

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL101221\
 Data File : VL037838.D
 Acq On : 12 Oct 2021 20:34
 Operator : SY/AP
 Sample : M4079-08
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 C0P20

Manual Integrations
 APPROVED

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

Quant Time: Oct 14 02:09:20 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	1224522	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3619876	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	3111275	10.00	ppbv	-0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	2248784	10.34	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.40%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	23509m	0.120	ppbv	
9) Propene	3.01	41	59120	0.683	ppbv	96
10) Heptane	8.11	43	22438m	0.114	ppbv	
11) Trichlorofluoromethane	3.94	101	33008	0.189	ppbv	86
13) Ethanol	3.60	45	180309	25.468	ppbv	86
15) Acetone	3.84	43	2873497	26.140	ppbv	95
17) tert-Butyl alcohol	4.30	59	44013m	0.389	ppbv	
19) Isopropyl Alcohol	3.97	45	47452m	0.694	ppbv	
20) Methylene Chloride	4.34	84	290116	5.223	ppbv	95
26) Hexane	5.68	57	221408m	1.458	ppbv	
27) Carbon Disulfide	4.55	76	31946	0.237	ppbv #	68
29) Chloroform	5.75	83	176896	0.815	ppbv	98
34) 2-Butanone	5.24	43	548905	3.756	ppbv	96
36) Benzene	6.89	78	29445m	0.095	ppbv	
52) Tetrachloroethene	11.21	164	174794	1.453	ppbv	92
53) Toluene	9.80	91	55008	0.161	ppbv	98
58) Ethyl Benzene	12.70	91	95436	0.228	ppbv	93
59) m/p-Xylene	12.96	91	353401m	0.985	ppbv	
60) o-Xylene	13.68	91	119414	0.347	ppbv	100
74) 1,2,4-Trimethylbenzene	16.75	105	61748m	0.166	ppbv	
79) Naphthalene	22.18	128	30437m	0.134	ppbv	

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

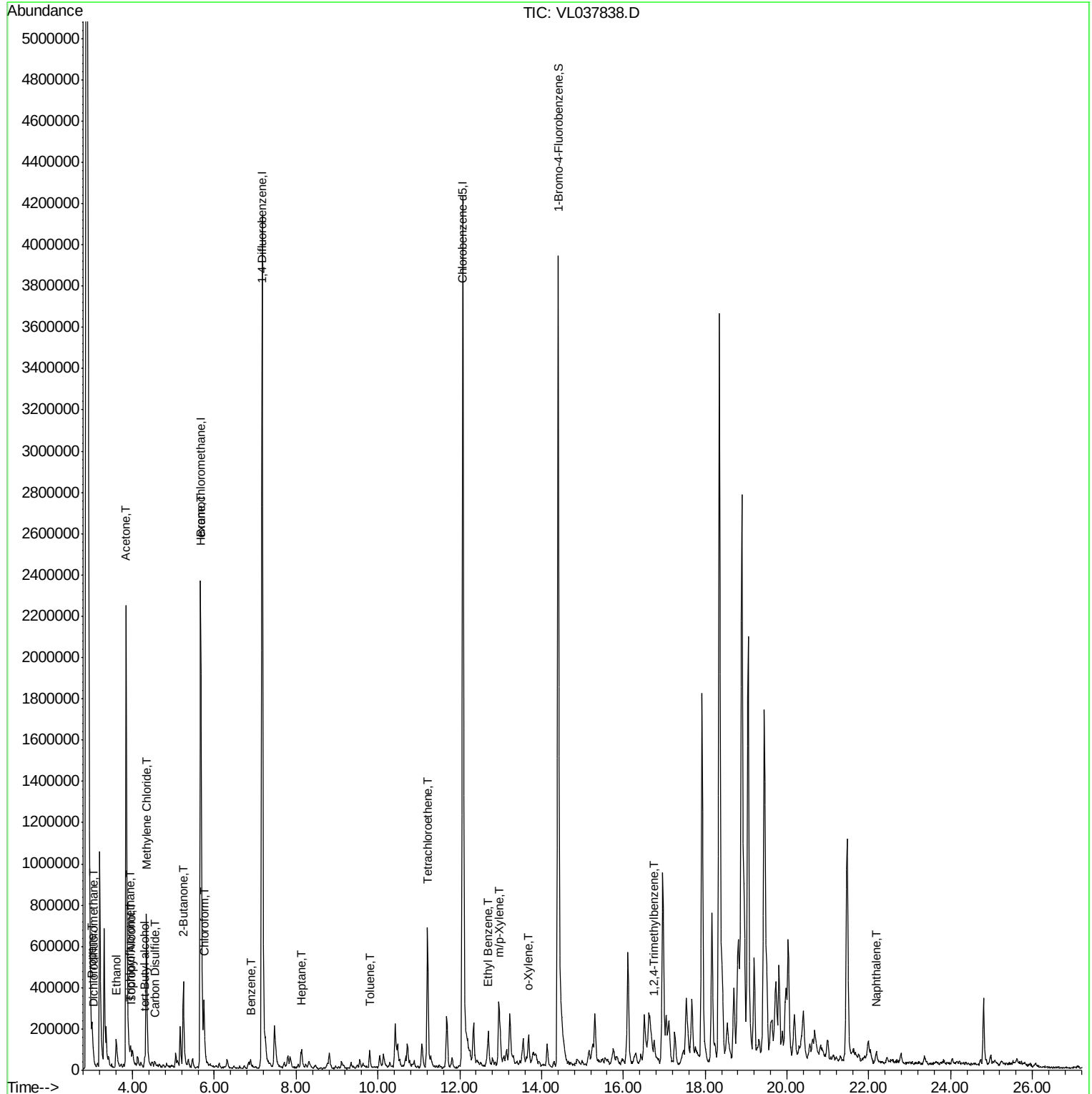
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL101221\
Data File : VL037838.D
Acq On : 12 Oct 2021 20:34
Operator : SY/AP
Sample : M4079-08
Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

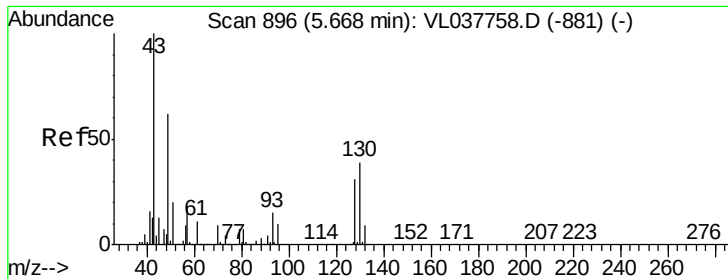
Instrument :
MSVOA_L
ClientSampleId :
C0P20

Manual Integrations
APPROVED

Quant Time: Oct 14 02:09:20 2021
Quant Method : Z:\VOASRV\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_L

Delta R.T. ClientSampleId:

Lab File: COP20

Acq: 12 Oct 2021 20:34

Tot Ion:

Ion Ratio

49 100

128 53.

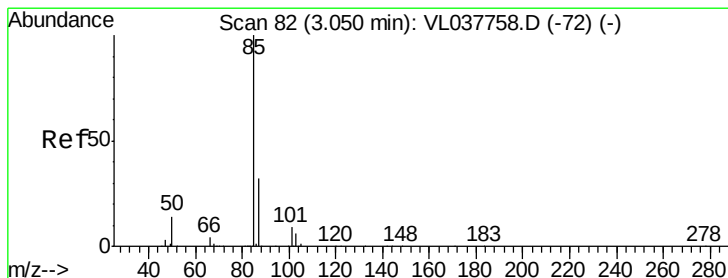
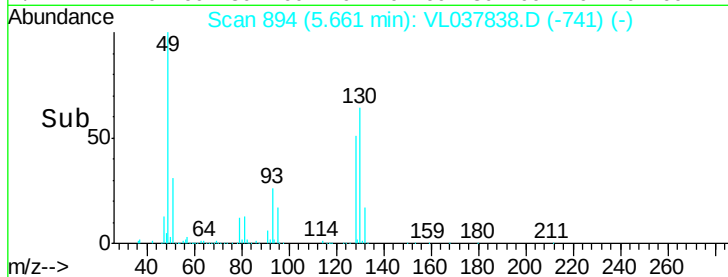
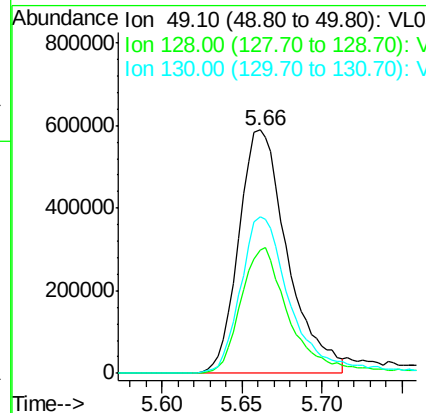
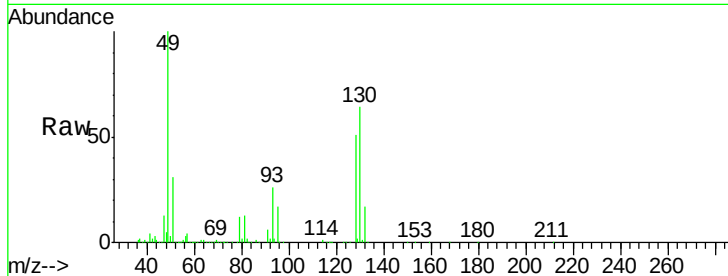
130 68.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 10/14/2021

