

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL092821\
 Data File : VL037723.D
 Acq On : 29 Sep 2021 8:27
 Operator : SY/AP
 Sample : M3949-02
 Misc : 400mL/MSVOA_L
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-18B

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 10/01/2021
 Supervised By : Mahesh Dadoda 10/01/2021

Quant Time: Sep 30 21:07:25 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL091621A
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument:
 QLast Update : Thu Sep 16 13:42:46 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1296272	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3891117	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	3424377	10.00	ppbv	0.00

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1-Bromo-4-Fluorobenzene	14.40	95	2312329	9.34	ppbv	0.00	
Spiked Amount	10.000	Range	65 - 135	Recovery	=	93.40%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.05	85	40791	0.174	ppbv	95
4) Chloromethane	3.14	50	50589	0.560	ppbv	97
9) Propene	3.02	41	76805m	0.891	ppbv	
11) Trichlorofluoromethane	3.96	101	39612m	0.210	ppbv	
13) Ethanol	3.60	45	3002525	355.908	ppbv	92
15) Acetone	3.85	43	1091666m	8.106	ppbv	
19) Isopropyl Alcohol	3.97	45	519451	7.089	ppbv	100
20) Methylene Chloride	4.34	84	2435536	37.879	ppbv	96
26) Hexane	5.68	57	2920810	18.850	ppbv #	47
29) Chloroform	5.75	83	79309m	0.351	ppbv	
32) 1,1,1-Trichloroethane	6.51	97	43970m	0.209	ppbv	
34) 2-Butanone	5.24	43	104621m	0.662	ppbv	
35) Carbon Tetrachloride	7.01	117	11605m	0.053	ppbv	
36) Benzene	6.89	78	33694m	0.104	ppbv	
38) Trichloroethene	7.82	130	11385m	0.084	ppbv	
52) Tetrachloroethene	11.22	164	15334m	0.123	ppbv	
53) Toluene	9.80	91	69688m	0.193	ppbv	
59) m/p-Xylene	12.96	91	51192m	0.129	ppbv	

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

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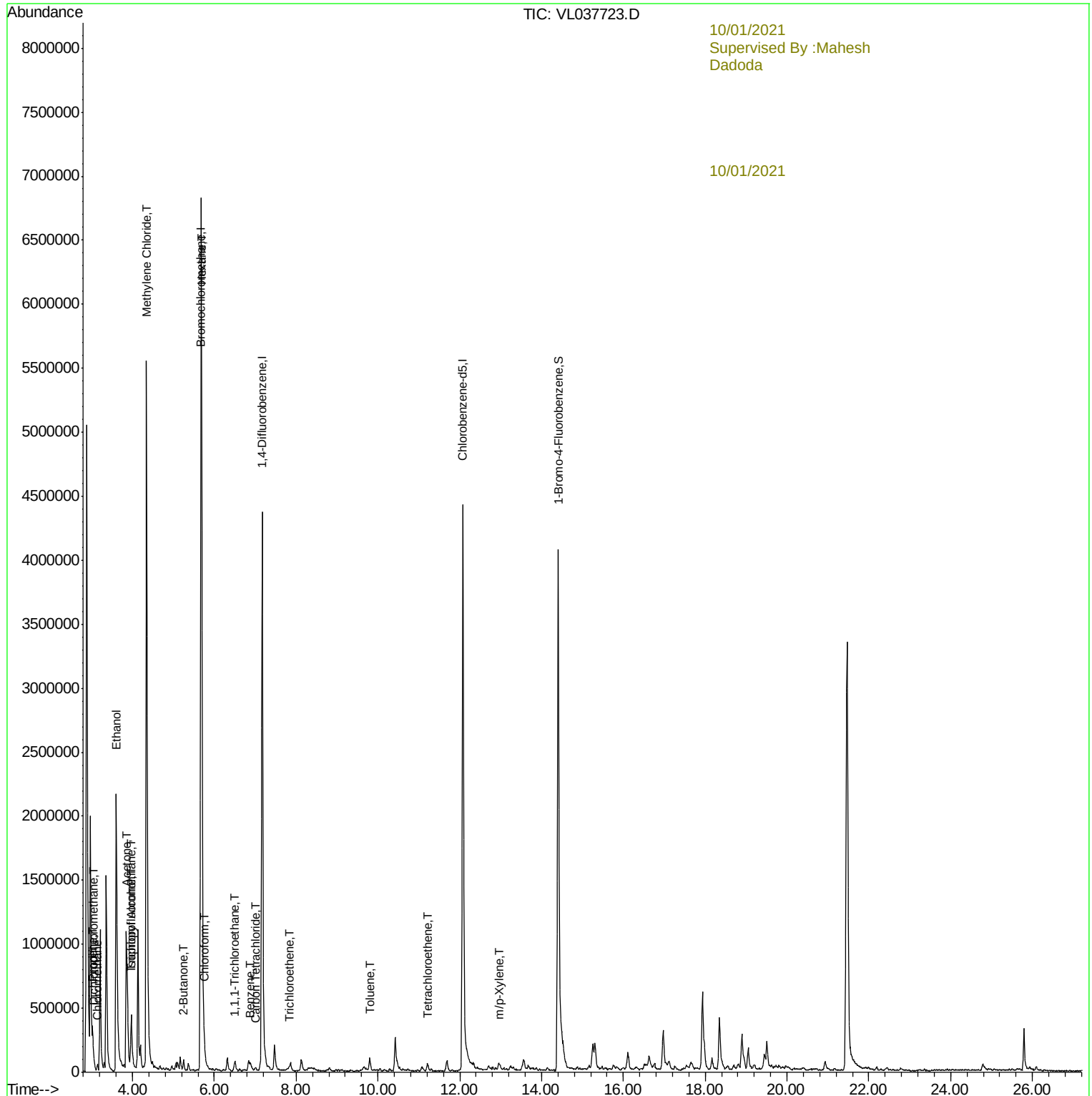
Instrument :
MSVOA_L
ClientSampleId :
IA-18B

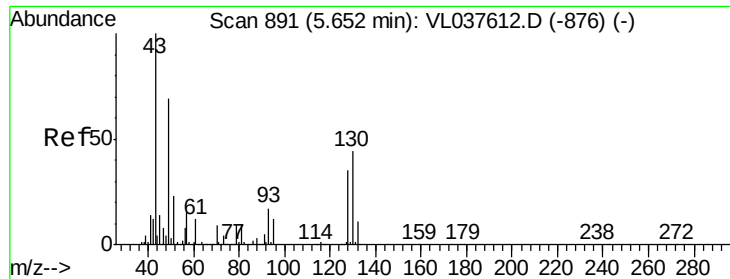
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_L\METHODS\VL091621
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PM



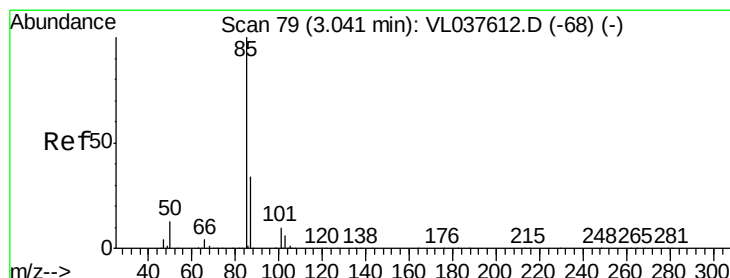
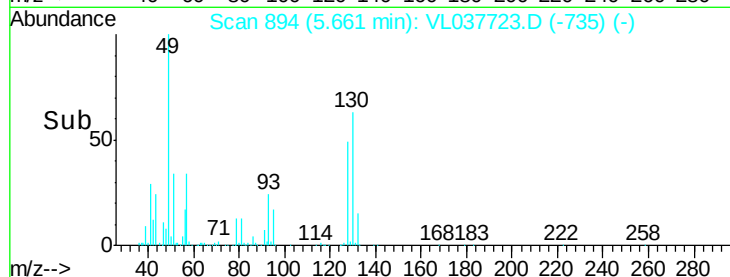
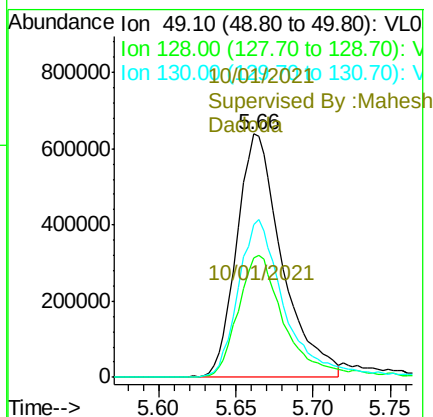
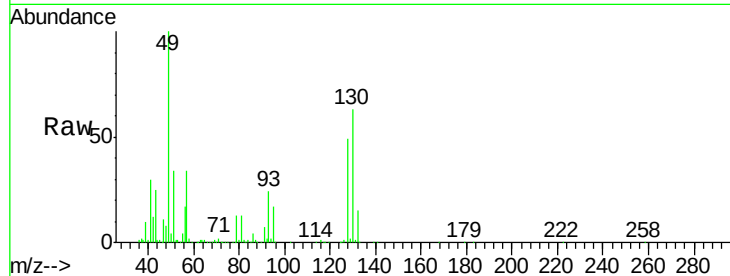


#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.66
Instrument: MSVOA_L
Delta R.T.:
Lab File: ClientSampleId :
Acq: 29 Sep 2021 8:27

Tgt Ion:
Ion Ratio
49 100
128 53.
130 68.

