.1
 88 18.1

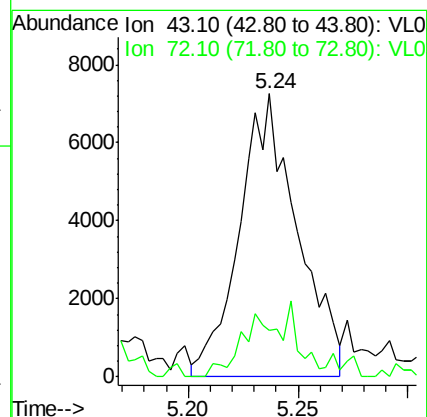
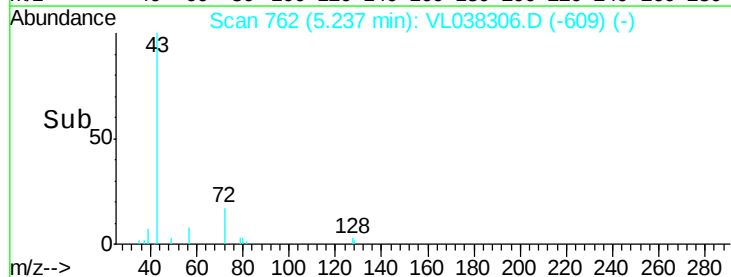
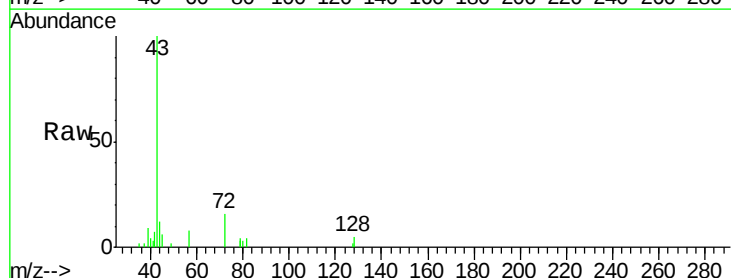
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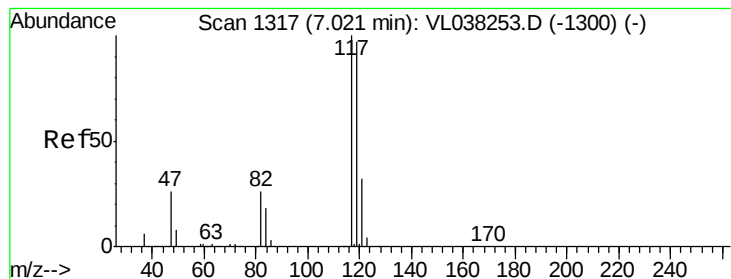
Reviewed By : Semsettin Yesilyurt 01/28/2022
 Supervised By : Mahesh Dadoda 01/28/2022



#34
 2-Butanone
 Concen: 0.206 ppbv m
 RT: 5.24 min Scan# 762
 Delta R.T. -0.01 min
 Lab File: VL038306.D
 Acq: 27 Jan 2022 21:15

Tgt Ion: 43 Resp: 13309
 Ion Ratio Lower Upper
 43 100
 72 0.0 18.1 27.1#





#35

Carbon Tetrachloride

Concen: 0.040 ppbv m

RT: 6.99 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 27 Jan 2022 21:15

Tgt Ion:1

Ion Rati

117 100

119 56.

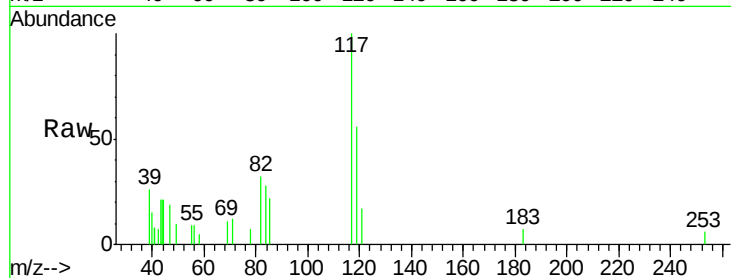
121 17.