Supervised By :Mahesh Dadoda 10/15/2021



#2

Dichlorodifluoromethane

Concen: 0.120 ppbv m

RT: 3.05 min Scan# 82

Delta R.T. -0.00 min

Lab File: VL037838.D

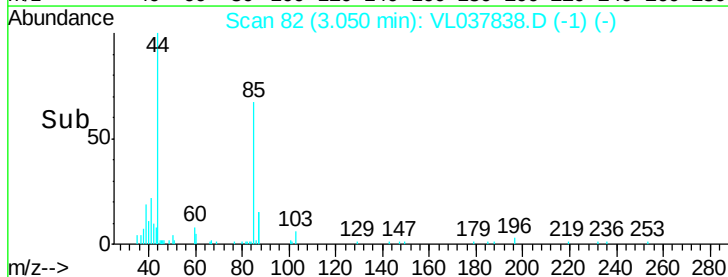
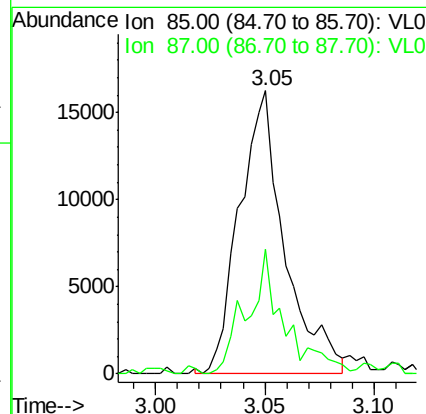
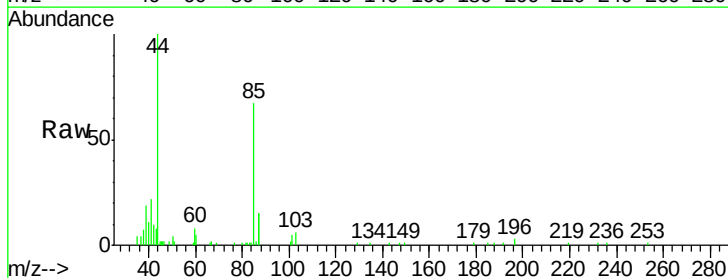
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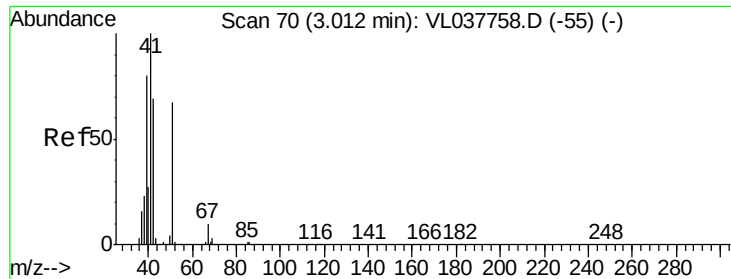
Tgt Ion: 85 Resp: 23509

Ion Ratio Lower Upper

85 100

87 22.4 25.7 38.5#



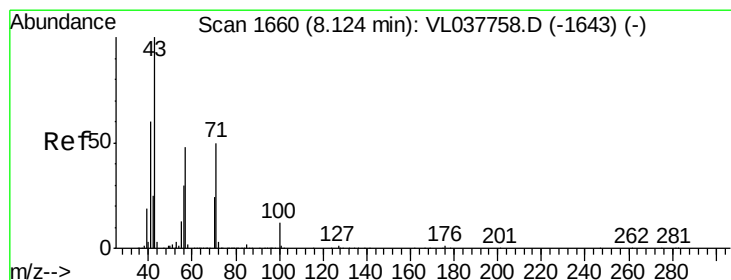
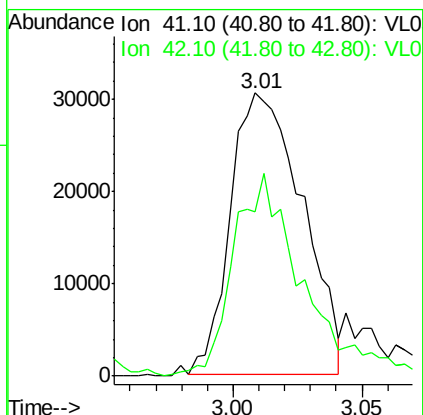
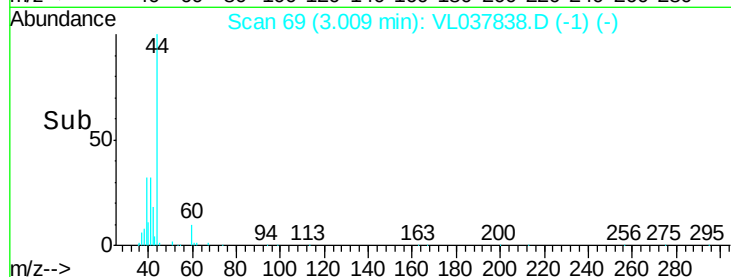
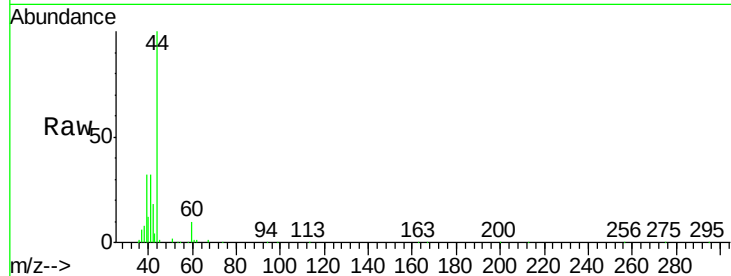


#9
 Propene
 Concen: 0.683 ppbv
 RT: 3.01
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 12 Oct 2021 20:34

Tot Ion:
 Ion Ratio
 41 100
 42 71.

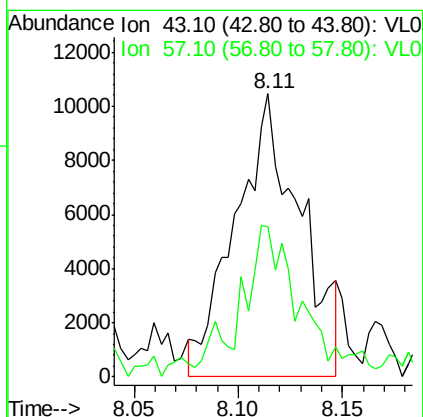
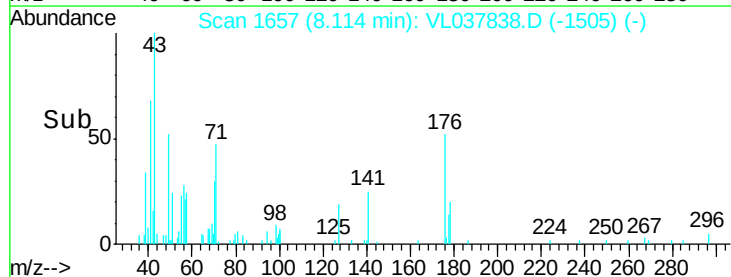
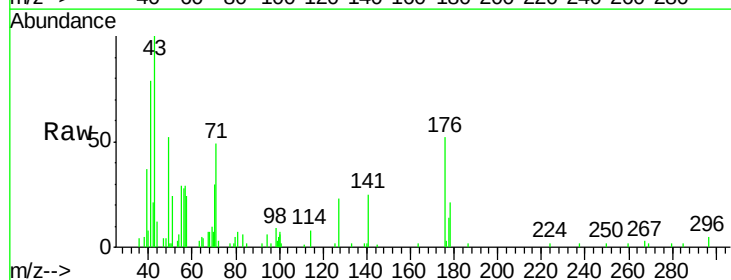
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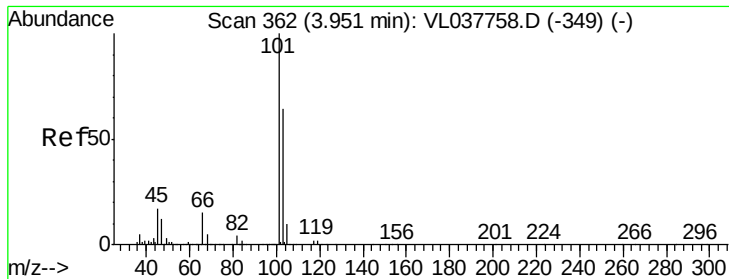
Reviewed By :Semsettin Yesilyurt 10/14/2021
 Supervised By :Mahesh Dadoda 10/15/2021



#10
 Heptane
 Concen: 0.114 ppbv m
 RT: 8.11 min Scan# 1657
 Delta R.T. -0.01 min
 Lab File: VL037838.D
 Acq: 12 Oct 2021 20:34

Tgt Ion: 43 Resp: 22438
 Ion Ratio Lower Upper
 43 100
 57 56.4 40.0 60.0



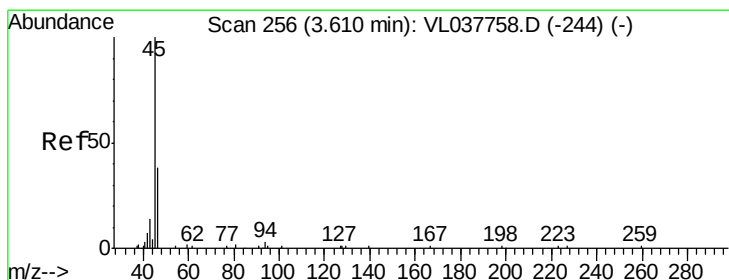
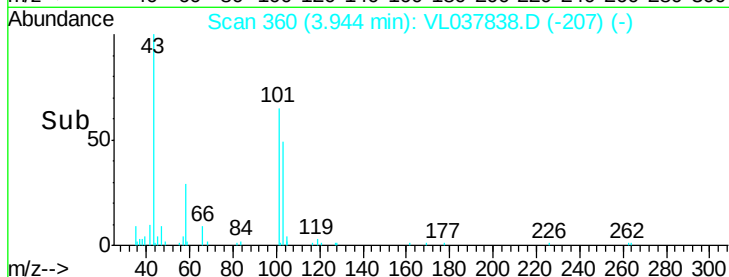
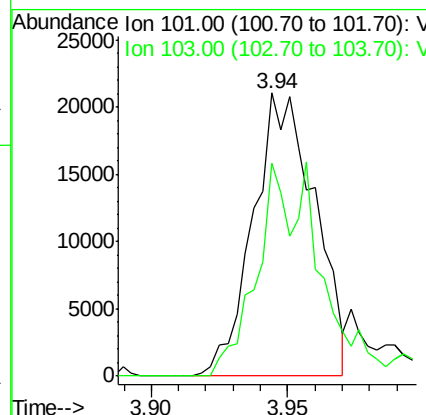
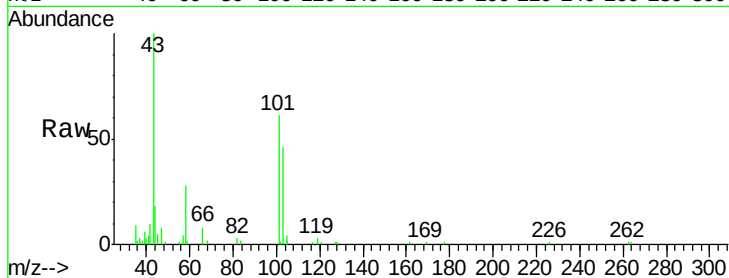


#11
Trichlorofluoromethane
Concen: 0.189 ppbv
RT: 3.94
Delta R.T.: MSVOA_L
Lab File: ClientSampleId :
Acq: 12 Oct 2021 20:34

Tot Ion:1
Ion Rati
101 100
103 75.