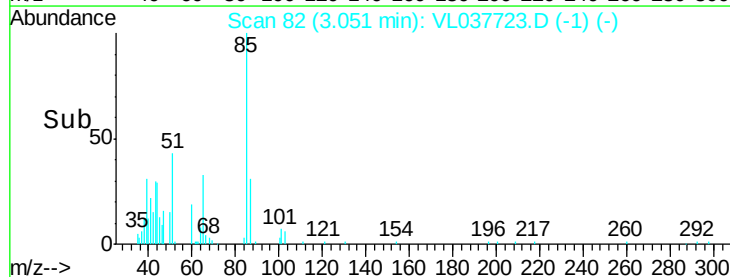
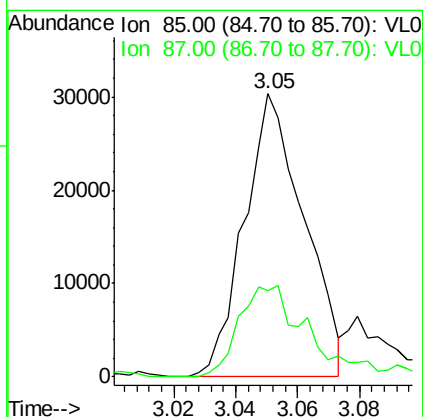
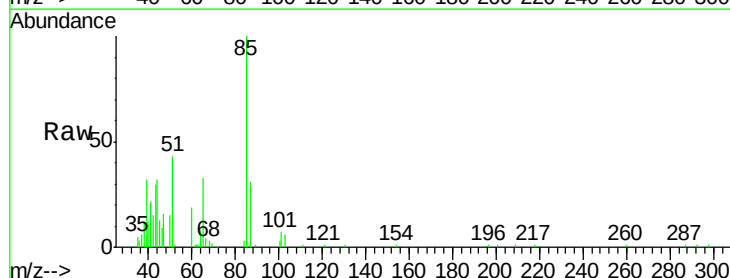
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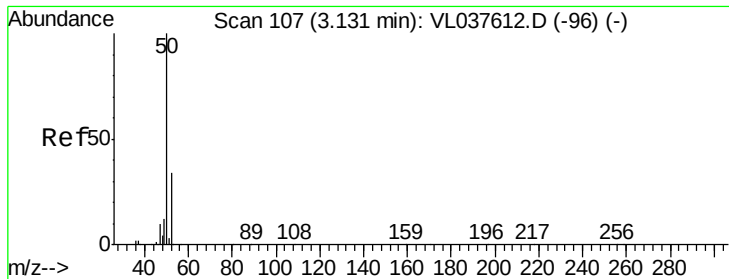
Reviewed By :Semsettin Yesilyurt 10/01/2021
Supervised By :Mahesh Dadoda 10/01/2021



#2
Dichlorodifluoromethane
Concen: 0.174 ppbv
RT: 3.05 min Scan# 82
Delta R.T. 0.01 min
Lab File: VL037723.D
Acq: 29 Sep 2021 8:27

Tgt Ion: 85 Resp: 40791
Ion Ratio Lower Upper
85 100
87 30.5 26.8 40.2





#4

Chloromethane

Concen: 0.560 ppbv

RT: 3.14 Instrument: MSVOA_L

Delta R.T. 0.02

Lab File: ClientSampleId: IA-18B

Acq: 29 Sep 2021 8:27

Tgt Ion:

Ion Ratio

50 100

52 35.

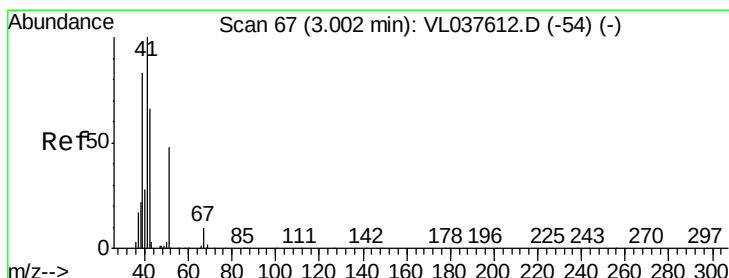
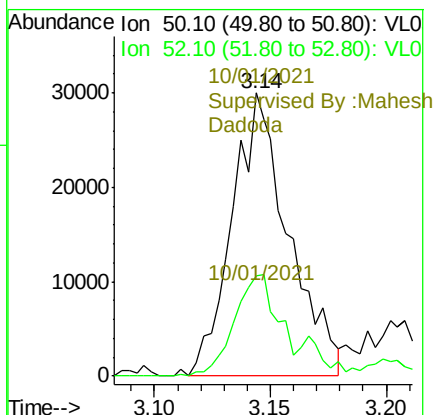
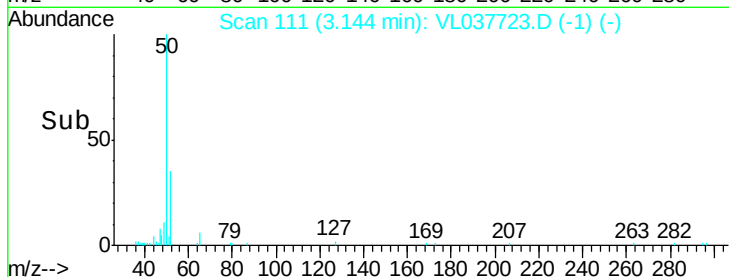
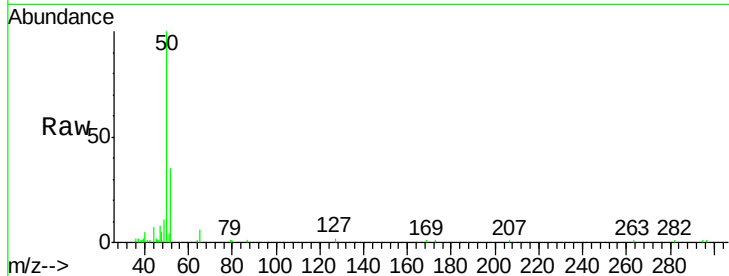
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#9

Propene

Concen: 0.891 ppbv m

RT: 3.02 min Scan# 74

Delta R.T. 0.02 min

Lab File: VL037723.D

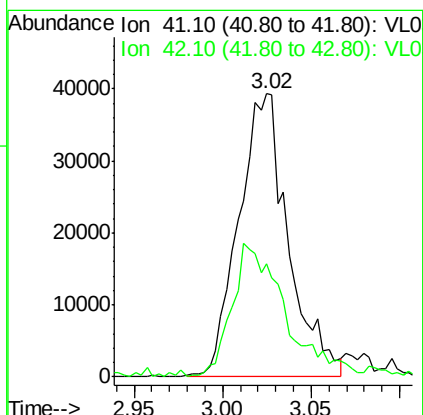
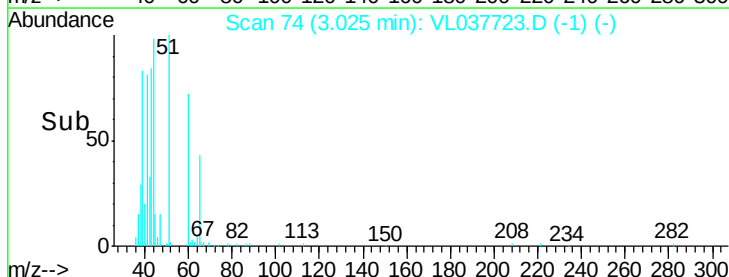
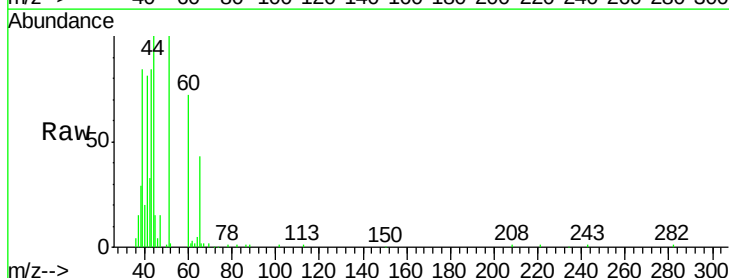
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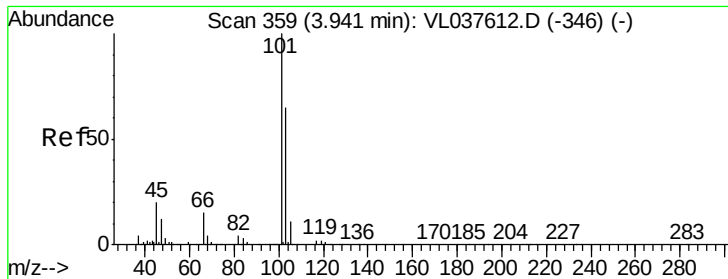
Tgt Ion: 41 Resp: 76805

