

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL030222\
 Data File : VL038480.D
 Acq On : 2 Mar 2022 13:50
 Operator : SY/AP
 Sample : N1723-02DL2 40X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 FSG3DL2

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 03/03/2022
 Supervised By : Mahesh Dadoda 03/07/2022

Quant Time: Mar 05 16:14:49 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL022222A
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
 QLast Update : Tue Feb 22 19:45:51 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	924765	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.18	114	2057025	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.09	117	1850262	10.00	ppbv	0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	1521762	9.94	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.40%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.02	41	25193	0.467	ppbv	88
15) Acetone	3.86	43	362245	4.606	ppbv	98
53) Toluene	9.80	91	21516m	0.109	ppbv	
62) Isopropylbenzene	14.66	105	44412	0.161	ppbv	99

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

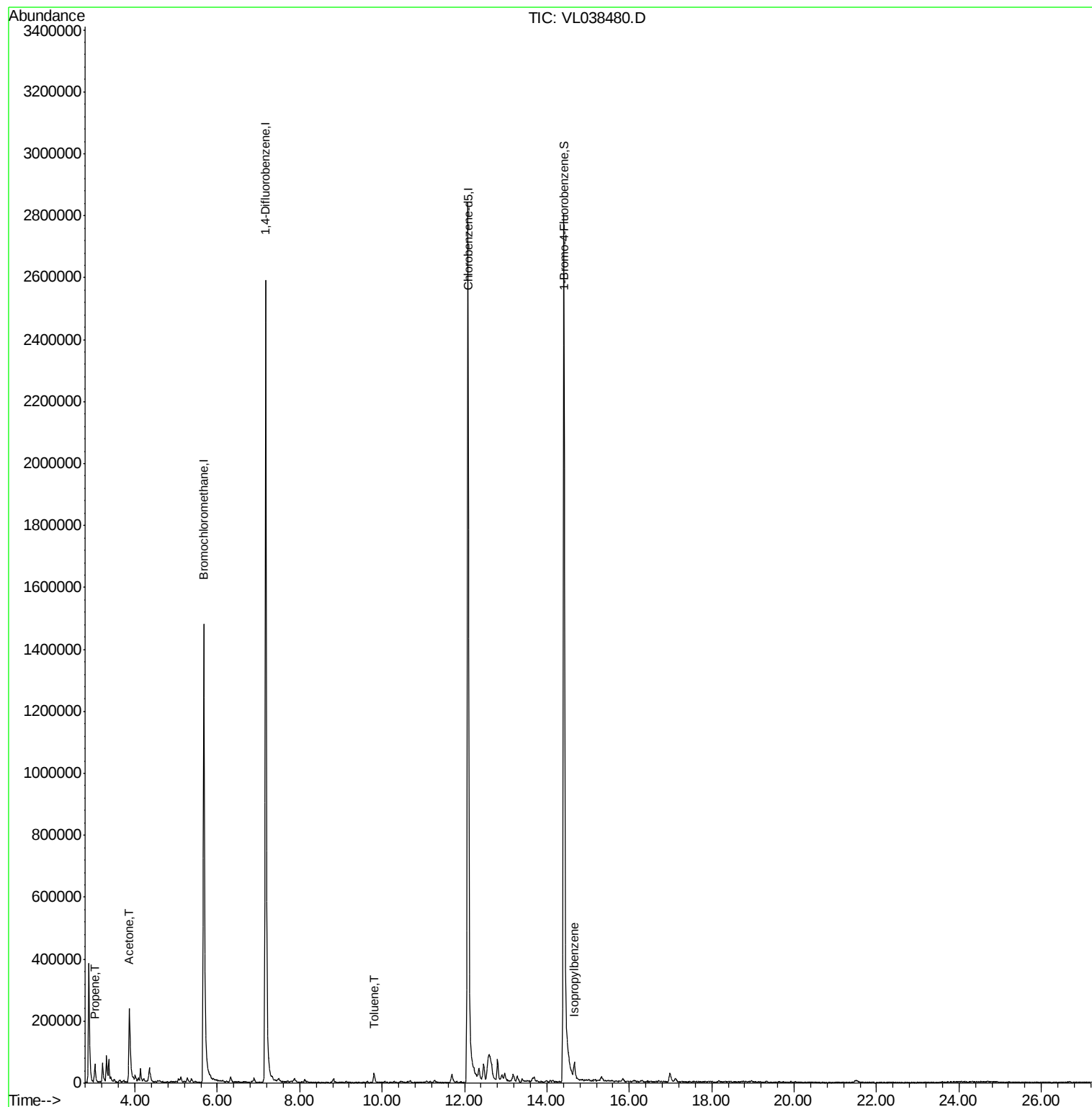
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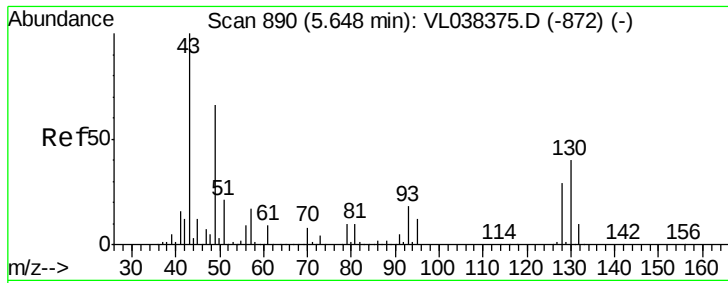
Instrument :
MSVOA_L
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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 2 Mar 2022 13:50 FSG3DL2