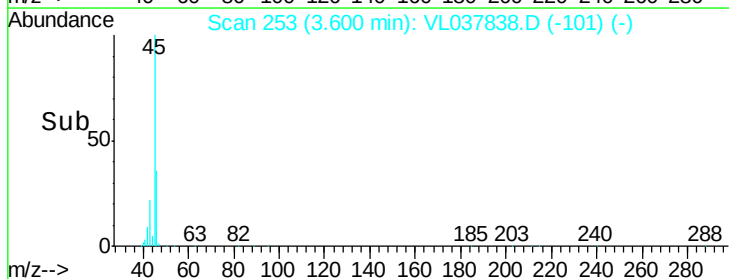
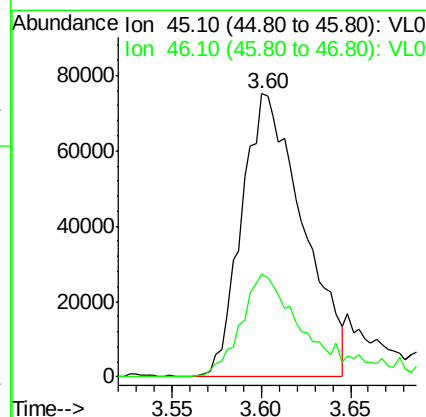
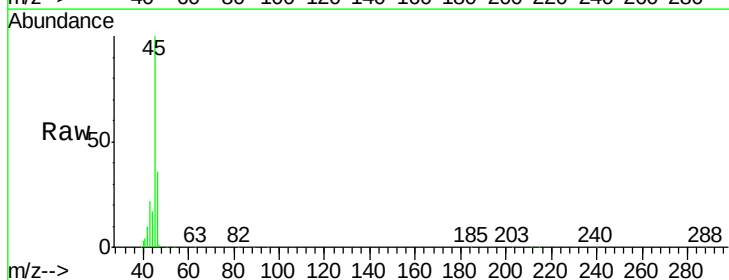
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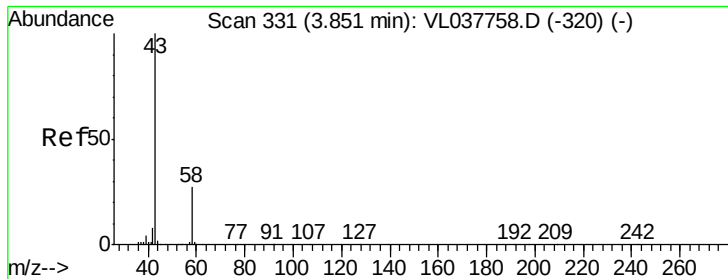
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#13
Ethanol
Concen: 25.468 ppbv
RT: 3.60 min Scan# 253
Delta R.T. -0.01 min
Lab File: VL037838.D
Acq: 12 Oct 2021 20:34

Tgt Ion: 45 Resp: 180309
Ion Ratio Lower Upper
45 100
46 40.6 20.2 81.0



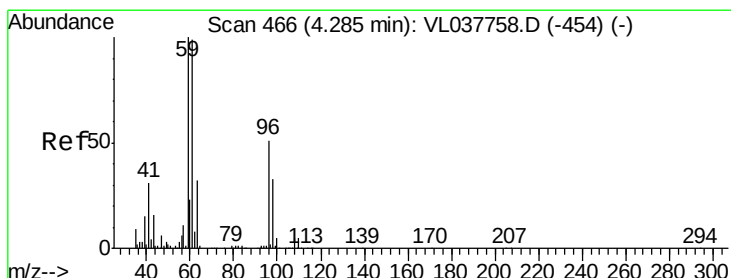
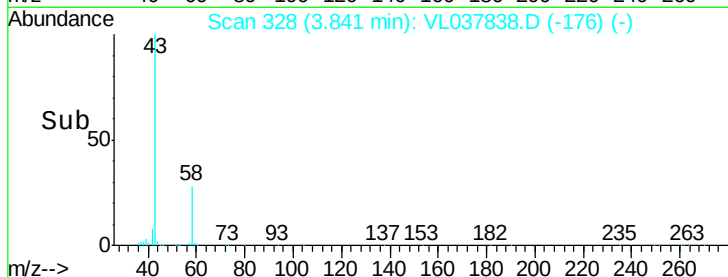
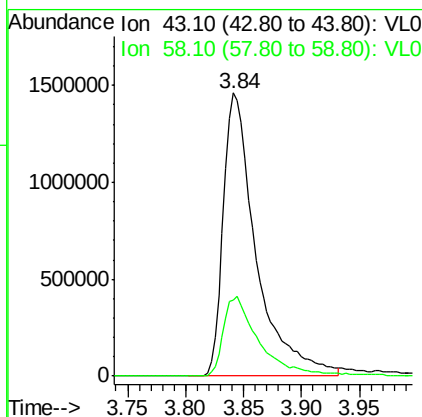
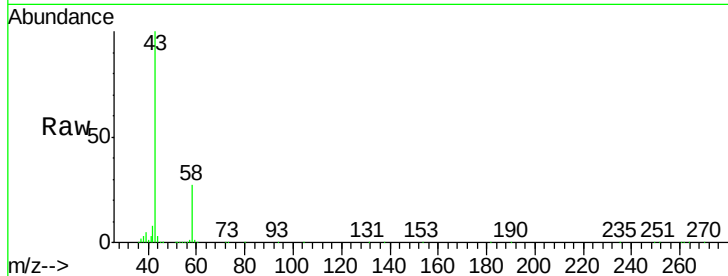


#15
Acetone
Concen: 26.140 ppbv
RT: 3.84
Instrument : MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 12 Oct 2021 20:34

Tot Ion:
Ion Ratio
43 100
58 31.

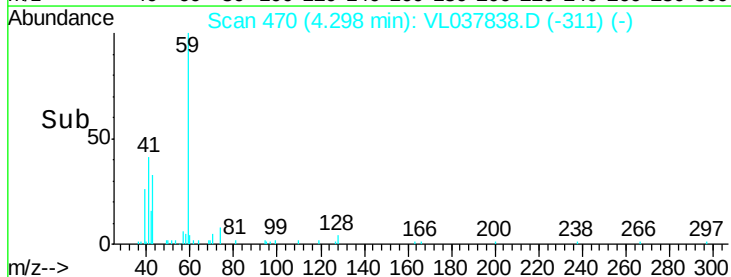
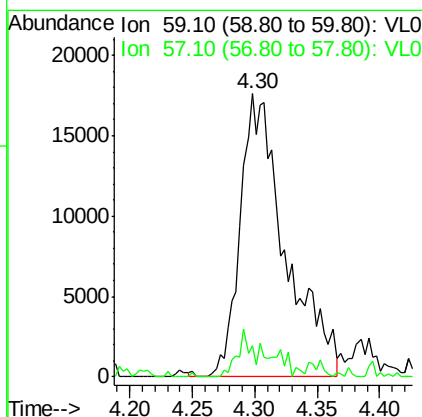
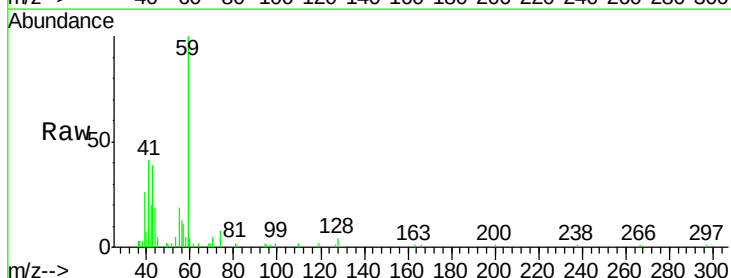
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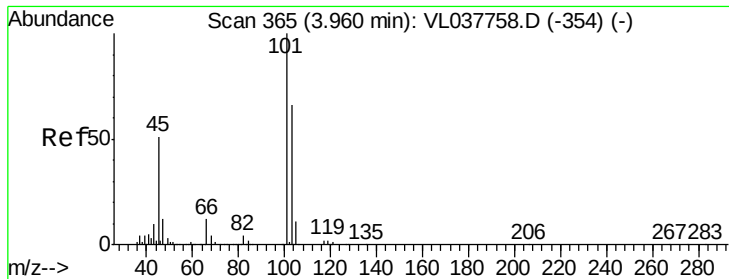
Reviewed By :Semsettin Yesilyurt 10/14/2021
Supervised By :Mahesh Dadoda 10/15/2021