Ion Ratio Lower Upper

41 100

42 334.0 57.2 85.8#





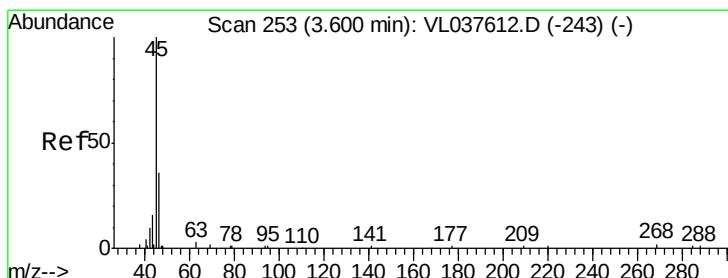
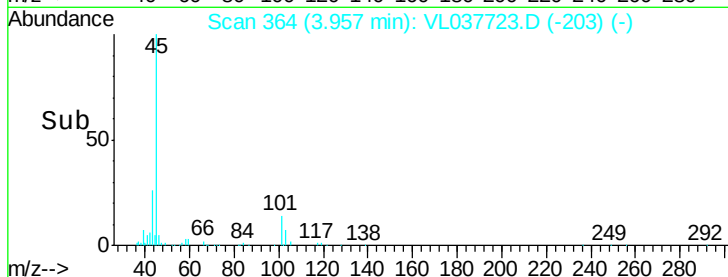
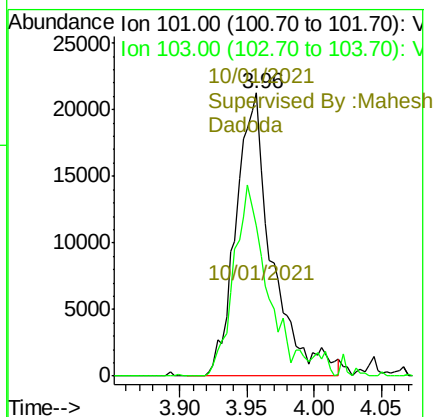
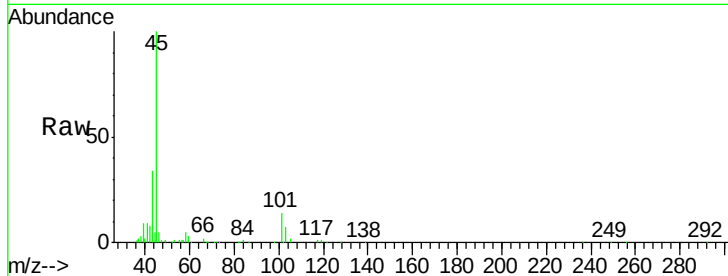
#11
 Trichlorofluoromethane
 Concen: 0.210 ppbv m
 RT: 3.96
 Instrument: MSVOA_L
 Delta R.T.:
 Lab File: ClientSampleId :
 Acq: 29 Sep 2021 8:27

Tgt Ion: 1
 Ion Ratio
 101 100
 103 53.

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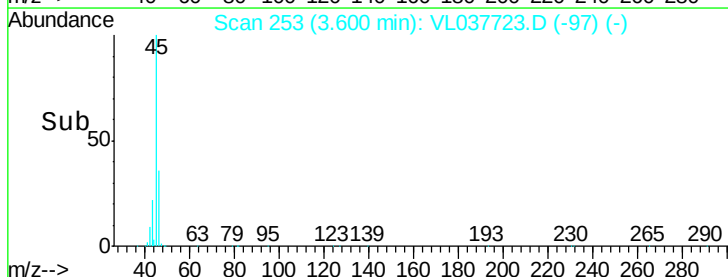
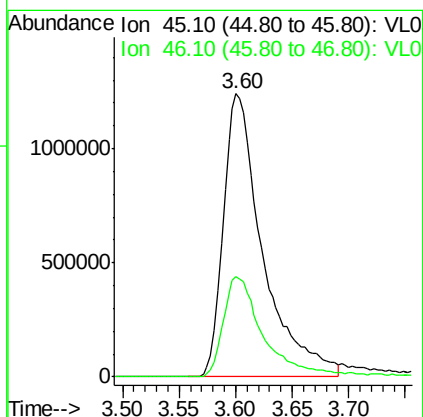
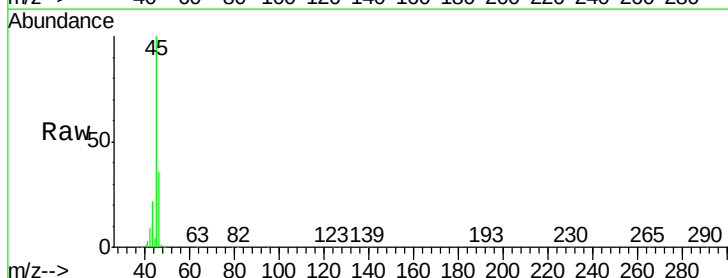
Reviewed By : Semsettin Yesilyurt 10/01/2021
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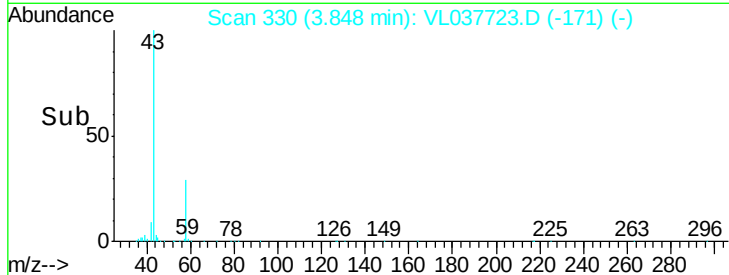
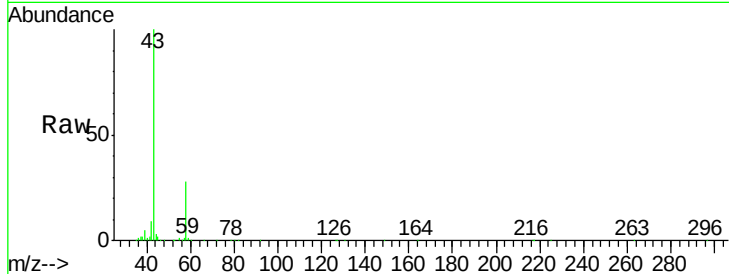
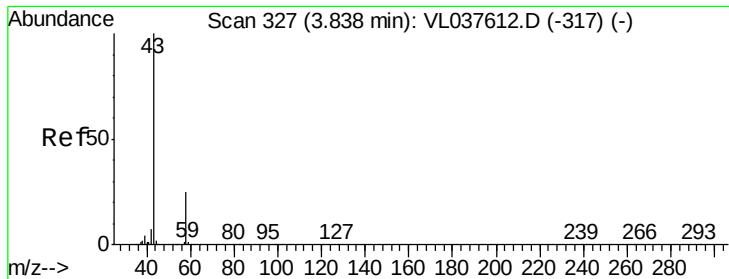
PM



#13
 Ethanol
 Concen: 355.908 ppbv
 RT: 3.60 min Scan# 253
 Delta R.T. 0.00 min
 Lab File: VL037723.D
 Acq: 29 Sep 2021 8:27