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Reviewed By :Semsettin Yesilyurt 01/28/2022

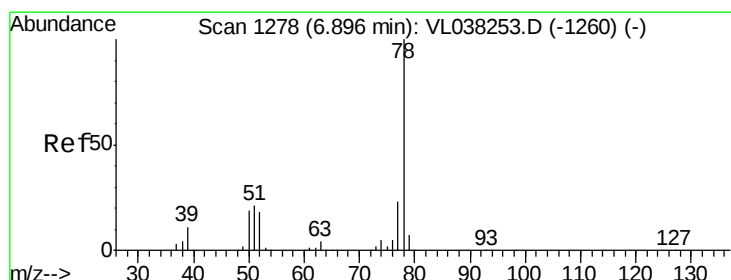
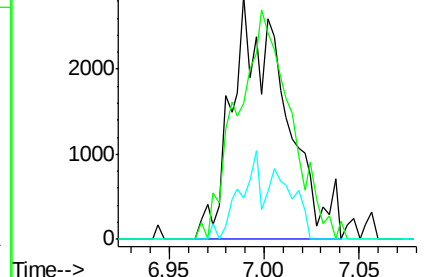
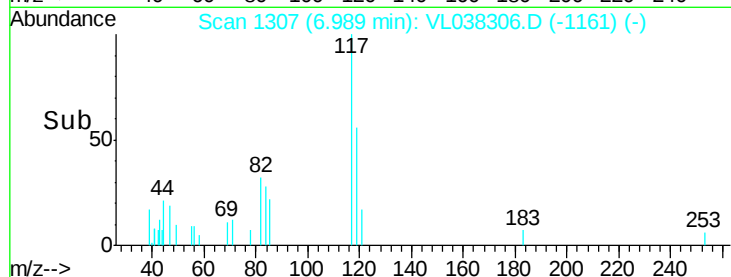
Supervised By :Mahesh Dadoda 01/28/2022



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 0.148 ppbv

RT: 6.87 min Scan# 1271

Delta R.T. -0.02 min

Lab File: VL038306.D

Acq: 27 Jan 2022 21:15

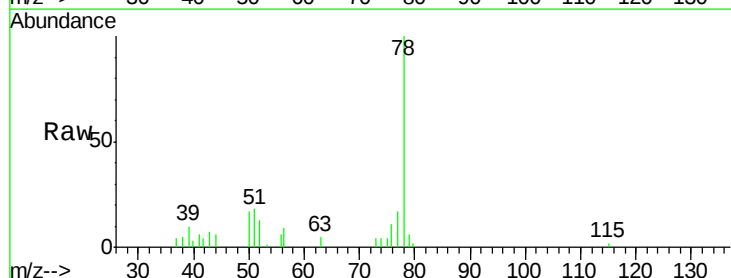
Tgt Ion: 78 Resp: 25903

Ion Ratio Lower Upper

78 100

77 17.7 18.2 27.2#

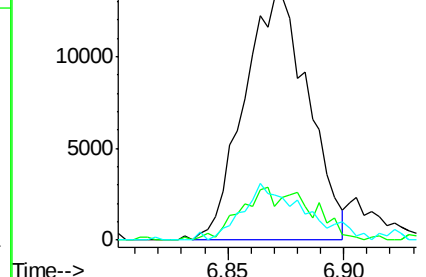
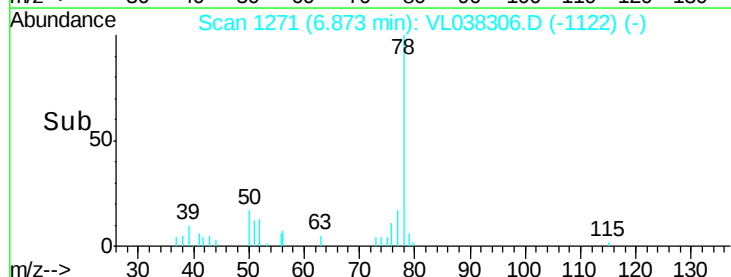
50 15.8 15.1 22.7