#17
tert-Butyl alcohol
Concen: 0.389 ppbv m
RT: 4.30 min Scan# 470
Delta R.T. 0.01 min
Lab File: VL037838.D
Acq: 12 Oct 2021 20:34

Tgt Ion: 59 Resp: 44013
Ion Ratio Lower Upper
59 100
57 10.3 8.6 13.0





#19

Isopropyl Alcohol

Concen: 0.694 ppbv m

RT: 3.97 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 12 Oct 2021 20:34

Tot Ion:

Ion Ratio

45 100

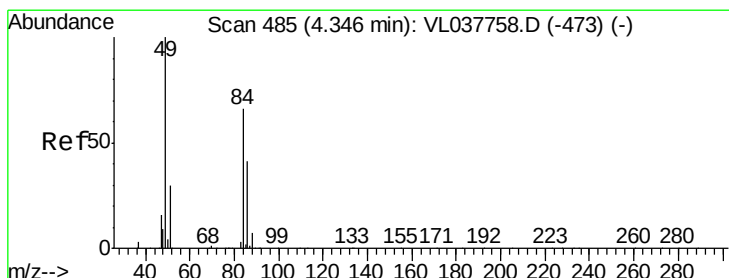
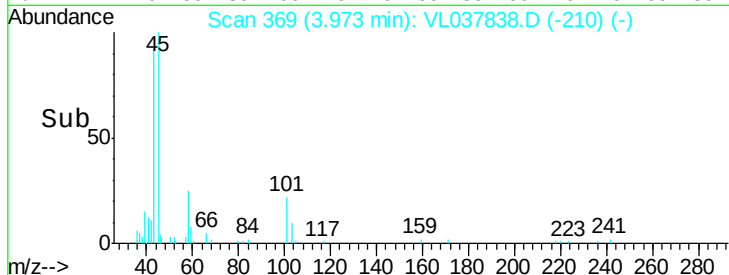
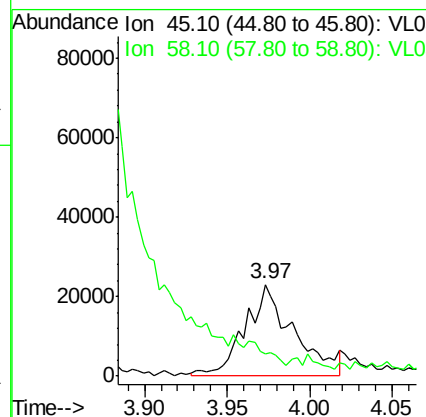
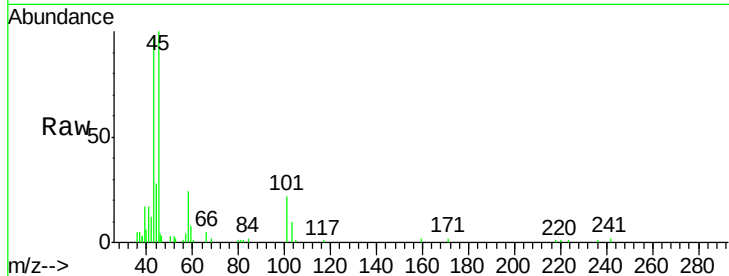
58 0.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 10/14/2021

Supervised By :Mahesh Dadoda 10/15/2021



#20

Methylene Chloride

Concen: 5.223 ppbv

RT: 4.34 min Scan# 484

Delta R.T. -0.00 min

Lab File: VL037838.D

Acq: 12 Oct 2021 20:34

Tgt Ion: 84 Resp: 290116

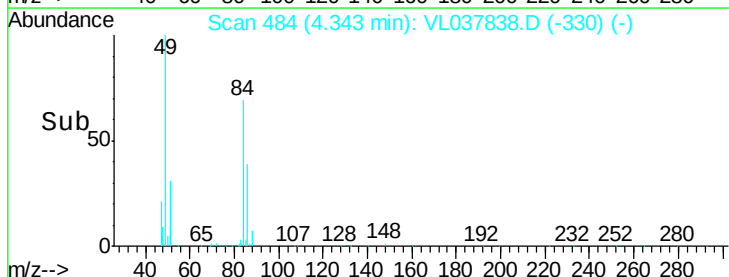
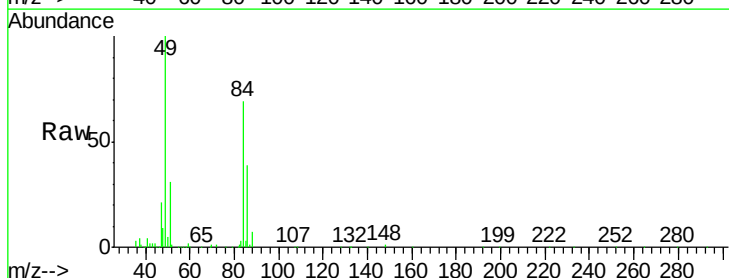
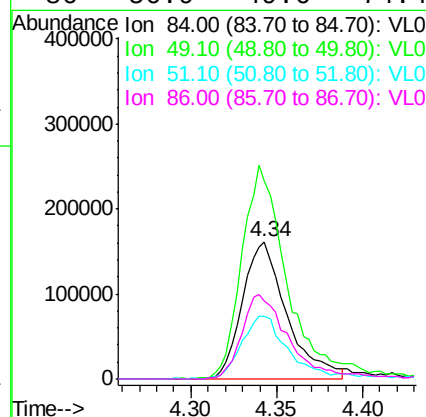
Ion Ratio Lower Upper

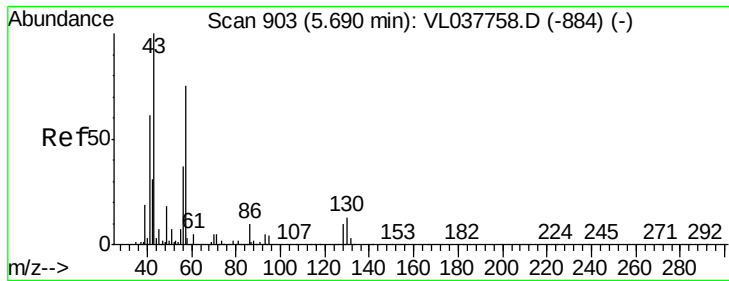
84 100

49 144.8 120.7 181.1

51 44.7 36.2 54.4

86 56.9 49.6 74.4



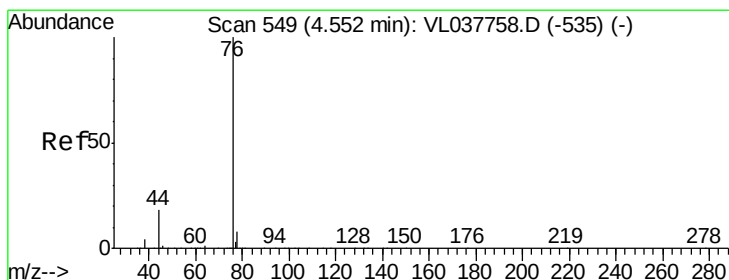
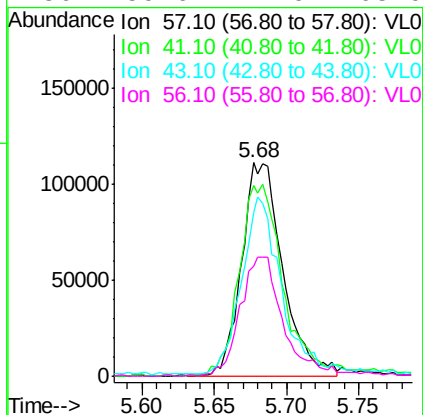
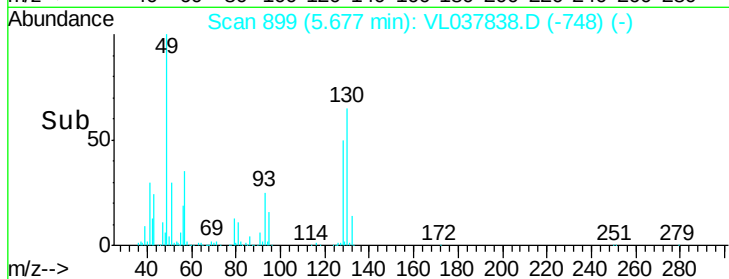
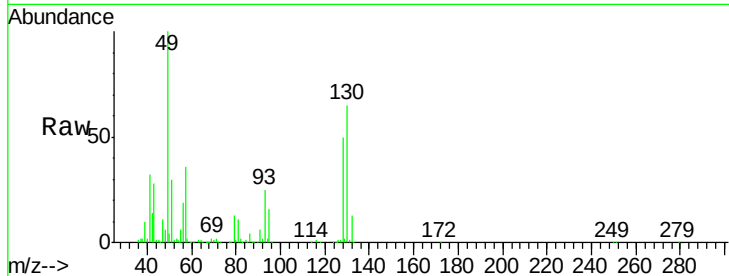


#26
Hexane
Concen: 1.458 ppbv m
RT: 5.68
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 12 Oct 2021 20:34