Tgt Ion: 45 Resp: 3002525
 Ion Ratio Lower Upper
 45 100
 46 37.9 17.2 68.8





#15

Acetone

Concen: 8.106 ppbv m

RT: 3.85 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 29 Sep 2021 8:27

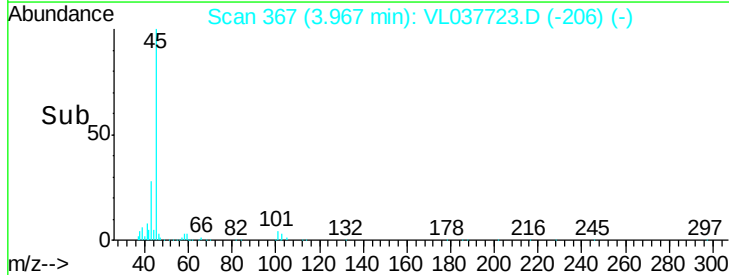
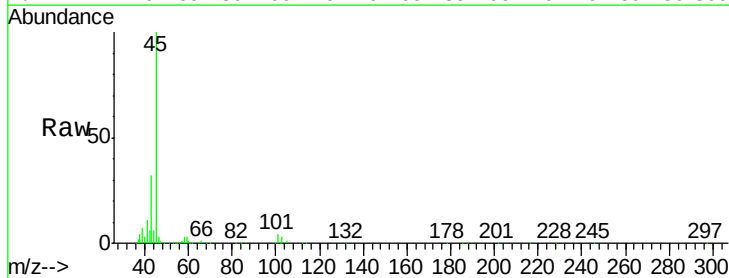
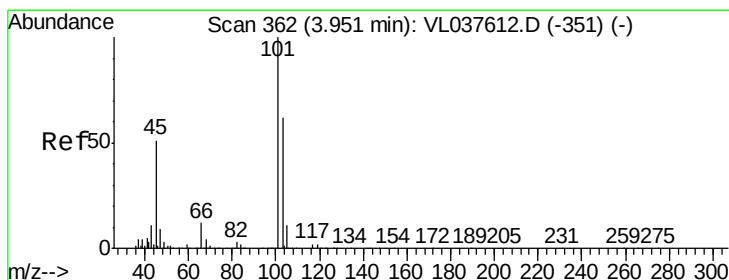
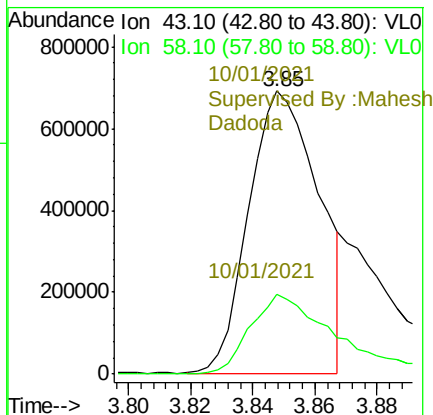
Manual Integrations

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Reviewed By :Semsettin Yesilyurt 10/01/2021

Supervised By :Mahesh Dadoda 10/01/2021

PM



#19

Isopropyl Alcohol

Concen: 7.089 ppbv

RT: 3.97 min Scan# 367

Delta R.T. 0.02 min

Lab File: VL037723.D

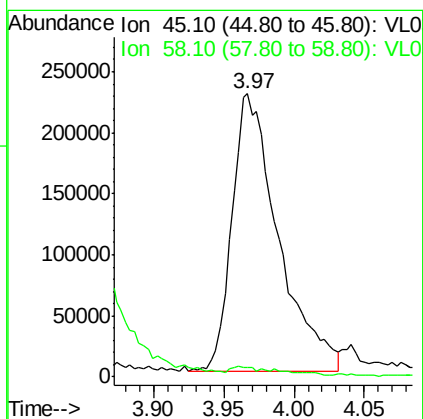
Acq: 29 Sep 2021 8:27

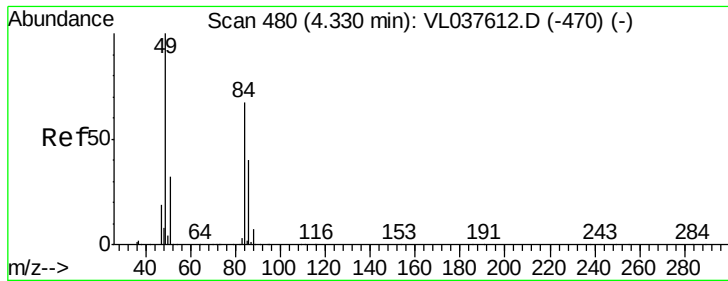
Tgt Ion: 45 Resp: 519451

Ion Ratio Lower Upper

45 100

58 3.5 2.9 4.3



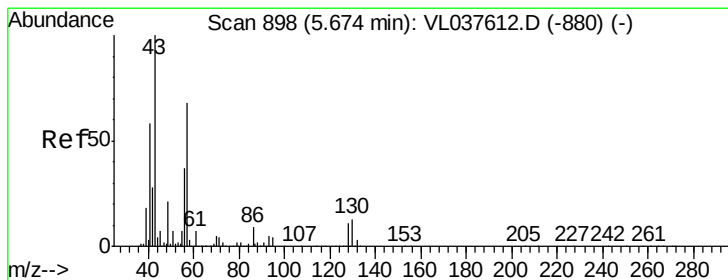
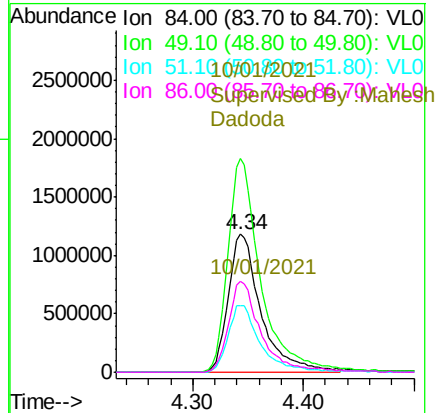
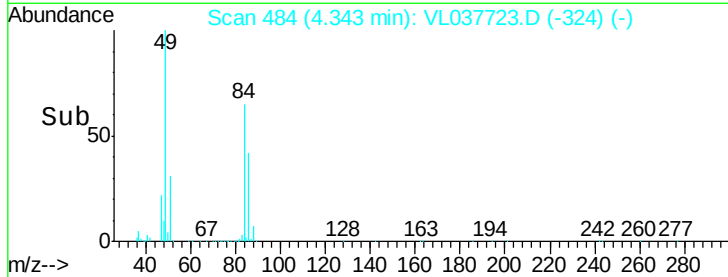
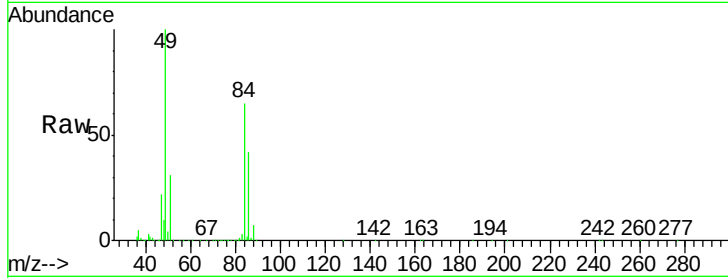


#20
Methylene Chloride
Concen: 37.879 ppbv
RT: 4.34
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 29 Sep 2021 8:27

