

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL101221\
 Data File : VL037834.D
 Acq On : 12 Oct 2021 17:56
 Operator : SY/AP
 Sample : M4079-05
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 C0P04

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 10/14/2021
 Supervised By : Mahesh Dadoda 10/15/2021

Quant Time: Oct 14 01:52:06 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL100421A
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
 QLast Update : Mon Oct 04 17:43:54 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1287774	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3674797	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	3049145	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	2127812	9.98	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.80%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	47234m	0.230	ppbv	
3) Chlorodifluoromethane	2.99	51	56616m	0.229	ppbv	
4) Chloromethane	3.14	50	41225m	0.455	ppbv	
9) Propene	3.02	41	40533	0.445	ppbv #	83
11) Trichlorofluoromethane	3.95	101	33784	0.184	ppbv	96
13) Ethanol	3.60	45	82817	11.123	ppbv	87
15) Acetone	3.85	43	488941	4.229	ppbv	97
19) Isopropyl Alcohol	3.97	45	90667	1.261	ppbv #	1
20) Methylene Chloride	4.34	84	100449	1.720	ppbv	95
26) Hexane	5.68	57	73928	0.463	ppbv #	69
34) 2-Butanone	5.25	43	87238	0.588	ppbv	97
35) Carbon Tetrachloride	7.01	117	12668m	0.061	ppbv	
38) Trichloroethene	7.84	130	4147m	0.033	ppbv	
52) Tetrachloroethene	11.21	164	228837	1.874	ppbv	98
53) Toluene	9.80	91	459523m	1.321	ppbv	
59) m/p-Xylene	12.96	91	49480m	0.141	ppbv	

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

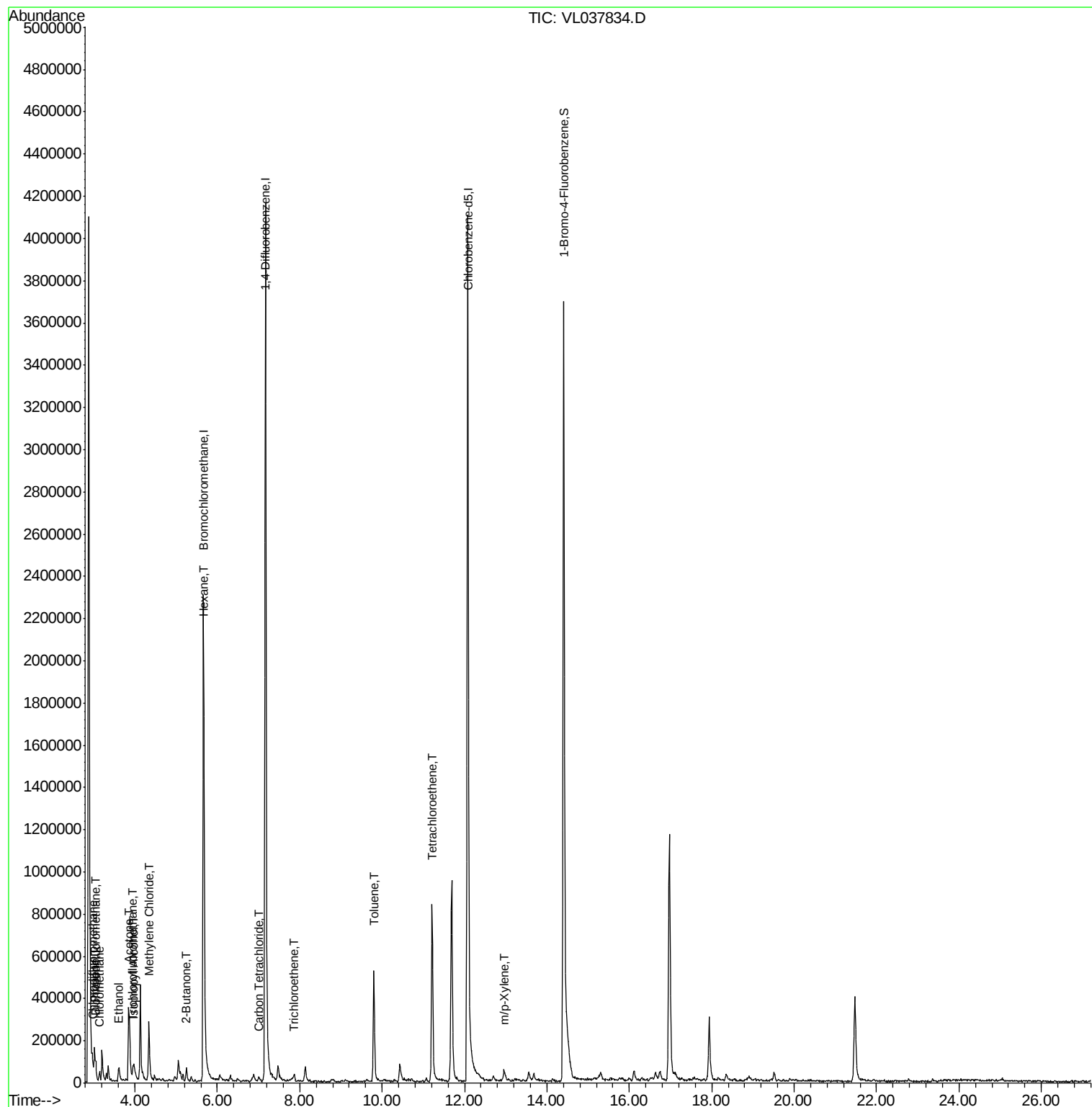
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL101221\
Data File : VL037834.D
Acq On : 12 Oct 2021 17:56
Operator : SY/AP
Sample : M4079-05
Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

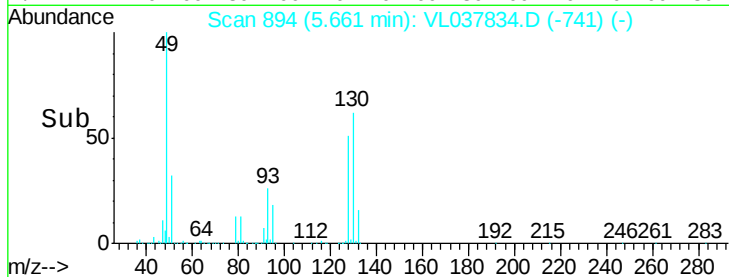
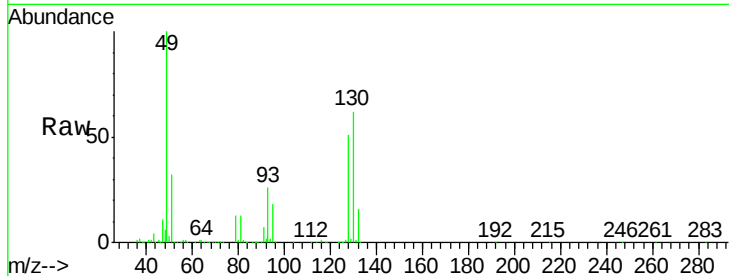
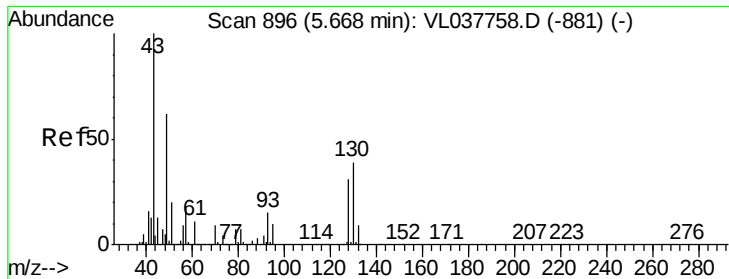
Instrument :
MSVOA_L
ClientSampleId :
C0P04

Manual Integrations
APPROVED

Quant Time: Oct 14 01:52:06 2021
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL100421
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
QLast Update : Mon Oct 04 17:43:54 2021
Response via : Initial Calibration

Reviewed By :Semsettin Yesilyurt 10/14/2021
Supervised By :Mahesh Dadoda 10/15/2021





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: COP04

Acq: 12 Oct 2021 17:56

Tot Ion:

Ion Ratio

49 100

128 51.