Tot Ion:
Ion Ratio
57 100
41 98.
43 82.
56 59.6 42.0 63.0

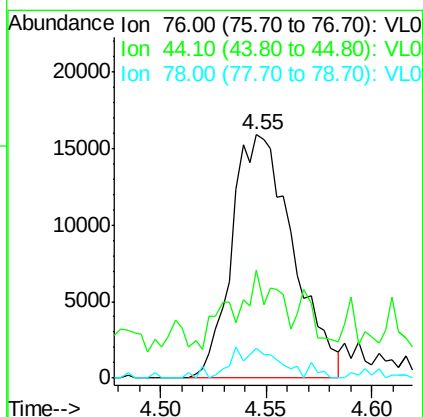
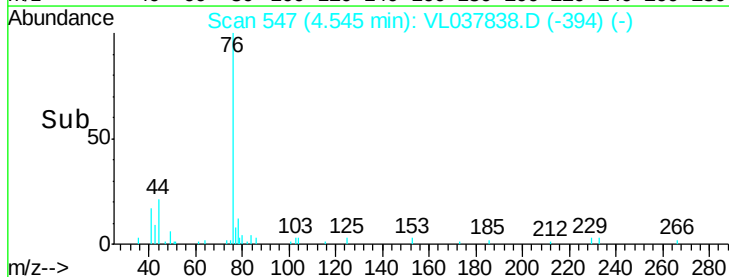
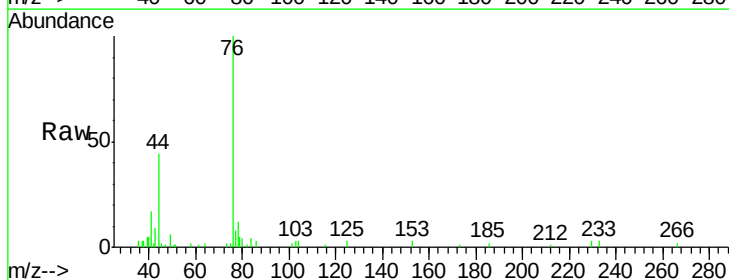
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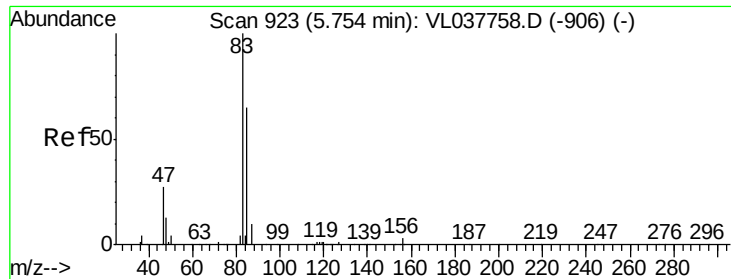
Reviewed By :Semsettin Yesilyurt 10/14/2021
Supervised By :Mahesh Dadoda 10/15/2021



#27
Carbon Disulfide
Concen: 0.237 ppbv
RT: 4.55 min Scan# 547
Delta R.T. -0.01 min
Lab File: VL037838.D
Acq: 12 Oct 2021 20:34

Tgt Ion: 76 Resp: 31946
Ion Ratio Lower Upper
76 100
44 39.2 14.3 21.5#
78 10.7 7.8 11.6



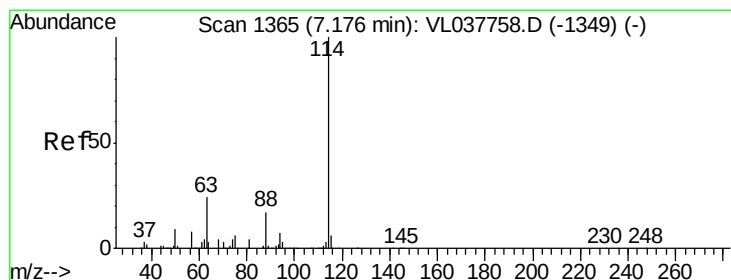
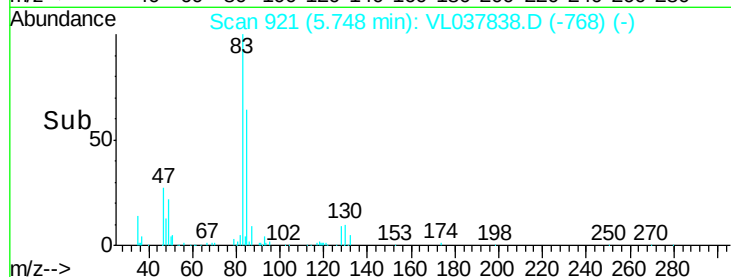
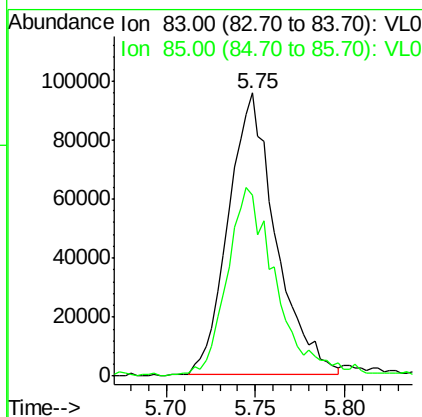
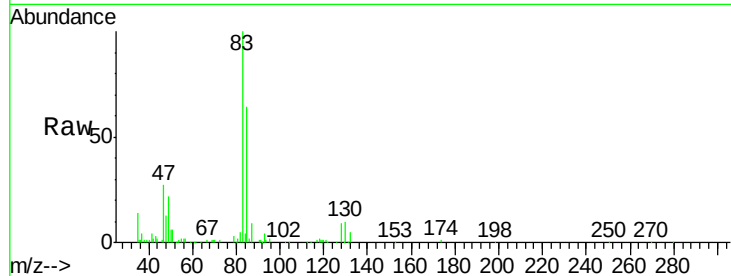


#29
Chloroform
Concen: 0.815 ppbv
RT: 5.75
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 12 Oct 2021 20:34

Tot Ion:
Ion Ratio
83 100
85 63.

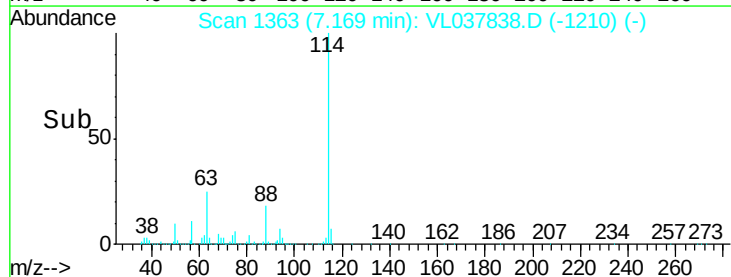
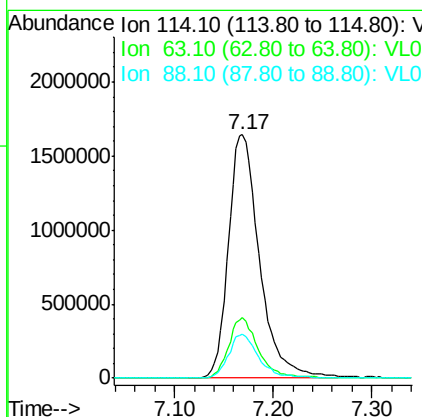
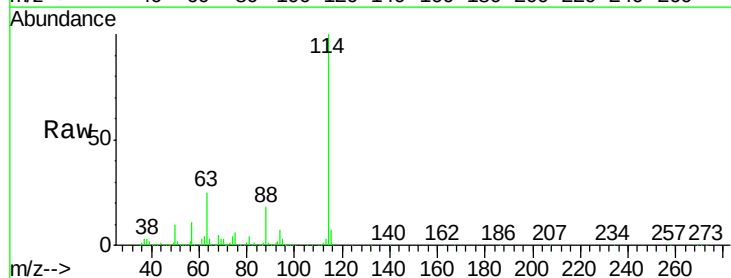
Manual Integrations
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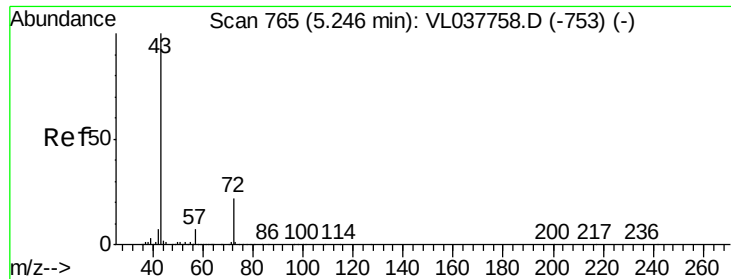
Reviewed By :Semsettin Yesilyurt 10/14/2021
Supervised By :Mahesh Dadoda 10/15/2021



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.17 min Scan# 1363
Delta R.T. -0.01 min
Lab File: VL037838.D
Acq: 12 Oct 2021 20:34

Tgt Ion:114 Resp: 3619876
Ion Ratio Lower Upper
114 100
63 23.9 19.4 29.2
88 17.7 14.4 21.6



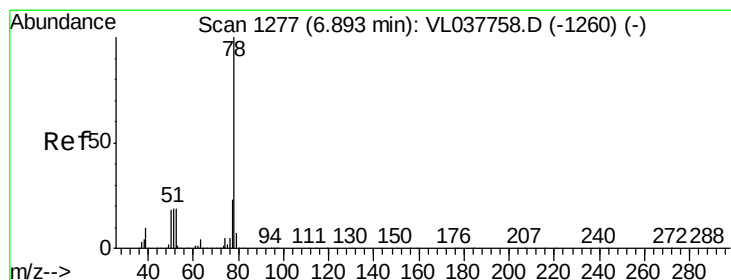
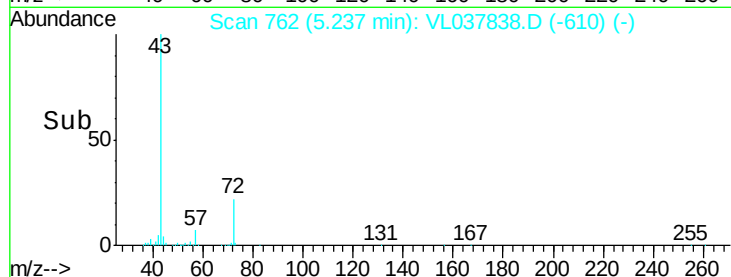
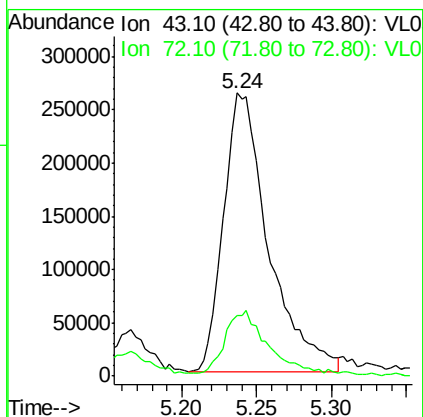
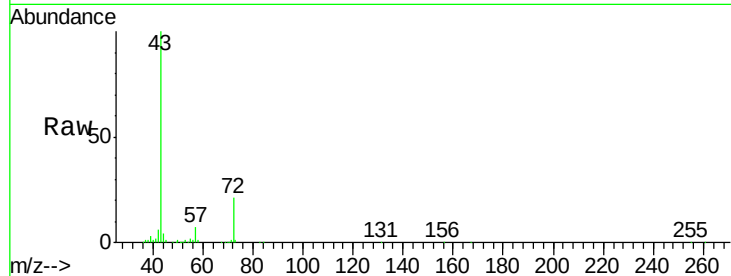


#34
2-Butanone
Concen: 3.756 ppbv
RT: 5.24
Delta R.T.: MSVOA_L
Lab File: ClientSampleId :
Acq: 12 Oct 2021 20:34

Tot Ion:
Ion Ratio
43 100
72 24.