Tgt Ion: 84
Ion Ratio: 100
49 154.
51 48.
86 65.6

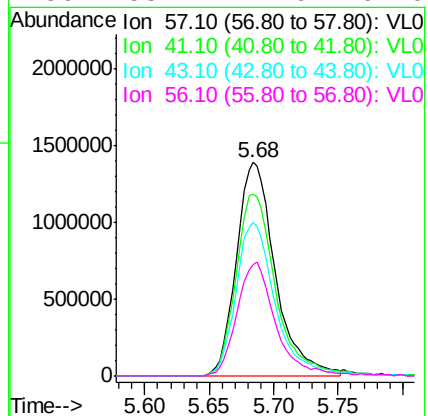
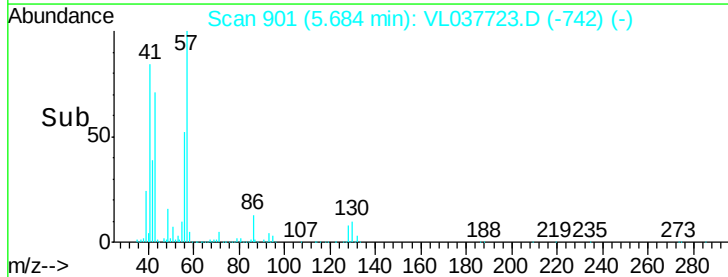
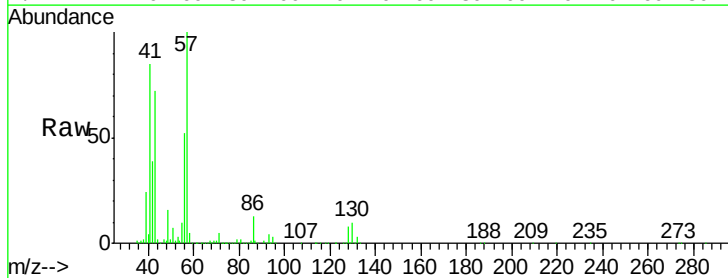
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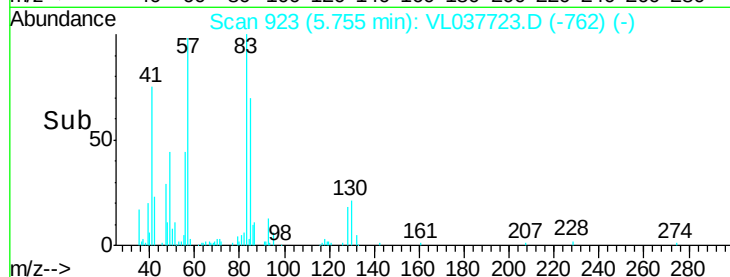
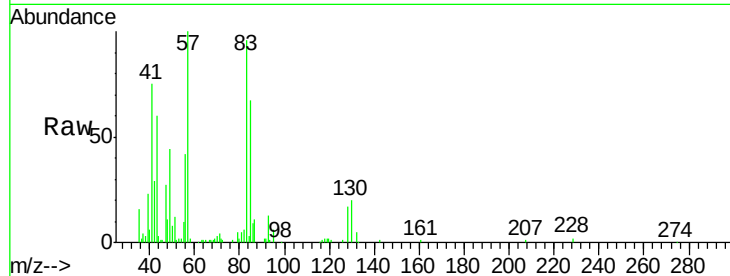
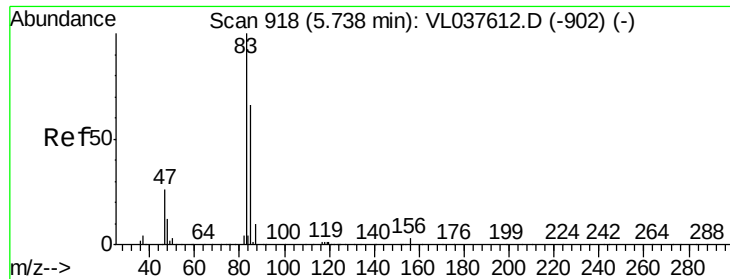
Reviewed By :Semsettin Yesilyurt 10/01/2021
Supervised By :Mahesh Dadoda 10/01/2021



#26
Hexane
Concen: 18.850 ppbv
RT: 5.68 min Scan# 901
Delta R.T. 0.01 min
Lab File: VL037723.D
Acq: 29 Sep 2021 8:27

Tgt Ion: 57 Resp: 2920810
Ion Ratio Lower Upper
57 100
41 88.4 70.9 106.3
43 73.2 170.4 255.6#
56 53.7 42.6 64.0





#29

Chloroform

Concen: 0.351 ppbv m

RT: 5.75 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 29 Sep 2021 8:27

Tgt Ion:

Ion Ratio

83 100

85 69.

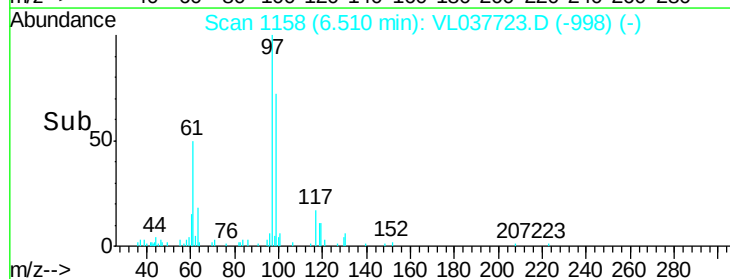
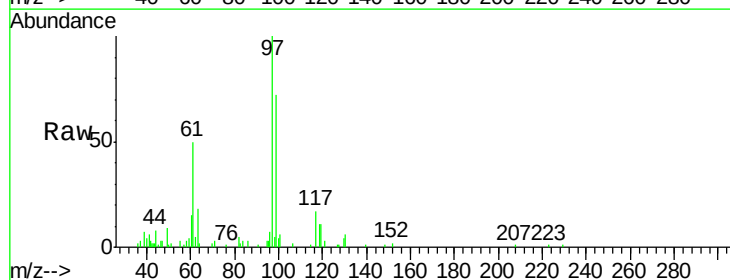
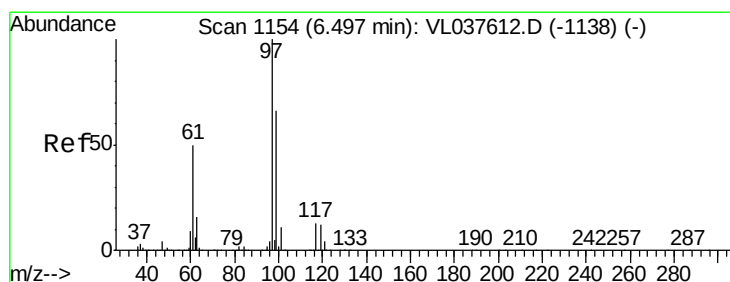
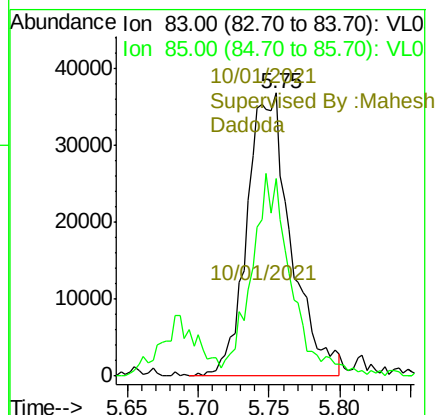
Manual Integrations

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Supervised By :Mahesh Dadoda 10/01/2021

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#32

1,1,1-Trichloroethane

Concen: 0.209 ppbv m

RT: 6.51 min Scan# 1158

Delta R.T. 0.01 min

Lab File: VL037723.D

Acq: 29 Sep 2021 8:27

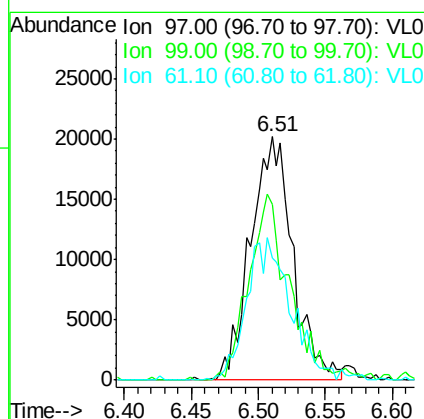
Tgt Ion: 97 Resp: 43970

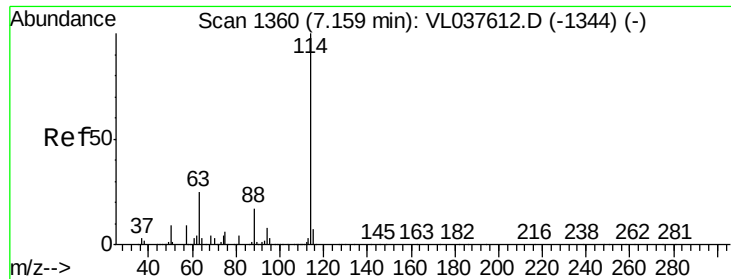
Ion Ratio Lower Upper

97 100

99 74.9 52.3 78.5

61 62.6 39.5 59.3#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.17

Delta R.T. MSVOA_L

Lab File: ClientSampleId : IA-18B

Acq: 29 Sep 2021 8:27

Tgt Ion: 1

Ion Ratio

114 100

63 23.

88 18.