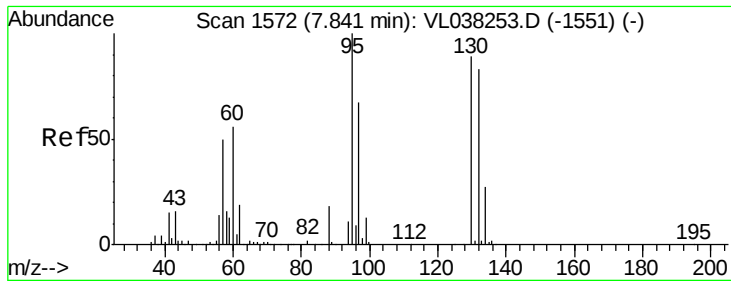


Abundance Ion 78.10 (77.80 to 78.80): VL0

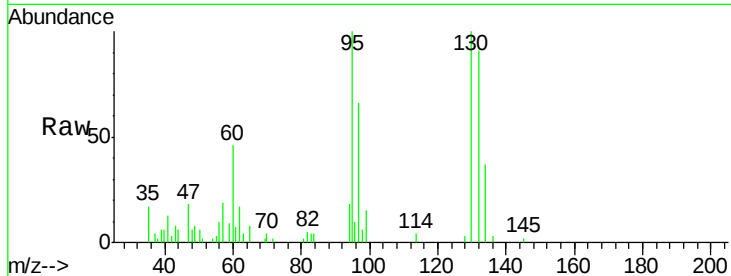
Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





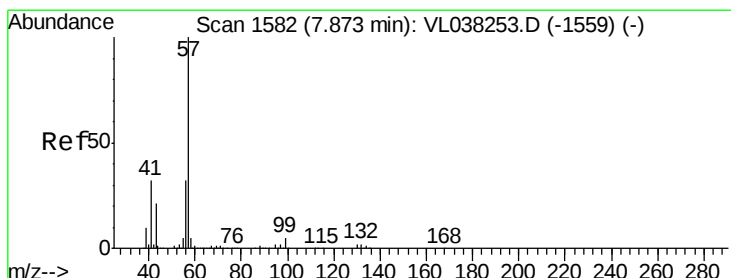
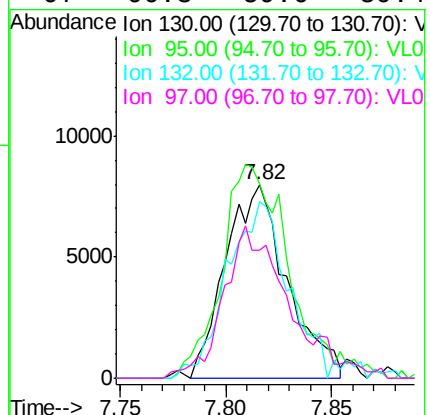
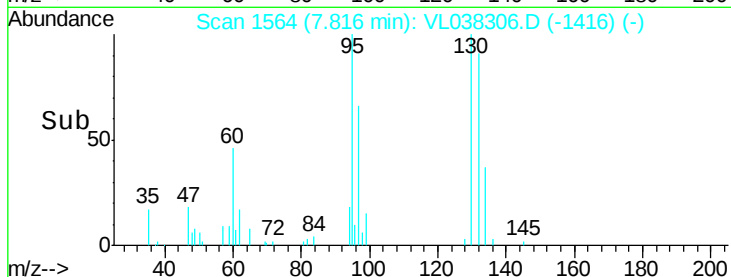
#38
 Trichloroethene
 Concen: 0.249 ppbv m
 RT: 7.82
 Instrument: MSVOA_L
 Delta R.T.
 Lab File: ClientSampleId :
 Acq: 27 Jan 2022 21:15



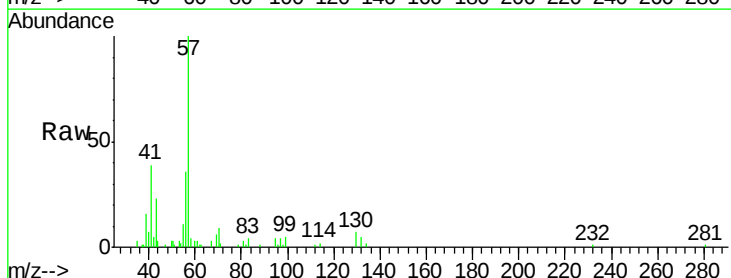
Tgt Ion: 130.00 (129.70 to 130.70): V
 Ion Ratio
 130 100
 95 100.
 132 91.
 97 66.3 59.6 89.4