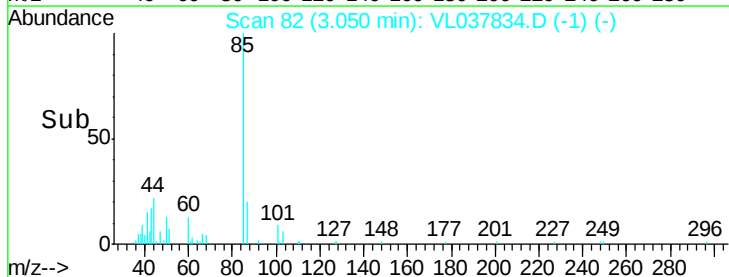
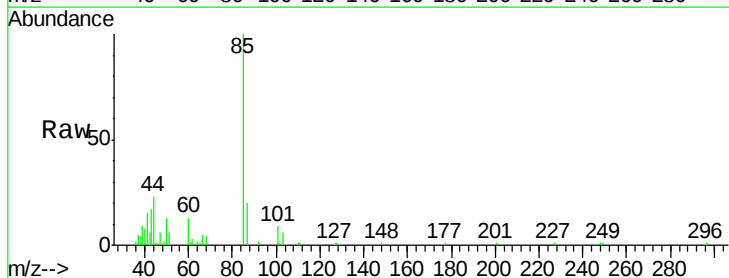
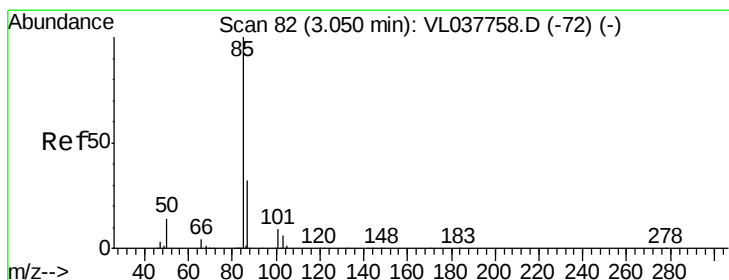
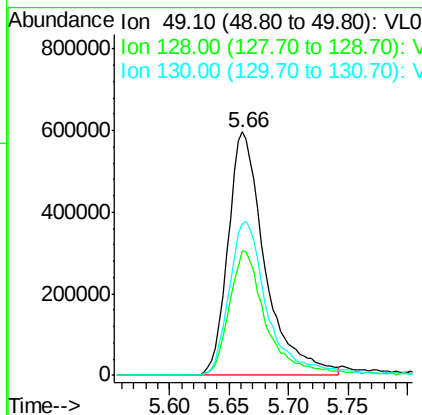
130 65.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 10/14/2021

Supervised By :Mahesh Dadoda 10/15/2021



#2

Dichlorodifluoromethane

Concen: 0.230 ppbv m

RT: 3.05 min Scan# 82

Delta R.T. -0.00 min

Lab File: VL037834.D

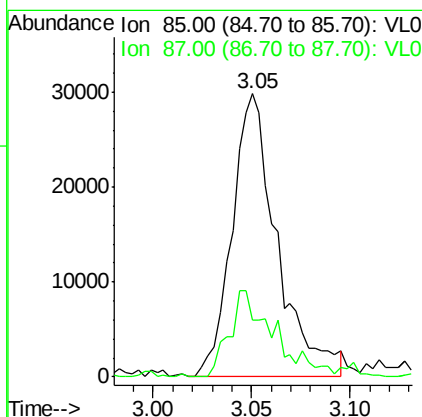
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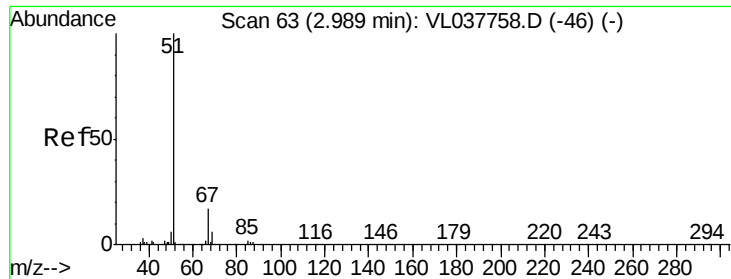
Tgt Ion: 85 Resp: 47234

Ion Ratio Lower Upper

85 100

87 20.1 25.7 38.5#





#3

Chlorodifluoromethane

Concen: 0.229 ppbv m

RT: 2.99 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 12 Oct 2021 17:56

Tot Ion:

Ion Ratio

51 100

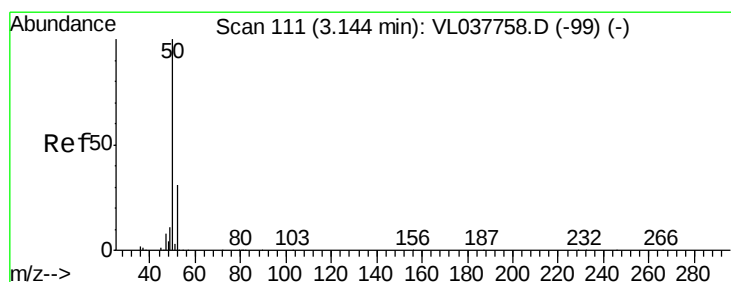
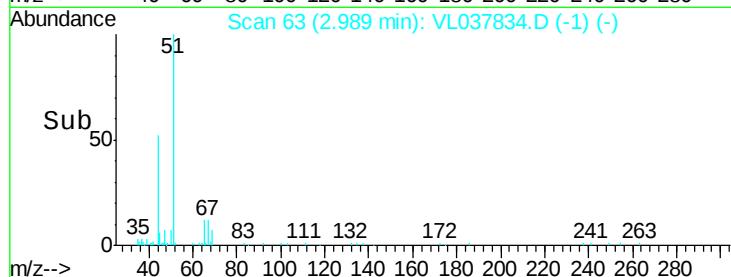
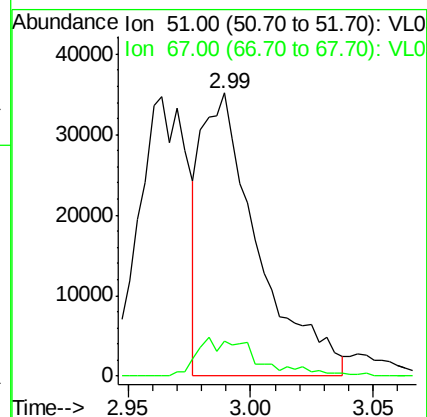
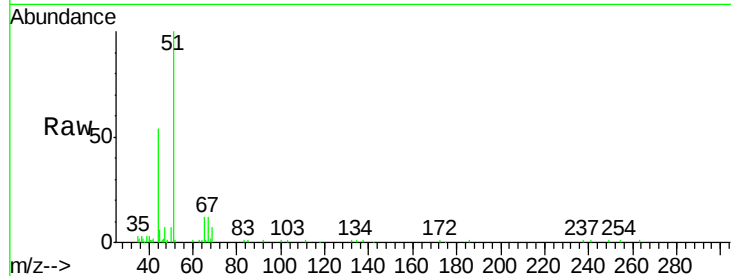
67 14.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 10/14/2021