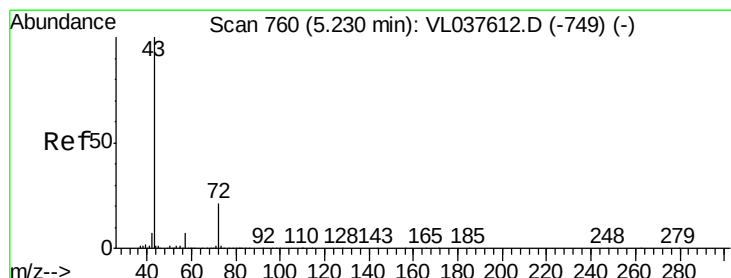
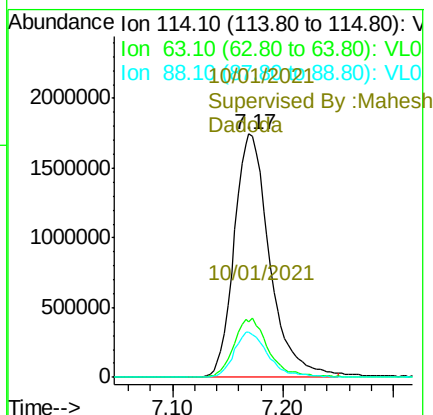
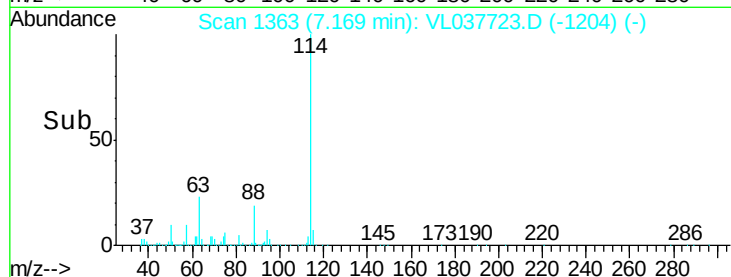
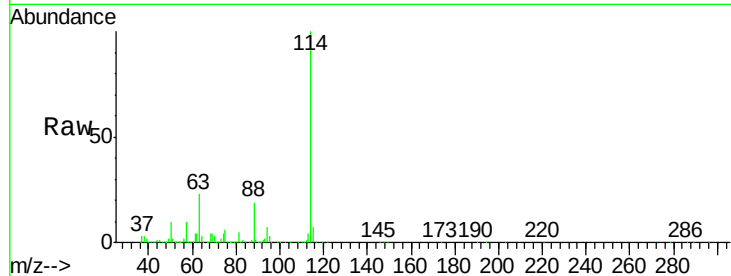
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#34

2-Butanone

Concen: 0.662 ppbv m

RT: 5.24 min Scan# 764

Delta R.T. 0.01 min

Lab File: VL037723.D

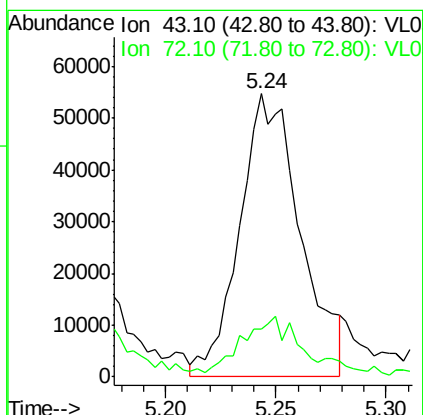
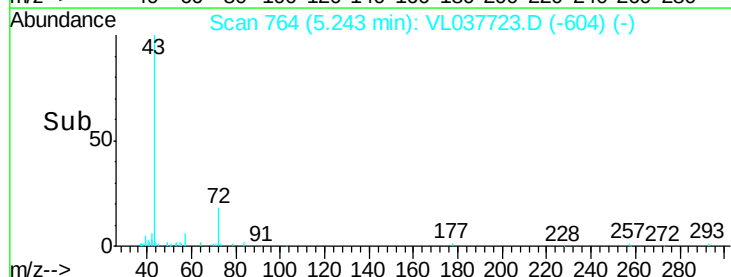
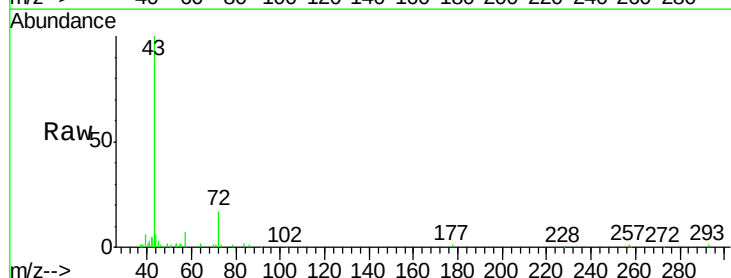
Acq: 29 Sep 2021 8:27

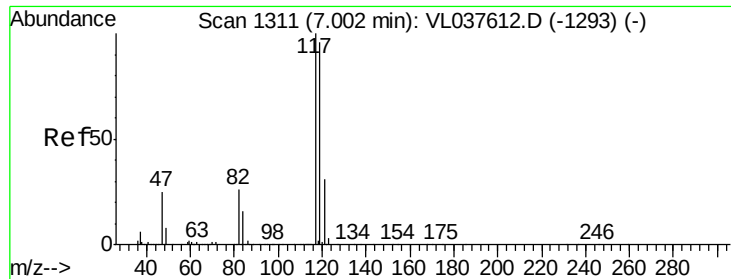
Tgt Ion: 43 Resp: 104621

Ion Ratio Lower Upper

43 100

72 0.0 18.4 27.6#





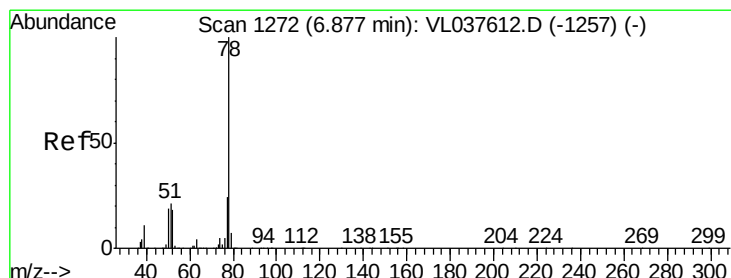
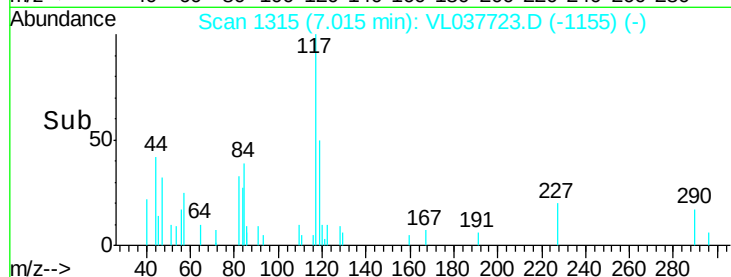
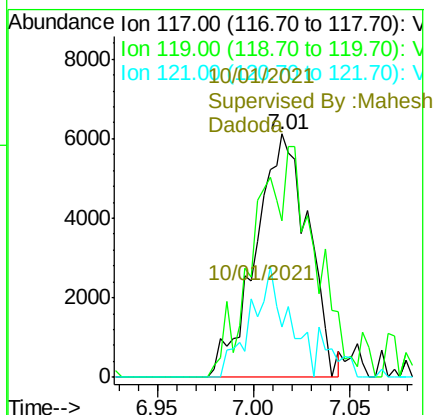
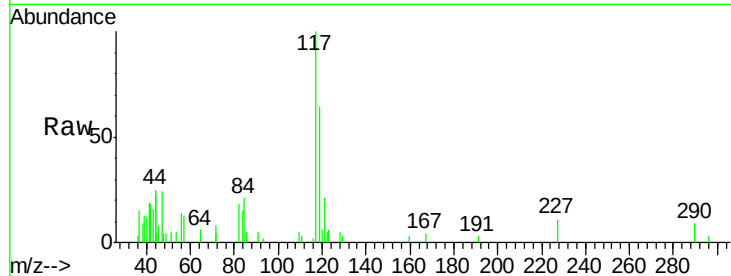
#35
Carbon Tetrachloride
Concen: 0.053 ppbv m
RT: 7.01
Instrument: MSVOA_L
Delta R.T.:
Lab File: ClientSampleId :
Acq: 29 Sep 2021 8:27

Tgt Ion: 1
Ion Ratio
117 100
119 64.
121 20.