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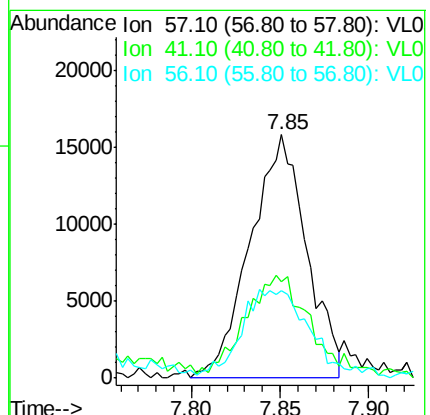
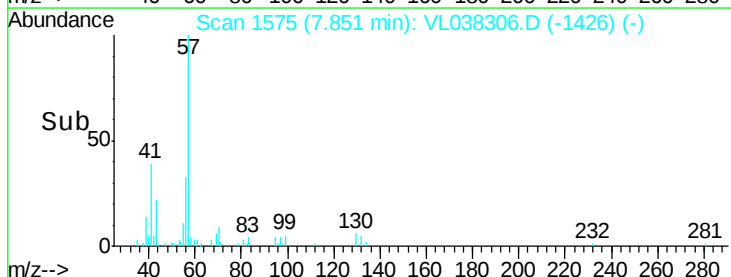
Reviewed By :Semsettin Yesilyurt 01/28/2022
 Supervised By :Mahesh Dadoda 01/28/2022

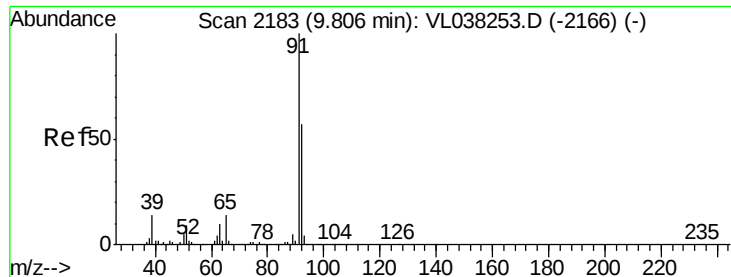


#44
 2,2,4-Trimethylpentane
 Concen: 0.114 ppbv m
 RT: 7.85 min Scan# 1575
 Delta R.T. -0.02 min
 Lab File: VL038306.D
 Acq: 27 Jan 2022 21:15



Tgt Ion: 57 Resp: 35046
 Ion Ratio Lower Upper
 57 100
 41 52.5 26.3 39.5#
 56 44.5 25.2 37.8#





#53

Toluene

Concen: 0.292 ppbv m

RT: 9.78 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 27 Jan 2022 21:15

Tgt Ion:

Ion Ratio

91 100

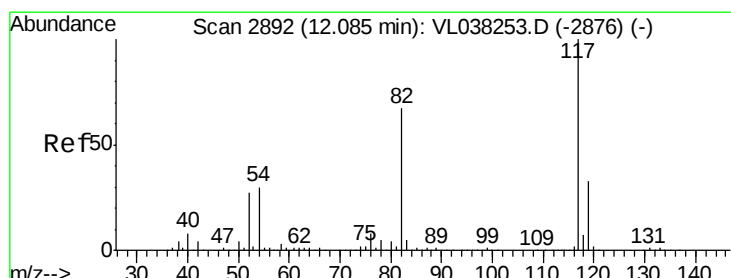
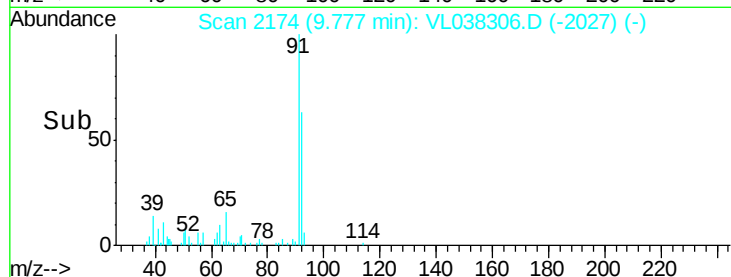
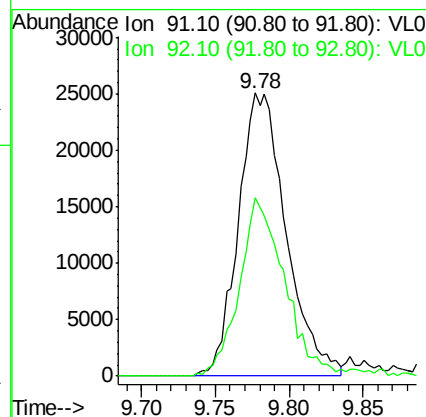
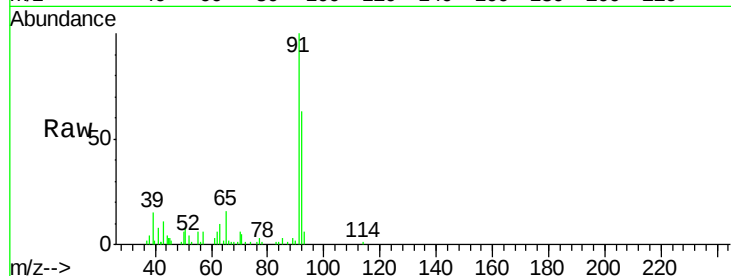
92 61.

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Reviewed By :Semsettin Yesilyurt 01/28/2022

Supervised By :Mahesh Dadoda 01/28/2022



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.06 min Scan# 2883

Delta R.T. -0.03 min

Lab File: VL038306.D

Acq: 27 Jan 2022 21:15

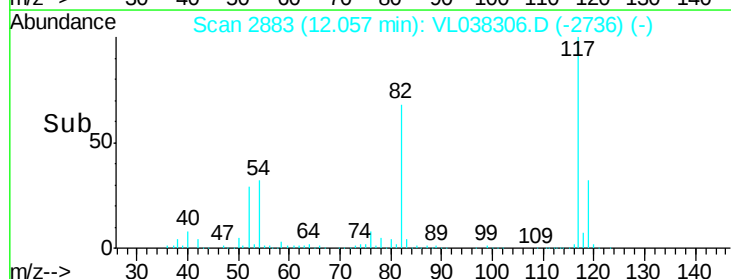
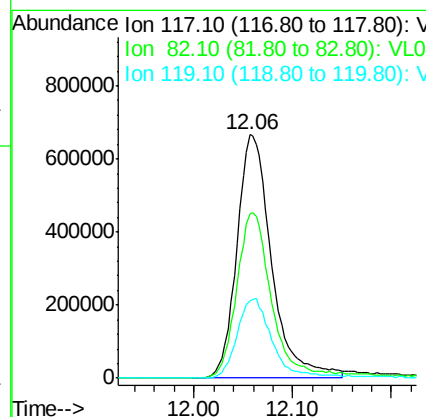
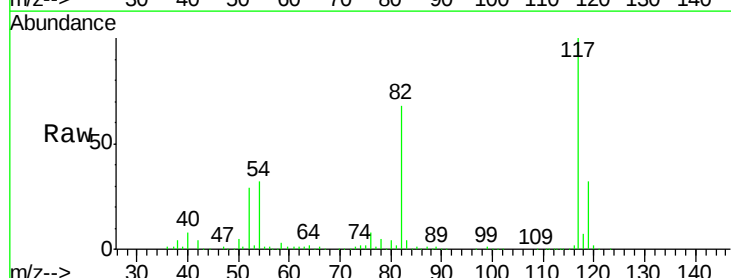
Tgt Ion:117 Resp: 1634779