Tot Ion:

Ion Ratio

49 100

128 44.

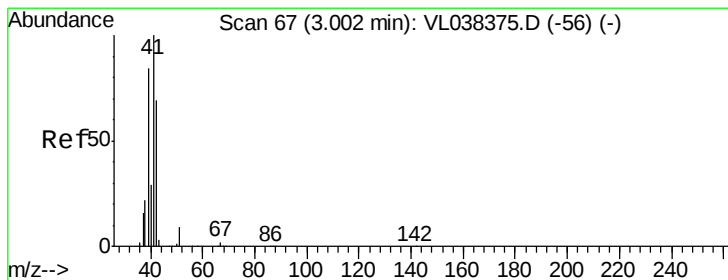
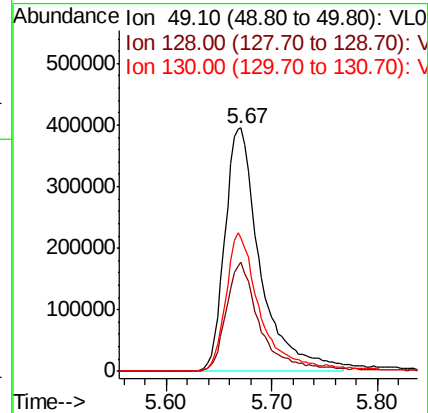
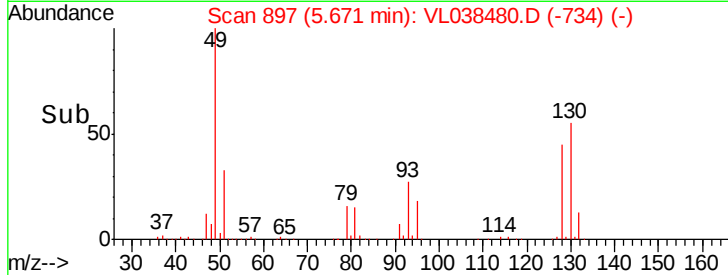
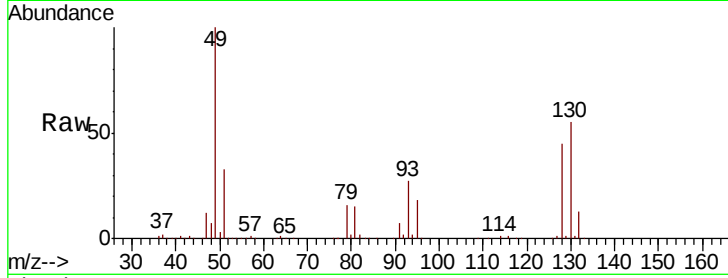
130 56.