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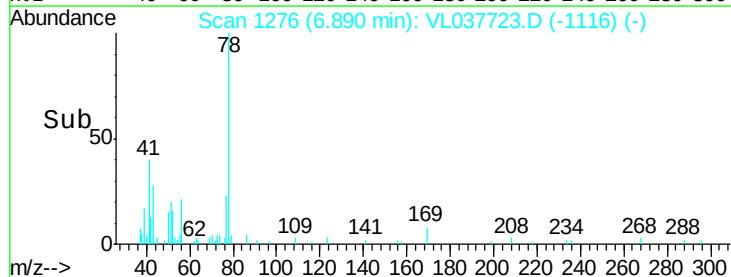
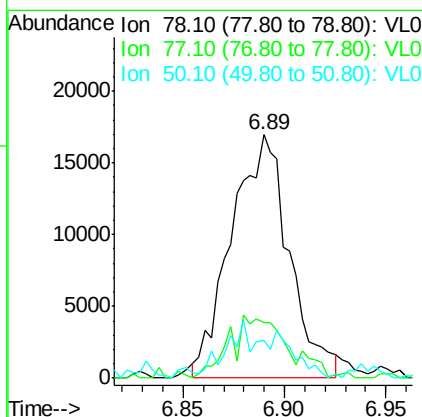
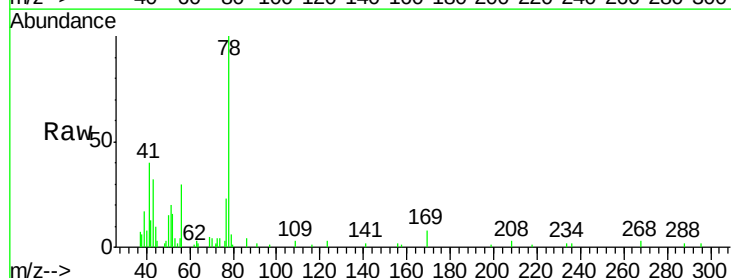
Reviewed By :Semsettin Yesilyurt 10/01/2021
Supervised By :Mahesh Dadoda 10/01/2021

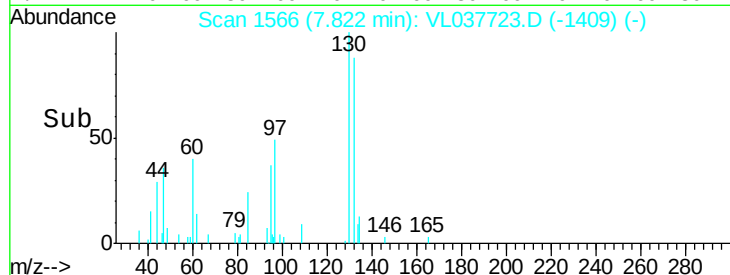
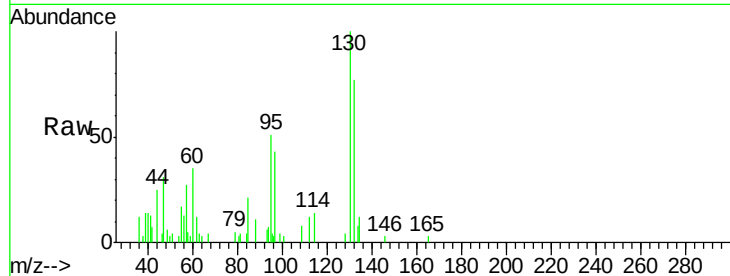
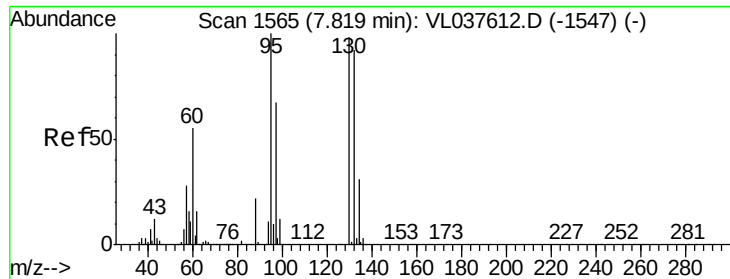
PM



#36
Benzene
Concen: 0.104 ppbv m
RT: 6.89 min Scan# 1276
Delta R.T. 0.01 min
Lab File: VL037723.D
Acq: 29 Sep 2021 8:27

Tgt Ion: 78 Resp: 33694
Ion Ratio Lower Upper
78 100
77 23.0 19.0 28.4
50 15.3 14.8 22.2



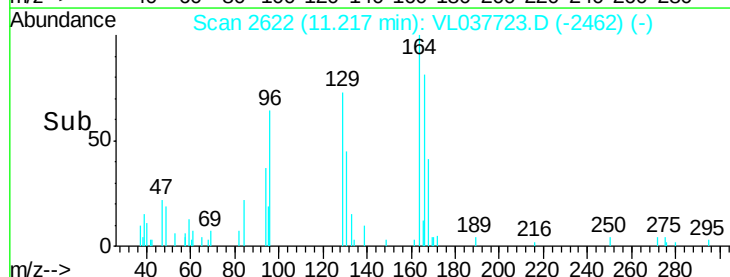
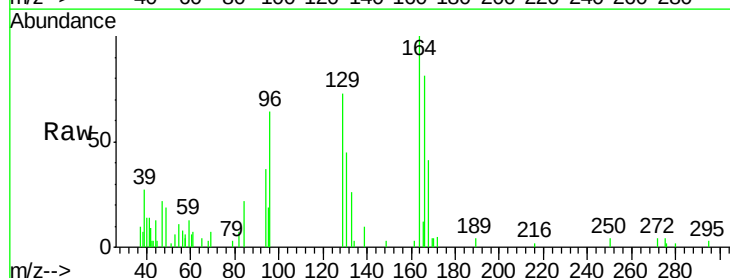
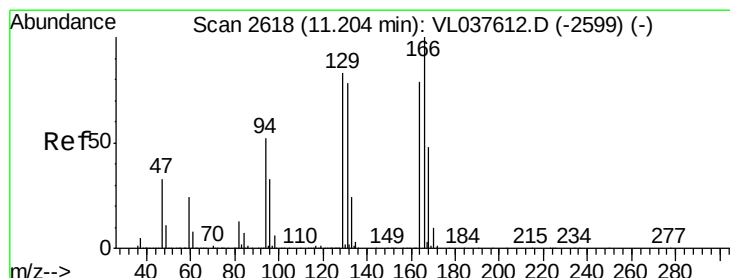
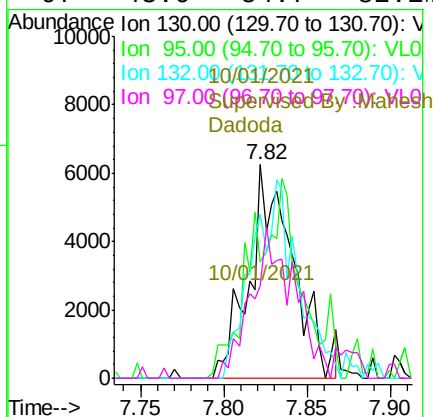


#38
 Trichloroethene
 Concen: 0.084 ppbv m
 RT: 7.82
 Instrument: MSVOA_L
 Delta R.T.:
 Lab File: ClientSampleId :
 Acq: 29 Sep 2021 8:27

Tgt Ion:1
 Ion Ratio
 130 100
 95 51.
 132 76.
 97 43.0

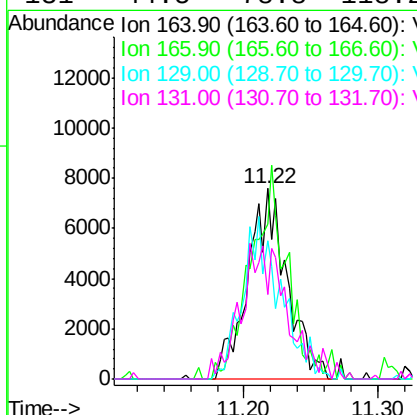
Manual Integrations
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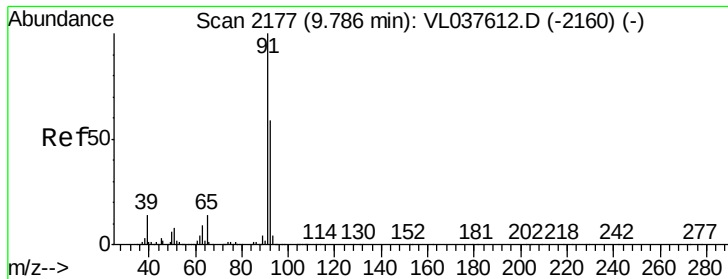
Reviewed By :Semsettin Yesilyurt 10/01/2021
 Supervised By :Mahesh Dadoda 10/01/2021



#52
 Tetrachloroethene
 Concen: 0.123 ppbv m
 RT: 11.22 min Scan# 2622
 Delta R.T. 0.01 min
 Lab File: VL037723.D
 Acq: 29 Sep 2021 8:27

Tgt Ion:164 Resp: 15334
 Ion Ratio Lower Upper
 164 100
 166 81.3 101.2 151.8#
 129 72.6 84.0 126.0#
 131 44.5 78.8 118.2#





#53

Toluene

Concen: 0.193 ppbv m

RT: 9.80 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 29 Sep 2021 8:27

Tgt Ion:

Ion Ratio

91 100

92 59.