Supervised By :Mahesh Dadoda 10/15/2021



#4

Chloromethane

Concen: 0.455 ppbv m

RT: 3.14 min Scan# 111

Delta R.T. -0.00 min

Lab File: VL037834.D

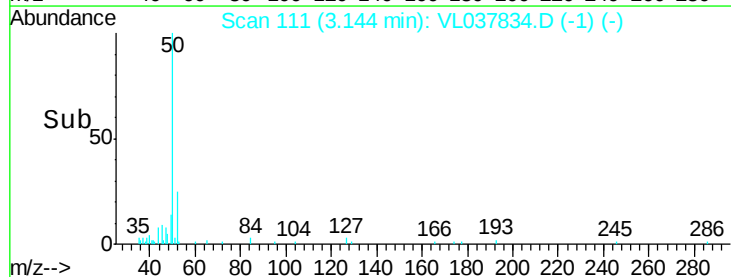
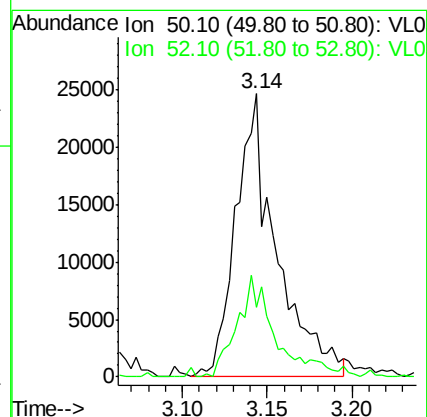
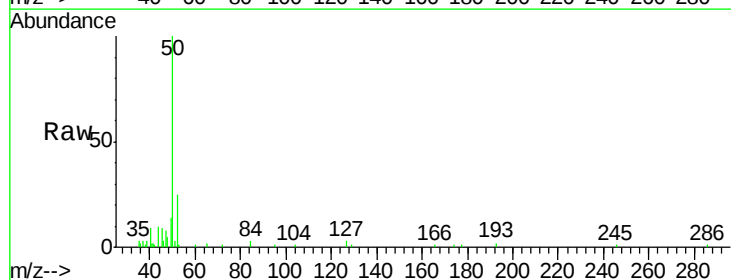
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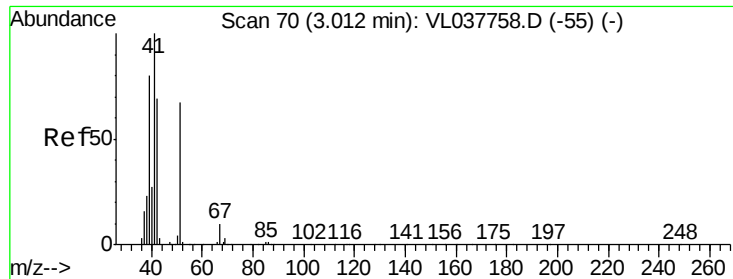
Tgt Ion: 50 Resp: 41225

Ion Ratio Lower Upper

50 100

52 24.7 24.4 36.6



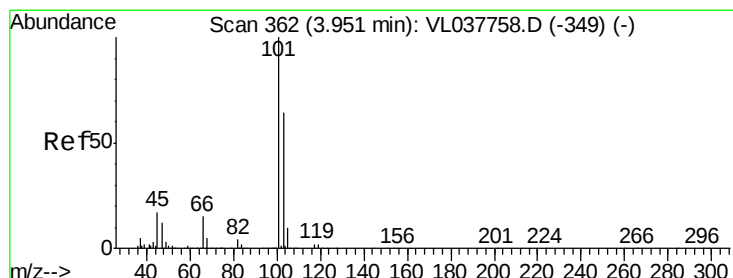
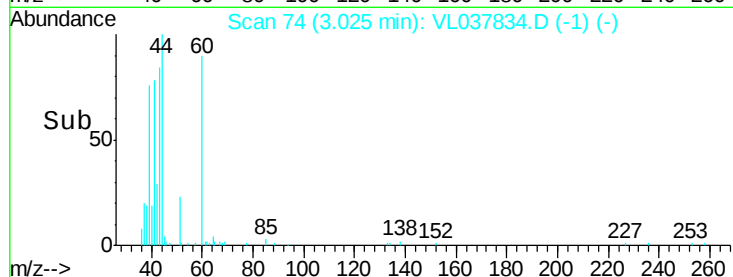
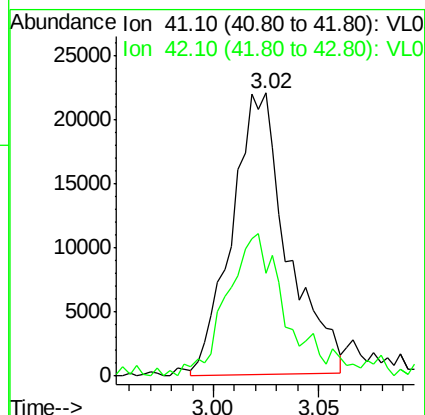
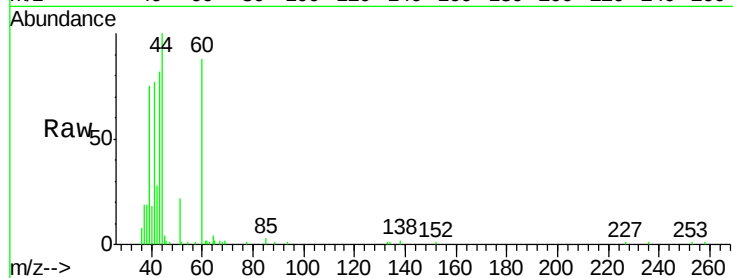


#9
 Propene
 Concen: 0.445 ppbv
 RT: 3.02
 Delta R.T.: MSVOA_L
 Lab File: ClientSampleId :
 Acq: 12 Oct 2021 17:58

Tot Ion:
 Ion Ratio
 41 100
 42 53.

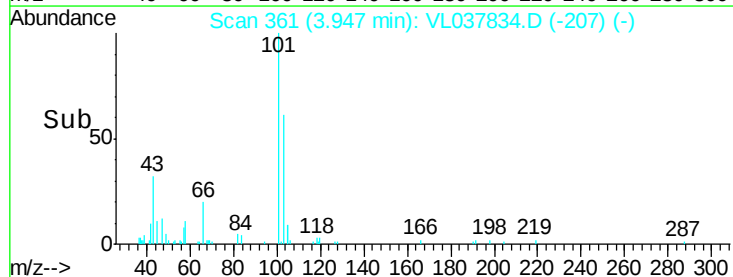
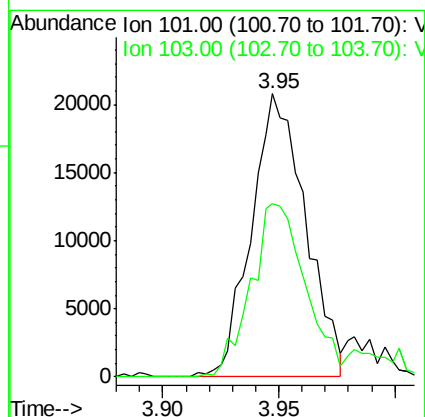
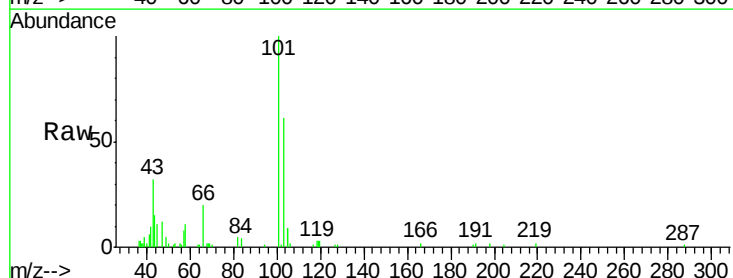
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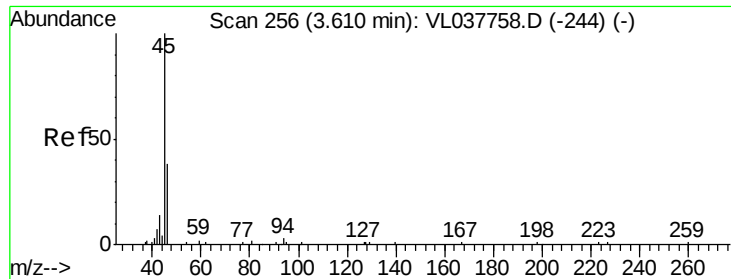
Reviewed By :Semsettin Yesilyurt 10/14/2021
 Supervised By :Mahesh Dadoda 10/15/2021