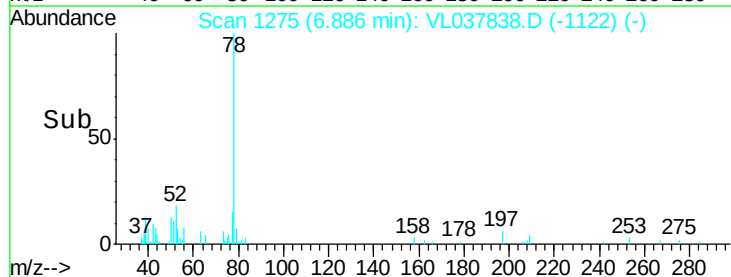
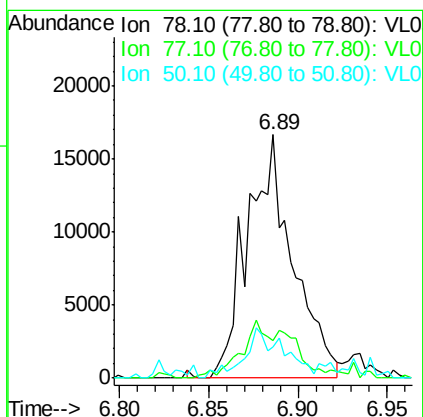
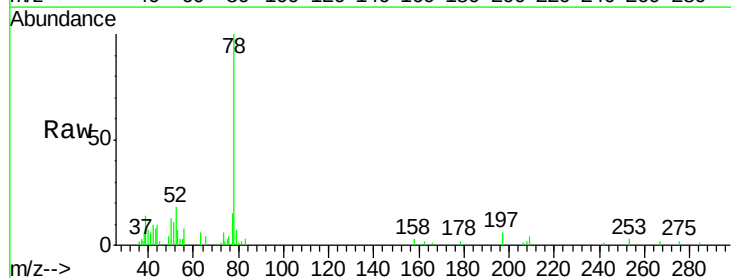
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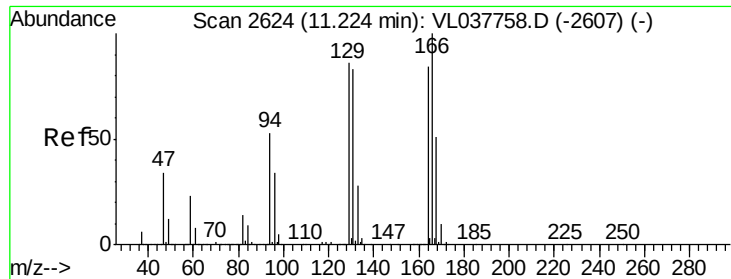
Reviewed By :Semsettin Yesilyurt 10/14/2021
Supervised By :Mahesh Dadoda 10/15/2021



#36
Benzene
Concen: 0.095 ppbv m
RT: 6.89 min Scan# 1275
Delta R.T. -0.01 min
Lab File: VL037838.D
Acq: 12 Oct 2021 20:34

Tgt Ion: 78 Resp: 29445
Ion Ratio Lower Upper
78 100
77 15.3 18.8 28.2#
50 13.0 14.7 22.1#





#52

Tetrachloroethene

Concen: 1.453 ppbv

RT: 11.21

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 12 Oct 2021 20:34

COP20

Tot Ion:1

Ion Rati

164 100

166 111.

129 97.

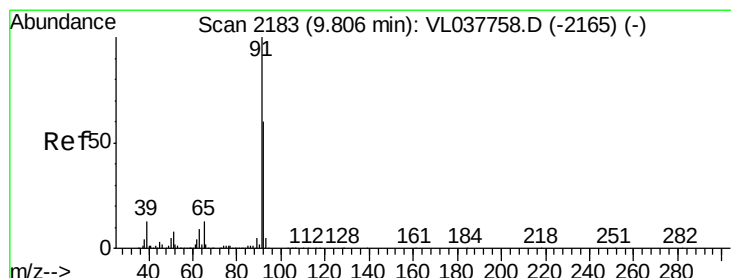
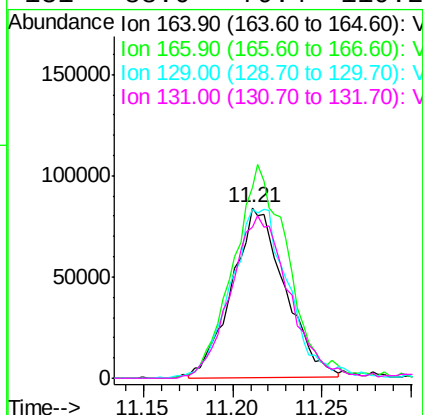
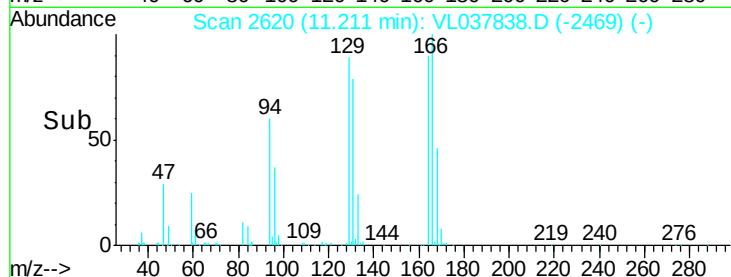
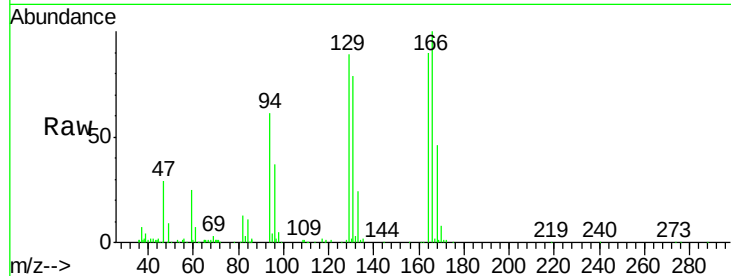
131 88.0

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Reviewed By :Semsettin Yesilyurt 10/14/2021

Supervised By :Mahesh Dadoda 10/15/2021



#53

Toluene

Concen: 0.161 ppbv

RT: 9.80 min Scan# 2180

Delta R.T. -0.01 min

Lab File: VL037838.D

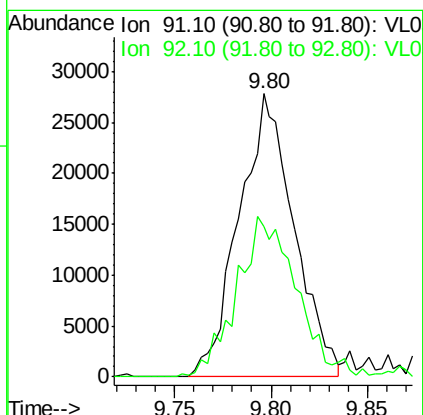
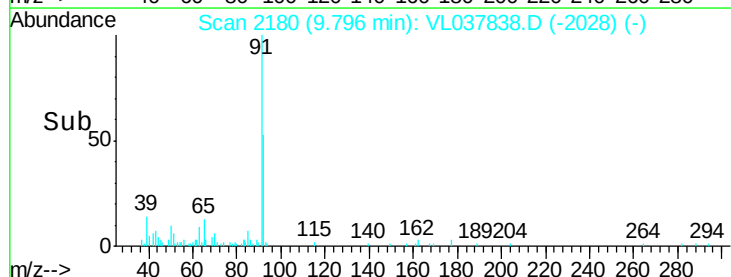
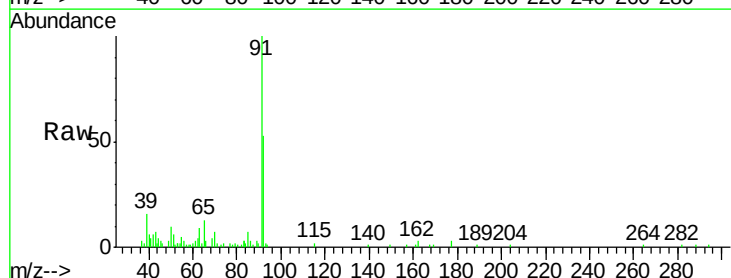
Acq: 12 Oct 2021 20:34

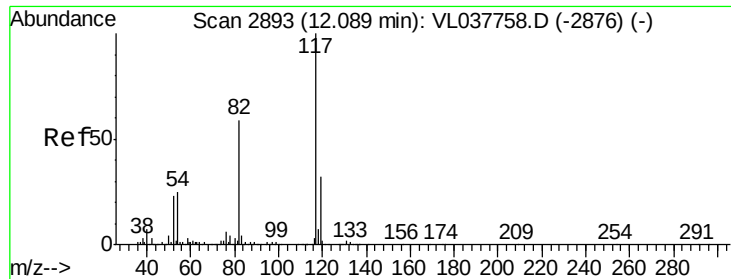
Tgt Ion: 91 Resp: 55008

Ion Ratio Lower Upper

91 100

92 61.9 48.4 72.6





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.08

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 12 Oct 2021 20:34

Tot Ion:1

Ion Rati

117 100

82 65.