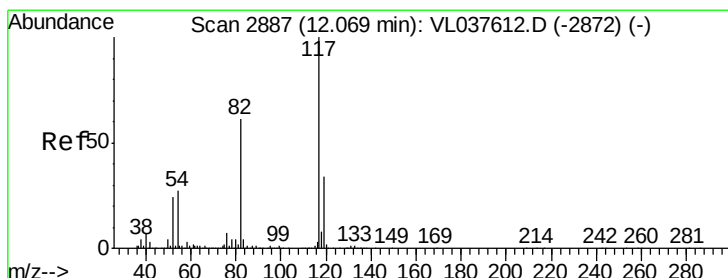
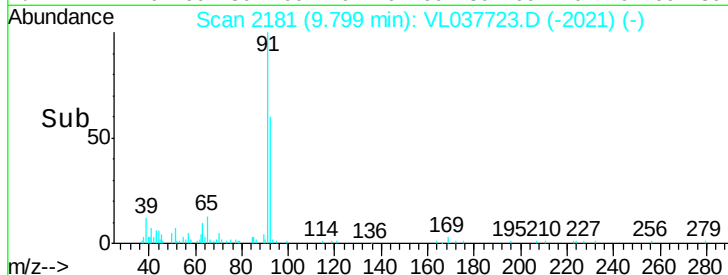
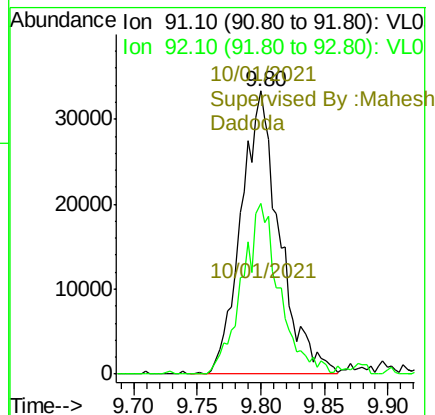
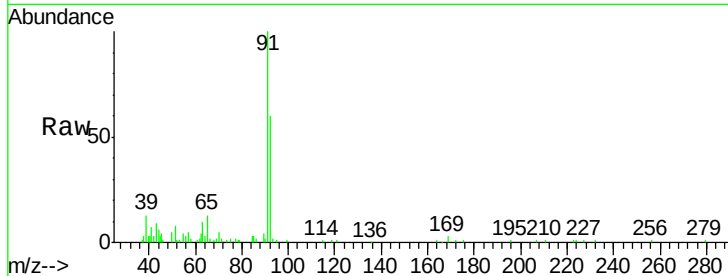
Manual Integrations

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Reviewed By :Semsettin Yesilyurt 10/01/2021

Supervised By :Mahesh Dadoda 10/01/2021

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#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.08 min Scan# 2889

Delta R.T. 0.01 min

Lab File: VL037723.D

Acq: 29 Sep 2021 8:27

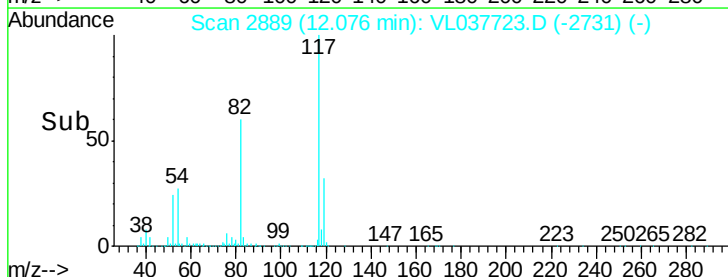
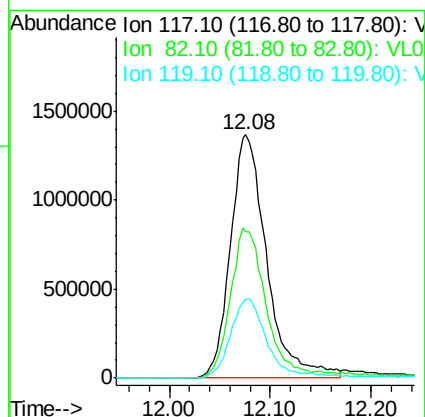
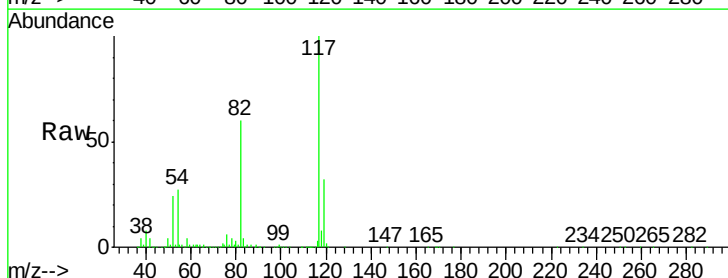
Tgt Ion:117 Resp: 3424377

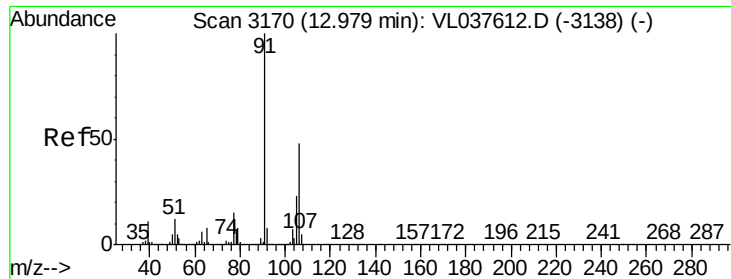
Ion Ratio Lower Upper

117 100

82 64.1 50.6 75.8

119 34.6 26.2 39.2





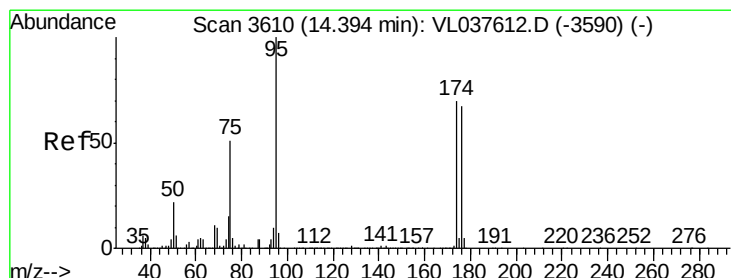
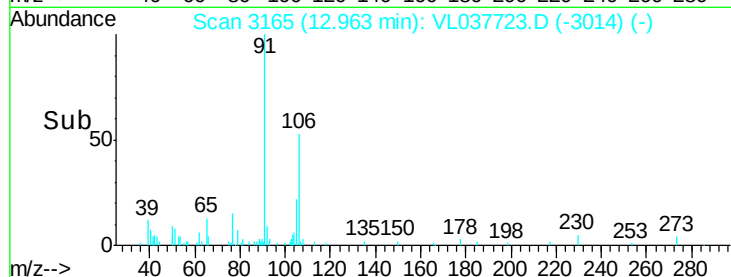
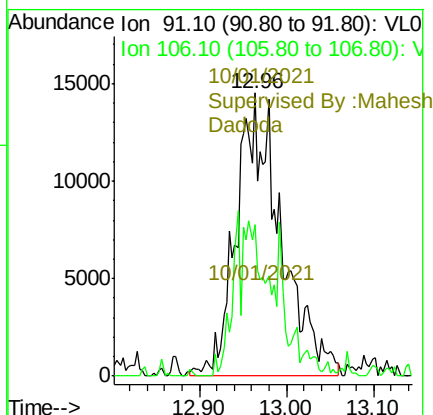
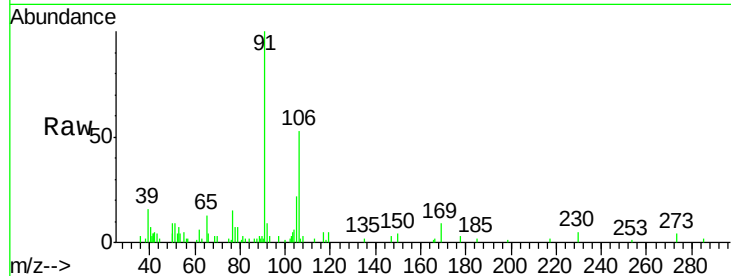
#59
m/p-Xylene
Concen: 0.129 ppbv m
RT: 12.96
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 29 Sep 2021 8:27

Tgt Ion:
Ion Ratio
91 100
106 0.

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 10/01/2021
Supervised By :Mahesh Dadoda 10/01/2021

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#68
1-Bromo-4-Fluorobenzene
Concen: 9.343 ppbv
RT: 14.40 min Scan# 3613
Delta R.T. 0.01 min
Lab File: VL037723.D
Acq: 29 Sep 2021 8:27

Tgt Ion: 95 Resp: 2312329
Ion Ratio Lower Upper
95 100
174 79.4 56.3 84.5
175 5.8 4.4 6.6