Manual Integrations

APPROVED

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Supervised By :Mahesh Dadoda 03/07/2022



#9

Propene

Concen: 0.467 ppbv

RT: 3.02 min Scan# 73

Delta R.T. 0.02 min

Lab File: VL038480.D

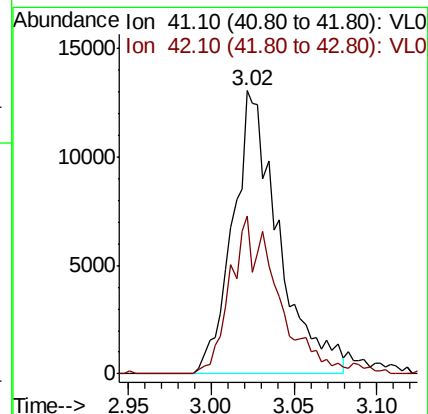
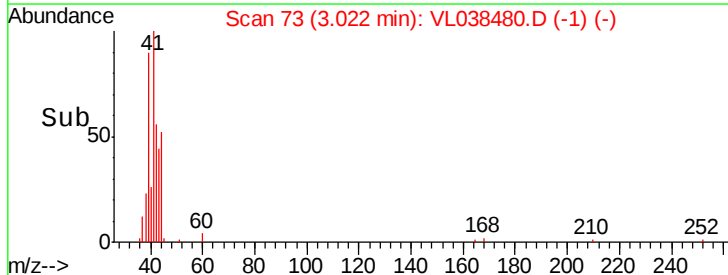
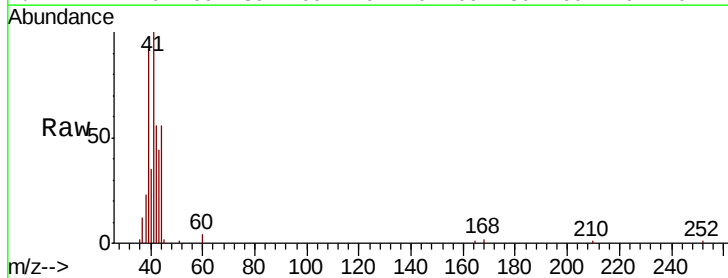
Acq: 2 Mar 2022 13:50

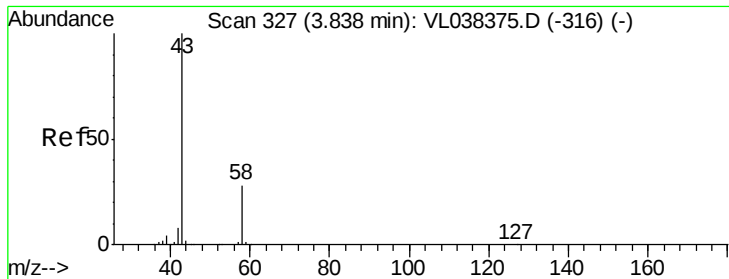
Tgt Ion: 41 Resp: 25193

Ion Ratio Lower Upper

41 100

42 58.3 54.6 82.0





#15

Acetone

Concen: 4.606 ppbv

RT: 3.86

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 2 Mar 2022 13:50

Tot Ion:

Ion Ratio

43 100

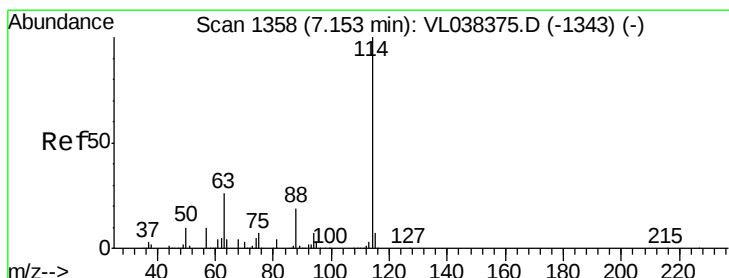
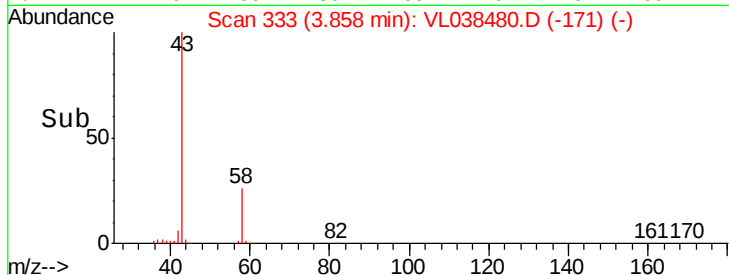
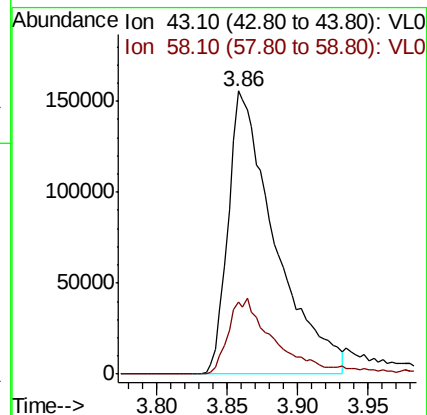
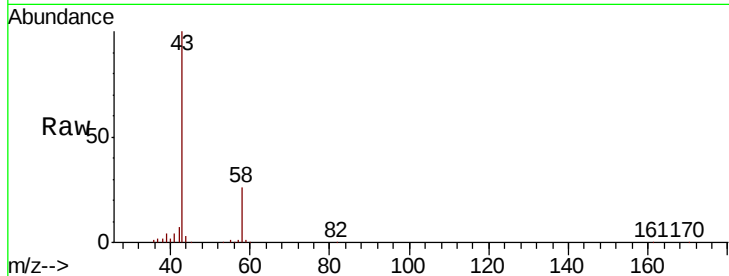
58 28.

Manual Integrations

APPROVED

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#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.18 min Scan# 1365

Delta R.T. 0.02 min

Lab File: VL038480.D

Acq: 2 Mar 2022 13:50

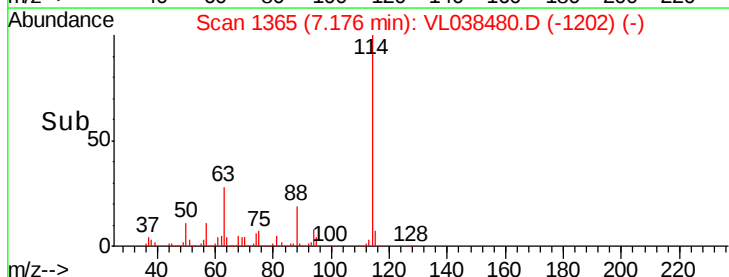
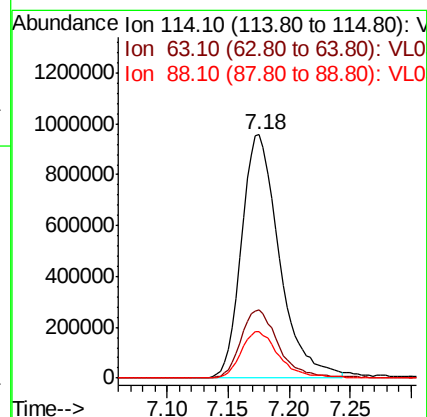
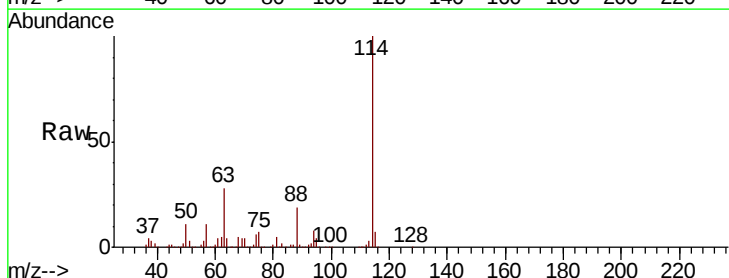
Tgt Ion:114 Resp: 2057025