#11
 Trichlorofluoromethane
 Concen: 0.184 ppbv
 RT: 3.95 min Scan# 361
 Delta R.T.: -0.00 min
 Lab File: VL037834.D
 Acq: 12 Oct 2021 17:56

Tgt Ion:101 Resp: 33784
 Ion Ratio Lower Upper
 101 100
 103 61.1 51.5 77.3



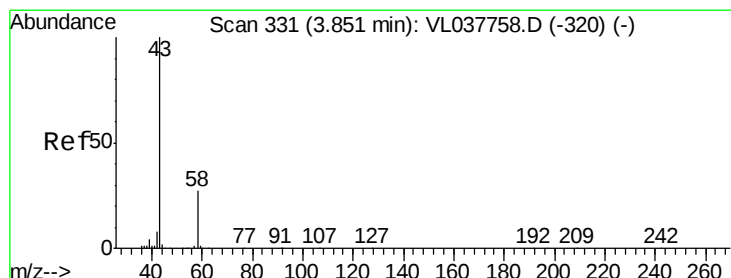
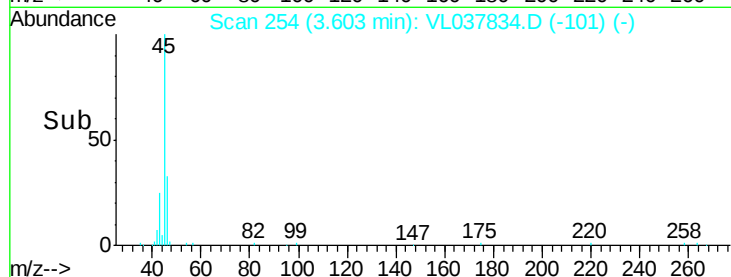
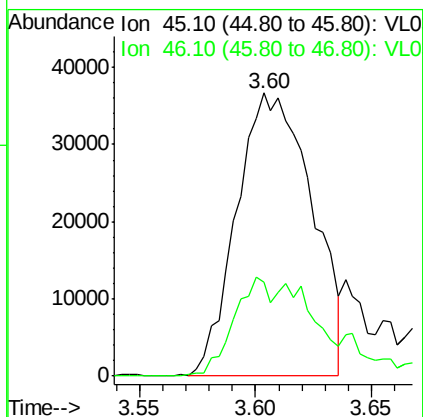
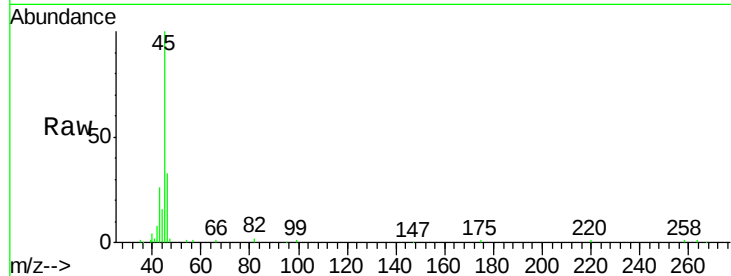


#13
Ethanol
Concen: 11.123 ppbv
RT: 3.60
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 12 Oct 2021 17:56

Tot Ion:
Ion Ratio
45 100
46 41.

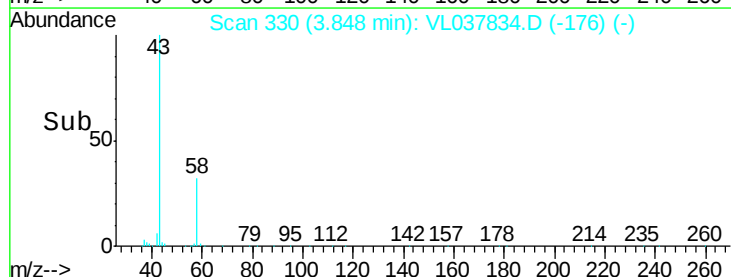
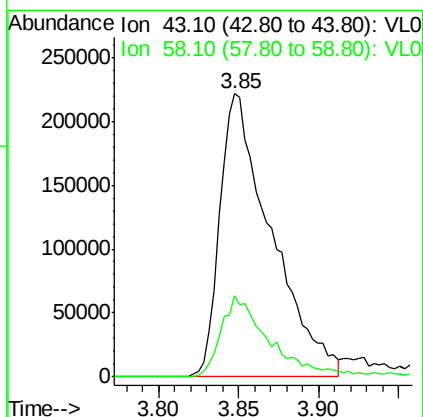
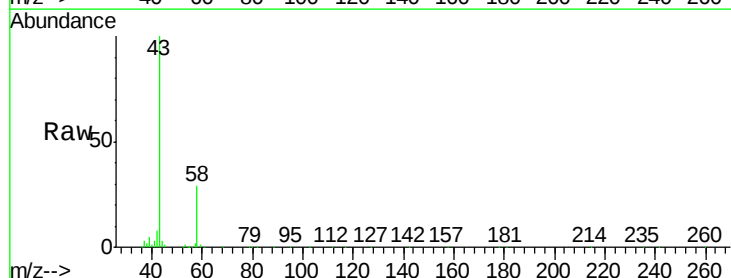
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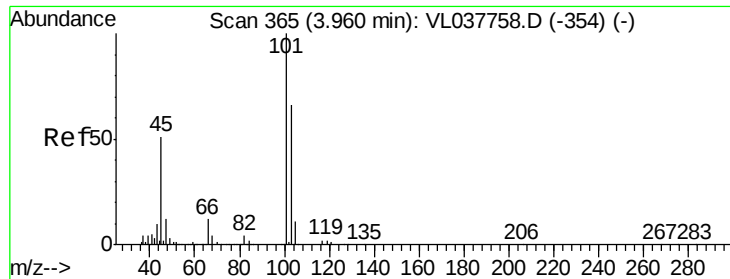
Reviewed By :Semsettin Yesilyurt 10/14/2021
Supervised By :Mahesh Dadoda 10/15/2021



#15
Acetone
Concen: 4.229 ppbv
RT: 3.85 min Scan# 330
Delta R.T. -0.00 min
Lab File: VL037834.D
Acq: 12 Oct 2021 17:56

Tgt Ion: 43 Resp: 488941
Ion Ratio Lower Upper
43 100
58 27.4 23.0 34.6





#19

Isopropyl Alcohol

Concen: 1.261 ppbv

RT: 3.97

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 12 Oct 2021 17:56

Tot Ion:

Ion Ratio

45 100

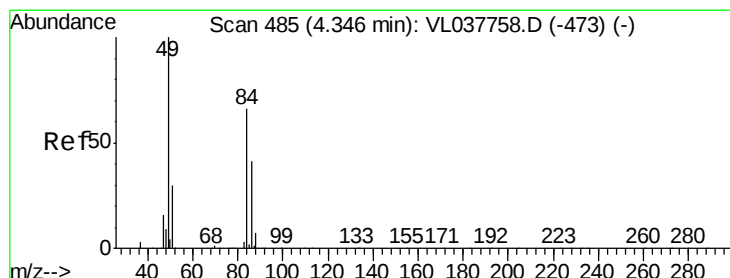
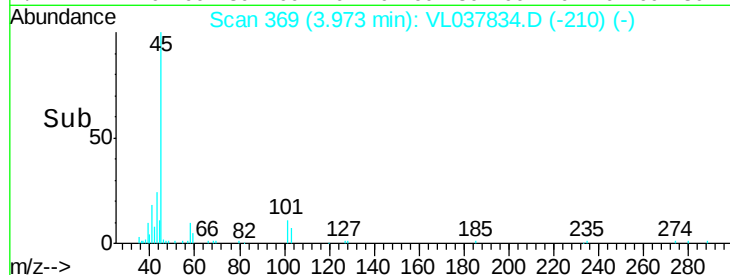
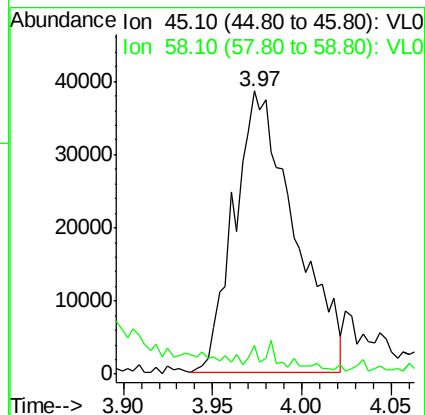
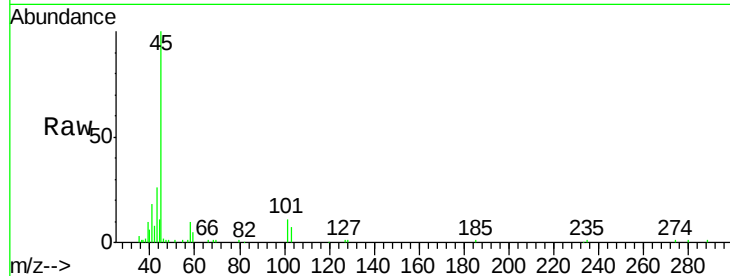
58 152.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 10/14/2021

Supervised By :Mahesh Dadoda 10/15/2021



#20

Methylene Chloride

Concen: 1.720 ppbv

RT: 4.34 min Scan# 483

Delta R.T. -0.01 min

Lab File: VL037834.D

Acq: 12 Oct 2021 17:56

Tgt Ion: 84 Resp: 100449

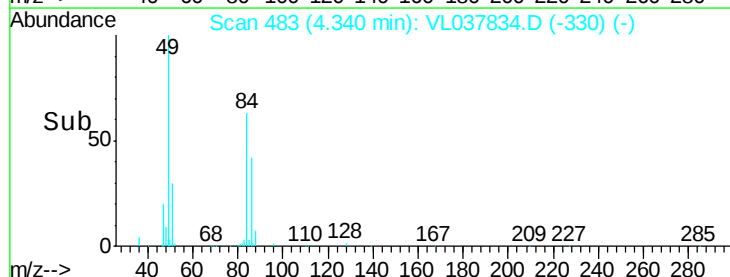
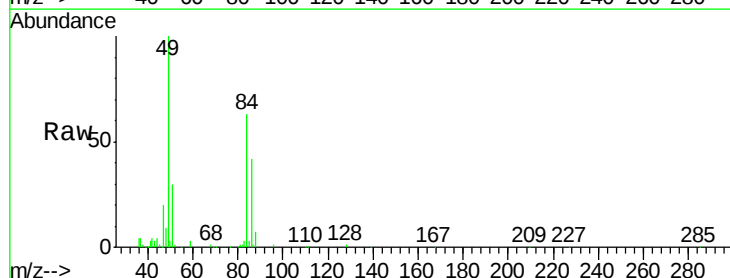
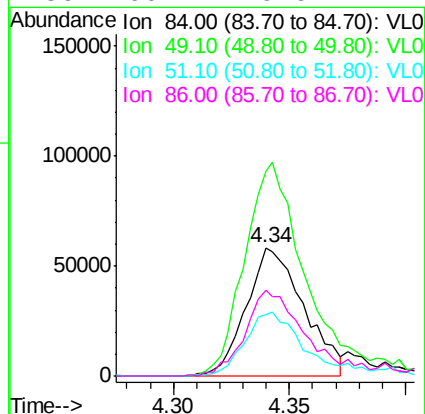
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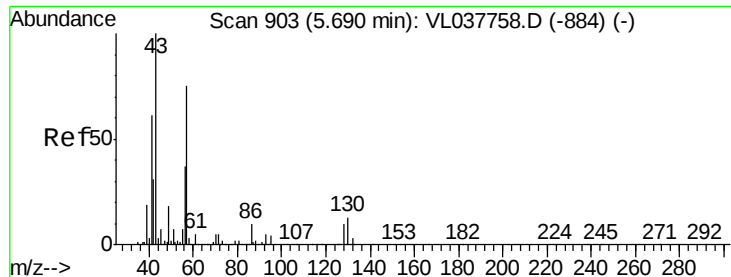
84 100

49 158.1 120.7 181.1

51 48.0 36.2 54.4

86 66.4 49.6 74.4



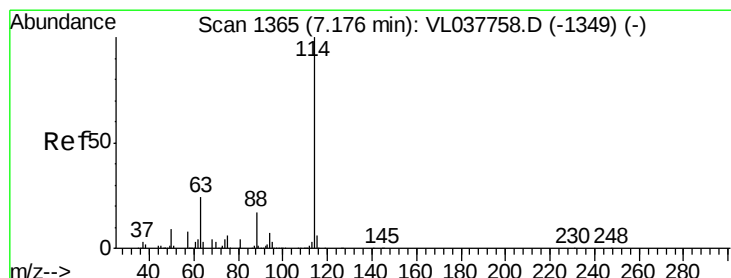
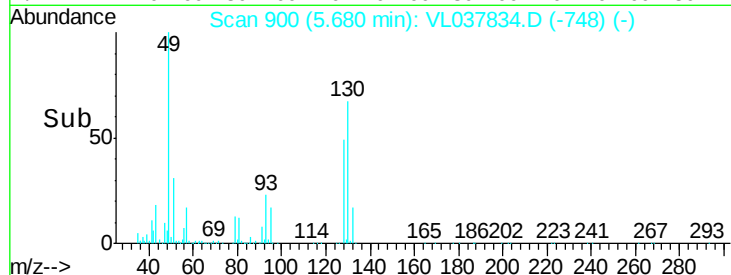
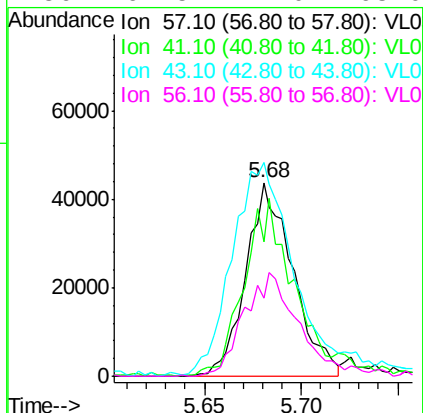
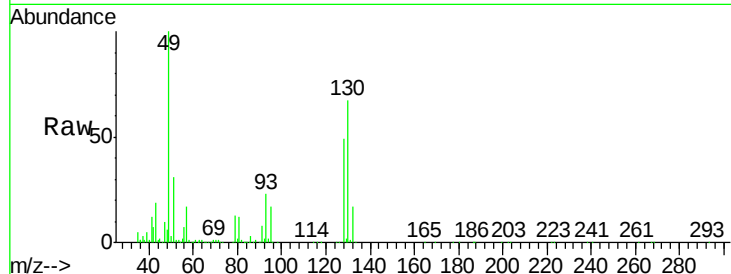


#26
Hexane
Concen: 0.463 ppbv
RT: 5.68
Delta R.T.: MSVOA_L
Lab File: ClientSampleId :
Acq: 12 Oct 2021 17:56
COP04

Tot Ion: 57.10 (56.80 to 57.80): VL0
Ion Ratio: 57 100
41 105.
43 150.
56 62.5 42.0 63.0