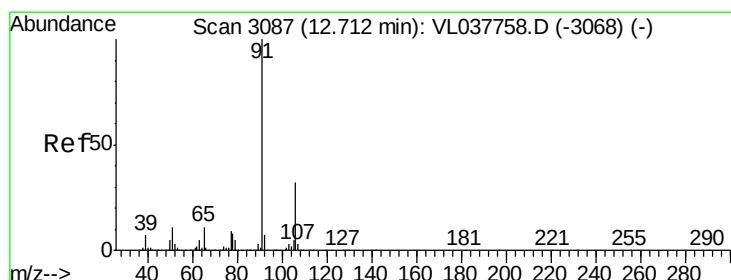
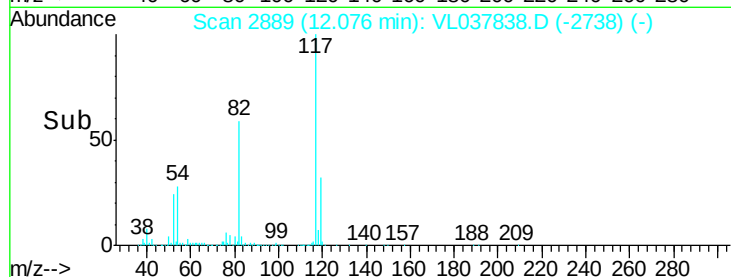
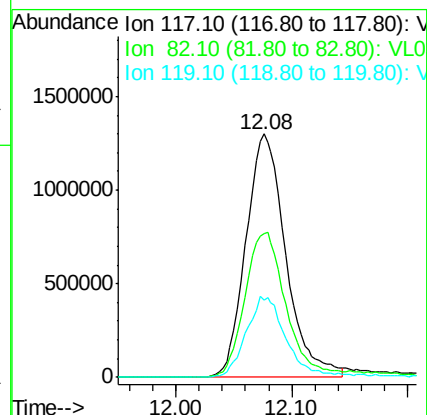
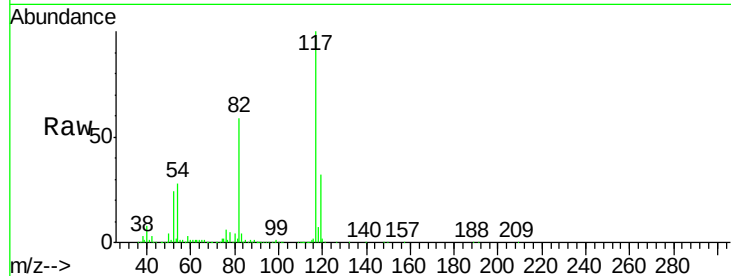
119 34.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/14/2021

Supervised By :Mahesh Dadoda 10/15/2021



#58

Ethyl Benzene

Concen: 0.228 ppbv

RT: 12.70 min Scan# 3082

Delta R.T. -0.02 min

Lab File: VL037838.D

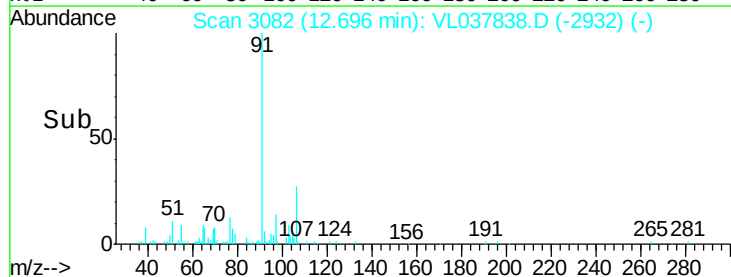
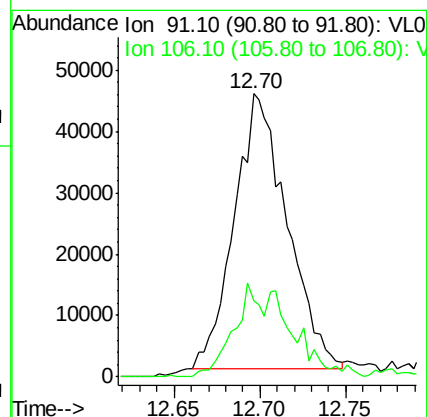
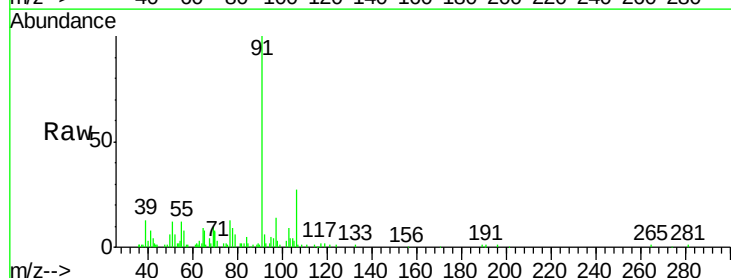
Acq: 12 Oct 2021 20:34

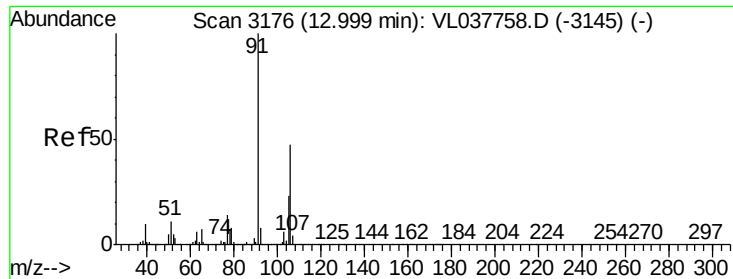
Tgt Ion: 91 Resp: 95436

Ion Ratio Lower Upper

91 100

106 27.6 25.3 37.9



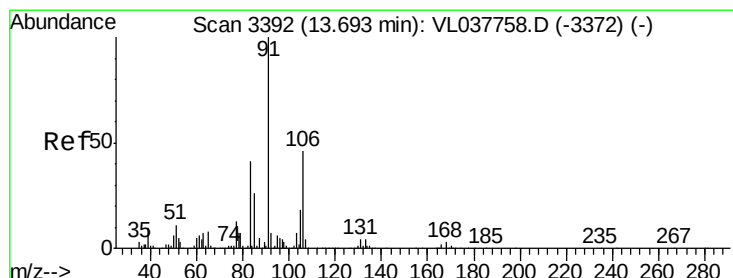
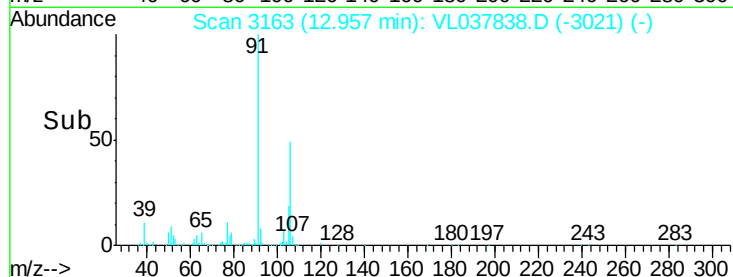
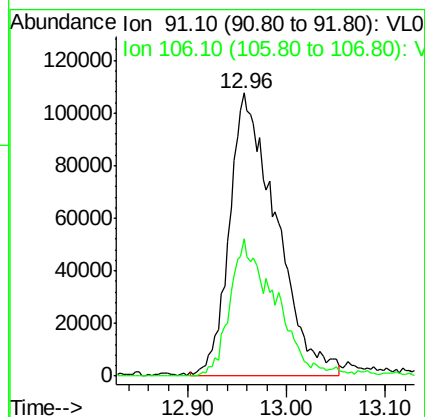
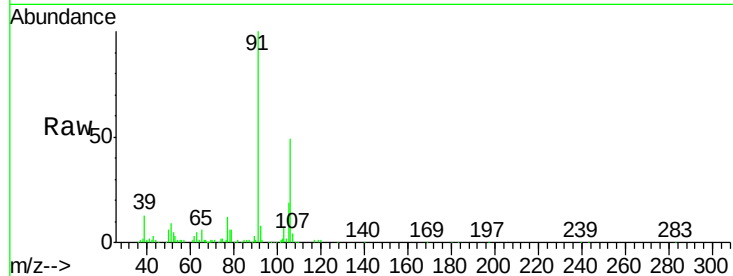


#59
m/p-Xylene
Concen: 0.985 ppbv m
RT: 12.96
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 12 Oct 2021 20:34

Tot Ion:
Ion Ratio
91 100
106 0.