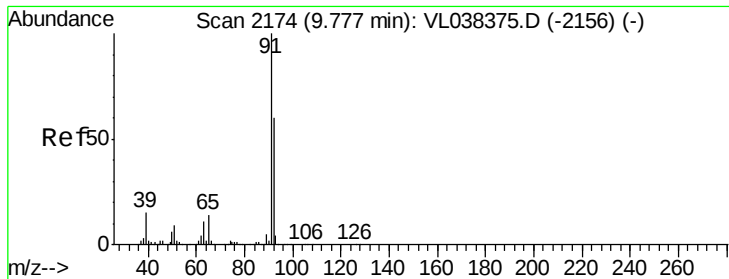
Ion Ratio Lower Upper

114 100

63 28.8 22.2 33.2

88 19.4 15.2 22.8





#53

Toluene

Concen: 0.109 ppbv m

RT: 9.80 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 2 Mar 2022 13:50 FSG3DL2

Tot Ion:

Ion Ratio

91 100

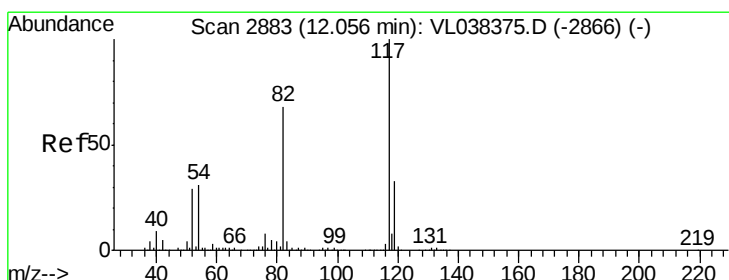
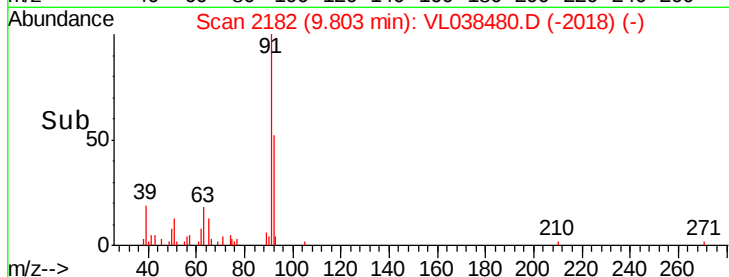
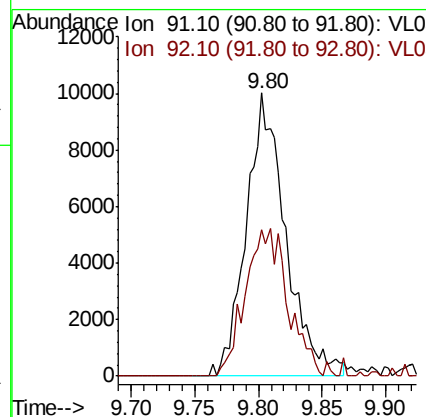
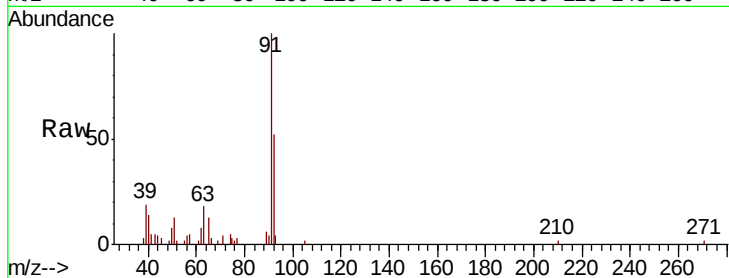
92 56.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 03/03/2022