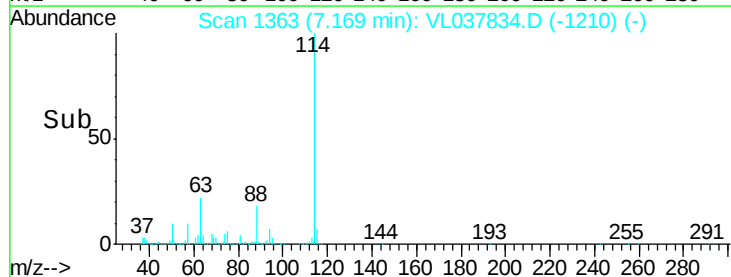
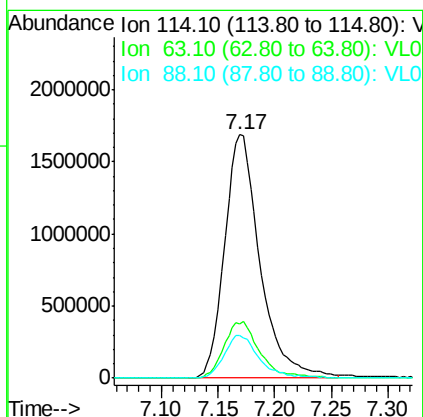
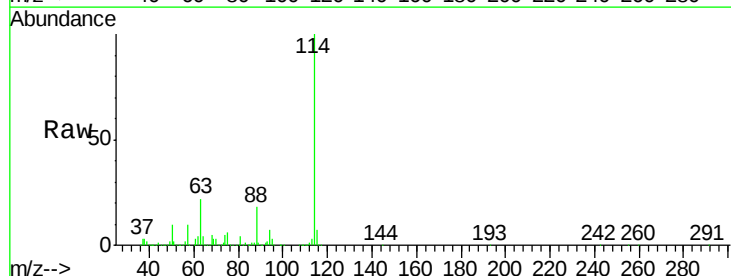
Manual Integrations
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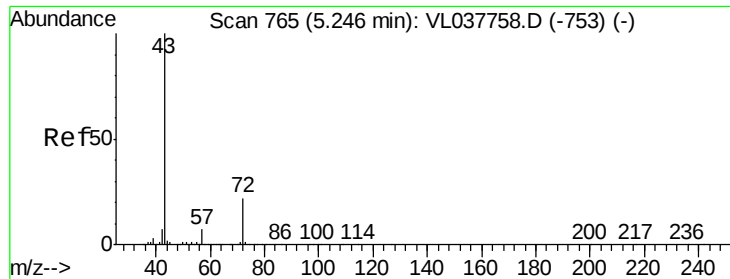
Reviewed By :Semsettin Yesilyurt 10/14/2021
Supervised By :Mahesh Dadoda 10/15/2021



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.17 min Scan# 1363
Delta R.T. -0.01 min
Lab File: VL037834.D
Acq: 12 Oct 2021 17:56

Tgt Ion:114 Resp: 3674797
Ion Ratio Lower Upper
114 100
63 23.9 19.4 29.2
88 17.8 14.4 21.6



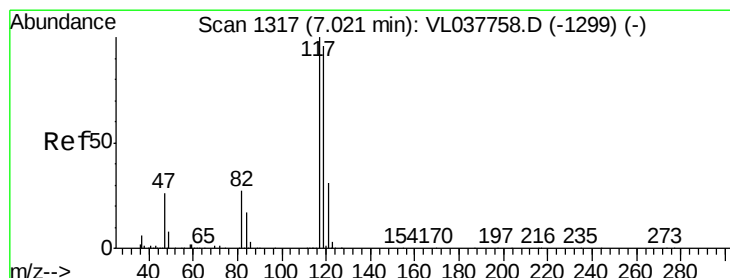
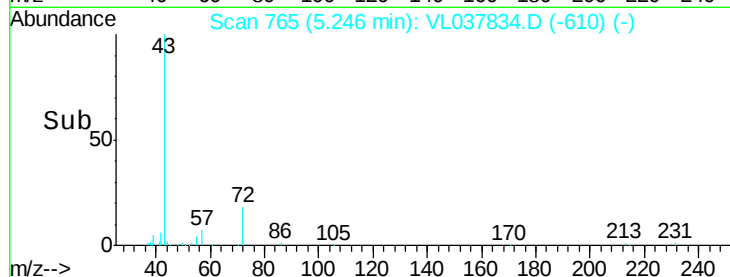
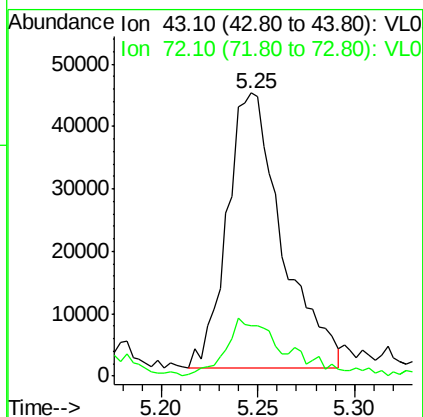
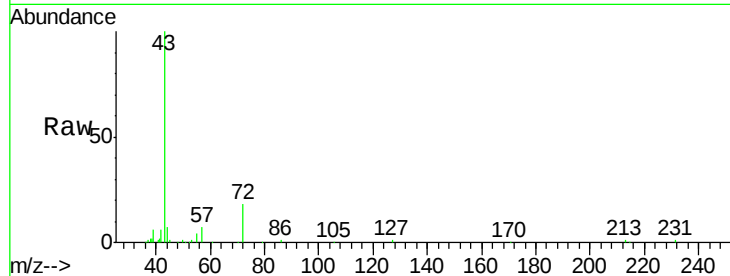


#34
2-Butanone
Concen: 0.588 ppbv
RT: 5.25
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
COP04
Acq: 12 Oct 2021 17:56

Tot Ion:
Ion Ratio
43 100
72 24.

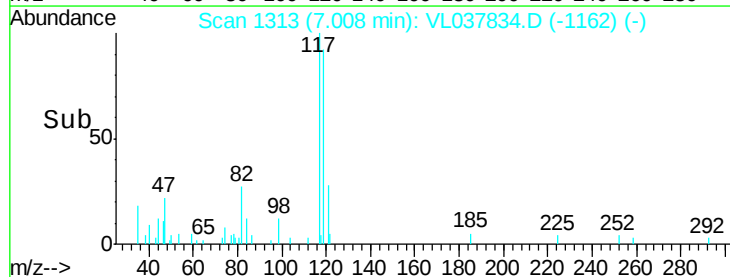
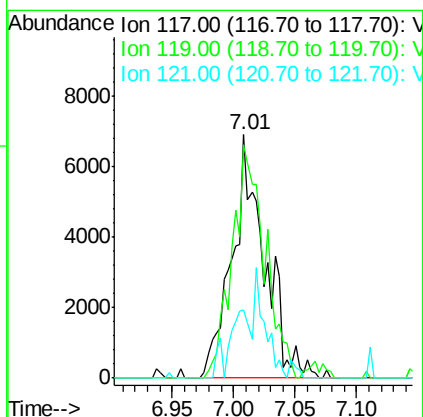
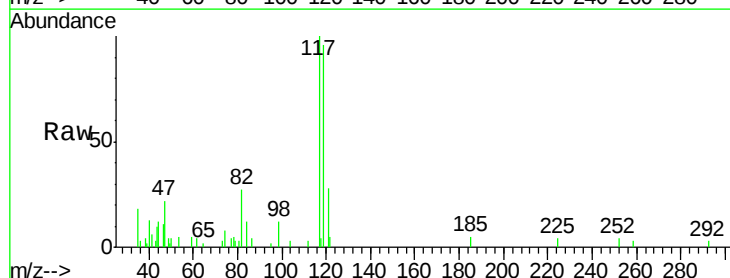
Manual Integrations
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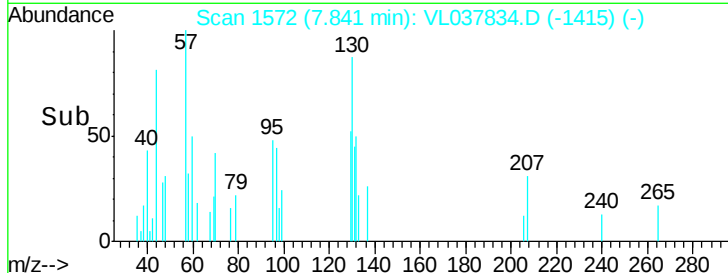
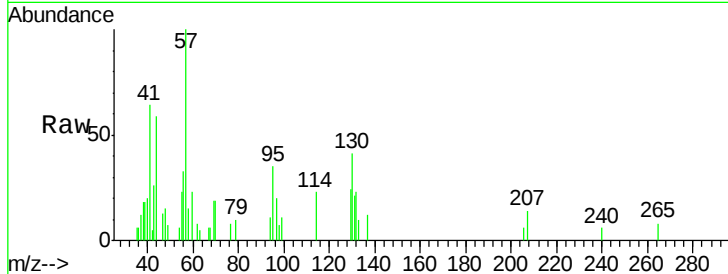
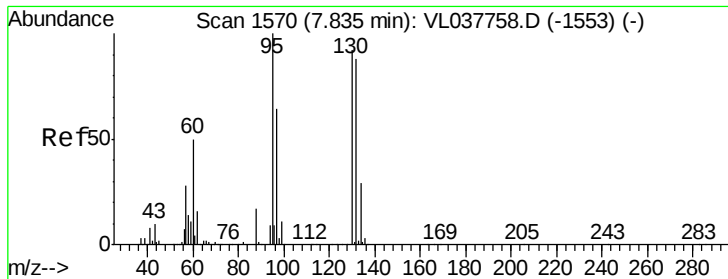
Reviewed By :Semsettin Yesilyurt 10/14/2021
Supervised By :Mahesh Dadoda 10/15/2021