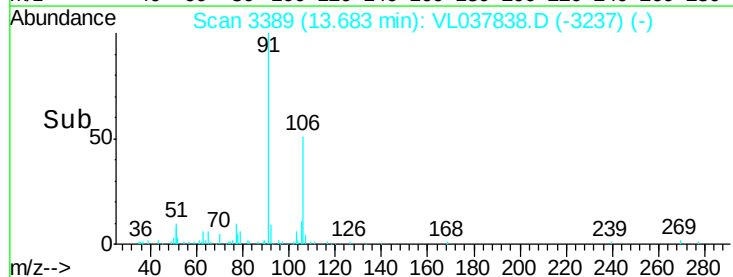
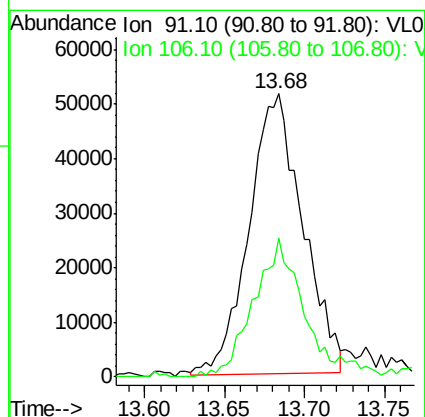
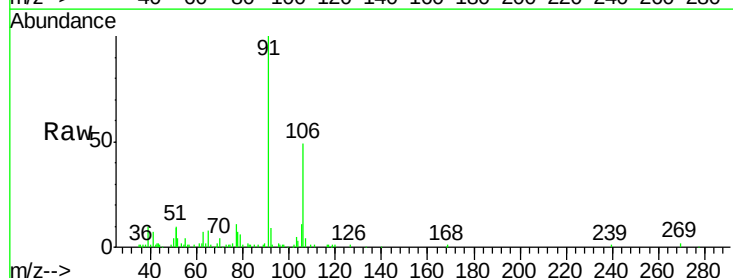
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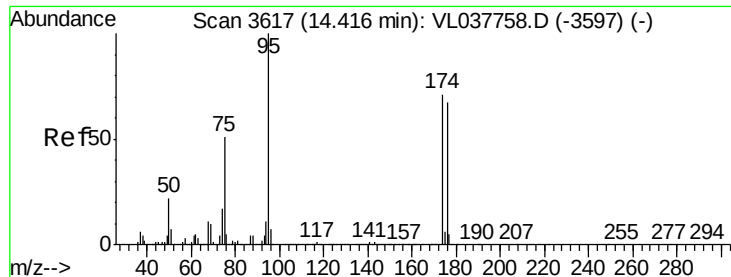
Reviewed By :Semsettin Yesilyurt 10/14/2021
Supervised By :Mahesh Dadoda 10/15/2021



#60
o-Xylene
Concen: 0.347 ppbv
RT: 13.68 min Scan# 3389
Delta R.T. -0.01 min
Lab File: VL037838.D
Acq: 12 Oct 2021 20:34

Tgt Ion: 91 Resp: 119414
Ion Ratio Lower Upper
91 100
106 46.9 23.5 70.5





#68

1-Bromo-4-Fluorobenzene

Concen: 10.336 ppbv

RT: 14.40

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 12 Oct 2021 20:34

Tot Ion:

Ion Ratio

95 100

174 74.

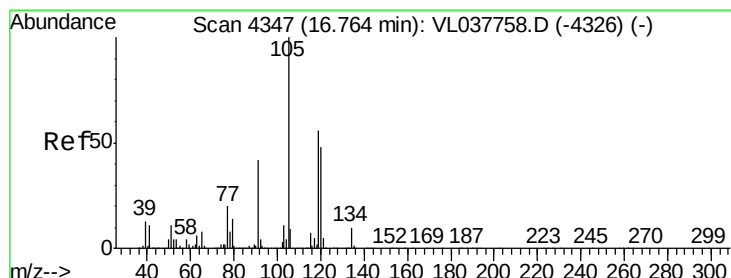
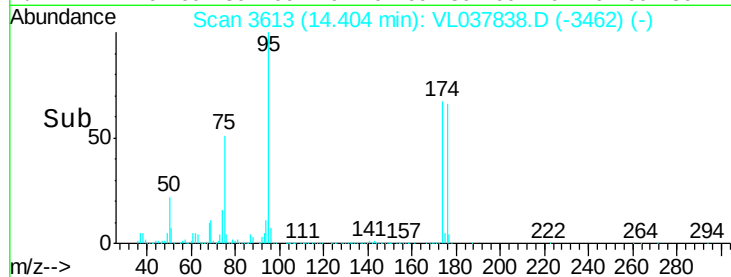
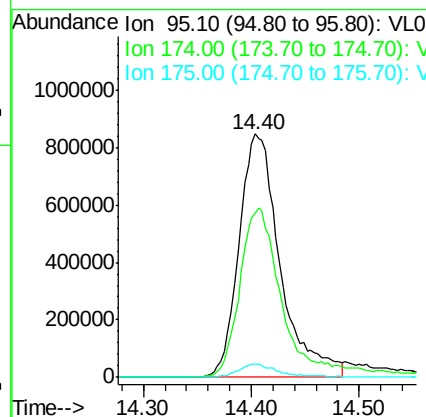
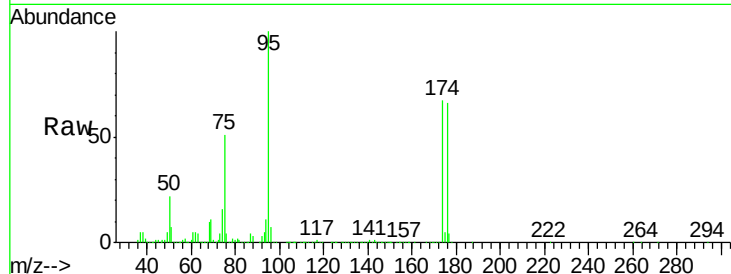
175 5.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 10/14/2021

Supervised By :Mahesh Dadoda 10/15/2021



#74

1,2,4-Trimethylbenzene

Concen: 0.166 ppbv m

RT: 16.75 min Scan# 4343

Delta R.T. -0.01 min

Lab File: VL037838.D

Acq: 12 Oct 2021 20:34

Tgt Ion:105 Resp: 61748

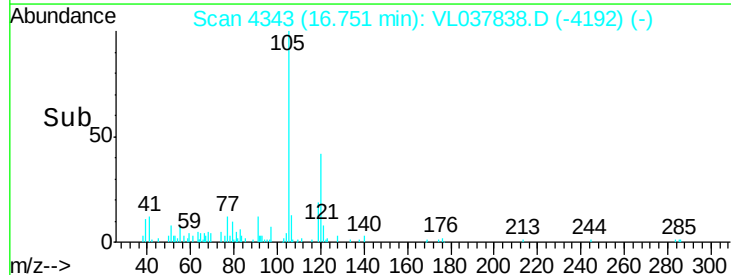
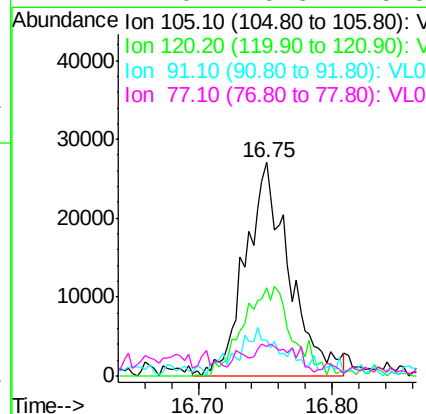
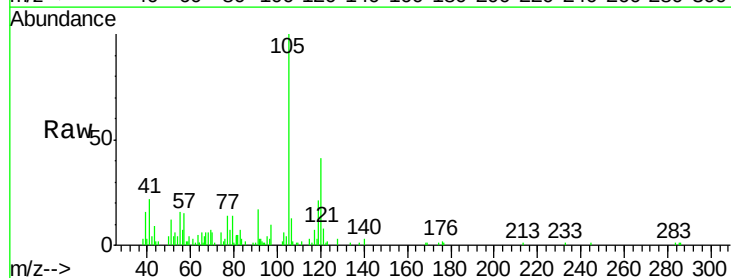
Ion Ratio Lower Upper

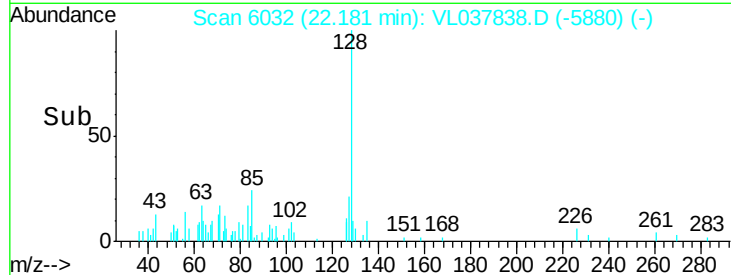
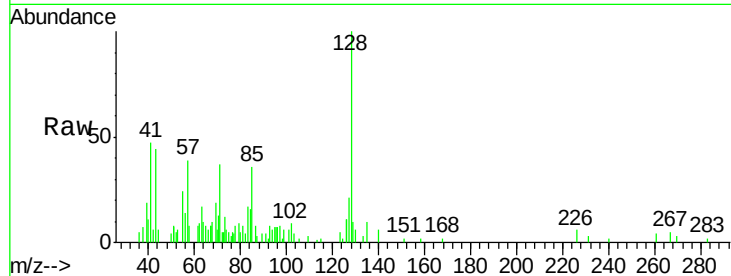
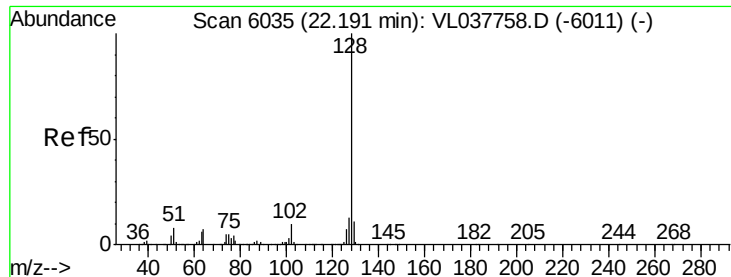
105 100

120 41.1 38.4 57.6

91 16.5 34.2 51.2#

77 14.0 15.8 23.8#





#79

Naphthalene

Concen: 0.134 ppbv m

RT: 22.18

Delta R.T

Lab File:

Acq: 12 Oct 2021 20:34

Instrument :

MSVOA_L

ClientSampleId :

COP20

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 10/14/2021

Supervised By :Mahesh Dadoda 10/15/2021

Tot Ion:1

Ion Rati

128 100

127 21.

129 9.