Supervised By :Mahesh Dadoda 03/07/2022



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.09 min Scan# 2892

Delta R.T. 0.03 min

Lab File: VL038480.D

Acq: 2 Mar 2022 13:50

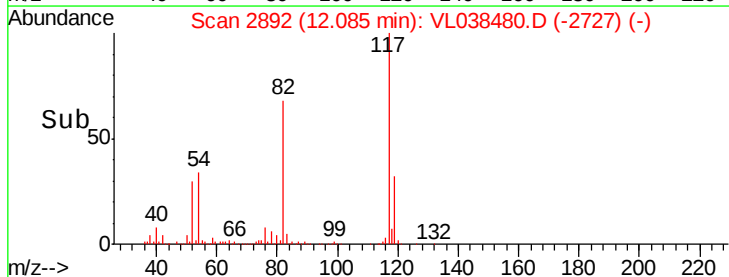
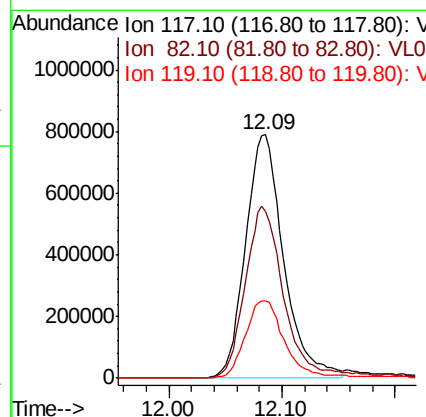
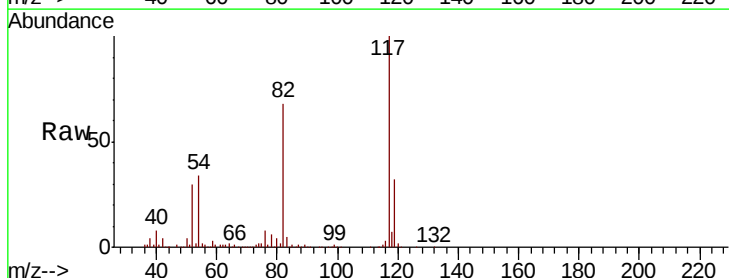
Tgt Ion:117 Resp: 1850262

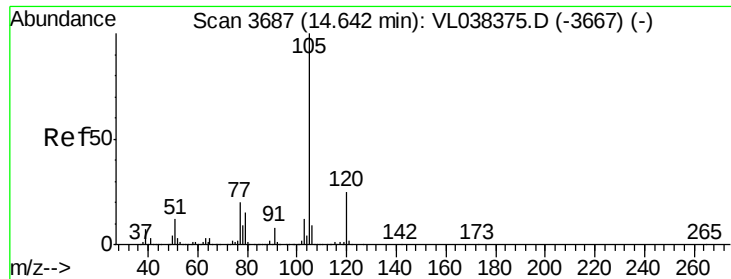
Ion Ratio Lower Upper

117 100

82 74.5 54.9 82.3

119 33.9 46.1 69.1#





#62

Isopropylbenzene

Concen: 0.161 ppbv

RT: 14.66

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 2 Mar 2022 13:50

Tot Ion:1

Ion Ratio

105 100

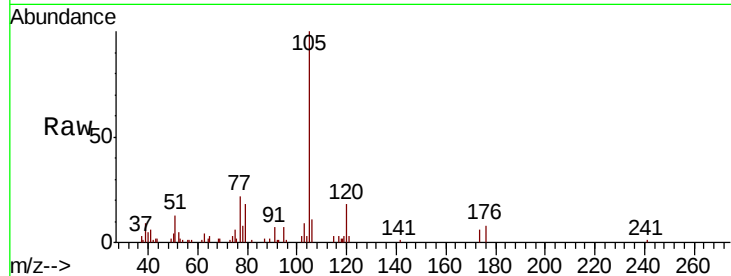
120 26.