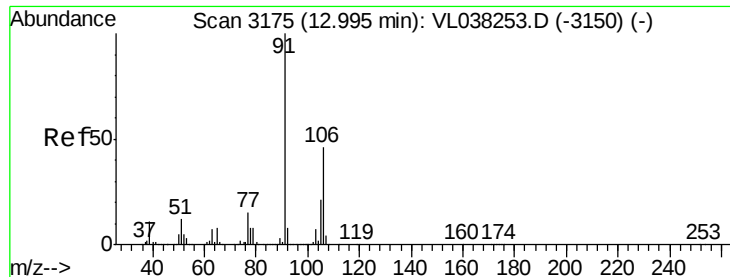
Ion Ratio Lower Upper

117 100

82 71.9 54.4 81.6

119 33.2 45.9 68.9#



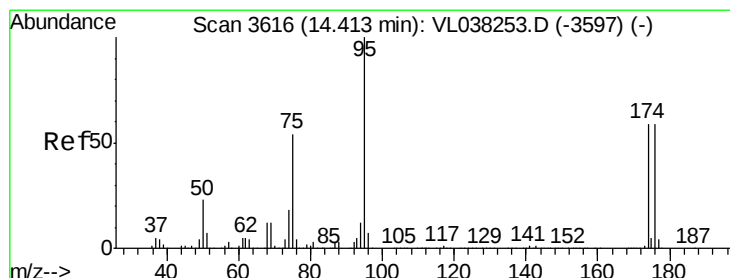
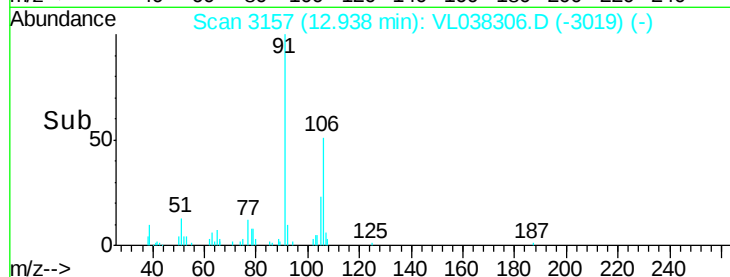
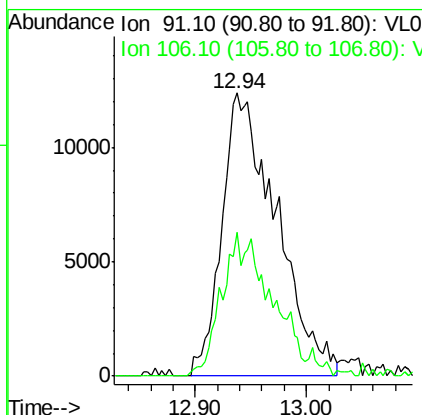
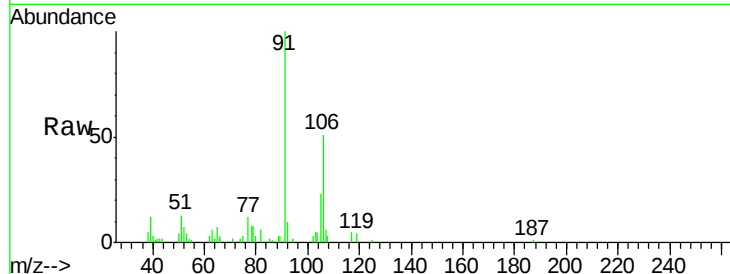


#59
m/p-Xylene
Concen: 0.206 ppbv m
RT: 12.94
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 27 Jan 2022 21:15

Tgt Ion:
Ion Ratio
91 100
106 0.

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Reviewed By :Semsettin Yesilyurt 01/28/2022
Supervised By :Mahesh Dadoda 01/28/2022



#68
1-Bromo-4-Fluorobenzene
Concen: 9.652 ppbv
RT: 14.39 min Scan# 3608
Delta R.T. -0.03 min
Lab File: VL038306.D
Acq: 27 Jan 2022 21:15

Tgt Ion: 95 Resp: 1197672
Ion Ratio Lower Upper
95 100
174 61.7 48.3 72.5
175 4.6 3.5 5.3