#35
Carbon Tetrachloride
Concen: 0.061 ppbv m
RT: 7.01 min Scan# 1313
Delta R.T. -0.01 min
Lab File: VL037834.D
Acq: 12 Oct 2021 17:56

Tgt Ion:117 Resp: 12668
Ion Ratio Lower Upper
117 100
119 95.8 76.5 114.7
121 28.1 24.9 37.3





#38

Trichloroethene

Concen: 0.033 ppbv m

RT: 7.84 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 12 Oct 2021 17:56 COP04

Tot Ion:1

Ion Ratio

130 100

95 84.

132 57.

97 49.8

55.8

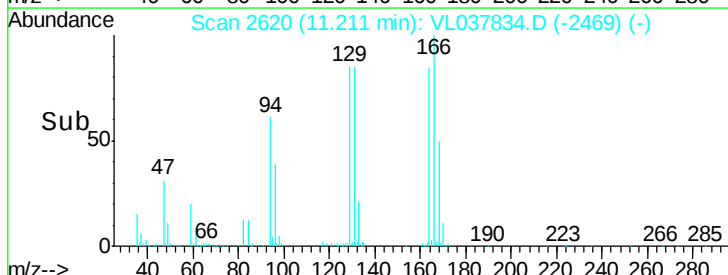
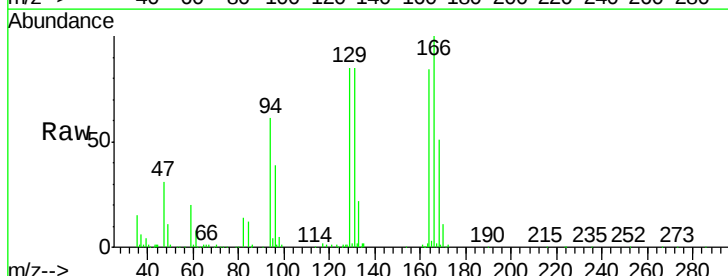
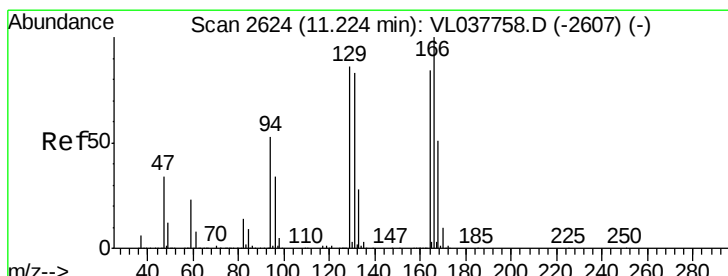
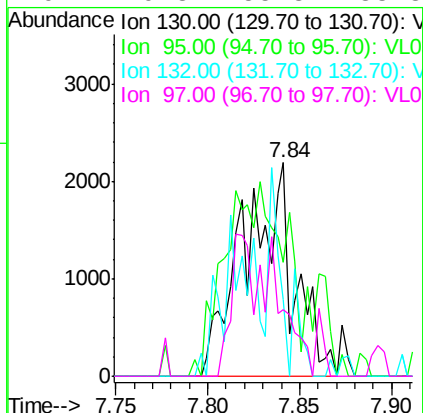
83.8#

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/14/2021

Supervised By :Mahesh Dadoda 10/15/2021



#52

Tetrachloroethene

Concen: 1.874 ppbv

RT: 11.21 min Scan# 2620

Delta R.T. -0.01 min

Lab File: VL037834.D

Acq: 12 Oct 2021 17:56

Tgt Ion:164 Resp: 228837

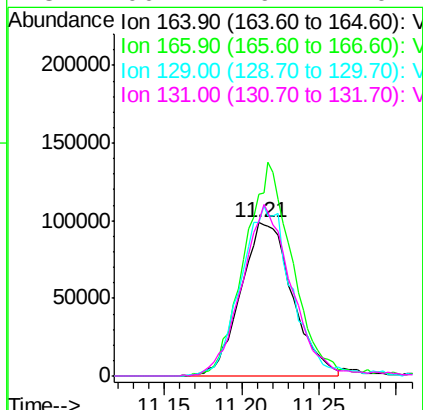
Ion Ratio Lower Upper

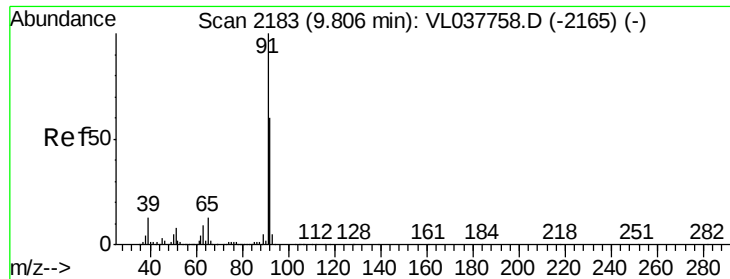
164 100

166 118.7 95.4 143.2

129 99.6 82.2 123.4

131 100.7 79.4 119.2





#53

Toluene

Concen: 1.321 ppbv m

RT: 9.80

Delta R.T. MSVOA_L

Lab File: ClientSampled :

Acq: 12 Oct 2021 17:56

Tot Ion:

Ion Ratio

91 100

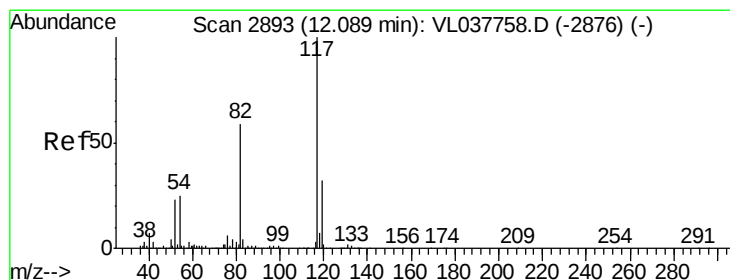
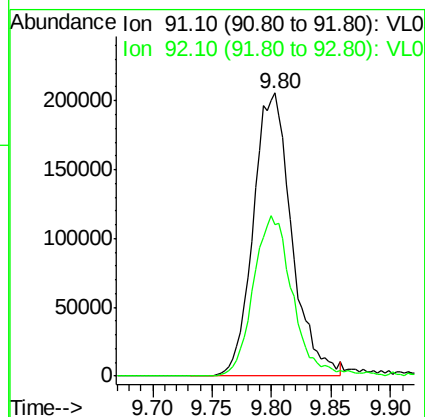
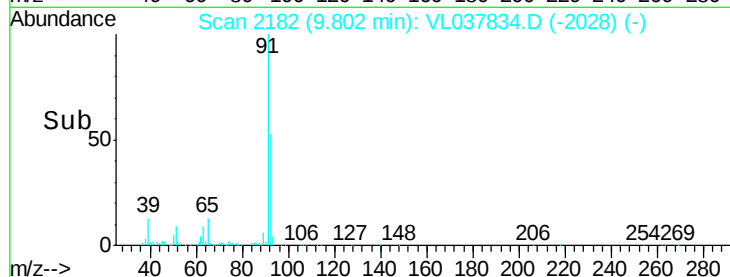
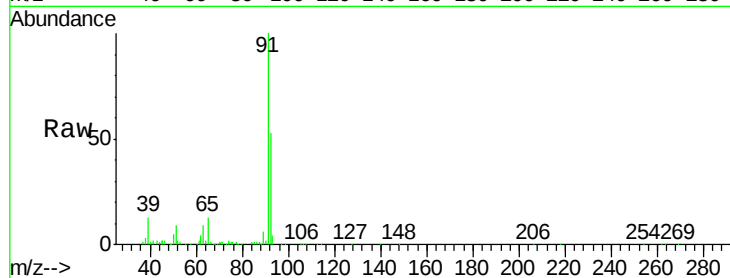
92 58.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/14/2021

Supervised By :Mahesh Dadoda 10/15/2021



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.08 min Scan# 2890

Delta R.T. -0.01 min

Lab File: VL037834.D

Acq: 12 Oct 2021 17:56

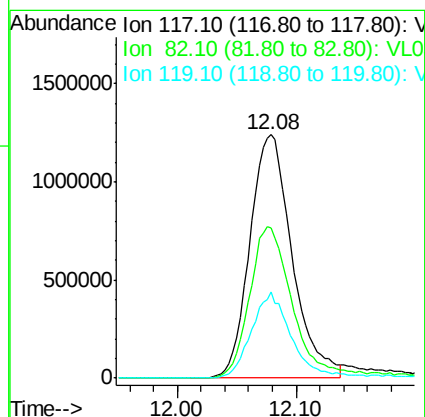
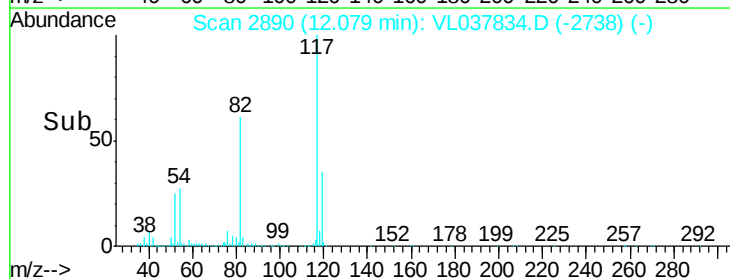
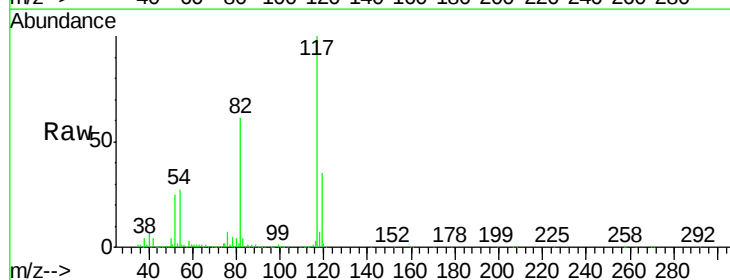
Tgt Ion:117 Resp: 3049145

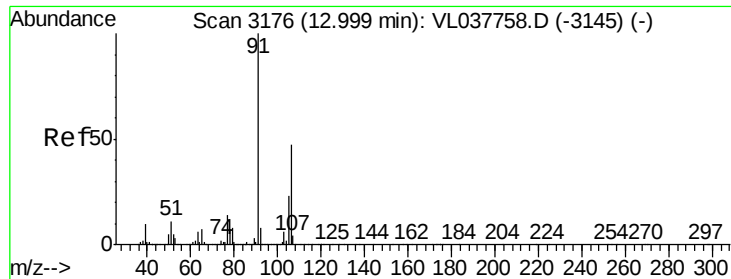
Ion Ratio Lower Upper

117 100

82 66.3 52.2 78.2

119 35.4 26.0 39.0



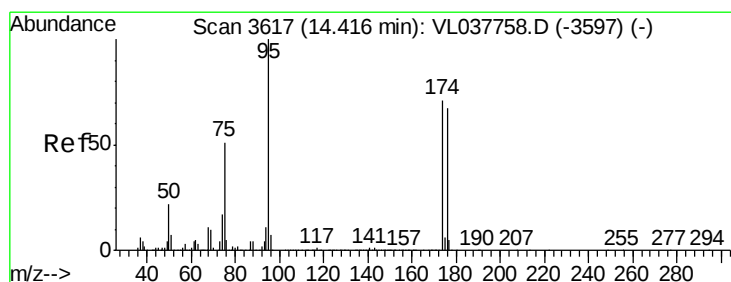
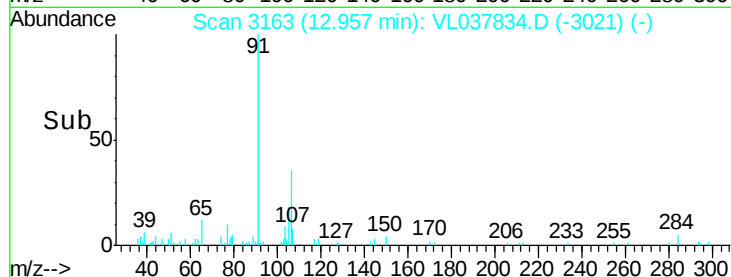
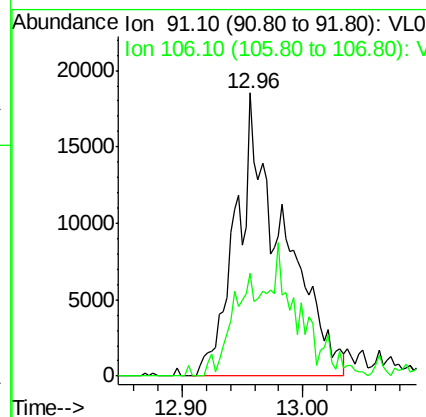
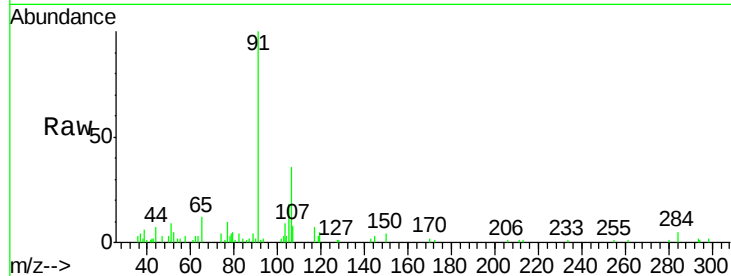


#59
m/p-Xylene
Concen: 0.141 ppbv m
RT: 12.96
Delta R.T.: MSVOA_L
Lab File: ClientSampled :
Acq: 12 Oct 2021 17:56

Tot Ion:
Ion Ratio
91 100
106 51.

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/14/2021
Supervised By :Mahesh Dadoda 10/15/2021



#68
1-Bromo-4-Fluorobenzene
Concen: 9.979 ppbv
RT: 14.40 min Scan# 3613
Delta R.T. -0.01 min
Lab File: VL037834.D
Acq: 12 Oct 2021 17:56

Tgt Ion: 95 Resp: 2127812
Ion Ratio Lower Upper
95 100
174 76.2 57.8 86.6
175 5.5 4.7 7.1