Manual Integrations

APPROVED

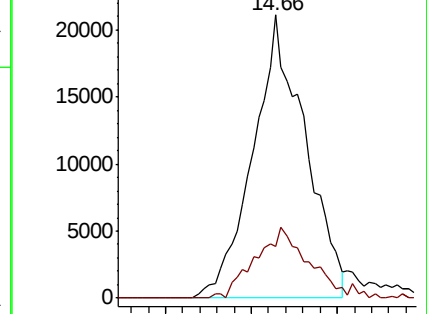
Reviewed By :Semsettin Yesilyurt 03/03/2022

Supervised By :Mahesh Dadoda 03/07/2022

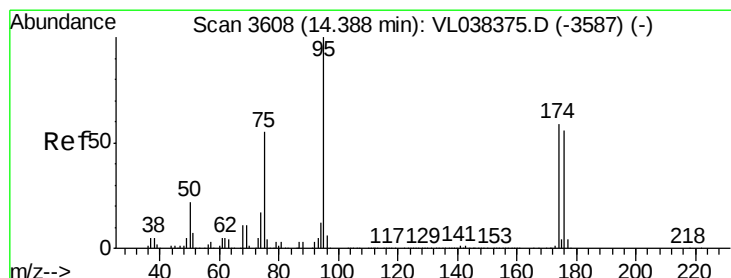
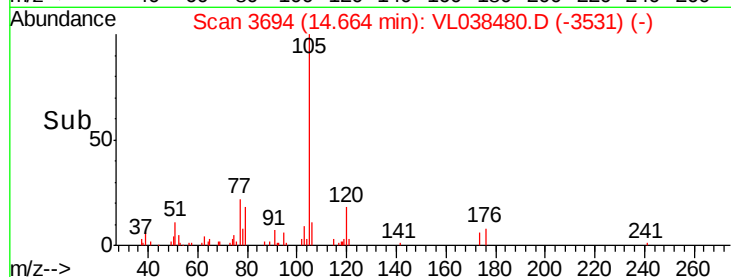


Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



Time-->



#68

1-Bromo-4-Fluorobenzene

Concen: 9.940 ppbv

RT: 14.41 min Scan# 3615

Delta R.T. 0.02 min

Lab File: VL038480.D

Acq: 2 Mar 2022 13:50

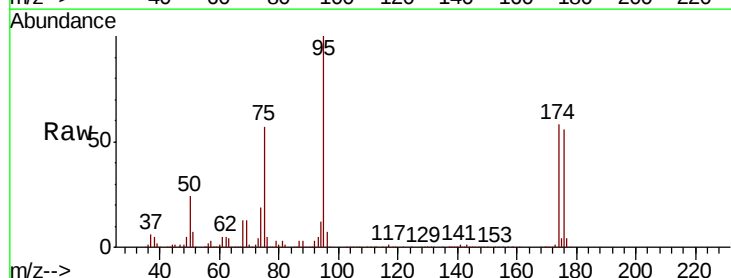
Tgt Ion: 95 Resp: 1521762

Ion Ratio Lower Upper

95 100

174 61.9 49.0 73.4

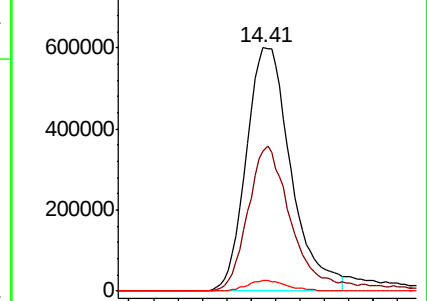
175 4.2 3.6 5.4



Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V



Time-->

